

**THE FEDERAL DEMOCRATIC REPUBLIC OF ETHIOPIA
CENTRAL STATISTICAL AGENCY**

***AGRICULTURAL SAMPLE SURVEY
2011 / 2112 (2004 E.C.)***

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VOLUME III

REPORT ON

FARM MANAGEMENT PRACTICES

(PRIVATE PEASANT HOLDINGS, MEHER SEASON)

**ADDIS ABABA
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PART I

INTRODUCTION AND OBJECTIVES OF THE SURVEY

1.1. INTRODUCTION

Improving agricultural productivity is the key for agricultural development in Ethiopia. Hence, it is widely believed that productivity growth is the most sustainable mechanism to increase agricultural production. Crop yields as measured by the amount of output per hectare have been increased in many crop producing areas of the country in the recent production years. This increase in crop production has been a result of factors including the use of improved technologies and better farm management activities. As stated in different literature related to agricultural crop production various farm practices including application of recommended new agricultural technologies such as improved seed and fertilizer, soil conservation practices, effective control of weeds, pests and disease...etc increase agricultural production and productivity.

One of the missions of the Central Statistical Agency (CSA) is to survey developments in agriculture and produce information about the changes taking place in it to data users to indicate whether the much desired increase in agricultural productivity has materialized. Thus, to shed a ray of statistical information on agricultural productivity, the agency has been providing statistics on the extent of inputs applied area and volume of fertilizers and improved seeds used. As part of the 2011/12 (2004 E.C) Agricultural Sample Survey, data on fertilizer, improved seed, irrigation and pesticide applied area and volume of fertilizers and improved seeds used within the private peasant holdings was collected, processed and summarized.

The survey results are presented in this bulletin and other electronic media for data users. The report comprises three parts. Part I contains the objectives of this annual survey, Part II deals with coverage of the survey, sample design, field organization and method of data collection and Part III includes summary of the results. Estimation procedures and formulation of estimates of totals and variance are presented in Appendix I. Estimates of the standard errors

with the corresponding coefficients of variations for quantity of inputs used and inputs applied area are presented in Appendix II.

1.2. OBJECTIVES OF THE SURVEY.

The general objective of CSA's Agricultural Sample Survey (AgSS) is to collect basic quantitative information on the country's agriculture that is essential for planning, policy formulation, food security, etc. The AgSS is composed of four components: Crop Production Forecast Survey, Meher Season Survey of which Farm Management Practice is a part, Livestock Survey and Belg Season Survey.

The specific objectives of Meher Season Survey (Farm Management Practice) are to estimate the total volume of inputs used, inputs applied area and number of holders using inputs. Companion reports are published separately with estimates of area and production of crops and land use area. This report on Farm Management Practice is based on the private peasant holdings in sedentary rural areas of the country. The data is disaggregated at regional and zonal levels.

PART II

SURVEY METHODOLOGY, DATA COLLECTION AND PROCESSING

2.1. SCOPE AND COVERAGE OF THE SURVEY

The range of data items that the 2011/12 (2004 E.C.) Annual Agricultural Sample Survey (Meher Season) dealt with includes all cereals, pulses and oilseeds and the most commonly grown vegetables, root crops and permanent (perennial) crops. Holders growing at least one or more of these and/or other crops are enumerated and data on crop area and yield condition recorded, hence data on production of these crops acquired. The 2011/12 (2004 E.C.) Annual Agricultural Sample Survey (Meher season) covered the entire rural parts of the country except the non-sedentary population of three zones of Afar & six zones of Somali regions.

To be covered by the survey, a total of 2,290 Enumeration Areas (EAs) were selected. However, due to various reasons that are beyond control, in 17 EAs the survey could not be successful and hence interrupted. Thus, all in all the survey succeeded to cover 2273 EAs (99.3%) throughout the regions. The Annual Agricultural Sample survey (Meher season) was conducted on the basis of 20 agricultural households selected from each EA. Regarding the ultimate sampling units, it was intended to cover a total of 47,080 agricultural households, however, 45,575 (98.9%) were actually covered by the survey.

2.2. SAMPLING FRAME

The list containing EAs of all regions and their respective households obtained from the 1999 E.C cartographic census frame was used as the sampling frame in order to select the primary sampling units (EAs). Consequently, all sample EAs were selected from this frame based on the design proposed for the survey. The second stage sampling units, households, were selected from a fresh list of households that were prepared for each EA at the beginning of the survey.

2.3 SAMPLE DESIGN

In order to select the sample a stratified two-stage cluster sample design was implemented. Enumeration areas (EAs) were taken to be the primary sampling units (PSUs) and the secondary sampling units (SSUs) were agricultural households. The sample size for the 2011/12 agricultural sample survey was determined by taking into account of both the required level of precision for the most important estimates within each domain and the amount of resources allocated to the survey. In order to reduce non-sampling errors, manageability of the survey in terms of quality and operational control was also considered. All regions were taken to be the domain of estimation for which major findings of the survey are reported.

2.4 SELECTION SCHEME

Enumeration areas from each stratum were selected systematically using probability proportional to size sampling technique; size being number of agricultural households. The sizes for EAs were obtained from the 2007 E.C Population and Housing census frame. From the fresh list of households prepared at the beginning of the survey 20 agricultural households within each sample EA were selected systematically.

Estimation procedure of totals, ratios, sampling error and the measurement of precision of estimates (CV) are given in Appendix-I and II respectively. Distribution of sampling units (sampled and covered EAs and households) by stratum is also presented in Appendix-III.

2.5. ORGANIZATION OF FIELD WORK

The conduct of a survey cannot be executed without the arrangement of fieldwork. In recognition of this, the organization of fieldwork has been entrusted to the Desks that liaises between the Head Office and the 24 Branch Statistical Offices spread across the regions. All

Branch Offices took part in the survey execution especially in recruiting the enumerators, organizing the 2nd stage training, assigning the field staff to their sites of enumeration, supervising the data collection and retrieving completed questionnaires and submitting them to the Head Office for data processing. The Branch Offices were also responsible for administering the financial and logistic aspects of the survey within their areas of operation. A total of 2,394 enumerators, 529 field supervisors and 66 statisticians were involved in the data collection where on the average one supervisor was assigned to five enumeration areas for supervision of data collection. All the enumerators were supplied with the necessary survey equipment after the completion of the training to ensure the smooth operation of the survey. To facilitate the data collection activities, a total of 194 four-wheel drive vehicles were used.

2.6. TRAINING OF FIELD STAFF

The execution of a survey and quality of data acquired from the survey highly depend on the type of training given to the enumerators and supervisors and the consequent understanding of the tasks to be performed and the standard procedures to be followed by the enumerators and supervisors in the survey undertaking. The quality and completeness of data are ensured when the training meets its objective of producing responsible and fervent enumerators and supervisors.

In light of this point, the training was given to the field staff in two stages. The first stage training, which took place at the Hawassa and lasted 7 days targeted staff from the Head Office, statisticians and senior field supervisors from Branch Statistical Offices. The staff that took part in the first stage training was then assigned to conduct similar training for the enumerators and other supervisors for 15 days in all the twenty- five Branch Statistical Offices distributed across the country.

In the training the field staffs was given detailed classroom instruction on how to collect data, method of area measurement, interviewing procedures, etc. The training also included field practice to reinforce the understanding of concepts, definitions and theories discussed in the classroom with regard to field measurement, crop cutting, GPS reading and interviewing methods.

2.7. METHOD OF DATA COLLECTION

The agricultural data for the year 2011/12 (2004 E.C.) was collected from sedentary rural peasant households by interviewing the selected agricultural holders and physically measuring their fields to obtain data on crop yields and other items of interest. The data obtained were recorded in various forms designed for this purpose. Instruments like measuring tape; compass, kitchen balance, scientific calculators, GPS and others were used during data collection for a timely and smooth acquisition of accurate data. The procedures for measuring area under crop and area of non-crop fields operated by the holders were performed for the 20 selected households from each sampled E.A. using measuring tapes and compasses as well as GPS.

2.8. DATA PROCESSING

a) Editing, Coding and Verification

Statistical data editing plays an important role in ensuring the quality of the collected survey data. It minimizes the effects of errors introduced while collecting data in the field, hence the need for data editing, coding and verification. Although coding and editing are done by the enumerators and supervisors in the field, respectively, verification of this task is done at the Head Office. An editing, coding and verification instruction manual was prepared and reproduced for this purpose. Then 66 editors-coders and verifiers were trained for two days in editing, coding and verification using the aforementioned manual as a reference and teaching aid. The completed questionnaires were edited, coded and later verified on a 100% basis before the questionnaires were passed over to the data entry unit. The editing, coding and verification exercise of all questionnaires took 18 days.

b) Data Entry, Cleaning and Tabulation

Before data entry, the Agriculture, Natural Resources and Environment Statistics Directorate of the CSA prepared edit specification for the survey for use on personal computers for data consistency checking purposes. The data on the edited and coded questionnaires were then

entered into personal computers. The data were then checked and cleaned using the edit specifications prepared earlier for this purpose. The data entry operation involved about 70 data encoders, 10 data encoder supervisors, 12 data cleaning operators and 55 personal computers. The data entered into the computers using the entry module of the CPro (Census and Survey Processing System) software, which is a software package developed by the United States Bureau of the Census. Following the data entry operations, the data was further reviewed for data inconsistencies, missing data ... etc. by the regular professional staff from Agriculture, Natural Resources and Environment Statistics Directorate. The final stage of the data processing was to summarizing the cleaned data and produce statistical tables that present the results of the survey using the tabulation component of the PC based CPro software produced by professional staff from Agriculture, Natural Resources and Environment Statistics Directorate.

2.9. CONCEPTS AND DEFINITIONS

Data items of agriculture have to be distinctly defined and identified, so that the information about the items becomes useful. The correct way of stating data items and related terms is a prerequisite for making standards and definitions for the collection and compilation of agricultural data. The purpose of using standard concepts and definitions is not only to provide quality data but also to ensure that the right items are enumerated and measured accurately to reflect the agricultural situation.

Standard concepts and definitions used in the survey help to maintain consistent enumeration and measurement of variables of interest. To achieve this, CSA communicates concepts and definitions to the field staff through training and instruction manuals. The concepts and definitions used in the survey included the following.

Enumeration Area (EA):- an enumeration area in the rural parts of the country is a locality that is in most of the cases less than and only in some cases equal to a farmers' association in geographical area and usually consists of 150-200 households

Household:- a household may be either:

a) A one person household, that is a person who makes provisions for his own living with out combining with any other person to form part of a multi- person household or

b) A multi-person household, that is, a group of two or more persons who live together and make common provisions for food and other essentials of living. The persons in the group may pool their incomes and have a common budget to a greater or lesser extent. They may be related or unrelated persons or a combination of both. These persons are taken as members of the household.

Agriculture:- The growing of crops and/or raising of animals for own consumption and /or sale.

Agricultural Household:- a household is considered an agricultural household when at least one member of the household is engaged in growing crops and/or raising livestock in private or in combination with others.

Holding:- a holding is all the land and /or livestock kept, which is used wholly or partly for agricultural production and is operated as one legal entity by one person alone, or with others with out regard to management, organization, size or location.

Holder:- a holder is a person who exercises management control over the operation of the agricultural holding and makes the major decision regarding the utilization of the available resources. He/she has primary technical and economic responsibility for the holding. He/she may operate the holding directly as an owner or a manager. Under conditions of traditional agricultural holding the holder may be regarded as the person, who with or with out the help of others, operates land and/or raises livestock in his/ her own right, i.e. the person who decides on which, where, when, and how to grow crops or raise livestock or both and has the right to determine the utilization of the products.

Parcel:- a parcel of holding is any piece of land entirely surrounded by land and/or water and/or road and/or forest etc. which is not part of the holding. It may consist of one or more cadastral units, plots or fields adjacent to each other.

Field:- a field is defined as any plot of land which is a parcel or part of a parcel under the same or mixed crops or any other form of private holding.

Crop:- includes cereals, pulses, oilseeds, vegetables, root crops, fruits coffee, Enset, Chat, hops, sugarcane, cotton, tobacco, etc produced for food, making drinks, stimulation and making fabrics or clothing.

Crop production:- the process of growing and harvesting of the above crops for own consumption and/or sale.

Temporary/Annual Crops:- Annual/temporary crops are crops, which are grown in less than a year's time, sometimes only a few months with an objective to sow or replant again for additional production following the current harvest. Continuously grown crops planted in rotation are also considered as temporary crops since each is harvested and destroyed by ploughing in preparation for each successive crop.

Permanent Crops:- Crops, which are grown and occupy land for a long period of time, not requiring replanting for several years after each harvest, are considered as permanent crops. All fruit trees (i.e. oranges, mandarin, bananas, etc) and trees for beverages (i.e. coffee, tea, Gesho, etc) are considered permanent crops but meadows and pastures are excluded.

Meher (Main) Season Crop:- any temporary crop harvested between Meskerm (September) and Yekatit (February) is considered as Meher season crop.

Belg Season Crop:- any temporary crop harvested between Megabit (March) and Pagume (August) is considered to be Belg Season Crop.

Fertilizer:- refers to anything that is added to the soil and intended to increase the amount of plant nutrients available for crop growth. In this survey data is elicited on two types of fertilizers (Natural and Chemical). The Natural fertilizer consists of the farm yard manure and wood ashes while the chemical type consists of DAP (Di- Ammonium phosphate) and UREA (Ammonium Nitrate)

Improved seed :- is crop variety, which gives a significantly higher yield, and better quality compared to locally produced variety of seeds.

Pesticides:- are chemicals that are useful for the control, mitigation or elimination of pests, which are detrimental to crops. Pesticides include insecticides and herbicides.

Irrigation:- refers to the practice where an area of land is purposely and actually provided with water, other than by rain to improve/increase production of crops. The uncontrolled flooding of land by the overflow of rivers or streams is not considered to be irrigation.

Note:-

1. If in some tables figures do not add up to total it is due to rounding
2. Those area and production designated by “*” in all tables could not be reported because of high coefficient of variation (i.e. they are less reliable). However, they are consolidated in the total estimates.
3. In all tables “-” indicates not reported.

PART III

SUMMARY OF SURVEY RESULTS

Farm Management Practice

By and large, agriculture in Ethiopia is subsistence. This is particularly true to the major food crops grown in the country and covered in the survey. The major food crops are produced in almost all regions of the country in spite of the variation in volume of production across the regions. The variation may be attributed to the extent of area devoted to each crop type, weather change, use of inputs, farm practice and a shift in preference for the crops grown. The items on which data is collected are the ones that are practiced by the peasant holders. The items shown in the statistical tables are fertilizers, improved seeds, pesticides and irrigation. The quantity of fertilizers and improved seeds used and the area they are applied to including pesticides and irrigation are also indicated in the statistical tables.

3.1 Fertilizer Applied Area:

Fertilizer is one of the major agricultural inputs that increase productivity. The application of fertilizer to crop fields in Ethiopia is gathering momentum. The volume of fertilizer used and the extent of area it is applied to are shown in Table 1. The total volume of fertilizer applied to area under crops is estimated to be more than 5.2 million quintals and the extent of area to which fertilizer was applied is estimated to be 6.8 million hectares.

Of all the volume of fertilizers used more than 4 million quintal of DAP, 9.5 thousand quintal of UREA and about 2.9 million quintal of both DAP and UREA were applied during the survey production year. Most of the fertilizer used was applied to *teff* (nearly 1.5 million quintals). The largest area to which fertilizer was applied was also on *teff* (1.9 million hectares) followed by maize (nearly 1.4 million hectares) and wheat (1.1 million hectares).

3.2. Improved Seed Applied Area

Improved seeds are another input that contributes to an increase in agricultural productivity. Their application is also noticeable as more and more peasant holders aspire to have

increased volume of crop production. Table 1 sheds some light on the use of improved seeds in the country.

The total volume of improved seeds used in 2011/12 (2004 E.C) was estimated to be more than 483 thousand quintals. The crop area it was applied to was estimated to be around 861 thousand hectares. The larger volumes of improved seeds used were that of wheat and maize which amounted to more than 261 thousand and about 168 thousand quintals, respectively. The largest area to which improved seeds were applied was under maize and wheat estimated to be more than 629 thousand and 120 thousand hectares, respectively.

3.3.Pesticide Applied Area

At times when rampant pests and weeds damage crops the use of pesticides is indispensable. In areas where crop damage caused by pests and weeds was reported the application of pesticides is more evident in the survey results. The total pesticide applied area was estimated to be around 2.3 million hectares as indicated in Table 1. The number of holders who applied it was more than 3.4 million. Most of the crop area to which pesticide was applied was under *teff* (about 987 thousand hectares) and wheat (nearly 662 thousand hectares).

3.4.Irrigated Area

Irrigation enables to increase the frequency of crop production and alleviates water shortage caused by poor rains or at times of dry season. The use of extensive irrigation is an idea fanned by many agricultural experts in the wake of the recurrent drought and famine. The survey results show that the practice of irrigation in the country has a long way to go to bring about the desired change as shown in Table 1.

The total irrigated crop area in the country within the private peasant holdings was estimated to be more than 165 thousand hectares. The farmers who practice irrigation are estimated to number more than one million. Most of the area irrigated was under maize, sorghum and *Teff* estimated to be more than 30 thousand for sorghum, 24 thousand for maize and 10 thousand hectares for *teff*.

3.5 Extension package

The number of holders participating in various crop extension packages was estimated to be greater than 4.6 million. As shown in Table 1 most of the area under the extension program was reported to be under maize, *teff* and wheat estimated to be more than 744 thousand, about 708 thousand and more than 502 thousand hectares, respectively. The extension package embraced about 2.6 million maize growers, more than 1.7 million *teff* growers and more than 1.4 wheat growers. Credit and advisory services users numbered about 3.2 million and more than 9.2 million holders, respectively.

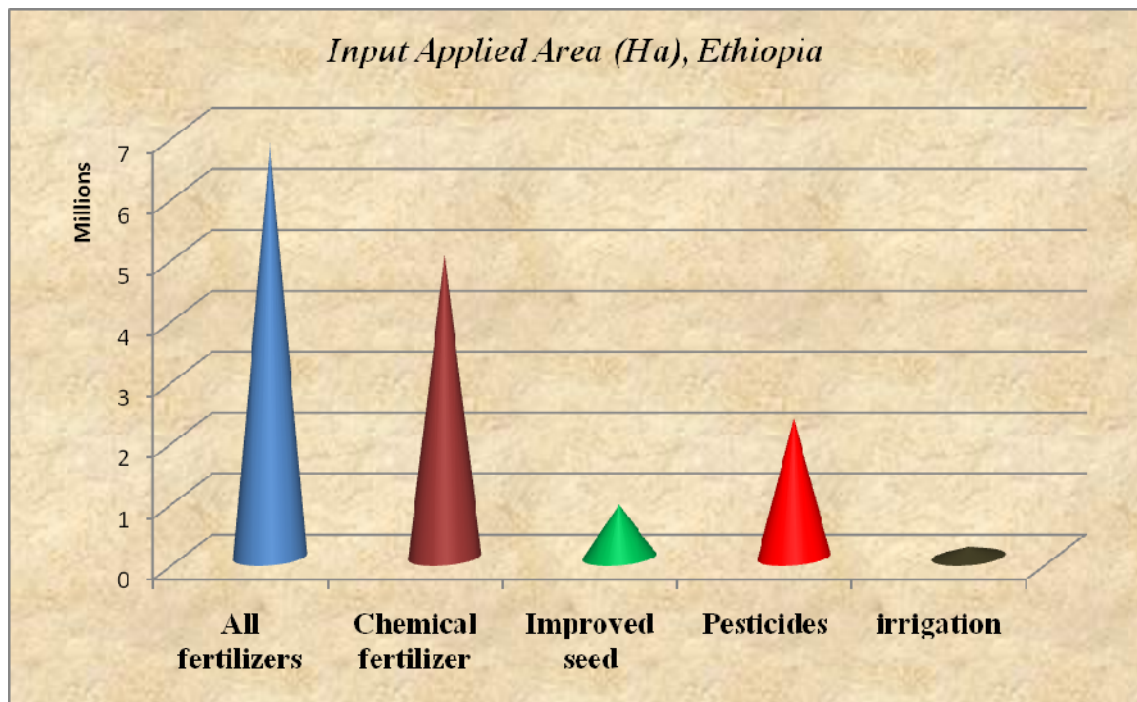


Figure 1: Input applied area in million hectares

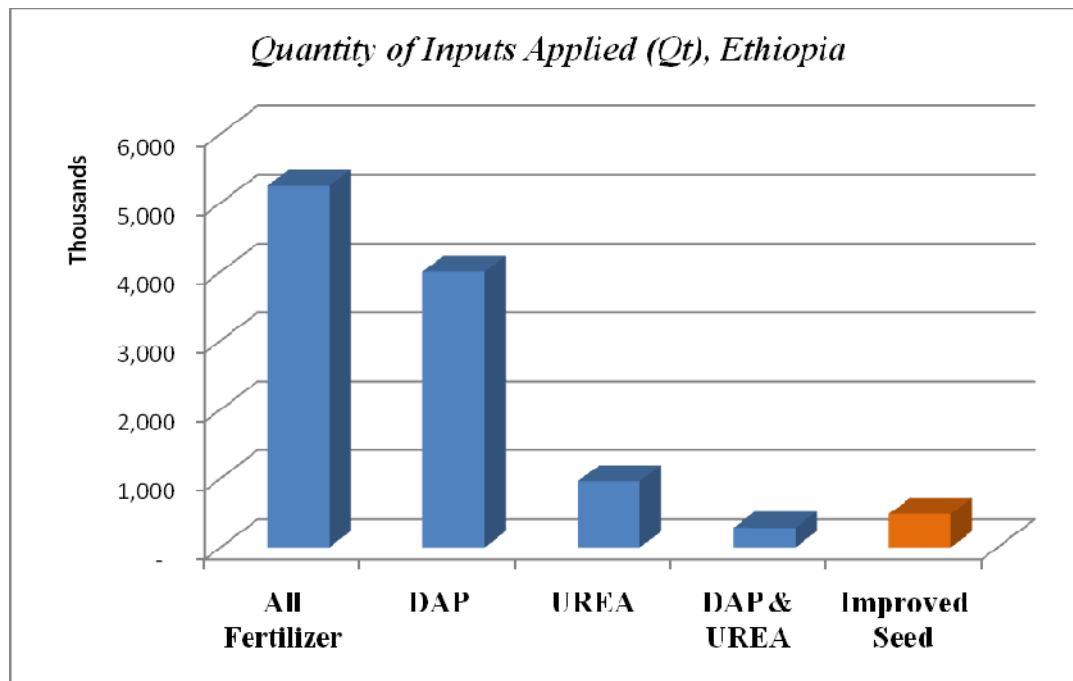


Figure 2: Quantity of inputs applied in million quintals

Table 1. Number of Holders, Inputs Applied Area and Quantity of Inputs used

Ethiopia								
Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	13690344	6803601	5246541	9515261	1848304	3895491	2048444	4001672
Cereals	9588924	5575224	3807014	5896418	1109306	3521975	1790913	2812134
Teff	2731112	1886369	1471172	542001	105155	1607099	632205	947058
Barley	948107	520112	313891	1138011	151701	862375	233597	282853
Wheat	1437485	1114188	719527	690788	89913	1053241	460218	591021
Maize	2054724	1347355	*	4475956	477950	1129642	250425	*
Sorghum	1923717	436515	*	1241861	263931	241115	49698	85278
Finger millet	432561	250369	146331	136756	18041	411688	154751	129067
Oats / 'Aja'	30568	12850	*	42886	2017	45084	9777	*
Rice	30649	7466	*	3556	*	2840	*	*
Pulses	1616809	389357	219444	2311296	172656	1019864	159373	201101
Horse / Faba beans	457560	158205	93311	1068608	83930	457893	58955	89395
Field Peas	212890	61453	31962	254507	19050	210245	32997	30267
Haricot beans	331708	119008	81652	974586	45328	407835	57272	74795
Chick peas	231299	14081	3466	82417	8858	17726	1995	1126
Lentils	109895	13341	4728	82797	4673	41567	2665	2756
Vetch / Grass peas	179866	6272	*	54468	4644	3757	*	*
Soya beans	19397	2294	661	18328	744	3236	*	*
Fenugreek	39965	13030	1374	251337	4932	25442	*	821
Gibto	34229	1674	1144	7438	497	8837	412	977
Oilseeds	880871	108584	*	731957	36421	172509	26198	*
Neug	309011	14898	2735	39179	5299	17999	7461	2071
Linseed	116541	10658	*	111187	5417	31486	3411	2428
Groundnuts	64477	11372	*	54577	4842	12418	1169	1301
Safflower	8169	2544	*	37953	1016	4267	291	*
Sesame	337505	34719	7277	60586	8117	21023	9118	4008
Rapeseed	45168	34393	*	460659	11730	89762	4749	*
Vegetables	160050	113945	*	4043591	46288	242977	12990	*
Lettuce	164	72	*	19355	37	-	-	-
Head cabbage	4803	3286	1536	358017	2083	15009	424	889
Ethiopian cabbage	31784	24379	4907	2481876	22692	64029	823	3492
Tomatoes	7256	5071	*	114544	1091	15771	661	852
Green peppers	6971	4197	1968	772635	3247	27709	394	1101
Red peppers	108806	76778	*	1082333	16986	139194	10687	*
Swiss chard	268	163	*	67013	152	*	*	*
Root crops	199900	122545	215470	3055612	65908	428759	30261	122353
Beetroot	2485	1707	616	338326	1192	11625	340	447
Carrot	*	*	208	114041	*	6761	*	106
Onion	30478	21006	*	485302	4325	41412	*	*
Potatoes	59509	47292	84496	595984	15484	278648	20102	*
Garlic	13279	9929	8305	956426	7276	33189	495	1137
Taro 'Godere'	39696	18877	*	852168	17972	9245	421	*
Sweet potatoes	51313	21494	*	743520	17605	71334	1943	*
Other Temporary	111175	49366	71452	2358407	31816	102172	5976	*
Permanent crops	61473	21426		1606731	19002			
Avocado	9024	4193		567625	4063			
Bananas	35869	12315		984415	10557			
Guava	1357	422		85287	372			
Lemons	894	288		51719	277			
Mangoes	8058	1806		299426	1543			
Oranges	3610	1361		197945	1227			
Papayas	2496	1024		220048	948			
Pineapples	164	17		7635	17			
Stimulant	718222	192784		3284766	140951			
Chat	179776	93367		1122941	56740			
Coffee	515882	88294		2021283	74568			
Hops / 'Gesho'	22564	11124		892344	9643			
Enset	312172	216826		3185996	214968			
Sugar cane	22120	7634		465143	5902			
Other permanent	18628	5909		481550	*			

(Table 1 *cont'd.*)**Ethiopia**

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	1291878	348973	959866	4505912	2557880	285004	14301222	12717642	9024833
Cereals	983220	291369	729494	4346730	2383636	265385	12784767	8757886	7088017
Teff	423144	130468	388400	2111824	1018542	135714	6231506	2678803	1401585
Barley	90508	13548	11284	618979	121266	19754	4065838	937425	1700171
Wheat	151328	27129	33708	1647771	536928	94798	4074575	1315794	2591286
Maize	368587	49024	131356	1989952	569956	9258	8197912	1423606	614272
Sorghum	191815	52272	*	278992	70613	3869	5135184	1910715	487711
Finger millet	86443	15972	15479	238605	61606	1785	1553524	431785	197448
Oats / 'Aja'	*	*	*	16262	803	*	253153	30568	48520
Rice	*	*	*	14557	3922	*	88820	29191	47025
Pulses	108612	8464	11958	495348	48863	6385	7453760	1605849	1710432
Horse / Faba beans	32465	1809	2714	182494	13511	1202	3596942	455693	642583
Field Peas	7630	562	474	67001	8844	*	1479394	212346	228755
Haricot beans	42518	2810	6149	188615	13597	709	2851917	326739	253616
Chick peas	5872	*	*	17860	2658	*	962544	229333	250448
Lentils	8956	760	486	35556	5242	*	820860	109104	98119
Vetch / Grass peas	*	*	*	5382	185	*	814177	179461	188286
Soya beans	*	*	164	4804	*	-	83521	19055	12783
Fenugreek	12379	683	386	48491	3793	*	734643	39902	20727
Gibto	*	*	*	9069	634	-	155381	34216	15115
Oilseeds	86240	13946	33090	329762	32019	1759	3563020	876352	226385
Neug	*	*	*	24300	1866	*	1066340	308327	52908
Linseed	10310	577	*	23271	1254	*	982935	116037	64266
Groundnuts	18230	*	*	3290	*	-	274707	64319	42313
Safflower	10458	435	*	16362	803	*	164952	8168	3212
Sesame	18732	7110	3054	15943	10374	*	887523	335270	49725
Rapeseed	28139	974	5943	258828	16940	995	971824	44231	13960
Vegetables	230386	10876	25314	412370	43792	2946	6355772	157186	-
Lettuce	2923	*	*	*	*	-	34128	160	-
Head cabbage	15449	*	*	18698	510	*	578163	4461	-
Ethiopian cabbage	13977	*	*	26743	608	*	3327663	31582	-
Tomatoes	5537	*	*	11617	*	*	247234	6900	-
Green peppers	18238	216	471	25000	339	*	1294480	6929	-
Red peppers	185973	9871	18918	344705	39234	*	2370136	106895	-
Swiss chard	*	*	*	*	*	*	100438	259	-
Root crops	173645	5346	*	357687	21031	*	5605248	196758	-
Beetroot	8568	66	163	8689	*	*	513259	2371	-
Carrot	1655	*	*	4579	*	*	178352	1394	-
Onion	45132	2231	*	106701	7579	*	991049	29933	-
Potatoes	30475	1413	3383	131847	10292	1086	1292788	59294	-
Garlic	67008	445	*	97995	1713	*	1637092	13259	-
Taro 'Godere'	14476	*	2360	3926	*	-	1461592	39474	-
Sweet potatoes	23485	849	1380	40928	1097	*	1581654	51034	-
Other Temporary	89777	5189	20043	107949	6386	*	4016966	110522	-
Permanent crops							2900928	54413	
Avocado							917040	7789	
Bananas							1854882	32322	
Guava							198800	1077	
Lemons							142251	825	
Mangoes							761289	7066	
Oranges							397035	3028	
Papayas							489208	2164	
Pineapples							26797	144	
stimulant							5846635	628987	
Chat							2242723	164813	
Coffee							3585246	443295	
Hops / 'Geshe'							1763127	20879	
Enset							4033453	292416	
Sugar cane							1011558	20850	
Other permanent							1045423	16424	

(Table 1 Cont'd.)

Ethiopia

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	2,708,243	860,801	483,326	3,482,619	2,270,709	1,143,077	165,604	4,670,808	2,767,587
Cereals	2,413,049	815,621	473,233	3,220,837	2,124,307	422,962	74,647	4,447,022	2,450,757
Teff	154,174	49,859	20,910	1,908,803	986,489	59,472	10,126	1,732,541	708,907
Barley	34,648	9,212	19,120	655,054	196,857	35,337	3,771	793,504	179,350
Wheat	426,295	120,649	261,347	1,444,358	661,947	38,473	5,085	1,423,113	502,617
Maize	1,986,691	629,589	168,133	266,911	72,884	270,546	30,023	2,578,813	744,126
Sorghum	12,025	4,091	799	256,127	118,651	140,257	24,628	469,240	142,565
Finger millet	4,397	*	*	232,500	72,534	8,288	743	441,359	160,184
Oats / 'Aja'	-	-	-	74,169	12,729	*	*	32,080	6,694
Rice	*	*	*	6,098	*	*	*	20,390	*
Pulses	68,896	8,824	8,714	252,989	79,122	99,012	6,356	903,043	152,873
Horse / Faba beans	10,314	1,443	1,982	82,712	17,614	16,319	704	428,908	49,728
Field Peas	3,119	*	*	43,472	8,862	4,544	254	129,845	18,270
Haricot beans	43,723	4,334	3,042	54,002	16,249	46,519	2,026	299,999	40,497
Chick peas	8,019	1,568	*	39,916	15,392	7,193	766	64,775	16,089
Lentils	4,663	612	599	54,810	12,616	*	*	72,743	11,975
Vetch / Grass peas	*	*	*	30,486	*	6,806	1,079	44,123	9,218
Soya beans	819	*	*	*	*	*	*	9,003	1,595
Fenugreek	*	*	*	6,298	178	20,005	526	51,167	2,609
Gibto	-	-	-	*	*	-	-	20,926	2,892
Oilseeds	20,742	3,773	1,379	65,774	21,627	28,289	*	488,772	62,670
Neug	*	*	*	5,585	*	3,265	*	39,465	12,010
Linseed	*	*	*	44,716	15,816	5,303	60	60,537	4,881
Groundnuts	*	*	*	*	*	*	*	20,555	2,114
Safflower	-	-	-	*	*	*	*	25,876	942
Sesame	9,005	1,944	*	8,414	2,707	5,159	211	39,840	21,682
Rapeseed	6,259	819	*	3,580	*	5,458	*	333,780	21,041
Vegetables	68,021	2,451	-	92,057	9,120	274,472	7,835	482,347	29,650
Lettuce	*	*	-	-	-	8,312	*	2,752	*
Head cabbage	41,111	335	-	11,039	195	52,152	723	48,021	503
Ethiopian cabbage	4,164	31	-	19,175	*	47,796	693	65,005	580
Tomatoes	8,321	*	-	8,813	*	50,943	*	21,234	1,075
Green peppers	3,396	*	-	13,298	112	82,444	905	45,471	421
Red peppers	10,289	1,727	-	44,258	4,902	107,213	1,514	332,271	27,027
Swiss chard	4,035	*	-	2,352	*	9,397	23	8,312	22
Root crops	87,593	*	-	175,343	21,613	341,723	16,243	487,997	17,392
Beetroot	29,140	112	-	6,277	75	22,483	95	33,562	185
Carrot	28,003	*	-	1,695	*	13,529	107	21,970	*
Onion	22,642	*	-	67,600	10,693	132,936	7,527	85,431	3,424
Potatoes	7,929	212	-	86,628	10,091	71,437	3,930	182,892	9,023
Garlic	3,033	14	-	16,116	614	95,271	1,318	174,553	2,121
Taro 'Godere'	1,540	*	-	2,542	*	5,571	80	11,754	250
Sweet potatoes	7,143	143	-	3,778	65	77,022	3,186	57,656	1,572
Other									
Temporary	8,992	*	-	39,708	*	114,297	5,371	216,124	7,404
Permanent crops				14,168	90	319,430	8,532	95,325	1,363
Avocado				2,545	*	42,550	260	14,392	81
Bananas				4,974	26	184,584	5,703	41,603	733
Guava				*	*	50,801	420	19,180	149
Lemons				*	*	32,856	283	4,397	9
Mangoes				565	*	50,157	851	23,064	186
Oranges				3,873	*	57,104	700	12,781	134
Papayas				1,583	*	60,374	308	12,685	71
Pineapples				*	*	*	*	-	-
Stimulant	208,465	24,210	-	85,273	6,775	465,701	33,047	355,721	39,209
Chat				72,396	6,019	288,690	23,561	220,697	22,581
Coffee	205,709	24,021	-	18,040	757	283,778	9,486	186,565	16,628
Hops / 'Gesho'				8,143	134	229,770	2,680	154,387	2,177
Enset				15,232	442	57,880	2,138		
Sugar cane				*	*	143,531	5,455	28,242	858
Other permanent				2,671	*	66,440	1,075	34,668	988

Table1.1 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Tigray

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	879166	541263	*	576751	137876	184664	88344	119189
Cereals	716179	499691	*	492800	123183	170223	79625	113644
Teff	152740	112747	*	41644	6445	63845	19713	*
Barley	99453	72900	23329	126921	15836	53152	8582	11920
Wheat	105309	81810	26258	69336	8768	44153	8661	9884
Maize	64803	57580	*	359372	35879	29290	3081	1959
Sorghum	215143	114685	*	161850	47480	47704	19976	*
Finger millet	76655	58095	24134	51960	8773	56073	19557	12622
Oats / 'Aja'	*	*	-	-	-	-	-	-
Rice	*	*	*	*	*	*	*	*
Pulses	50020	13595	2732	124809	8337	23620	1591	1461
Horse / Faba beans	15440	7082	1423	84901	4505	12818	704	725
Field Peas	4953	1807	516	14020	853	5365	479	356
Haricot beans	3570	281	*	6326	136	*	*	*
Chick peas	7255	1534	*	7510	970	*	*	*
Lentils	7796	1111	224	6966	401	2421	*	*
Vetch / Grass peas	9718	1255	*	8446	1165	*	*	*
Soya beans	*	*	-	*	*	-	-	-
Fenugreek	1247	503	*	17875	284	*	*	*
Gibto	-	-	-	-	-	-	-	-
Oilseeds	98720	22632	*	24123	3339	11973	6735	2850
Neug	4982	658	*	4215	*	*	*	*
Linseed	7673	949	*	9383	421	1233	*	*
Groundnuts	*	-	-	-	-	-	-	-
Safflower	*	*	*	2154	6	-	-	-
Sesame	85890	20929	4014	8595	2617	10427	6528	2722
Rapeseed	*	*	-	*	*	-	-	-
Vegetables	2563	1892	713	146332	1398	5909	*	*
Lettuce	10	*	*	1784	*	-	-	-
Head cabbage	167	104	*	3756	23	*	*	*
Ethiopian cabbage	16	*	*	*	*	-	-	-
Tomatoes	352	*	*	10039	*	*	*	*
Green peppers	461	339	*	27325	158	*	*	*
Red peppers	1540	1163	172	106475	1016	2227	15	63
Swiss chard	16	12	*	3472	*	-	-	-
Root crops	2085	1610	1353	48686	425	4882	*	*
Beetroot	*	*	*	-	-	-	-	-
Carrot	*	40	*	*	*	*	*	*
Onion	*	*	313	14815	62	*	*	*
Potatoes	661	546	368	21179	210	*	*	*
Garlic	616	506	*	24419	144	*	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-
Other Temporary	599	333	*	28491	193	*	*	*
Permanent crops	672	184		15099	57			
Avocado	*	*		*	*			
Bananas	*	*		*	*			
Guava	221	58		7160	*			
Lemons	*	*		*	*			
Mangoes	*	*		*	*			
Oranges	69	10		4837	6			
Papayas	154	36		3508	*			
Pineapples	-	-		-	-			
stimulant	2174	631		46899	256			
Chat	*	*		*	*			
Coffee	*	*		4663	10			
Hops / 'Geshe'	1539	592		45739	239			
Enset	*	*		*	*			
Sugar cane	*	-		-	-			
Other permanent	6117	*		15163	*			

(Table 1.1 cont'd.)

Tigray

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	154697	51801	*	480265	263241	31526	965475	859600	619609
Cereals	137885	47856	*	474506	249027	30254	945613	699388	551912
Teff	51115	12651	*	246352	73937	7101	492072	149760	75461
Barley	36051	6373	5592	218171	42110	5816	464005	99243	177212
Wheat	31526	5729	5448	244100	58653	10925	373184	94839	165419
Maize	45677	3428	*	144645	15192	2183	630388	64211	33688
Sorghum	45396	14056	*	97786	33172	3432	499070	213771	67674
Finger millet	31754	5620	*	105527	24146	770	300714	76626	31257
Oats / 'Aja'	-	-	-	*	*	-	*	*	*
Rice	-	-	-	*	*	*	4227	*	*
Pulses	12197	727	604	41417	2940	667	398184	49848	51203
Horse / Faba beans	8470	475	381	24081	1397	*	222414	15440	19647
Field Peas	2760	165	*	5450	310	*	56058	4953	6149
Haricot beans	*	*	*	3738	103	*	40720	3570	1278
Chick peas	*	*	*	*	*	*	49210	7255	5866
Lentils	*	*	*	7129	589	*	69638	7654	6868
Vetch / Grass peas	-	-	-	*	*	-	55955	9687	10551
Soya beans	-	-	-	-	-	-	*	*	*
Fenugreek	*	*	*	4475	*	*	52639	1247	795
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	6638	2660	*	11139	9898	*	234094	97810	16494
Neug	-	-	-	*	*	-	36323	4978	1549
Linseed	1863	*	*	*	*	-	80581	7673	3033
Groundnuts	-	-	-	-	-	-	*	*	*
Safflower	*	*	*	*	*	*	5509	*	18
Sesame	4222	*	*	7647	9327	*	126343	84985	11875
Rapeseed	-	-	-	-	-	-	1002	*	*
Vegetables	10919	123	315	18224	298	*	233448	2439	-
Lettuce	*	*	*	-	-	-	4513	10	-
Head cabbage	2511	*	*	*	*	-	8477	71	-
Ethiopian cabbage	*	*	*	*	*	-	6624	16	-
Tomatoes	*	*	*	2922	*	-	20719	352	-
Green peppers	3325	*	*	5850	*	*	56892	460	-
Red peppers	4875	44	61	9554	87	*	152243	1515	-
Swiss chard	*	*	*	*	*	*	6400	15	-
Root crops	13909	*	600	23125	626	244	110444	1731	-
Beetroot	*	*	*	-	-	-	*	*	-
Carrot	*	*	*	*	*	*	3334	*	-
Onion	7889	*	*	9630	208	87	46619	433	-
Potatoes	*	*	*	5558	216	*	35343	638	-
Garlic	5439	*	*	11495	184	*	60467	612	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other Temporary	*	*	*	2761	*	*	59740	597	-
Permanent crops							44778	584	
Avocado							2736	*	
Bananas							5923	*	
Guava							19313	165	
Lemons							9442	*	
Mangoes							2006	*	
Oranges							11049	61	
Papayas							10472	143	
Pineapples							-	-	
Stimulant							133251	2019	
Chat							*	*	
Coffee							10441	*	
Hops / 'Gesho'							123204	1448	
Enset							*	*	
Sugar cane							*	*	
Other permanent							96607	5144	

(Table 1.1 Cont'd.)

Tigray

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	100,272	17,005	28,275	157,444	82,087	135,493	13,541	568,660	349,797
Cereals	74,138	15,783	27,668	153,644	80,574	49,522	9,664	554,318	318,128
Teff	10,145	2,494	1,178	68,784	27,268	13,896	2,533	267,652	80,538
Barley	*	*	*	40,445	6,778	9,001	1,294	253,111	55,285
Wheat	55,332	10,408	23,489	43,835	10,271	19,198	3,394	259,151	65,662
Maize	5,171	530	394	28,204	3,659	16,677	876	190,288	19,658
Sorghum	2,386	*	295	49,794	26,225	3,083	*	156,429	63,726
Finger millet	*	*	*	23,570	6,372	2,306	377	120,367	31,340
Oats / 'Aja'	-	-	-	-	-	-	-	*	*
Rice	*	*	*	*	-	-	-	*	*
Pulses	*	*	-	5,981	812	17,046	975	97,323	10,917
Horse / Faba beans	-	-	-	2,732	*	5,459	196	58,452	3,487
Field Peas	-	-	-	*	*	*	*	16,625	2,004
Haricot beans	-	-	-	*	*	-	-	*	*
Chick peas	-	-	-	*	*	*	*	9,367	550
Lentils	-	-	-	-	-	*	*	15,739	2,239
Vetch / Grass peas	*	*	-	*	*	*	*	8,672	1,661
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	10,461	216	10,132	393
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	2,626	*	*	1,497	689	*	*	37,620	18,511
Neug	*	*	*	-	-	-	-	*	*
Linseed	-	-	-	-	-	*	*	13,926	1,684
Groundnuts	-	-	-	-	-	-	-	*	*
Safflower	-	-	-	-	-	-	-	*	*
Sesame	2,626	*	*	1,497	689	-	-	19,117	16,436
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	3,172	*	-	1,372	*	33,721	634	28,881	521
Lettuce	-	-	-	-	-	1,991	*	*	*
Head cabbage	*	*	-	-	-	7,116	107	3,746	*
Ethiopian cabbage	-	-	-	-	-	*	*	1,465	*
Tomatoes	-	-	-	-	-	9,435	157	5,364	*
Green peppers	*	*	-	-	-	11,263	*	10,595	111
Red peppers	*	*	-	1,372	*	11,416	187	11,898	171
Swiss chard	*	*	-	-	-	3,616	7	*	*
Root crops	6,547	*	-	-	-	43,198	907	36,979	951
Beetroot	-	-	-	-	-	*	*	-	-
Carrot	*	*	-	-	-	*	*	2,115	*
Onion	*	*	-	-	-	21,975	347	13,703	*
Potatoes	*	*	-	-	-	6,243	149	11,513	232
Garlic	*	*	-	-	-	25,077	380	16,404	333
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other Temporary	*	*	-	-	-	9,345	30	8,659	*
Permanent crops				*	*	37,643	406	12,295	150
Avocado				-	-	3,381	*	*	*
Bananas				-	-	6,596	*	*	*
Guava				-	-	19,587	188	7,633	66
Lemons				-	-	5,531	15	*	*
Mangoes				-	-	1,805	*	1,155	*
Oranges				*	*	9,444	22	3,365	13
Papayas				-	-	9,703	75	1,717	*
Pineapples				-	-	-	-	-	-
Stimulant	2,437	*	-	-	-	12,168	*	3,224	*
Chat				-	-	*	*	*	*
Coffee	2,437	*	-	-	-	10,732	*	2,906	*
Hops / 'Gesho'				*	*	59,386	421	25,666	329
Enset				-	-	-	-	-	-
Sugar cane				-	-	*	*	*	*
Other permanent				-	-	6,419	*	6,253	73

Table1.1.1 Number of Holders, Inputs Applied Area and Quantity of Inputs used

North West Tigray

Crop type	All	All Fertilizers		Natural		DAP		
	Crop Area	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	200662	140173	33772	148857	41873	63515	40528	26870
Cereals	176027	134475	31910	134581	39611	62863	39145	26001
Teff	35664	29994	8336	*	*	30160	10613	6595
Barley	415	127	*	*	*	*	*	*
Wheat	*	*	-	*	*	-	-	-
Maize	25937	24163	1529	126716	15471	9777	1106	916
Sorghum	65246	39858	9072	53100	17334	25082	11157	7332
Finger millet	48609	40208	12852	27108	6380	43297	16200	11042
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	*	*	*	*	-	*	*	*
Pulses	6138	841	*	8447	405	*	*	*
Horse / Faba beans	2484	203	*	4279	145	-	-	-
Field Peas	*	*	-	*	*	-	-	-
Haricot beans	398	78	*	*	*	*	*	*
Chick peas	2694	513	*	*	*	*	*	*
Lentils	*	-	-	-	-	-	-	-
Vetch / Grass peas	*	-	-	-	-	-	-	-
Soya beans	*	-	-	-	-	-	-	-
Fenugreek	*	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	16573	3613	*	7142	778	4256	*	581
Neug	1819	*	*	*	*	*	*	*
Linseed	*	*	-	*	*	-	-	-
Groundnuts	-	-	-	-	-	-	-	-
Safflower	*	*	-	*	*	-	-	-
Sesame	13506	*	*	4132	579	3942	*	565
Rapeseed	*	*	-	*	*	-	-	-
Vegetables	1158	1072	106	91297	1010	1851	*	32
Lettuce	*	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-
Tomatoes	*	*	*	*	*	-	-	-
Green peppers	*	*	-	*	*	-	-	-
Red peppers	996	917	99	88117	860	1851	*	32
Swiss chard	-	-	-	-	-	-	-	-
Root crops	27	*	-	*	*	-	-	-
Beetroot	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-
Onion	*	*	-	*	*	-	-	-
Potatoes	-	-	-	-	-	-	-	-
Garlic	*	*	-	*	*	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-
Other Temporary	*	*	-	*	*	-	-	-
Permanent crops	*	*		*	*			
Avocado	*	-	-	-	-			
Bananas	*	*		*	*			
Guava	*	*		-	-			
Lemons	*	*		*	*			
Mangoes	*	*		-	-			
Oranges	*	*		*	*			
Papayas	*	*		*	*			
Pineapples	-	-		-	-			
	371	*		*	*			
Chat	-	-		-	-			
Coffee	*	-		-	-			
Hops / 'Geshe'	369	*		*	*			
Enset	-	-		-	-			
Sugar cane	-	-		-	-			
Other permanent	*	-		-	-			

(Table 1.1.1 cont'd.)

North West Tigray

[illegible]

(Table 1.1.1 Cont'd.)

North West Tigray

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	8,124	1,583	677	44,245	19,802	10,646	359	101,344	63,612
Cereals	5,067	1,416	662	43,337	19,691	*	*	100,122	61,034
Teff	3,492	1,057	441	14,437	4,226	*	*	51,726	15,833
Barley	-	-	-	*	*	-	-	*	*
Wheat	-	-	-	-	-	-	-	-	-
Maize	1,964	*	208	12,816	2,238	*	*	27,668	5,602
Sorghum	*	*	*	19,966	8,065	-	-	37,551	17,166
Finger millet	-	-	-	16,502	5,011	*	*	61,596	22,346
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	*	*
Pulses	-	-	-	*	*	*	*	*	*
Horse / Faba beans	-	-	-	-	-	*	*	*	*
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	*	*	-	-	*	*
Chick peas	-	-	-	-	-	*	*	*	*
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	*	*	*	*	*	-	-	6,098	*
Neug	-	-	-	-	-	-	-	*	*
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	*	*	*	*	*	-	-	5,785	*
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	*	*	-	*	*	1,963	*	*	*
Lettuce	-	-	-	-	-	*	*	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	-	-	-	-	-	*	*	*	*
Green peppers	-	-	-	-	-	-	-	-	-
Red peppers	*	*	-	*	*	*	*	*	*
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	-	-	-	-	-	*	*	-	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	*	*	-	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	*	*	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other Temporary	-	-	-	-	-	-	-	*	*
Permanent crops	-	-	-	-	-	*	*	*	*
Avocado	-	-	-	-	-	*	*	-	-
Bananas	-	-	-	-	-	*	*	-	-
Guava	-	-	-	-	-	*	*	*	*
Lemons	-	-	-	-	-	2,017	*	-	-
Mangoes	-	-	-	-	-	*	*	-	-
Oranges	-	-	-	-	-	*	*	-	-
Papayas	-	-	-	-	-	*	*	-	-
Pineapples	-	-	-	-	-	-	-	-	-
Stimulant	-	-	-	-	-	*	*	-	-
Chat	-	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	*	*	-	-
Hops / 'Gesho'	-	-	-	*	*	5,426	*	1,345	*
Enset	-	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	-	-	-	-
Other permanent	-	-	-	-	-	*	*	*	*

Table1.1.2 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Central Tigray

Crop type	All	All Fertilizers		Natural		DAP		
	Crop Area	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	220884	170720	42824	169177	40932	37909	19747	11595
Cereals	200159	163559	41174	147209	36676	35137	19167	11076
Teff	61737	54861	14096	11612	1382	24590	7153	4616
Barley	20770	16729	4873	41394	3639	9065	783	862
Wheat	25005	20919	*	21606	2144	*	*	*
Maize	22277	20334	3929	108947	12006	10708	1501	689
Sorghum	57235	39913	8019	64126	16370	16523	6476	2982
Finger millet	13114	10784	2584	13686	1134	11472	*	*
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	*	*	*	-	-	-	-	-
Pulses	15765	5570	905	56913	3602	*	321	319
Horse / Faba beans	6873	3912	691	46061	2701	*	*	285
Field Peas	762	*	-	*	*	-	-	-
Haricot beans	*	*	*	2553	*	-	-	-
Chick peas	1599	511	*	*	*	-	-	-
Lentils	1959	352	*	3516	130	*	*	*
Vetch / Grass peas	*	*	-	*	*	-	-	-
Soya beans	*	*	-	*	*	-	-	-
Fenugreek	*	*	*	*	*	*	*	*
Gibto	-	-	-	-	-	-	-	-
Oilseeds	3345	*	*	5830	*	*	*	*
Neug	789	*	-	*	*	-	-	-
Linseed	2060	*	*	3013	*	*	*	*
Groundnuts	-	-	-	-	-	-	-	-
Safflower	*	*	*	*	*	-	-	-
Sesame	*	*	-	*	*	-	-	-
Rapeseed	-	-	-	-	-	-	-	-
Vegetables	300	214	*	25881	134	*	*	*
Lettuce	*	*	-	*	*	-	-	-
Head cabbage	*	*	*	*	*	-	-	-
Ethiopian cabbage	*	*	-	*	*	-	-	-
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	188	110	26	17385	84	*	*	*
Red peppers	76	69	*	*	*	-	-	-
Swiss chard	*	*	*	*	*	-	-	-
Root crops	272	234	*	*	*	-	-	-
Beetroot	*	*	*	-	-	-	-	-
Carrot	*	*	*	-	-	-	-	-
Onion	62	*	*	*	*	-	-	-
Potatoes	*	*	*	*	*	-	-	-
Garlic	174	153	*	*	*	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-
Other Temporary	*	*	*	5880	*	*	*	*
Permanent crops	63	*		5125	*			
Avocado	-	-		-	-			
Bananas	*	-		-	-			
Guava	31	*		*	*			
Lemons	*	*		*	*			
Mangoes	-	-		-	-			
Oranges	*	*		*	*			
Papayas	*	*		*	*			
Pineapples	-	-		-	-			
Stimulant	*	*		14196	*			
Chat	-	-		-	-			
Coffee	*	*		*	*			
Hops / 'Gescho'	*	*		13522	*			
Enset	-	-		-	-			
Sugar cane	-	-		-	-			
Other permanent	*	*		*	*			

(Table 1.1.2cont'd.)

Central Tigray

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	42968	16819	11906	175434	93222	19323	288602	218402	166261
Cereals	40799	16651	11477	175072	91065	18621	287886	198027	150033
Teff	24251	6432	4508	127283	39894	4971	198340	60805	33646
Barley	10722	1025	926	81193	11283	*	150602	20750	35706
Wheat	4326	625	700	91985	17527	*	118023	24045	40162
Maize	15941	1772	1619	73406	5055	1621	219223	22058	14331
Sorghum	19965	5591	2874	47164	11476	*	161412	57235	20517
Finger millet	*	*	*	38019	5811	*	83235	13114	5653
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	*	*	*	*	*	*
Pulses	3091	115	*	21532	1531	428	137007	15765	15217
Horse / Faba beans	*	*	*	13674	878	*	98123	6873	7795
Field Peas	-	-	-	*	*	-	11899	762	601
Haricot beans	*	*	*	2781	70	*	16783	*	400
Chick peas	*	*	*	*	*	-	12461	1599	1850
Lentils	*	*	*	*	*	*	24609	1959	1942
Vetch / Grass peas	-	-	-	*	*	-	12896	*	*
Soya beans	-	-	-	-	-	-	*	*	*
Fenugreek	-	-	-	*	*	-	13821	*	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	*	*	*	36183	3208	1011
Neug	-	-	-	*	*	-	10631	789	*
Linseed	-	-	-	-	-	-	22212	2060	634
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	*	*	*	*	*	*
Sesame	-	-	-	-	-	-	*	*	*
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	2151	*	*	7725	59	*	46351	290	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	*	*	*	-	-	-	*	*	-
Ethiopian cabbage	-	-	-	-	-	-	*	*	-
Tomatoes	-	-	-	*	*	-	1463	*	-
Green peppers	*	*	*	3739	*	*	31759	188	-
Red peppers	*	*	*	*	*	*	12088	76	-
Swiss chard	*	*	*	*	*	*	*	*	-
Root crops	*	*	*	5787	*	*	24067	267	-
Beetroot	*	*	*	-	-	-	*	*	-
Carrot	-	-	-	*	*	*	*	*	-
Onion	-	-	-	2921	*	*	8760	61	-
Potatoes	-	-	-	*	*	*	*	*	-
Garlic	*	*	*	3912	*	*	18167	170	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other Temporary	-	-	-	-	-	-	11170	*	-
Permanent crops							9842	54	
Avocado							-	-	
Bananas							*	*	
Guava							4738	24	
Lemons							*	*	
Mangoes							-	-	
Oranges							2140	*	
Papayas							*	*	
Pineapples							-	-	
Stimulant							31896	*	
Chat							-	-	
Coffee							*	*	
Hops / 'Gesho'							30884	*	
Enset							-	-	
Sugar cane							-	-	
Other permanent							3347	*	

(Table 1.1.2 Cont'd.)

Central Tigray

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	13,719	1,888	2,259	57,886	30,692	28,242	2,432	176,258	94,308
Cereals	10,590	1,731	2,222	56,726	30,226	11,804	1,915	174,452	90,743
Teff	2,926	576	*	36,923	15,808	4,263	791	115,781	38,209
Barley	*	*	*	25,723	4,787	*	*	74,485	10,040
Wheat	6,238	960	1,716	26,194	4,934	2,887	*	73,070	13,384
Maize	*	*	*	12,321	1,051	5,047	306	81,656	7,843
Sorghum	-	-	-	10,259	3,223	*	*	51,041	16,411
Finger millet	-	-	-	3,911	*	1,439	*	35,296	4,837
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	*	*
Pulses	-	-	-	3,333	*	*	*	36,263	2,683
Horse / Faba beans	-	-	-	2,571	*	*	*	29,748	1,706
Field Peas	-	-	-	-	-	-	-	*	*
Haricot beans	-	-	-	-	-	-	-	*	*
Chick peas	-	-	-	*	*	*	*	*	*
Lentils	-	-	-	-	-	-	-	4,720	365
Vetch / Grass peas	-	-	-	*	*	-	-	*	*
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	*	*	*	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	*	*	*	-	-	-	-	6,438	385
Neug	-	-	-	-	-	-	-	*	*
Linseed	-	-	-	-	-	-	-	2,829	*
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	*	*
Sesame	*	*	*	-	-	-	-	*	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	*	*	-	-	-	5,914	47	9,392	62
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	-	-	*	*	*	*
Ethiopian cabbage	-	-	-	-	-	-	-	*	*
Tomatoes	-	-	-	-	-	-	-	*	*
Green peppers	*	*	-	-	-	3,683	*	6,502	25
Red peppers	-	-	-	-	-	*	*	*	*
Swiss chard	*	*	-	-	-	*	*	-	-
Root crops	*	*	-	-	-	8,852	*	6,334	*
Beetroot	-	-	-	-	-	*	*	-	-
Carrot	-	-	-	-	-	-	-	*	*
Onion	*	*	-	-	-	4,341	30	2,195	*
Potatoes	-	-	-	-	-	*	*	*	*
Garlic	*	*	-	-	-	7,401	*	4,889	*
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other									
Temporary	*	*	-	-	-	*	*	*	*
Permanent crops				-	-	8,619	57	2,274	*
Avocado				-	-	-	-	-	-
Bananas				-	-	*	*	*	*
Guava				-	-	3,928	*	*	*
Lemons				-	-	*	*	*	*
Mangoes				-	-	-	-	-	-
Oranges				-	-	2,118	*	-	-
Papayas				-	-	2,144	*	*	*
Pineapples				-	-	-	-	-	-
Stimulant	*	*	-	-	-	*	*	-	-
Chat				-	-	-	-	-	-
Coffee	*	*	-	-	-	*	*	-	-
Hops / 'Geshe'				*	*	10,990	125	8,259	*
Enset				-	-	-	-	-	-
Sugar cane				-	-	-	-	-	-
Other permanent				-	-	*	*	*	*

Table1.1.3 Number of Holders, Inputs Applied Area and Quantity of Inputs used

East Tigray

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	95841	73001	21891	90194	17323	52131	13026	12751
Cereals	79503	67422	20554	68850	13886	47790	12187	11946
Teff	7527	5295	1308	7904	*	4320	646	475
Barley	30897	26376	9588	43191	6315	34820	6163	5893
Wheat	28602	25969	7653	26290	3098	27747	4703	5095
Maize	3639	3274	726	29330	1915	6692	347	318
Sorghum	4712	2862	662	6570	*	*	*	*
Finger millet	4108	3628	611	5401	450	*	*	*
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	*	*	*	-	-	-	-	-
Pulses	9188	4177	889	33997	2635	9241	710	568
Horse / Faba beans	2292	1609	427	20286	867	4644	*	*
Field Peas	1633	925	*	7080	365	4472	337	*
Haricot beans	*	-	-	-	-	-	-	-
Chick peas	1035	*	*	*	*	*	*	*
Lentils	734	198	15	1292	*	1179	*	15
Vetch / Grass peas	3330	1150	*	*	*	*	*	*
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	111	35	*	5188	29	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	1268	242	*	3774	83	*	*	*
Neug	-	-	-	-	-	-	-	-
Linseed	1242	219	42	3341	82	*	*	*
Groundnuts	-	-	-	-	-	-	-	-
Safflower	*	*	*	*	*	-	-	-
Sesame	-	-	-	-	-	-	-	-
Rapeseed	*	*	-	*	*	-	-	-
Vegetables	184	143	91	7001	29	*	*	*
Lettuce	*	*	*	*	*	-	-	-
Head cabbage	*	*	*	*	*	-	-	-
Ethiopian cabbage	8	*	*	*	*	-	-	-
Tomatoes	*	*	*	*	*	*	*	*
Green peppers	*	*	*	2035	*	-	-	-
Red peppers	*	*	*	*	*	-	-	-
Swiss chard	4	2	-	1454	*	-	-	-
Root crops	379	*	*	8423	24	2974	*	*
Beetroot	-	-	-	-	-	-	-	-
Carrot	*	*	*	*	*	-	-	-
Onion	80	35	46	5327	13	*	*	*
Potatoes	*	*	*	2045	8	*	*	*
Garlic	8	5	*	3133	3	*	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-
Other Temporary	*	5	-	1638	*	-	-	-
Permanent crops	75	*		4221	*			
Avocado	*	*		*	*			
Bananas	*	*		*	*			
Guava	*	*		3392	*			
Lemons	*	-		-	-			
Mangoes	*	*		-	-			
Oranges	*	*		1466	*			
Papayas	*	-		-	-			
Pineapples	-	-		-	-			
Stimulant	197	73		17803	50			
Chat	-	-		-	-			
Coffee	*	*		*	*			
Hops / 'Geshe'	195	72		17644	50			
Enset	-	-		-	-			
Sugar cane	-	-		-	-			
Other permanent	5028	*		9239	*			

(Table 1.1.3 cont'd.)

East Tigray

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	43048	7418	5304	89177	35234	*	153124	90566	117891
Cereals	35139	6890	4790	88589	34458	*	148088	75015	105224
Teff	8438	1164	524	16969	2468	*	43055	7317	4742
Barley	11748	2031	2086	70308	11868	*	134711	30839	51808
Wheat	10186	1023	931	79741	17144	*	111446	24468	41907
Maize	13357	473	317	6944	538	*	60124	3613	2829
Sorghum	7514	707	398	5205	*	*	27593	4665	2142
Finger millet	11594	1492	535	9316	1519	*	28669	4096	1787
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	*	*	*	*	*	*
Pulses	6751	345	302	9022	487	*	83390	9158	12019
Horse / Faba beans	5238	219	185	6032	281	-	48595	2292	4195
Field Peas	*	*	*	2058	96	*	24116	1633	2374
Haricot beans	-	-	-	-	-	-	*	*	*
Chick peas	-	-	-	-	-	-	6751	1035	1103
Lentils	-	-	-	*	*	-	8972	734	806
Vetch / Grass peas	-	-	-	-	-	-	20104	3300	3332
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	*	*	*	*	*	-	13813	111	147
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	1622	114	*	*	*	-	20592	1268	649
Neug	-	-	-	-	-	-	-	-	-
Linseed	1346	*	23	-	-	-	19734	1242	643
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	*	*	*	*	*	-	*	*	*
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	*	*	*
Vegetables	3207	*	*	2360	*	-	18772	182	-
Lettuce	*	*	*	-	-	-	1315	*	-
Head cabbage	*	*	*	*	*	-	2364	*	-
Ethiopian cabbage	*	*	*	*	*	-	4167	8	-
Tomatoes	*	*	*	*	*	-	5990	*	-
Green peppers	1135	*	*	*	*	-	5704	*	-
Red peppers	1148	*	*	*	*	-	*	*	-
Swiss chard	-	-	-	*	*	-	2719	4	-
Root crops	6205	20	64	4920	*	-	24659	362	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	*	*	*	-	-	-	*	*	-
Onion	*	*	*	*	*	-	19777	80	-
Potatoes	*	*	*	*	*	-	7087	*	-
Garlic	*	*	*	*	*	-	6944	8	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other									
Temporary	-	-	-	*	*	-	5830	*	-
Permanent crops							9330	*	
Avocado							*	*	
Bananas							*	*	
Guava							6977	*	
Lemons							*	*	
Mangoes							*	*	
Oranges							2635	*	
Papayas							*	*	
Pineapples							-	-	
Stimulant							40872	176	
Chat							-	-	
Coffee							1483	*	
Hops / 'Geshe'							40595	175	
Enset							-	-	
Sugar cane							-	-	
Other permanent							66638	4337	

(Table 1.1.3 Cont'd.)

East Tigray

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	38,839	4,553	12,158	12,731	4,063	40,253	1,853	99,495	46,788
Cereals	32,998	4,475	12,158	12,731	4,039	7,274	1,341	98,374	43,597
Teff	*	*	*	1,124	*	*	*	25,865	4,725
Barley	*	*	*	9,065	1,064	2,036	*	77,402	16,096
Wheat	31,699	4,135	11,658	10,289	2,888	3,209	*	78,918	17,491
Maize	*	*	*	-	-	*	*	27,566	1,706
Sorghum	*	*	*	*	*	-	-	11,306	1,494
Finger millet	*	*	*	-	-	*	*	12,666	*
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	*	*
Pulses	*	*	-	*	*	3,181	*	26,093	2,468
Horse / Faba beans	-	-	-	-	-	*	*	16,573	942
Field Peas	-	-	-	*	*	-	-	8,936	761
Haricot beans	-	-	-	-	-	-	-	*	*
Chick peas	-	-	-	-	-	-	-	*	*
Lentils	-	-	-	-	-	-	-	*	*
Vetch / Grass peas	*	*	-	-	-	*	*	3,337	509
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	*	*	1,108	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	*	*
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	*	*	-	-	-	9,086	121	5,000	98
Lettuce	-	-	-	-	-	*	*	*	*
Head cabbage	*	*	-	-	-	1,683	*	*	*
Ethiopian cabbage	-	-	-	-	-	*	*	*	*
Tomatoes	-	-	-	-	-	3,863	*	1,254	*
Green peppers	-	-	-	-	-	3,170	*	1,202	*
Red peppers	*	*	-	-	-	*	*	*	*
Swiss chard	-	-	-	-	-	1,641	*	*	*
Root crops	*	*	-	-	-	13,636	182	4,001	*
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	*	*	*	*
Onion	-	-	-	-	-	9,904	51	2,661	7
Potatoes	*	*	-	-	-	2,407	*	1,289	*
Garlic	-	-	-	-	-	4,528	6	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other									
Temporary	*	*	-	-	-	1,283	*	*	*
Permanent crops				-	-	9,022	66	3,238	*
Avocado				-	-	*	*	*	*
Bananas				-	-	*	*	*	*
Guava				-	-	7,253	*	2,381	*
Lemons				-	-	*	*	-	-
Mangoes				-	-	*	*	-	-
Oranges				-	-	3,223	4	*	*
Papayas				-	-	*	*	-	-
Pineapples				-	-	-	-	-	-
Stimulant	*	*	-	-	-	2,072	*	*	*
Chat				-	-	-	-	-	-
Coffee	*	*	-	-	-	2,072	*	*	*
Hops / 'Gesho'				-	-	24,692	57	6,059	*
Enset				-	-	-	-	-	-
Sugar cane				-	-	-	-	-	-
Other permanent				-	-	3,202	*	*	*

Table1.1.4 Number of Holders, Inputs Applied Area and Quantity of Inputs used

South Tigray

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	217874	112812	*	113934	25353	22601	7967	*
Cereals	192029	108158	*	90136	23368	21325	7443	*
Teff	42361	20265	*	17141	3307	4457	1200	*
Barley	46630	29036	8781	36637	5344	8386	1622	*
Wheat	51449	34731	10953	19390	3400	12257	3334	4216
Maize	7468	5759	*	44928	3496	*	*	*
Sorghum	43010	17943	*	23363	7734	2743	1073	*
Finger millet	934	389	*	*	*	*	*	*
Oats / 'Aja'	*	*	-	-	-	-	-	-
Rice	*	*	-	*	*	-	-	-
Pulses	17100	2586	548	18281	1286	*	*	*
Horse / Faba beans	3109	1039	*	8968	484	*	*	*
Field Peas	2078	507	*	*	*	*	*	*
Haricot beans	*	*	-	-	-	-	-	-
Chick peas	1501	251	-	1701	251	-	-	-
Lentils	4590	529	*	*	*	*	*	*
Vetch / Grass peas	4082	*	-	*	*	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	569	202	*	6268	108	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	4720	*	*	2424	*	-	-	-
Neug	*	-	-	-	-	-	-	-
Linseed	3039	*	*	2147	*	-	-	-
Groundnuts	*	-	-	-	-	-	-	-
Safflower	*	*	*	*	*	-	-	-
Sesame	*	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-
Vegetables	623	309	*	9508	*	*	*	*
Lettuce	*	*	*	*	*	-	-	-
Head cabbage	*	*	*	2109	*	*	*	*
Ethiopian cabbage	*	*	-	*	*	-	-	-
Tomatoes	*	*	*	1748	*	-	-	-
Green peppers	*	*	*	*	*	*	*	*
Red peppers	217	*	*	3292	*	-	-	-
Swiss chard	*	*	*	*	*	-	-	-
Root crops	1352	1012	801	23031	276	*	*	*
Beetroot	-	-	-	-	-	-	-	-
Carrot	*	*	*	*	*	*	*	*
Onion	*	*	*	4853	*	-	-	-
Potatoes	*	*	*	14733	*	*	*	*
Garlic	368	296	*	7992	55	*	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-
Other Temporary	216	112	*	17233	82	-	-	-
Permanent crops	148	34		3689	*			
Avocado	*	*		-	-			
Bananas	*	-		-	-			
Guava	*	*		*	*			
Lemons	*	-		-	-			
Mangoes	*	*		*	*			
Oranges	*	*		*	*			
Papayas	*	*		1286	*			
Pineapples	-	-		-	-			
Stimulant	*	140		12647	83			
Chat	*	*		*	*			
Coffee	*	*		1507	*			
Hops / 'Gesho'	330	105		12320	70			
Enset	*	*		*	*			
Sugar cane	*	-		-	-			
Other permanent	693	*		4865	*			

(Table 1.1.4 cont'd.)

South Tigray

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	45501	15554	*	102263	63937	*	225287	210979	226483
Cereals	39718	14841	*	100386	62506	*	219853	185843	206567
Teff	14016	3748	*	40002	12010	465	122619	41688	18392
Barley	13303	3314	2574	64994	18755	1121	160478	46497	88142
Wheat	17014	4081	3817	71045	23916	*	139730	46074	82907
Maize	10418	648	*	20775	1519	*	94725	7463	4214
Sorghum	9376	2910	*	12487	*	*	96251	43010	12483
Finger millet	*	*	*	*	*	-	5399	934	247
Oats / 'Aja'	-	-	-	*	*	-	*	*	*
Rice	-	-	-	-	-	-	*	*	-
Pulses	*	*	*	8633	723	*	93875	17078	18342
Horse / Faba beans	*	*	*	3528	197	*	34695	3109	4786
Field Peas	*	*	*	*	*	-	15116	2078	2850
Haricot beans	-	-	-	*	*	-	*	*	*
Chick peas	-	-	-	-	-	-	8120	1501	893
Lentils	-	-	-	3618	317	*	29542	4568	4015
Vetch / Grass peas	-	-	-	-	-	-	21946	4082	4740
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	*	*	*	24631	569	407
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	*	*	*	1157	*	-	29939	4720	1574
Neug	-	-	-	-	-	-	*	*	*
Linseed	*	*	*	*	*	-	24973	3039	1193
Groundnuts	-	-	-	-	-	-	*	*	*
Safflower	*	*	*	*	*	-	*	*	*
Sesame	-	-	-	-	-	-	*	*	*
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	2362	*	63	2787	*	*	26590	521	-
Lettuce	*	*	*	-	-	-	*	*	-
Head cabbage	*	*	*	*	*	-	5257	40	-
Ethiopian cabbage	-	-	-	-	-	-	1837	*	-
Tomatoes	*	*	*	*	*	-	6066	*	-
Green peppers	*	*	*	*	*	*	6913	*	-
Red peppers	*	*	*	*	*	-	9867	203	-
Swiss chard	*	*	*	-	-	-	2528	*	-
Root crops	6593	*	382	11759	312	*	49605	1021	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	*	*	*	*	*	-	*	*	-
Onion	*	*	*	4020	*	*	16137	277	-
Potatoes	*	*	*	2256	40	*	22215	*	-
Garlic	2629	*	*	6616	97	*	24556	368	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other									
Temporary	*	*	*	*	*	*	35206	215	-
Permanent crops							10345	117	
Avocado							*	*	
Bananas							*	*	
Guava							*	*	
Lemons							-	-	
Mangoes							*	*	
Oranges							*	*	
Papayas							2193	*	
Pineapples							-	-	
Stimulant							33544	*	
Chat							*	*	
Coffee							5522	*	
Hops / 'Gesho'							25502	273	
Enset							*	*	
Sugar cane							*	*	
Other permanent							24767	590	

(Table 1.1.4 Cont'd.)

South Tigray

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	32,664	6,408	10,356	23,204	11,812	51,252	8,442	158,357	113,093
Cereals	19,569	5,927	10,356	22,069	11,533	27,376	5,939	152,039	105,047
Teff	2,478	*	241	*	*	7,423	*	68,654	20,135
Barley	-	-	-	*	*	5,120	854	99,511	29,015
Wheat	17,394	5,314	10,115	7,352	*	13,101	2,496	106,818	34,780
Maize	-	-	-	1,272	*	8,391	345	47,315	3,365
Sorghum	-	-	-	*	*	*	*	40,598	17,003
Finger millet	-	-	-	*	*	*	*	4,311	614
Oats / 'Aja'	-	-	-	-	-	-	-	*	*
Rice	-	-	-	-	-	-	-	*	*
Pulses	-	-	-	*	*	9,025	770	30,125	5,464
Horse / Faba beans	-	-	-	-	-	*	*	11,122	797
Field Peas	-	-	-	-	-	*	*	5,662	1,034
Haricot beans	-	-	-	*	*	-	-	*	*
Chick peas	-	-	-	-	-	*	*	1,706	*
Lentils	-	-	-	-	-	*	*	10,174	1,741
Vetch / Grass peas	-	-	-	-	-	*	*	*	*
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	4,805	192	7,055	224
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	*	*	8,632	1,264
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	*	*	7,162	*
Groundnuts	-	-	-	-	-	-	-	*	*
Safflower	-	-	-	-	-	-	-	*	*
Sesame	-	-	-	-	-	-	-	*	*
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	*	*	-	-	-	15,094	417	10,360	328
Lettuce	-	-	-	-	-	*	*	*	*
Head cabbage	*	*	-	-	-	3,903	*	*	*
Ethiopian cabbage	-	-	-	-	-	-	-	*	*
Tomatoes	-	-	-	-	-	3,773	*	*	*
Green peppers	-	-	-	-	-	4,411	*	2,892	*
Red peppers	-	-	-	-	-	5,262	*	3,680	91
Swiss chard	-	-	-	-	-	*	*	*	*
Root crops	*	*	-	-	-	18,781	558	26,644	747
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	*	*	-	-	-	*	*	*	*
Onion	*	*	-	-	-	6,926	*	8,847	*
Potatoes	*	*	-	-	-	2,874	31	9,874	175
Garlic	-	-	-	-	-	11,219	*	10,768	237
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other									
Temporary	-	-	-	-	-	6,296	24	6,444	*
Permanent crops				*	*	11,458	125	5,481	33
Avocado				-	-	*	*	*	*
Bananas				-	-	*	*	*	*
Guava				-	-	4,278	*	*	*
Lemons				-	-	*	*	*	*
Mangoes				-	-	*	*	*	*
Oranges				*	*	*	*	*	*
Papayas				-	-	3,124	*	*	*
Pineapples				-	-	-	-	-	-
Stimulant	*	*	-	-	-	7,825	*	2,905	*
Chat				-	-	*	*	*	*
Coffee	*	*	-	-	-	6,563	*	2,587	*
Hops / 'Gesho'				-	-	16,805	154	9,390	83
Enset				-	-	-	-	-	-
Sugar cane				-	-	*	*	*	*
Other permanent				-	-	2,498	*	2,881	*

Table1.1.5 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Western Tigray

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	143904	44558	6081	54589	12394	8507	7077	3138
Cereals	68461	26077	3321	52023	9643	3107	1683	949
Teff	5450	2332	*	1934	341	*	*	*
Barley	*	*	-	*	*	-	-	-
Wheat	*	*	-	*	*	-	-	-
Maize	5482	4051	*	49451	2991	*	*	*
Sorghum	44940	14109	2140	14692	4950	2374	1109	741
Finger millet	9889	3087	437	4660	723	*	*	*
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	*	*	-	-	-	-	-	-
Pulses	1829	420	-	7170	409	-	-	-
Horse / Faba beans	682	319	-	5307	308	-	-	-
Field Peas	*	*	-	*	*	-	-	-
Haricot beans	*	*	-	*	*	-	-	-
Chick peas	*	-	-	-	-	-	-	-
Lentils	*	*	-	*	*	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	72813	17730	2720	4953	2091	6484	5391	2157
Neug	2191	*	-	*	*	-	-	-
Linseed	89	*	-	*	*	-	-	-
Groundnuts	*	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	70515	17436	2720	3720	1933	6484	5391	2157
Rapeseed	-	-	-	-	-	-	-	-
Vegetables	298	154	*	12646	149	*	*	*
Lettuce	*	*	-	*	*	-	-	-
Head cabbage	*	*	-	*	*	-	-	-
Ethiopian cabbage	*	*	-	*	*	-	-	-
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	*	*	*	4293	*	-	-	-
Red peppers	216	91	*	7505	86	*	*	*
Swiss chard	-	-	-	-	-	-	-	-
Root crops	*	*	-	*	*	-	-	-
Beetroot	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-
Onion	*	*	-	*	*	-	-	-
Potatoes	*	*	-	*	*	-	-	-
Garlic	*	*	-	*	*	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-
Other Temporary	108	32	-	1562	32	-	-	-
Permanent crops	*	*	-	*	*	-	-	-
Avocado	-	-	-	-	-	-	-	-
Bananas	*	*	-	*	*	-	-	-
Guava	*	*	-	*	*	-	-	-
Lemons	*	-	-	-	-	-	-	-
Mangoes	*	*	-	-	-	-	-	-
Oranges	*	-	-	-	-	-	-	-
Papayas	*	*	-	*	*	-	-	-
Pineapples	-	-	-	-	-	-	-	-
Stimulant	100	*	-	1587	*	-	-	-
Chat	*	-	-	-	-	-	-	-
Coffee	*	*	-	*	*	-	-	-
Hops / 'Geshe'	97	*	-	1587	*	-	-	-
Enset	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	-	-	-
Other permanent	*	-	-	-	-	-	-	-

(Table 1.1.5 cont'd.)

Western Tigray

[illegible]

(Table 1.1.5 Cont'd.)

Western Tigray

[illegible]

Table1.2 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Afar Region

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	5510	*	-	*	*	-	-	-
Cereals	4872	*	-	*	*	-	-	-
Teff	-	-	-	-	-	-	-	-
Barley	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-
Maize	4333	*	-	*	*	-	-	-
Sorghum	*	-	-	-	-	-	-	-
Finger millet	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
Pulses	-	-	-	-	-	-	-	-
Horse / Faba beans	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	-	-	-
Chick peas	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-
Vegetables	*	-	-	-	-	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-
Tomatoes	*	-	-	-	-	-	-	-
Green peppers	*	-	-	-	-	-	-	-
Red peppers	*	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
Root crops	*	-	-	-	-	-	-	-
Beetroot	*	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-
Onion	*	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-
Other Temporary	-	-	-	-	-	-	-	-
Permanent crops	17	*	-	*	*	-	-	-
Avocado	-	-	-	-	-	-	-	-
Bananas	*	*	-	*	*	-	-	-
Guava	*	-	-	-	-	-	-	-
Lemons	-	-	-	-	-	-	-	-
Mangoes	*	-	-	-	-	-	-	-
Oranges	-	-	-	-	-	-	-	-
Papayas	*	-	-	-	-	-	-	-
Pineapples	-	-	-	-	-	-	-	-
Stimulant	-	-	-	-	-	-	-	-
Chat	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-
Hops / 'Geshe'	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	-	-	-
Other permanent	507	-	-	-	-	-	-	-

(Table 1.2 cont'd.)

Afar Region

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	-	-	-	-	-	-	17322	4445	2219
Cereals	-	-	-	-	-	-	7286	4051	2219
Teff	-	-	-	-	-	-	-	-	-
Barley	-	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-	-
Maize	-	-	-	-	-	-	6904	3813	2093
Sorghum	-	-	-	-	-	-	*	*	*
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	-	-	-	-	-	-
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	-	-	-	-
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	-	-	-	-	-	-	1862	*	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	-	-	-	-	-	-	483	*	-
Green peppers	-	-	-	-	-	-	*	*	-
Red peppers	-	-	-	-	-	-	857	*	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	-	-	-	-	-	-	*	*	-
Beetroot	-	-	-	-	-	-	*	*	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	*	*	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Temporary	-	-	-	-	-	-	-	-	-
Permanent crops	-	-	-	-	-	-	554	*	-
Avocado	-	-	-	-	-	-	-	-	-
Bananas	-	-	-	-	-	-	*	*	-
Guava	-	-	-	-	-	-	*	*	-
Lemons	-	-	-	-	-	-	-	-	-
Mangoes	-	-	-	-	-	-	*	*	-
Oranges	-	-	-	-	-	-	-	-	-
Papayas	-	-	-	-	-	-	*	*	-
Pineapples	-	-	-	-	-	-	-	-	-
Stimulant	-	-	-	-	-	-	-	-	-
Chat	-	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-	-
Hops / 'Geshe'	-	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	-	-	-	-
Other permanent	-	-	-	-	-	-	8948	277	-

(Table 1.2 Cont'd.)

Afar Region

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	1,029	*	*	-	-	19,173	5,060	*	*
Cereals	*	*	*	-	-	7,830	4,572	*	*
Teff	-	-	-	-	-	-	-	-	-
Barley	-	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-	-
Maize	*	*	*	-	-	7,448	4,333	*	*
Sorghum	-	-	-	-	-	*	*	-	-
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	-	-	-	-	-	-
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	-	-	-	-
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	-	-	-	-	-	1,802	*	-	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	-	-	-	-	-	483	*	-	-
Green peppers	-	-	-	-	-	*	*	-	-
Red peppers	-	-	-	-	-	798	*	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	-	-	-	-	-	*	*	-	-
Beetroot	-	-	-	-	-	*	*	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	*	*	-	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Temporary	-	-	-	-	-	-	-	-	-
Permanent crops	-	-	-	-	-	1,212	17	*	*
Avocado	-	-	-	-	-	-	-	-	-
Bananas	-	-	-	-	-	403	*	*	*
Guava	-	-	-	-	-	*	*	-	-
Lemons	-	-	-	-	-	-	-	-	-
Mangoes	-	-	-	-	-	505	*	-	-
Oranges	-	-	-	-	-	-	-	-	-
Papayas	-	-	-	-	-	538	*	*	*
Pineapples	-	-	-	-	-	-	-	-	-
Stimulant	-	-	-	-	-	-	-	-	-
Chat	-	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-	-
Hops / 'Gescho'	-	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	-	-	-	-
Other permanent	-	-	-	-	-	10,597	359	*	*

Table1.2.1 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Zone 1

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	3474	*	-	*	*	-	-	-
Cereals	2843	*	-	*	*	-	-	-
Teff	-	-	-	-	-	-	-	-
Barley	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-
Maize	*	*	-	*	*	-	-	-
Sorghum	*	-	-	-	-	-	-	-
Finger millet	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
Pulses	-	-	-	-	-	-	-	-
Horse / Faba beans	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	-	-	-
Chick peas	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-
Vegetables	*	-	-	-	-	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-
Tomatoes	*	-	-	-	-	-	-	-
Green peppers	*	-	-	-	-	-	-	-
Red peppers	*	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
Root crops	*	-	-	-	-	-	-	-
Beetroot	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-
Onion	*	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-
Other Temporary	-	-	-	-	-	-	-	-
Permanent crops	17	*	-	*	*	-	-	-
Avocado	-	-	-	-	-	-	-	-
Bananas	*	*	-	*	*	-	-	-
Guava	*	-	-	-	-	-	-	-
Lemons	-	-	-	-	-	-	-	-
Mangoes	*	-	-	-	-	-	-	-
Oranges	-	-	-	-	-	-	-	-
Papayas	*	-	-	-	-	-	-	-
Pineapples	-	-	-	-	-	-	-	-
Stimulant	-	-	-	-	-	-	-	-
Chat	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-
Hops / 'Geshe'	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	-	-	-
Other permanent	505	-	-	-	-	-	-	-

(Table 1.2.1cont'd.)

Zone 1

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	-	-	-	-	-	-	14740	2870	1678
Cereals	-	-	-	-	-	-	4791	2483	1678
Teff	-	-	-	-	-	-	-	-	-
Barley	-	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-	-
Maize	-	-	-	-	-	-	4409	2245	1552
Sorghum	-	-	-	-	-	-	*	*	*
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	-	-	-	-	-	-
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	-	-	-	-
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	-	-	-	-	-	-	1862	*	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	-	-	-	-	-	-	483	*	-
Green peppers	-	-	-	-	-	-	*	*	-
Red peppers	-	-	-	-	-	-	857	*	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	-	-	-	-	-	-	*	*	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	*	*	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Temporary	-	-	-	-	-	-	-	-	-
Permanent crops	-	-	-	-	-	-	554	*	-
Avocado	-	-	-	-	-	-	-	-	-
Bananas	-	-	-	-	-	-	*	*	-
Guava	-	-	-	-	-	-	*	*	-
Lemons	-	-	-	-	-	-	-	-	-
Mangoes	-	-	-	-	-	-	*	*	-
Oranges	-	-	-	-	-	-	-	-	-
Papayas	-	-	-	-	-	-	*	*	-
Pineapples	-	-	-	-	-	-	-	-	-
Stimulant	-	-	-	-	-	-	-	-	-
Chat	-	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-	-
Hops / 'Gesho'	-	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	-	-	-	-
Other permanent	-	-	-	-	-	-	8861	274	-

Table 1.2.1 Cont'd.)

Zone 1

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	851	*	*	-	-	16,413	3,325	*	*
Cereals	*	*	*	-	-	5,157	2,843	*	*
Teff	-	-	-	-	-	-	-	-	-
Barley	-	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-	-
Maize	*	*	*	-	-	4,775	*	*	*
Sorghum	-	-	-	-	-	*	*	-	-
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	-	-	-	-	-	-
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	-	-	-	-
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	-	-	-	-	-	1,802	*	-	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	-	-	-	-	-	483	*	-	-
Green peppers	-	-	-	-	-	*	*	-	-
Red peppers	-	-	-	-	-	798	*	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	-	-	-	-	-	*	*	-	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	*	*	-	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Temporary	-	-	-	-	-	-	-	-	-
Permanent crops	-	-	-	-	-	1,212	17	*	*
Avocado	-	-	-	-	-	-	-	-	-
Bananas	-	-	-	-	-	403	*	*	*
Guava	-	-	-	-	-	*	*	-	-
Lemons	-	-	-	-	-	-	-	-	-
Mangoes	-	-	-	-	-	505	*	-	-
Oranges	-	-	-	-	-	-	-	-	-
Papayas	-	-	-	-	-	538	*	*	*
Pineapples	-	-	-	-	-	-	-	-	-
Chat	-	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-	-
Hops / 'Geshe'	-	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	-	-	-	-
Other permanent	-	-	-	-	-	10,510	357	*	*

Table1.2.2 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Zone 3

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	*	-	-	-	-	-	-	-
Cereals	*	-	-	-	-	-	-	-
Teff	-	-	-	-	-	-	-	-
Barley	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-
Maize	*	-	-	-	-	-	-	-
Sorghum	*	-	-	-	-	-	-	-
Finger millet	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
Pulses	-	-	-	-	-	-	-	-
Horse / Faba beans	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	-	-	-
Chick peas	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-
Vegetables	-	-	-	-	-	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-
Tomatoes	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	-	-	-
Red peppers	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
Root crops	*	-	-	-	-	-	-	-
Beetroot	*	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-
Onion	*	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-
Other Temporary	-	-	-	-	-	-	-	-
Permanent crops	-	-	-	-	-	-	-	-
Avocado	-	-	-	-	-	-	-	-
Bananas	-	-	-	-	-	-	-	-
Guava	-	-	-	-	-	-	-	-
Lemons	-	-	-	-	-	-	-	-
Mangoes	-	-	-	-	-	-	-	-
Oranges	-	-	-	-	-	-	-	-
Papayas	-	-	-	-	-	-	-	-
Pineapples	-	-	-	-	-	-	-	-
Chat	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-
Hops / 'Geshe'	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	-	-	-
Other permanent	*	-	-	-	-	-	-	-

(Table 1.2.2 cont'd.)

Zone 3

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	-	-	-	-	-	-	*	*	*
Cereals	-	-	-	-	-	-	*	*	*
Teff	-	-	-	-	-	-	-	-	-
Barley	-	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-	-
Maize	-	-	-	-	-	-	*	*	*
Sorghum	-	-	-	-	-	-	-	-	-
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	-	-	-	-	-	-
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	-	-	-	-
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	-	-	-	-	-	-	-	-	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	-	-	-	-
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	-	-	-	-	-	-	*	*	-
Beetroot	-	-	-	-	-	-	*	*	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	*	*	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Temporary	-	-	-	-	-	-	-	-	-
Permanent crops	-	-	-	-	-	-	-	-	-
Avocado	-	-	-	-	-	-	-	-	-
Bananas	-	-	-	-	-	-	-	-	-
Guava	-	-	-	-	-	-	-	-	-
Lemons	-	-	-	-	-	-	-	-	-
Mangoes	-	-	-	-	-	-	-	-	-
Oranges	-	-	-	-	-	-	-	-	-
Papayas	-	-	-	-	-	-	-	-	-
Pineapples	-	-	-	-	-	-	-	-	-
Stimulant	-	-	-	-	-	-	-	-	-
Chat	-	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-	-
Hops / 'Gesho'	-	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	-	-	-	-
Other permanent	-	-	-	-	-	-	*	*	-

(Table 1.2.2 Cont'd.)

Zone 3

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	*	*	*	-	-	*	*	*	*
Cereals	*	*	*	-	-	*	*	*	*
Teff	-	-	-	-	-	-	-	-	-
Barley	-	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-	-
Maize	*	*	*	-	-	*	*	*	*
Sorghum	-	-	-	-	-	-	-	-	-
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	-	-	-	-	-	-
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	-	-	-	-
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	-	-	-	-	-	-	-	-	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	-	-	-	-
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	-	-	-	-	-	*	*	-	-
Beetroot	-	-	-	-	-	*	*	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	*	*	-	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Temporary	-	-	-	-	-	-	-	-	-
Permanent crops	-	-	-	-	-	-	-	-	-
Avocado	-	-	-	-	-	-	-	-	-
Bananas	-	-	-	-	-	-	-	-	-
Guava	-	-	-	-	-	-	-	-	-
Lemons	-	-	-	-	-	-	-	-	-
Mangoes	-	-	-	-	-	-	-	-	-
Oranges	-	-	-	-	-	-	-	-	-
Papayas	-	-	-	-	-	-	-	-	-
Pineapples	-	-	-	-	-	-	-	-	-
Stimulant	-	-	-	-	-	-	-	-	-
Chat	-	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-	-
Hops / 'Gescho'	-	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	-	-	-	-
Other permanent	-	-	-	-	-	*	*	-	-

Table1.3 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Amhara Region

Crop type	All	All Fertilizers		Natural		DAP		
	Crop Area	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	4446103	2030525	945811	2770597	525779	686440	359047	410338
Cereals	3252574	1783676	727287	2136081	395241	626869	323054	331975
Teff	1003381	664989	409519	245844	49268	364441	148766	136068
Barley	303760	115747	29461	507931	67594	89883	21871	23093
Wheat	460165	301309	73813	347483	43849	118053	26108	37247
Maize	494625	428026	70724	1492089	139161	144004	23465	32129
Sorghum	733018	118805	*	345788	87822	12258	1985	*
Finger millet	230614	150292	102109	49287	6568	237733	100855	97231
Oats / 'Aja'	2534	692	*	13193	519	*	*	*
Rice	24477	*	*	*	*	-	-	-
Pulses	721046	109417	40157	611010	67386	157828	24040	33934
Horse / Faba beans	197241	62913	23712	415385	41592	108632	13430	21302
Field Peas	79885	17282	6873	101281	7487	55908	8460	6532
Haricot beans	79840	8264	*	96630	6514	*	*	*
Chick peas	131859	6785	*	36022	4924	2131	*	*
Lentils	64315	5193	*	49340	3027	2755	*	*
Vetch / Grass peas	111796	2383	*	25756	1924	*	*	*
Soya beans	*	237	*	*	*	*	*	*
Fenugreek	21018	4716	173	77651	1377	*	*	*
Gibto	33775	1643	1000	6512	468	8397	412	866
Oilseeds	313536	40692	33373	366868	15966	75641	6159	22143
Neug	97352	6412	1786	21160	2427	9931	*	1281
Linseed	36885	3604	973	50899	2868	*	*	*
Groundnuts	2164	*	*	*	*	*	*	*
Safflower	6005	2221	*	28155	925	*	*	*
Sesame	140806	3512	769	31497	2814	*	*	*
Rapeseed	30324	24520	25978	253977	6511	60825	3227	19751
Vegetables	45297	36724	17555	897699	9556	35554	1261	1536
Lettuce	29	*	*	6715	*	-	-	-
Head cabbage	992	584	*	66331	271	*	*	*
Ethiopian cabbage	1308	1103	*	193457	1065	*	*	*
Tomatoes	893	*	*	30907	*	*	*	*
Green peppers	1754	940	*	150086	743	*	*	*
Red peppers	40269	33598	*	534755	7085	30591	1213	1369
Swiss chard	53	34	-	17106	34	-	-	-
Root crops	39798	25530	*	841517	11720	69528	3367	9092
Beetroot	480	148	*	43805	116	*	*	*
Carrot	211	58	-	15420	58	-	-	-
Onion	12175	7311	*	146203	1826	4439	85	139
Potatoes	21353	13954	9359	260306	7408	51699	3137	8544
Garlic	5013	3631	*	528707	1891	14240	142	392
Taro 'Godere'	*	*	-	*	*	-	-	-
Sweet potatoes	562	423	*	30455	416	-	-	-
Other Temporary	29626	12553	*	570635	6139	16125	*	*
Permanent crops	3888	1583		162104	1473			
Avocado	87	79		14594	78			
Bananas	1206	340		51216	336			
Guava	411	183		32311	172			
Lemons	371	*		20079	*			
Mangoes	214	91		29107	81			
Oranges	1369	677		64982	596			
Papayas	228	67		28285	64			
Pineapples	*	*		*	*			
Stimulant	31809	16323		656096	14722			
Chat	7840	4103		111513	3634			
Coffee	8932	4889		174525	4711			
Hops / 'Geshe'	15037	7331		531641	6377			
Enset	*	-		-	-			
Sugar cane	2241	847		28753	621			
Other permanent	*	*		98791	*			

(Table 1.3 cont'd.)

Amhara Region

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	602378	149055	470343	1717545	996643	65129	4043246	4139303	3029969
Cereals	481574	139238	340128	1671816	926142	55185	3868497	2955145	2186396
Teff	251388	80174	249756	897746	386780	23696	2337008	979504	502023
Barley	27969	3603	2755	138272	22679	3613	1391109	302078	511044
Wheat	74832	12285	11336	677704	219067	*	1495807	436835	751152
Maize	156267	20212	36762	807583	245187	1833	2244315	249150	90002
Sorghum	46357	11549	*	70168	17449	*	1536117	730859	168938
Finger millet	48043	8792	4143	111231	34078	*	691168	230019	117259
Oats / 'Aja'	*	*	*	*	*	-	42370	2534	3775
Rice	*	*	*	3417	*	-	55233	24166	42204
Pulses	39116	1993	3524	166936	15998	*	2484769	719072	776842
Horse / Faba beans	17234	611	*	101071	7280	*	1419599	196976	297032
Field Peas	3350	*	*	18573	1066	*	634884	79835	93468
Haricot beans	7829	247	602	14643	648	*	442062	79128	68026
Chick peas	*	*	*	*	*	*	579323	131386	124428
Lentils	3771	293	245	10372	*	*	464253	64270	57076
Vetch / Grass peas	-	-	-	*	*	*	516122	111467	107964
Soya beans	*	*	*	*	*	-	11304	*	*
Fenugreek	4734	230	120	29085	3031	*	323585	20986	13004
Gibto	*	*	*	9008	632	-	151266	33775	14809
Oilseeds	41245	1742	*	255556	16825	*	1658332	311784	66730
Neug	*	*	*	20265	1181	*	501791	96812	18328
Linseed	*	*	*	6819	*	*	472950	36758	13150
Groundnuts	-	-	-	-	-	-	19539	2164	*
Safflower	8496	370	*	14016	*	*	120663	6004	*
Sesame	4920	213	739	6560	*	-	384135	140095	18663
Rapeseed	23506	875	*	218505	13907	*	582410	29952	*
Vegetables	135055	2474	*	211892	23433	*	1665559	44028	-
Lettuce	*	*	*	*	*	-	10983	29	-
Head cabbage	9793	*	*	8216	*	*	128718	948	-
Ethiopian cabbage	5919	17	*	*	*	-	268473	1304	-
Tomatoes	*	*	*	3014	*	*	69698	883	-
Green peppers	8257	49	138	10870	122	*	258885	1736	-
Red peppers	113351	2152	*	193940	23148	*	1119759	39076	-
Swiss chard	-	-	-	-	-	-	31737	52	-
Root crops	87248	1884	*	172488	8558	*	1525140	39559	-
Beetroot	*	*	*	3253	*	-	77168	452	-
Carrot	-	-	-	-	-	-	39710	178	-
Onion	27376	1307	*	65843	4093	*	362122	12084	-
Potatoes	7332	246	397	47859	3163	*	517806	21275	-
Garlic	56917	318	*	77892	1279	*	932958	5008	-
Taro 'Godere'	-	-	-	-	-	-	*	*	-
Sweet potatoes	*	*	*	-	-	-	44999	557	-
Other									
Temporary	35731	1331	*	62361	4120	*	1010294	29558	-
Permanent crops							288258	3333	
Avocado							9250	42	
Bananas							96157	1142	
Guava							49882	311	
Lemons							49439	352	
Mangoes							38928	121	
Oranges							109092	1168	
Papayas							68820	197	
Pineapples							*	*	
Stimulant							1216149	28617	
Chat							176650	7462	
Coffee							285877	7318	
Hops / 'Gesho'							1058389	13837	
Enset							*	*	
Sugar cane							77959	2152	
Other permanent							192102	*	

(Table 1.3 Cont'd.)

Amhara Region

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	949,214	301,209	120,022	562,771	273,437	487,832	41,228	1,806,567	1,239,970
Cereals	905,426	295,094	118,016	466,772	231,788	113,934	16,188	1,742,397	1,104,998
Teff	61,031	23,307	7,992	232,203	98,806	18,314	3,419	959,272	416,009
Barley	5,472	866	*	34,537	6,562	18,492	2,066	274,361	54,152
Wheat	110,478	23,210	51,264	143,238	51,649	15,023	1,435	625,434	177,263
Maize	806,739	245,174	56,016	53,369	7,791	66,614	3,476	1,031,010	300,390
Sorghum	4,469	1,631	161	65,800	26,349	25,883	*	92,951	31,258
Finger millet	2,337	*	*	107,056	40,147	5,982	366	303,566	122,405
Oats / 'Aja'	-	-	-	*	*	*	*	3,893	112
Rice	*	*	*	*	*	-	-	*	*
Pulses	12,607	1,655	1,696	90,457	30,397	26,632	2,851	401,561	65,748
Horse / Faba beans	4,088	247	510	14,871	3,895	6,002	339	262,368	29,003
Field Peas	*	*	*	6,727	969	2,571	*	79,869	9,074
Haricot beans	3,677	711	*	28,271	*	2,675	*	45,454	5,882
Chick peas	3,536	463	507	22,817	7,257	4,212	*	27,665	6,362
Lentils	*	*	*	17,663	4,211	*	*	28,787	4,649
Vetch / Grass peas	*	*	*	*	*	5,090	*	25,010	*
Soya beans	*	*	*	-	-	-	-	6,825	*
Fenugreek	-	-	-	*	*	4,164	*	23,927	1,199
Gibto	-	-	-	*	*	-	-	20,486	2,892
Oilseeds	9,128	1,683	311	17,161	1,533	12,014	389	351,154	29,675
Neug	*	*	*	3,228	*	3,107	*	31,800	7,970
Linseed	*	*	*	5,177	*	*	*	24,230	1,213
Groundnuts	-	-	-	-	-	-	-	*	*
Safflower	-	-	-	*	*	*	*	21,377	768
Sesame	*	*	*	5,076	912	*	*	8,446	1,304
Rapeseed	*	*	*	*	*	4,773	*	289,182	18,059
Vegetables	19,201	*	-	16,280	468	163,718	2,319	310,772	22,059
Lettuce	*	*	-	-	-	*	*	-	-
Head cabbage	*	*	-	*	*	35,172	*	19,459	*
Ethiopian cabbage	*	*	-	3,404	*	20,178	164	9,836	23
Tomatoes	*	*	-	*	*	15,748	*	7,186	*
Green peppers	*	*	-	*	*	50,899	410	13,243	68
Red peppers	7,673	*	-	8,590	361	83,477	1,084	273,450	21,371
Swiss chard	*	*	-	*	*	4,698	*	*	*
Root crops	17,178	236	-	26,555	*	170,442	8,187	261,126	8,348
Beetroot	*	*	-	*	*	12,960	52	15,109	97
Carrot	*	*	-	-	-	9,488	70	*	*
Onion	3,879	*	-	23,979	*	80,584	4,552	36,065	984
Potatoes	*	*	-	*	*	50,329	2,814	112,211	5,872
Garlic	*	*	-	4,292	*	59,890	647	131,077	1,375
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	-	-	-	5,909	*	*	*
Other									
Temporary	5,198	*	-	*	*	56,198	*	123,291	4,522
Permanent crops				3,730	*	130,735	1,746	37,475	491
Avocado				*	*	7,696	24	3,857	*
Bananas				-	-	65,990	863	16,076	*
Guava				-	-	23,951	160	9,527	69
Lemons				*	*	16,682	*	*	*
Mangoes				*	*	21,901	73	13,507	61
Oranges				2,392	*	36,315	394	6,664	*
Papayas				*	*	25,394	65	5,904	23
Pineapples				-	-	-	-	-	-
Stimulant	27,346	*	-	9,750	528	137,171	4,470	42,552	1,569
Chat				9,273	522	47,280	1,580	12,922	*
Coffee	26,696	*	-	*	*	114,647	2,890	35,277	*
Hops / 'Gesho'				2,895	*	150,296	1,874	116,834	1,655
Enset				-	-	-	-	-	-
Sugar cane				*	*	50,500	1,354	13,878	*
Other permanent				*	*	26,947	136	13,098	*

Table1.3.1 Number of Holders, Inputs Applied Area and Quantity of Inputs used

North Gondar

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	868919	219507	27646	403656	73942	55333	22739	17378
Cereals	611432	192397	23216	344179	57564	49371	20593	15085
Teff	123183	64757	10006	21169	3576	24001	10334	7620
Barley	49111	13769	*	61297	7863	*	*	*
Wheat	73030	25363	1126	67224	12586	3353	*	*
Maize	63939	52890	4410	252962	23481	14455	1302	913
Sorghum	238262	13459	458	30025	*	*	*	*
Finger millet	62441	21628	*	10096	2095	*	*	*
Oats / 'Aja'	251	*	-	*	*	-	-	-
Rice	*	*	-	-	-	-	-	-
Pulses	99830	6722	*	47785	5319	*	*	*
Horse / Faba beans	26523	4071	*	33525	2734	*	*	*
Field Peas	10170	714	-	9781	714	-	-	-
Haricot beans	*	*	-	*	*	-	-	-
Chick peas	42489	*	-	*	*	-	-	-
Lentils	8065	*	-	*	*	-	-	-
Vetch / Grass peas	6315	*	-	*	*	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	*	*	*	4079	*	*	*	*
Gibto	-	-	-	-	-	-	-	-
Oilseeds	121608	1947	*	48812	1046	*	*	*
Neug	19866	*	-	*	*	-	-	-
Linseed	6169	*	-	*	*	-	-	-
Groundnuts	-	-	-	-	-	-	-	-
Safflower	*	*	*	*	*	-	-	-
Sesame	92410	*	-	*	*	-	-	-
Rapeseed	1528	972	*	42486	590	*	*	*
Vegetables	7684	4559	688	122562	1834	10012	260	333
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	*	*	*	*	*	-	-	-
Ethiopian cabbage	*	*	-	*	*	-	-	-
Tomatoes	42	*	-	-	-	-	-	-
Green peppers	390	*	*	*	*	*	*	*
Red peppers	7091	4231	644	83591	1566	8125	*	310
Swiss chard	*	*	-	*	*	-	-	-
Root crops	5726	3837	*	93722	1689	*	*	*
Beetroot	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-
Onion	*	*	*	12301	*	*	*	*
Potatoes	2912	1718	*	58050	1199	*	*	*
Garlic	1234	*	277	44720	284	5433	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	*	*	*	-	-	-
Other Temporary	16255	5692	*	70544	*	*	*	*
Permanent crops	*	*	*	*	*			
Avocado	-	-	-	-	-			
Bananas	*	-	-	-	-			
Guava	*	*	*	*	*			
Lemons	*	*	*	*	*			
Mangoes	*	*	*	*	*			
Oranges	*	*	*	*	*			
Papayas	*	*	*	*	*			
Pineapples	-	-	-	-	-			
Stimulant	*	*	*	37841	*			
Chat	-	-	-	-	-			
Coffee	*	*	*	*	*			
Hops / 'Gescho'	2512	*	*	37841	*			
Enset	-	-	-	-	-			
Sugar cane	-	-	-	-	-			
Other permanent	*	*	*	*	*			

(Table 1.3.1 Cont'd.)

North Gondar

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	118,589	26,148	8,397	61,571	31,672	40,877	2,162	226,659	110,072
Cereals	116,066	25,733	8,062	53,046	24,301	*	727	220,864	103,787
Teff	*	*	*	*	*	*	*	81,546	34,637
Barley	*	*	*	*	*	*	*	40,565	7,720
Wheat	6,583	1,088	1,606	*	*	*	*	52,651	11,190
Maize	110,980	22,325	5,324	25,675	2,524	*	*	144,830	27,701
Sorghum	-	-	-	*	*	-	-	*	*
Finger millet	-	-	-	*	*	-	-	38,287	12,759
Oats / 'Aja'	-	-	-	-	-	-	-	*	*
Rice	*	*	*	*	*	-	-	*	*
Pulses	2,678	*	335	*	*	*	*	19,207	1,767
Horse / Faba beans	-	-	-	*	*	-	-	14,636	1,304
Field Peas	-	-	-	*	*	-	-	*	*
Haricot beans	-	-	-	*	*	-	-	-	-
Chick peas	2,678	*	335	*	*	-	-	*	*
Lentils	-	-	-	*	*	-	-	*	*
Vetch / Grass peas	-	-	-	*	*	*	*	*	*
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	*	*	*	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	*	*	-	-	22,737	564
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	*	*
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	*	*	-	-	*	*
Sesame	-	-	-	*	*	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	19,336	430
Vegetables	*	*	-	*	*	27,339	321	38,662	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	*	*	*	*	-	-
Ethiopian cabbage	-	-	-	-	-	*	*	*	*
Tomatoes	*	*	-	*	*	*	*	*	*
Green peppers	*	*	-	*	*	*	*	-	-
Red peppers	-	-	-	-	-	9,748	95	37,325	*
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	-	*	*	*	*	39,004	*
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	*	*	-	*	*	*	*	4,914	*
Potatoes	-	-	-	-	-	*	*	*	*
Garlic	-	-	-	*	*	*	*	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	-	-	-	*	*	*	*
Other									
Temporary	-	-	-	*	*	*	*	22,182	*
Permanent crops				-	-	*	*	*	*
Avocado				-	-	-	-	-	-
Bananas				-	-	*	*	-	-
Guava				-	-	*	*	*	*
Lemons				-	-	*	*	-	-
Mangoes				-	-	*	*	*	*
Oranges				-	-	*	*	-	-
Papayas				-	-	*	*	-	-
Pineapples				-	-	-	-	-	-
Stimulant	-	-	-	-	-	*	*	*	*
Chat				-	-	-	-	-	-
Coffee	-	-	-	-	-	*	*	*	*
Hops / 'Gescho'				-	-	*	*	12,427	258
Enset				-	-	-	-	-	-
Sugar cane				-	-	-	-	-	-
Other permanent				-	-	*	*	*	*

Table1.3.2 Number of Holders, Inputs Applied Area and Quantity of Inputs used

South Gondar

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	515098	173181	45781	309374	43072	44545	21061	*
Cereals	362469	159974	39682	268606	33914	43079	19844	*
Teff	126360	67600	20891	13743	2155	21343	*	*
Barley	27617	6435	848	25120	2530	*	*	*
Wheat	72550	34224	4760	42284	5095	*	*	*
Maize	39656	29704	*	229359	22848	*	*	*
Sorghum	41794	*	*	6662	623	-	-	-
Finger millet	31674	17504	*	*	*	23844	*	*
Oats / 'Aja'	*	*	*	*	*	*	*	*
Rice	22758	*	*	*	*	-	-	-
Pulses	109138	2974	*	33898	2268	*	*	*
Horse / Faba beans	14708	1350	*	25088	1136	*	*	*
Field Peas	12073	*	*	*	*	*	*	*
Haricot beans	*	*	-	5080	*	-	-	-
Chick peas	20358	*	*	*	*	*	*	*
Lentils	5635	-	-	-	-	-	-	-
Vetch / Grass peas	35949	*	-	*	*	-	-	-
Soya beans	*	-	-	-	-	-	-	-
Fenugreek	237	*	-	*	*	-	-	-
Gibto	*	501	*	*	*	*	*	*
Oilseeds	31737	4304	*	72778	2805	*	*	*
Neug	18370	258	*	*	*	*	*	*
Linseed	8083	340	*	*	*	-	-	-
Groundnuts	-	-	-	-	-	-	-	-
Safflower	*	*	*	*	*	-	-	-
Sesame	*	-	-	-	-	-	-	-
Rapeseed	4656	3639	*	68197	2489	*	*	*
Vegetables	1883	1237	668	34693	244	2351	*	*
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	*	*	-	-	-
Ethiopian cabbage	*	*	-	*	*	-	-	-
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	*	*	-	*	*	-	-	-
Red peppers	1866	1222	668	28805	230	2351	*	*
Swiss chard	*	*	-	*	*	-	-	-
Root crops	7231	3829	434	128858	3136	4711	*	*
Beetroot	*	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-
Onion	*	*	*	5226	*	*	*	*
Potatoes	5816	3199	*	48349	2820	*	*	*
Garlic	710	384	90	94285	286	*	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	*	*	*	-	-	-
Other Temporary	905	398	*	58807	267	*	*	*
Permanent crops	*	*		*	*			
Avocado	-	-	-	-	-			
Bananas	*	*	*	*	*			
Guava	*	*	*	*	*			
Lemons	*	*	*	*	*			
Mangoes	*	*	*	*	*			
Oranges	*	*	*	*	*			
Papayas	*	*	*	*	*			
Pineapples	-	-	-	-	-			
Stimulant	1503	446		56928	418			
Chat	*	*		*	*			
Coffee	*	*		3257	*			
Hops / 'Gescho'	1206	401		56455	373			
Enset	-	-		-	-			
Sugar cane	*	-		-	-			
Other permanent	17	*		3723	*			

(Table 1.3.2 cont'd.)

South Gondar

South Gondar	UREA			UREA + DAP			INDIGENOUS SEED		
Crop type	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	78409	21936	13012	127871	87112	*	410893	507544	430217
Cereals	68862	20608	10957	126483	85608	*	402164	355246	315215
Teff	39263	11305	5722	98892	45608	*	288166	125637	83672
Barley	3278	365	285	21273	3007	-	135624	27394	41454
Wheat	7390	1399	791	53984	26200	*	203053	70766	105028
Maize	14368	2138	*	25267	*	*	286904	35165	15525
Sorghum	*	*	*	*	*	-	126454	41794	16434
Finger millet	11409	2443	855	16470	*	*	110136	31674	13699
Oats / 'Aja'	-	-	-	-	-	-	*	*	*
Rice	*	*	*	*	*	-	41617	22758	*
Pulses	*	*	*	7412	428	-	295834	109138	107083
Horse / Faba beans	*	*	*	*	*	-	127791	14708	18266
Field Peas	-	-	-	*	*	-	69488	12073	14631
Haricot beans	-	-	-	-	-	-	42908	*	*
Chick peas	-	-	-	-	-	-	88212	20358	18589
Lentils	-	-	-	-	-	-	30963	5635	3919
Vetch / Grass peas	-	-	-	-	-	-	114278	35949	32857
Soya beans	-	-	-	-	-	-	*	*	*
Fenugreek	-	-	-	-	-	-	8632	237	*
Gibto	*	*	*	*	*	-	40097	*	3704
Oilseeds	*	*	*	8294	279	*	212283	31737	7919
Neug	*	*	*	*	*	-	86339	18370	4580
Linseed	*	*	*	*	*	-	82513	8083	2791
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	*	*	*	-	-	-	7439	*	*
Sesame	-	-	-	-	-	-	*	*	*
Rapeseed	*	*	*	6868	*	*	110910	4656	355
Vegetables	21093	515	656	12564	*	-	94070	1876	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	*	*	-
Ethiopian cabbage	-	-	-	-	-	-	*	*	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	-	-	-	*	*	-
Red peppers	21093	515	656	12564	*	-	87325	1859	-
Swiss chard	-	-	-	-	-	-	*	*	-
Root crops	8323	*	*	8247	*	-	194182	7228	-
Beetroot	-	-	-	-	-	-	*	*	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	*	*	*	*	*	-	11110	*	-
Potatoes	*	*	*	*	*	-	81361	5812	-
Garlic	6826	*	86	*	*	-	142025	710	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	*	-	-	-	*	*	-
Other									
Temporary	6769	*	*	*	*	-	102464	905	-
Permanent crops							*	*	
Avocado							-	-	
Bananas							*	*	
Guava							*	*	
Lemons							*	*	
Mangoes							-	-	
Oranges							*	*	
Papayas							*	*	
Pineapples							-	-	
Stimulant							124894	1195	
Chat							3432	*	
Coffee							6945	*	
Hops / 'Gesho'							123905	1016	
Enset							-	-	
Sugar cane							*	*	
Other permanent							5099	11	

Table 1.3.2 Cont'd.)

South Gondar

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	37,801	6,997	5,093	54,673	27,036	36,406	1,650	172,095	104,104
Cereals	36,411	6,984	5,093	54,215	26,863	*	*	169,645	99,862
Teff	*	*	*	39,801	16,726	-	-	120,665	50,570
Barley	*	*	*	*	*	-	-	20,064	2,860
Wheat	6,594	1,784	2,801	13,116	4,363	-	-	63,113	27,002
Maize	26,977	4,430	1,279	*	*	*	*	54,246	7,368
Sorghum	-	-	-	*	*	-	-	5,128	*
Finger millet	-	-	-	*	*	*	*	23,706	7,533
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	*	*
Pulses	-	-	-	-	-	*	*	18,633	1,291
Horse / Faba beans	-	-	-	-	-	-	-	9,185	245
Field Peas	-	-	-	-	-	-	-	*	*
Haricot beans	-	-	-	-	-	-	-	*	*
Chick peas	-	-	-	-	-	*	*	*	*
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	*	*	*	*
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	*	*	*	*
Gibto	-	-	-	-	-	-	-	6,058	433
Oilseeds	-	-	-	*	*	-	-	31,804	1,519
Neug	-	-	-	-	-	-	-	*	*
Linseed	-	-	-	*	*	-	-	*	*
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	*	*
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	*	*	-	-	27,148	1,091
Vegetables	*	*	-	-	-	*	*	19,613	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	*	*	*	*
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	*	*	-	-
Red peppers	*	*	-	-	-	*	*	19,184	*
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	-	*	*	9,558	*	17,356	*
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	*	*	*	*	*	*
Potatoes	*	*	-	-	-	-	-	*	*
Garlic	-	-	-	-	-	*	129	11,682	*
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other									
Temporary	-	-	-	*	*	*	*	7,690	*
Permanent crops				-	-	*	*	*	*
Avocado				-	-	-	-	-	-
Bananas				-	-	*	*	*	*
Guava				-	-	-	-	-	-
Lemons				-	-	*	*	-	-
Mangoes				-	-	*	*	-	-
Oranges				-	-	*	*	-	-
Papayas				-	-	-	-	-	-
Pineapples				-	-	-	-	-	-
Stimulant	-	-	-	*	*	*	*	*	*
Chat				*	*	*	*	-	-
Coffee	-	-	-	-	-	*	*	*	*
Hops / 'Gesho'				-	-	15,007	*	5,631	*
Enset				-	-	-	-	-	-
Sugar cane				-	-	*	*	-	-
Other permanent				-	-	*	*	-	-

Table1.3.3 Number of Holders, Inputs Applied Area and Quantity of Inputs used

North Wolo

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	280443	82296	7645	264036	49344	4332	*	*
Cereals	216556	70144	5966	210795	38736	4332	*	*
Teff	57835	20095	3263	29126	5206	*	*	*
Barley	35370	13641	243	95421	11740	*	*	*
Wheat	23349	11064	627	41963	3357	*	*	*
Maize	6090	4579	307	103518	3807	*	*	*
Sorghum	90239	19268	1283	53203	13695	*	*	*
Finger millet	2298	1278	243	11152	713	-	-	-
Oats / 'Aja'	1375	*	-	*	*	-	-	-
Rice	-	-	-	-	-	-	-	-
Pulses	47736	6087	181	69180	5727	-	-	-
Horse / Faba beans	14593	2818	*	39453	2659	-	-	-
Field Peas	8570	944	*	16401	876	-	-	-
Haricot beans	*	73	*	4647	73	-	-	-
Chick peas	4874	570	-	6867	570	-	-	-
Lentils	10535	1010	*	14468	962	-	-	-
Vetch / Grass peas	1900	*	-	*	*	-	-	-
Soya beans	*	-	-	-	-	-	-	-
Fenugreek	*	448	*	15535	394	-	-	-
Gibto	*	-	-	-	-	-	-	-
Oilseeds	10519	2544	*	29103	2329	-	-	-
Neug	1012	*	-	*	*	-	-	-
Linseed	7683	1712	-	20486	1712	-	-	-
Groundnuts	-	-	-	-	-	-	-	-
Safflower	855	459	*	4739	*	-	-	-
Sesame	847	*	-	*	*	-	-	-
Rapeseed	*	*	*	2808	*	-	-	-
Vegetables	1276	842	260	109315	658	-	-	-
Lettuce	*	*	*	*	*	-	-	-
Head cabbage	*	*	*	*	*	-	-	-
Ethiopian cabbage	143	104	*	41953	100	-	-	-
Tomatoes	42	*	-	4982	*	-	-	-
Green peppers	83	68	*	15917	63	-	-	-
Red peppers	960	618	*	53050	463	-	-	-
Swiss chard	8	*	-	*	*	-	-	-
Root crops	1843	1343	*	90536	639	-	-	-
Beetroot	*	*	-	*	*	-	-	-
Carrot	*	*	-	1584	*	-	-	-
Onion	873	590	*	13378	90	-	-	-
Potatoes	409	335	*	28586	279	-	-	-
Garlic	522	389	*	60537	241	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	-	*	*	-	-	-
Other Temporary	617	316	*	43823	302	-	-	-
Permanent crops	238	141		20019	126			
Avocado	*	*		*	*			
Bananas	49	30		6717	30			
Guava	*	*		*	*			
Lemons	*	*		*	*			
Mangoes	8	*		2951	*			
Oranges	*	*		7329	*			
Papayas	*	*		2266	*			
Pineapples	-	-		-	-			
Stimulant	1537	858		57293	808			
Chat	*	*		9574	*			
Coffee	586	367		26602	335			
Hops / 'Geshe'	855	434		47386	417			
Enset	*	-		-	-			
Sugar cane	*	*		*	*			
Other permanent	75	*		5578	*			

(Table 1.3.3 cont'd.)

North Wolo

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	64374	15256	7349	73336	16990	-	366908	277366	181916
Cereals	60113	14182	5669	72111	16520	-	358700	213758	123563
Teff	38938	7906	3134	32303	6426	-	199748	57014	20540
Barley	5059	362	221	10170	*	-	194884	35370	51045
Wheat	10730	852	535	41359	6842	-	136941	21567	29934
Maize	12107	578	297	*	*	-	144230	5895	2634
Sorghum	17678	3960	1239	*	*	-	215694	90239	16542
Finger millet	6577	*	243	*	*	-	28105	2298	1025
Oats / 'Aja'	-	-	-	-	-	-	14585	1375	1842
Rice	-	-	-	-	-	-	-	-	-
Pulses	4694	187	181	*	*	-	219986	47736	54499
Horse / Faba beans	*	*	*	*	*	-	121028	14593	22911
Field Peas	*	*	*	*	*	-	75644	8570	9752
Haricot beans	*	*	*	-	-	-	34693	*	3924
Chick peas	-	-	-	-	-	-	42611	4874	4299
Lentils	*	*	*	-	-	-	87189	10535	9457
Vetch / Grass peas	-	-	-	*	*	-	20935	1900	2008
Soya beans	-	-	-	-	-	-	*	*	*
Fenugreek	1569	*	*	*	*	-	46401	*	*
Gibto	-	-	-	-	-	-	*	*	-
Oilseeds	*	*	*	*	*	-	111426	10519	3854
Neug	-	-	-	*	*	-	16618	1012	160
Linseed	-	-	-	-	-	-	81737	7683	3465
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	*	*	*	-	-	-	14042	855	77
Sesame	-	-	-	-	-	-	14565	847	*
Rapeseed	*	*	*	-	-	-	*	*	*
Vegetables	7264	167	260	*	*	-	145247	1268	-
Lettuce	*	*	*	-	-	-	*	*	-
Head cabbage	*	*	*	*	*	-	*	*	-
Ethiopian cabbage	*	*	*	*	*	-	53568	139	-
Tomatoes	-	-	-	-	-	-	6151	38	-
Green peppers	*	*	*	-	-	-	18703	83	-
Red peppers	5268	*	*	*	*	-	77230	960	-
Swiss chard	-	-	-	-	-	-	6562	8	-
Root crops	9157	*	*	5684	271	-	126362	1761	-
Beetroot	-	-	-	-	-	-	*	*	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	*	*	*	5323	*	-	33379	817	-
Potatoes	*	*	*	*	*	-	35779	393	-
Garlic	*	*	*	*	*	-	83800	522	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	3864	*	-
Other									
Temporary	*	*	*	*	*	-	65276	617	-
Permanent crops							24397	207	
Avocado							*	*	
Bananas							8381	38	
Guava							9052	*	
Lemons							1640	*	
Mangoes							2843	*	
Oranges							10778	*	
Papayas							2660	*	
Pineapples							-	-	
Stimulant							79191	1394	
Chat							12860	*	
Coffee							36507	508	
Hops / 'Geshe'							69303	791	
Enset							*	*	
Sugar cane							4974	*	
Other permanent							15384	68	

Table 1.3.3 Cont'd.)

North Wolo

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	23,973	2,903	*	19,692	*	63,655	6,851	68,417	25,030
Cereals	18,979	2,798	*	16,610	*	29,878	4,712	61,119	21,438
Teff	*	*	*	4,869	*	9,674	*	30,140	6,584
Barley	-	-	-	*	*	*	*	21,928	*
Wheat	*	*	*	*	*	8,561	611	28,656	4,206
Maize	*	*	*	*	*	13,552	*	10,412	367
Sorghum	-	-	-	*	*	9,535	*	22,553	*
Finger millet	-	-	-	-	-	*	*	*	*
Oats / 'Aja'	-	-	-	*	*	*	*	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	3,067	162	7,907	361	*	*
Horse / Faba beans	-	-	-	*	*	3,978	*	*	*
Field Peas	-	-	-	-	-	*	*	*	*
Haricot beans	-	-	-	*	*	*	*	*	*
Chick peas	-	-	-	*	*	1,528	*	*	*
Lentils	-	-	-	*	*	*	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	*	*
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	*	*	*	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	*	*	*	*	*	*
Neug	-	-	-	-	-	*	*	-	-
Linseed	-	-	-	*	*	*	*	3,404	*
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	*	*	-	-	*	*
Sesame	-	-	-	-	-	*	*	-	-
Rapeseed	-	-	-	-	-	-	-	*	*
Vegetables	*	*	-	*	*	31,536	410	15,752	*
Lettuce	-	-	-	-	-	*	*	-	-
Head cabbage	*	*	-	-	-	*	*	*	*
Ethiopian cabbage	*	*	-	*	*	*	*	*	*
Tomatoes	*	*	-	-	-	1,578	*	*	*
Green peppers	-	-	-	-	-	7,883	27	*	*
Red peppers	-	-	-	*	*	20,397	331	13,140	*
Swiss chard	-	-	-	-	-	*	*	-	-
Root crops	1,661	*	-	*	*	24,101	669	14,554	*
Beetroot	-	-	-	-	-	*	*	*	*
Carrot	*	*	-	-	-	1,916	*	*	*
Onion	*	*	-	*	*	10,632	*	*	*
Potatoes	*	*	-	-	-	3,152	64	2,355	59
Garlic	-	-	-	*	*	11,206	*	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	*	*	-	-
Other									
Temporary	-	-	-	-	-	2,612	*	*	*
Permanent crops				-	-	15,361	152	*	*
Avocado				-	-	*	*	*	*
Bananas				-	-	7,998	40	-	-
Guava				-	-	6,161	*	*	*
Lemons				-	-	*	*	-	-
Mangoes				-	-	*	*	*	*
Oranges				-	-	*	*	*	*
Papayas				-	-	*	*	*	*
Pineapples				-	-	-	-	-	-
Stimulant	*	*	-	-	-	20,946	290	3,988	*
Chat				-	-	*	*	*	*
Coffee	*	*	-	-	-	20,070	282	*	*
Hops / 'Gesho'				-	-	20,812	185	*	*
Enset				-	-	-	-	-	-
Sugar cane				-	-	4,322	23	-	-
Other permanent				-	-	*	*	*	*

Table1.3.4 Number of Holders, Inputs Applied Area and Quantity of Inputs used

South Wolo

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	457910	234614	*	448669	92976	26203	4589	3580
Cereals	329318	203866	8496	356578	69222	20094	4036	3005
Teff	103835	76276	2869	67611	14524	5658	*	*
Barley	34146	14944	*	112485	11210	*	*	*
Wheat	72993	60226	1837	82876	5876	3481	*	*
Maize	17819	13092	*	217495	11941	*	*	*
Sorghum	97731	37812	*	119646	24485	*	*	*
Finger millet	2117	1301	*	15400	1002	-	-	-
Oats / 'Aja'	649	214	-	5825	182	-	-	-
Rice	*	-	-	-	-	-	-	-
Pulses	102144	20554	377	141042	15676	5303	*	*
Horse / Faba beans	23913	7821	*	99924	6878	*	*	*
Field Peas	13048	*	*	24206	*	*	*	*
Haricot beans	12046	*	*	29952	*	*	*	*
Chick peas	15891	*	*	*	*	*	*	*
Lentils	13181	1489	*	20232	1194	*	*	*
Vetch / Grass peas	17065	559	*	7405	454	*	*	*
Soya beans	*	*	-	*	*	-	-	-
Fenugreek	6995	2513	*	15300	272	*	*	*
Gibto	-	-	-	-	-	-	-	-
Oilseeds	8726	1851	*	29443	785	*	*	*
Neug	3446	*	*	3777	128	-	-	-
Linseed	3946	*	-	11585	*	-	-	-
Groundnuts	-	-	-	-	-	-	-	-
Safflower	*	*	*	*	*	*	*	*
Sesame	*	*	*	*	*	*	*	*
Rapeseed	*	*	*	10256	40	-	-	-
Vegetables	2695	1810	*	174558	1420	*	*	*
Lettuce	*	*	-	*	*	-	-	-
Head cabbage	*	*	-	9624	*	-	-	-
Ethiopian cabbage	148	119	*	50929	113	-	-	-
Tomatoes	*	*	*	14224	*	*	*	*
Green peppers	*	140	*	26179	102	-	-	-
Red peppers	1790	1367	*	84771	1052	*	*	*
Swiss chard	25	*	-	5644	*	-	-	-
Root crops	1651	1198	*	118999	832	-	-	-
Beetroot	*	*	-	*	*	-	-	-
Carrot	*	*	-	*	*	-	-	-
Onion	518	430	*	23973	148	-	-	-
Potatoes	419	*	-	28111	*	-	-	-
Garlic	521	347	*	74276	266	-	-	-
Taro 'Godere'	*	*	-	*	*	-	-	-
Sweet potatoes	*	*	-	*	*	-	-	-
Other Temporary	5106	877	*	91727	869	-	-	-
Permanent crops	1068	534		36729	*			
Avocado	*	*		*	*			
Bananas	*	*		4620	*			
Guava	*	*		8785	*			
Lemons	*	*		*	*			
Mangoes	*	*		*	*			
Oranges	635	*		27623	*			
Papayas	*	*		*	*			
Pineapples	-	-		-	-			
Stimulant	6856	3728		101537	3618			
Chat	3586	2035		51968	*			
Coffee	2693	1488		47379	1469			
Hops / 'Gesho'	577	204		38947	201			
Enset	-	-		-	-			
Sugar cane	*	*		4770	51			
Other permanent	149	39		8944	35			

(Table 1.3.4 cont'd.)

South Wolo

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	52208	7978	*	289611	129070	*	616761	452656	326968
Cereals	33203	7222	*	284020	123387	*	585085	325222	205145
Teff	17698	2977	758	177003	57064	*	327510	103327	32505
Barley	*	*	*	29791	2934	*	232863	34146	47600
Wheat	10272	858	*	176069	53031	*	282280	69795	95526
Maize	*	*	*	10378	*	*	284653	17819	9548
Sorghum	*	*	*	29542	9037	*	272503	97340	18119
Finger millet	*	*	*	*	*	*	26764	2117	645
Oats / 'Aja'	-	-	-	*	*	-	18080	649	1193
Rice	-	-	-	-	-	-	*	*	*
Pulses	5510	245	*	42006	4231	*	428874	102048	119954
Horse / Faba beans	-	-	-	18891	874	*	253490	23913	34063
Field Peas	*	*	*	*	*	-	115689	13046	14705
Haricot beans	*	*	*	*	*	-	98337	12046	10307
Chick peas	*	*	*	*	*	-	108554	15798	18039
Lentils	*	*	*	*	226	*	128025	13181	14145
Vetch / Grass peas	-	-	-	*	*	*	121573	17065	23663
Soya beans	-	-	-	-	-	-	*	*	*
Fenugreek	*	*	*	17435	*	-	94150	6995	5027
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	*	*	*	24662	935	*	155044	8726	1870
Neug	*	*	*	9805	*	*	59269	3446	498
Linseed	-	-	-	*	*	-	81675	3946	1235
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	3142	*	*	*	*	*
Sesame	-	-	-	*	*	-	13249	*	44
Rapeseed	-	-	-	*	*	*	29378	*	51
Vegetables	14783	*	*	11150	154	-	259708	2687	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	-	-	-	*	*	-	16468	*	-
Ethiopian cabbage	*	*	*	*	*	-	70278	148	-
Tomatoes	*	*	*	*	*	-	27720	*	-
Green peppers	2875	*	*	*	*	-	45578	*	-
Red peppers	*	*	*	*	*	-	131247	1784	-
Swiss chard	-	-	-	-	-	-	9986	25	-
Root crops	8883	*	*	11193	214	-	200917	1645	-
Beetroot	-	-	-	-	-	-	*	*	-
Carrot	-	-	-	-	-	-	6205	*	-
Onion	*	*	*	*	*	-	49299	514	-
Potatoes	-	-	-	*	*	-	38311	419	-
Garlic	4113	*	*	*	*	-	134958	520	-
Taro 'Godere'	-	-	-	-	-	-	*	*	-
Sweet potatoes	-	-	-	-	-	-	*	*	-
Other									
Temporary	*	*	*	*	*	-	182221	5095	-
Permanent crops							65546	728	
Avocado							*	*	
Bananas							11325	*	
Guava							17008	*	
Lemons							9259	*	
Mangoes							4675	*	
Oranges							45729	470	
Papayas							12719	*	
Pineapples							-	-	
Stimulant							162473	6194	
Chat							75790	3336	
Coffee							80824	2304	
Hops / 'Geshe'							88398	554	
Enset							-	-	
Sugar cane							*	*	
Other permanent							33291	144	

(Table 1.3.4 Cont'd.)

South Wolo

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	26,753	4,030	*	25,856	*	64,432	2,500	89,279	29,831
Cereals	19,587	3,851	*	21,031	*	*	*	86,520	26,663
Teff	2,491	*	*	*	*	-	-	45,075	9,417
Barley	-	-	-	*	*	-	-	21,164	2,455
Wheat	*	*	*	*	*	*	*	62,349	14,174
Maize	-	-	-	*	*	*	*	*	*
Sorghum	*	*	*	*	*	*	*	*	*
Finger millet	-	-	-	*	*	*	*	-	-
Oats / 'Aja'	-	-	-	*	*	-	-	*	*
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	*	*	*	*	*	25,064	*
Horse / Faba beans	-	-	-	-	-	*	*	*	*
Field Peas	-	-	-	-	-	*	*	*	*
Haricot beans	-	-	-	-	-	-	-	-	-
Chick peas	*	*	*	*	*	*	*	*	*
Lentils	-	-	-	*	*	-	-	*	*
Vetch / Grass peas	-	-	-	*	*	*	*	*	*
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	*	*	*	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	2,774	*	2,292	*	*	*
Neug	-	-	-	*	*	*	*	*	*
Linseed	-	-	-	*	*	-	-	*	*
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	*	*	*	*
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	*	*	*	*
Vegetables	*	*	-	*	*	34,432	*	*	*
Lettuce	-	-	-	-	-	*	*	-	-
Head cabbage	*	*	-	-	-	*	*	*	*
Ethiopian cabbage	-	-	-	-	-	*	*	*	*
Tomatoes	-	-	-	-	-	*	*	*	*
Green peppers	-	-	-	*	*	6,110	*	-	-
Red peppers	*	*	-	-	-	*	*	*	*
Swiss chard	-	-	-	-	-	*	*	-	-
Root crops	*	*	-	*	*	15,932	158	*	*
Beetroot	-	-	-	-	-	*	*	-	-
Carrot	*	*	-	-	-	-	-	-	-
Onion	*	*	-	*	*	5,950	*	*	*
Potatoes	-	-	-	-	-	*	*	-	-
Garlic	*	*	-	-	-	*	54	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other									
Temporary	*	*	-	-	-	*	15	-	-
Permanent crops				*	*	16,235	201	-	-
Avocado				-	-	-	-	-	-
Bananas				-	-	*	*	-	-
Guava				-	-	*	*	-	-
Lemons				-	-	*	*	-	-
Mangoes				-	-	*	*	-	-
Oranges				*	*	*	114	-	-
Papayas				-	-	*	*	-	-
Pineapples				-	-	-	-	-	-
Stimulant	*	*	-	-	-	29,544	583	-	-
Chat				-	-	12,368	149	-	-
Coffee	-	-	-	-	-	24,735	*	-	-
Hops / 'Gescho'				-	-	*	*	-	-
Enset				-	-	-	-	-	-
Sugar cane				-	-	8,646	*	-	-
Other permanent				-	-	5,833	*	-	-

Table1.3.5 Number of Holders, Inputs Applied Area and Quantity of Inputs used

North Shewa

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	565219	219107	214384	278068	82352	49938	27461	24526
Cereals	414566	179820	*	204057	55843	45865	24757	22733
Teff	127204	65368	*	38033	8343	21967	12846	8542
Barley	62404	30452	13316	82964	14134	19052	*	*
Wheat	62686	49364	*	36706	4503	13505	*	2781
Maize	*	*	*	99479	*	*	*	*
Sorghum	132426	17250	*	39120	12338	*	*	*
Finger millet	*	*	*	-	-	-	-	-
Oats / 'Aja'	*	*	*	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
Pulses	112053	25645	*	117346	19809	*	*	*
Horse / Faba beans	37556	16993	*	93290	16413	*	*	*
Field Peas	9412	*	*	19003	1582	*	*	*
Haricot beans	19950	*	*	19034	879	*	*	*
Chick peas	18440	*	*	*	*	*	*	*
Lentils	19342	2128	*	6941	370	*	*	*
Vetch / Grass peas	3871	*	-	*	*	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	3469	726	*	7812	83	*	*	*
Gibto	*	-	-	-	-	-	-	-
Oilseeds	16122	1400	1586	22019	734	*	*	*
Neug	1574	*	-	*	*	-	-	-
Linseed	5796	*	*	2536	*	-	-	-
Groundnuts	*	-	-	-	-	-	-	-
Safflower	1306	410	*	6440	*	*	*	*
Sesame	7215	554	*	6822	*	-	-	-
Rapeseed	202	100	*	6170	85	*	*	*
Vegetables	3008	1837	1261	108694	*	*	*	*
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	*	*	*	4977	*	-	-	-
Ethiopian cabbage	*	*	*	54743	*	*	*	*
Tomatoes	159	*	*	7477	24	-	-	-
Green peppers	215	*	*	18663	86	*	*	*
Red peppers	1526	706	*	44107	548	-	-	-
Swiss chard	12	*	-	*	*	-	-	-
Root crops	8607	5246	*	110739	1462	*	*	*
Beetroot	7	*	-	*	*	-	-	-
Carrot	10	4	-	6045	4	-	-	-
Onion	*	4502	*	59904	*	*	*	*
Potatoes	395	186	*	26736	121	*	*	*
Garlic	697	503	*	64077	175	*	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	-	4477	*	-	-	-
Other Temporary	*	*	*	29082	*	*	*	*
Permanent crops	900	*	*	19075	*	*	*	*
Avocado	*	*	*	*	*	*	*	*
Bananas	*	*	*	8993	*	*	*	*
Guava	*	*	*	*	*	*	*	*
Lemons	*	*	*	1789	*	*	*	*
Mangoes	*	*	*	*	*	*	*	*
Oranges	*	*	*	5340	*	*	*	*
Papayas	*	*	*	5634	*	*	*	*
Pineapples	-	-	-	-	-	-	-	-
Stimulant	3823	*	*	56246	*	*	*	*
Chat	*	*	*	*	*	*	*	*
Coffee	*	*	*	21598	*	*	*	*
Hops / 'Geshe'	2143	998	*	45411	980	*	*	*
Enset	*	-	-	-	-	-	-	-
Sugar cane	365	*	*	2967	*	*	*	*
Other permanent	*	14	*	11335	14	*	*	*

(Table 1.3.5 cont'd.)

North Shewa

North Shewa	UREA			UREA + DAP			INDIGENOUS SEED		
Crop type	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	92470	27641	*	141999	81652	*	439492	556092	428337
Cereals	78151	25850	*	126659	73370	*	415298	405687	275255
Teff	51225	15991	*	69650	28189	*	259101	123242	42221
Barley	6892	1238	*	21321	5402	*	181635	61545	101439
Wheat	22314	5460	*	80526	37348	*	168526	59802	105645
Maize	*	358	*	5002	*	*	188986	*	4975
Sorghum	12537	*	*	7850	*	-	218268	131252	20815
Finger millet	-	-	-	*	*	*	*	*	*
Oats / 'Aja'	*	*	*	*	*	-	*	*	*
Rice	-	-	-	-	-	-	-	-	-
Pulses	4381	323	206	11891	*	*	304978	111929	150749
Horse / Faba beans	-	-	-	*	*	*	179963	37529	81822
Field Peas	*	*	*	*	*	*	77367	9382	13623
Haricot beans	1825	*	*	*	*	*	88014	19939	9533
Chick peas	-	-	-	*	*	*	72324	18429	22530
Lentils	*	*	*	*	*	*	113887	19298	16882
Vetch / Grass peas	-	-	-	-	-	-	24994	3871	4559
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	*	*	*	*	595	*	56798	3469	1779
Gibto	-	-	-	-	-	-	*	*	*
Oilseeds	7449	234	1079	6093	251	*	146071	16037	2333
Neug	-	-	-	*	*	-	30721	1511	186
Linseed	*	*	*	1650	*	*	62992	5778	1567
Groundnuts	-	-	-	-	-	-	*	*	-
Safflower	*	*	*	*	*	-	24076	1306	108
Sesame	4095	*	*	3808	*	-	56823	7211	*
Rapeseed	*	*	*	-	-	-	11475	202	18
Vegetables	7139	*	*	8590	180	*	196441	3008	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	*	*	*	*	*	*	12319	*	-
Ethiopian cabbage	2158	*	*	-	-	-	86492	*	-
Tomatoes	*	*	*	*	*	*	18515	159	-
Green peppers	*	*	*	*	*	*	35218	215	-
Red peppers	3769	*	*	2692	*	*	90048	1526	-
Swiss chard	-	-	-	-	-	-	10591	12	-
Root crops	16187	*	*	31009	*	*	226927	8604	-
Beetroot	-	-	-	*	*	-	7378	7	-
Carrot	-	-	-	-	-	-	12905	10	-
Onion	11985	*	*	27056	*	*	150915	*	-
Potatoes	*	*	*	1683	*	*	41813	393	-
Garlic	5091	38	*	10190	*	*	122272	696	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	9935	*	-
Other									
Temporary	*	*	*	*	*	*	75714	*	-
Permanent crops							54672	884	
Avocado							*	*	
Bananas							23067	*	
Guava							*	*	
Lemons							13224	*	
Mangoes							*	*	
Oranges							14606	*	
Papayas							16510	*	
Pineapples							-	-	
Stimulant							139905	3804	
Chat							20878	*	
Coffee							46917	*	
Hops / 'Gesho'							123575	2127	
Enset							*	*	
Sugar cane							17800	365	
Other permanent							26103	*	

(Table 1.3.5 Cont'd.)

North Shewa

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	18,736	8,347	7,142	117,566	50,807	83,061	*	214,047	128,789
Cereals	15,709	8,176	6,915	67,160	27,552	*	*	199,030	109,294
Teff	*	*	*	29,843	9,974	3,448	765	96,511	42,859
Barley	*	*	*	18,414	*	*	*	54,877	18,733
Wheat	11,709	2,883	5,367	32,072	*	*	*	93,296	38,697
Maize	-	-	-	*	*	*	*	15,425	839
Sorghum	*	*	*	10,142	2,931	*	*	25,364	8,167
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	*	46,542	18,845	2,946	*	48,016	14,841
Horse / Faba beans	*	*	*	9,859	*	*	*	22,982	6,089
Field Peas	*	*	*	2,623	*	*	*	7,529	877
Haricot beans	*	*	*	19,966	*	*	*	8,968	*
Chick peas	-	-	-	*	*	-	-	*	*
Lentils	*	*	*	14,106	*	-	-	12,669	*
Vetch / Grass peas	-	-	-	-	-	*	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	*	*	5,074	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	*	*	*	*	*	*	*	13,366	1,028
Neug	*	*	*	-	-	-	-	*	*
Linseed	*	*	*	*	*	-	-	2,584	*
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	*	*	4,965	*
Sesame	*	*	*	*	*	*	*	3,999	*
Rapeseed	-	-	-	-	-	*	*	*	*
Vegetables	-	-	-	4,316	*	26,586	*	15,544	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	5,984	*	*	*
Ethiopian cabbage	-	-	-	2,600	*	10,335	*	5,158	12
Tomatoes	-	-	-	*	*	*	*	*	*
Green peppers	-	-	-	-	-	6,940	42	*	*
Red peppers	-	-	-	*	*	13,182	*	5,117	*
Swiss chard	-	-	-	*	*	*	*	*	*
Root crops	*	*	-	21,145	*	40,449	*	26,773	509
Beetroot	-	-	-	-	-	*	*	*	*
Carrot	*	*	-	-	-	*	*	*	*
Onion	-	-	-	20,756	*	32,434	*	13,197	190
Potatoes	*	*	-	-	-	3,030	*	7,497	*
Garlic	-	-	-	*	*	11,846	*	12,453	147
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	*	*	*	*
Other									
Temporary	-	-	-	*	*	*	*	*	*
Permanent crops				*	*	31,830	621	6,068	*
Avocado				-	-	*	*	-	-
Bananas				-	-	16,646	*	*	*
Guava				-	-	*	*	*	*
Lemons				-	-	*	*	*	*
Mangoes				-	-	*	*	*	*
Oranges				*	*	5,807	*	*	*
Papayas				*	*	7,555	*	*	*
Pineapples				-	-	-	-	-	-
Stimulant	*	*	-	*	*	23,964	*	2,924	*
Chat				*	*	9,783	*	*	*
Coffee	*	*	-	*	*	19,437	*	2,526	*
Hops / 'Gesho'				*	*	21,494	204	4,723	*
Enset				-	-	-	-	-	-
Sugar cane				-	-	8,447	*	*	*
Other permanent				*	*	*	*	2,372	*

Table1.3.6 Number of Holders, Inputs Applied Area and Quantity of Inputs used

East Gojjam

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	655018	393462	175803	414361	56860	131532	66851	76292
Cereals	492710	361541	165829	302504	41735	114537	59013	69211
Teff	225118	198775	131965	17183	2302	88759	40576	45579
Barley	51054	15381	7348	52652	5301	24117	*	*
Wheat	93555	70452	17613	46391	8035	32349	8052	13695
Maize	82056	73131	8902	224954	22300	32248	5356	3990
Sorghum	40544	3796	-	25096	3796	-	-	-
Finger millet	*	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	*	*	-	-	-	-	-	-
Pulses	118914	17028	5185	87854	8787	41028	5046	4123
Horse / Faba beans	39042	11683	3152	64711	6445	30798	3014	2796
Field Peas	9659	2737	1247	4826	*	12640	2017	1210
Haricot beans	15115	*	*	*	*	-	-	-
Chick peas	19451	484	*	5134	*	-	-	-
Lentils	4286	*	-	*	*	-	-	-
Vetch / Grass peas	25637	*	-	8401	*	-	-	-
Soya beans	*	*	*	*	*	-	-	-
Fenugreek	3398	*	*	6138	*	-	-	-
Gibto	1494	*	*	*	*	*	*	*
Oilseeds	28819	*	2409	35371	1676	14788	*	*
Neug	12890	*	*	*	*	*	*	*
Linseed	1984	*	-	-	-	-	-	-
Groundnuts	*	-	-	-	-	-	-	-
Safflower	*	*	*	-	-	-	-	-
Sesame	*	*	*	-	-	-	-	-
Rapeseed	5857	4959	2118	30559	842	14152	*	*
Vegetables	1977	1353	242	105649	1132	*	*	*
Lettuce	*	*	-	-	-	-	-	-
Head cabbage	255	85	*	23552	76	*	*	*
Ethiopian cabbage	*	*	-	2857	*	-	-	-
Tomatoes	*	*	*	*	*	-	-	-
Green peppers	356	165	*	39210	152	-	-	-
Red peppers	1094	866	*	53439	672	*	*	*
Swiss chard	*	-	-	-	-	-	-	-
Root crops	6588	3281	1551	110027	1298	8590	*	939
Beetroot	*	75	*	24072	64	-	-	-
Carrot	*	*	-	*	*	-	-	-
Onion	865	277	*	15628	121	*	*	*
Potatoes	4694	2520	1224	19485	822	6582	*	*
Garlic	541	381	147	66580	262	*	-	*
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-
Other Temporary	863	607	193	92056	513	*	*	*
Permanent crops	203	55		10017	55			
Avocado	*	*		*	*			
Bananas	*	*		*	*			
Guava	*	*		*	*			
Lemons	*	-		-	-			
Mangoes	*	*		*	*			
Oranges	41	*		5278	*			
Papayas	*	*		*	*			
Pineapples	-	-		-	-			
Stimulant	4668	2125		124673	1642			
Chat	*	*		*	*			
Coffee	208	*		5490	*			
Hops / 'Geshe'	4047	1684		123155	1518			
Enset	*	-		-	-			
Sugar cane	*	*		*	*			
Other permanent	*	*		6188	*			

(Table 1.3.6 cont'd.)

East Gojjam

East Gopjam	UREA			UREA + DAP			INDIGENOUS SEED		
Crop type	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	109567	36414	*	327386	233337	6452	615350	593081	587014
Cereals	93949	35554	*	324132	225239	5567	594945	432015	439176
Teff	62617	28283	*	234023	127613	2684	406250	217104	119257
Barley	6573	798	*	26010	*	*	211968	51054	93169
Wheat	16342	2786	2347	166937	51579	1572	296580	86998	200171
Maize	26436	3687	4398	166729	41787	*	340072	35932	13707
Sorghum	-	-	-	-	-	-	116454	40544	12541
Finger millet	-	-	-	-	-	-	*	*	*
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	*	*	-	*	*	*
Pulses	7905	409	863	31624	2786	*	414489	118602	139124
Horse / Faba beans	3860	123	156	21020	*	*	266321	38945	57633
Field Peas	*	*	*	*	*	-	75118	9642	10846
Haricot beans	*	*	*	-	-	-	60952	15045	*
Chick peas	*	*	*	-	-	-	85795	19451	18918
Lentils	-	-	-	-	-	-	24736	4286	2931
Vetch / Grass peas	-	-	-	-	-	-	113632	25509	26185
Soya beans	*	*	*	*	*	-	*	*	*
Fenugreek	*	*	*	*	*	-	34325	3398	897
Gibto	-	-	-	*	*	-	16120	1494	780
Oilseeds	*	*	*	35869	3217	*	201212	28325	8715
Neug	*	*	*	*	*	-	84081	12890	2196
Linseed	-	-	-	*	*	-	18916	1984	892
Groundnuts	-	-	-	-	-	-	*	*	*
Safflower	*	*	*	-	-	-	*	*	*
Sesame	*	*	*	-	-	-	33545	*	*
Rapeseed	*	*	*	32087	*	*	93057	5783	*
Vegetables	10148	*	169	7424	*	*	184726	1935	-
Lettuce	-	-	-	*	*	-	*	*	-
Head cabbage	*	*	*	*	*	-	52045	216	-
Ethiopian cabbage	-	-	-	-	-	-	6673	*	-
Tomatoes	*	*	*	*	-	-	*	*	-
Green peppers	*	*	*	*	*	-	74653	356	-
Red peppers	*	*	*	*	*	*	82939	1093	-
Swiss chard	-	-	-	-	-	-	*	*	-
Root crops	11783	*	259	23084	*	*	234054	6555	-
Beetroot	*	*	*	*	*	-	44085	*	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	*	*	*	*	*	*	44801	865	-
Potatoes	*	*	*	*	*	*	81384	4694	-
Garlic	8637	51	99	9119	*	*	124536	541	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other									
Temporary	*	*	*	4968	*	*	156708	863	-
Permanent crops							22096	199	
Avocado							*	*	
Bananas							10148	*	
Guava							*	*	
Lemons							*	*	
Mangoes							*	*	
Oranges							11398	40	
Papayas							*	*	
Pineapples							-	-	
Stimulant							275918	4472	
Chat							12505	*	
Coffee							12654	186	
Hops / 'Gesho'							273738	3874	
Enset							*	*	
Sugar cane							*	*	
Other permanent							13482	*	

(Table 1.3.6 Cont'd.)

East Gojjam

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	225,246	61,663	30,844	86,592	53,176	81,134	6,325	425,140	276,068
Cereals	218,419	60,620	30,475	84,589	52,654	12,887	1,582	409,464	252,444
Teff	19,060	8,014	2,800	71,002	37,017	*	*	274,156	137,026
Barley	-	-	-	*	*	*	*	79,187	12,613
Wheat	29,775	6,482	17,319	31,794	*	*	*	177,819	44,073
Maize	201,657	46,124	10,356	*	*	3,449	*	265,378	58,335
Sorghum	-	-	-	*	-	-	-	4,587	*
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	*	*
Pulses	2,610	*	*	*	*	7,643	*	106,501	14,430
Horse / Faba beans	*	*	*	2,492	*	*	*	78,603	7,679
Field Peas	-	-	-	*	*	*	*	*	*
Haricot beans	*	*	*	-	-	-	-	*	*
Chick peas	-	-	-	-	-	*	*	*	*
Lentils	-	-	-	-	-	*	*	*	*
Vetch / Grass peas	*	*	*	-	-	*	*	*	*
Soya beans	-	-	-	-	-	-	-	*	*
Fenugreek	-	-	-	-	-	*	*	*	*
Gibto	-	-	-	*	*	-	-	-	-
Oilseeds	*	*	*	*	*	*	*	51,972	*
Neug	-	-	-	*	*	-	-	*	*
Linseed	-	-	-	-	-	-	-	*	*
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	*	*	-	-	*	*
Sesame	*	*	*	-	-	-	-	-	-
Rapeseed	*	*	*	-	-	*	*	46,950	*
Vegetables	*	*	-	-	-	19,301	187	28,225	*
Lettuce	*	*	-	-	-	*	*	-	-
Head cabbage	*	*	-	-	-	14,848	75	6,600	*
Ethiopian cabbage	-	-	-	-	-	*	*	-	-
Tomatoes	-	-	-	-	-	-	-	*	*
Green peppers	-	-	-	-	-	*	*	2,646	*
Red peppers	*	*	-	-	-	*	*	17,642	*
Swiss chard	*	*	-	-	-	*	*	-	-
Root crops	*	*	-	-	-	39,493	2,002	53,978	2,332
Beetroot	*	*	-	-	-	9,615	*	10,221	*
Carrot	*	*	-	-	-	*	*	-	-
Onion	*	-	-	-	-	13,616	373	9,156	215
Potatoes	-	-	-	-	-	20,591	1,464	26,388	1,972
Garlic	-	-	-	-	-	8,350	72	15,973	95
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other									
Temporary	-	-	-	*	*	*	*	15,840	85
Permanent crops				-	-	9,439	*	*	*
Avocado				-	-	*	*	*	*
Bananas				-	-	8,205	*	*	*
Guava				-	-	-	-	-	-
Lemons				-	-	*	-	-	-
Mangoes				-	-	*	*	*	*
Oranges				-	-	*	*	*	*
Papayas				-	-	*	*	-	-
Pineapples				-	-	-	-	-	-
Stimulant	*	*	-	-	-	*	*	*	*
Chat				-	-	*	*	*	*
Coffee	*	*	-	-	-	*	*	*	*
Hops / 'Gesho'				-	-	27,254	*	30,699	483
Enset				-	-	-	-	-	-
Sugar cane				-	-	*	*	*	*
Other permanent				-	-	*	*	*	*

Table1.3.7 Number of Holders, Inputs Applied Area and Quantity of Inputs used

West Gojjam

Crop type	All	All Fertilizers		Natural		DAP		
	Crop Area	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	627538	458763	204375	336305	41376	274262	148025	180752
Cereals	458878	400357	157299	184494	28931	257329	131380	140704
Teff	128158	106986	40755	11840	1891	136991	46506	38816
Barley	20225	12099	*	25818	*	19726	3205	*
Wheat	36566	33712	17244	*	*	51075	12323	17024
Maize	187793	177968	36144	152682	16758	70005	14245	23462
Sorghum	*	-	-	-	-	-	-	-
Finger millet	77417	69592	60121	4795	*	131046	55100	58503
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
Pulses	81421	20961	21359	51602	4531	77189	12593	20328
Horse / Faba beans	26801	13793	*	37432	3491	57103	7673	*
Field Peas	9350	5020	3669	*	*	29357	4121	3532
Haricot beans	7370	*	*	*	*	*	*	*
Chick peas	6721	*	*	*	*	-	-	-
Lentils	*	-	-	-	-	-	-	-
Vetch / Grass peas	20983	*	*	*	*	*	*	*
Soya beans	*	*	*	*	*	*	*	*
Fenugreek	395	42	-	11125	42	-	-	-
Gibto	9531	*	*	*	*	*	*	*
Oilseeds	58426	13458	11786	61606	1658	31120	*	*
Neug	25145	*	*	-	-	*	*	*
Linseed	1900	351	*	*	*	*	*	*
Groundnuts	*	*	*	-	-	*	*	*
Safflower	*	*	-	*	*	-	-	-
Sesame	*	-	-	-	-	-	-	-
Rapeseed	13620	11250	10280	59415	1490	23353	679	*
Vegetables	17288	16149	1569	161052	1973	15876	*	433
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	157	113	*	17908	52	*	*	*
Ethiopian cabbage	*	*	-	-	-	-	-	-
Tomatoes	*	*	*	-	-	*	*	*
Green peppers	72	60	*	14599	*	*	*	*
Red peppers	17055	15972	1443	140036	1878	14251	*	377
Swiss chard	-	-	-	-	-	-	-	-
Root crops	3025	2762	*	101291	515	23869	*	*
Beetroot	90	49	*	9337	*	*	*	*
Carrot	*	*	-	*	*	-	-	-
Onion	100	69	*	*	*	*	*	*
Potatoes	2302	2185	*	7501	*	18315	*	*
Garlic	516	443	676	80142	230	*	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	*	*	*	-	-	-
Other Temporary	1190	994	*	98384	401	*	*	*
Permanent crops	322	197		30301	179			
Avocado	*	*		*	*			
Bananas	*	*		14177	*			
Guava	40	22		6437	22			
Lemons	*	*		*	*			
Mangoes	39	16		6409	13			
Oranges	53	*		5277	13			
Papayas	24	15		5129	*			
Pineapples	-	-		-	-			
Stimulant	5551	3302		149208	2684			
Chat	*	*		18432	*			
Coffee	*	*		29225	*			
Hops / 'Geshe'	3133	1937		135877	1426			
Enset	-	-		-	-			
Sugar cane	*	*		*	*			
Other permanent	188	85		34501	83			

(Table 1.3.7 cont'd.)

West Gojjam

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	122411	18588	21723	407001	250774	*	502885	477509	361568
Cereals	77695	16572	15456	398351	223473	*	467485	312978	280202
Teff	10178	*	*	131403	55623	*	303150	121387	75679
Barley	*	*	*	7260	1495	-	91039	19986	49568
Wheat	*	*	*	73376	19338	*	143031	34773	89566
Maize	59306	9223	11848	372578	137741	*	319914	51290	16439
Sorghum	-	-	-	-	-	-	*	*	*
Finger millet	17446	*	1618	35694	9276	-	201351	76822	46373
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	7283	*	800	50128	3477	*	292351	80702	65777
Horse / Faba beans	5478	164	621	39301	2464	*	190602	26744	28952
Field Peas	*	*	*	3859	*	-	67960	9350	7602
Haricot beans	*	*	*	7998	235	-	45336	6909	5475
Chick peas	*	*	*	-	-	-	35391	6721	4442
Lentils	-	-	-	-	-	-	*	*	*
Vetch / Grass peas	-	-	-	*	*	-	79480	20782	14282
Soya beans	-	-	-	-	-	-	*	*	*
Fenugreek	-	-	-	-	-	-	21273	395	279
Gibto	-	-	-	5625	*	-	51505	9531	4530
Oilseeds	16238	620	2423	131815	9016	*	269959	57609	15588
Neug	-	-	-	2996	*	-	89524	24668	4715
Linseed	-	-	-	*	*	-	21694	1794	460
Groundnuts	-	-	-	-	-	-	*	*	*
Safflower	-	-	-	*	*	-	*	*	*
Sesame	-	-	-	-	-	-	*	*	*
Rapeseed	16238	620	2423	127213	8460	*	188717	13386	*
Vegetables	53618	717	1056	91295	12823	*	338999	16218	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	*	*	*	3362	*	-	31427	155	-
Ethiopian cabbage	-	-	-	*	*	-	*	*	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	*	*	*	*	*	-	22222	72	-
Red peppers	49036	690	986	89122	12774	*	311005	15986	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	27611	107	603	41493	1013	*	204241	2954	-
Beetroot	*	*	*	*	*	-	14555	73	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	*	*	*	*	*	-	15908	100	-
Potatoes	*	*	*	18817	854	*	51420	2250	-
Garlic	24145	63	540	20374	129	-	147807	516	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	*	-	-	-	*	*	-
Other									
Temporary	12550	78	215	18054	*	-	168457	1158	-
Permanent crops							38222	247	
Avocado							*	*	
Bananas							18725	*	
Guava							8103	31	
Lemons							4801	*	
Mangoes							8080	29	
Oranges							5086	*	
Papayas							8984	13	
Pineapples							-	-	
Stimulant							232253	4259	
Chat							22007	*	
Coffee							36781	947	
Hops / 'Geshe'							220663	2725	
Enset							-	-	
Sugar cane							22675	*	
Other permanent							55345	181	

(Table 1.3.7 Cont'd.)

West Gojjam

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	373,289	149,182	39,645	142,524	73,970	71,180	3,920	439,383	411,655
Cereals	367,961	145,900	39,161	127,834	66,632	5,263	661	430,481	357,416
Teff	19,621	6,771	2,935	57,213	20,724	*	*	224,387	93,324
Barley	*	*	*	*	*	*	*	26,007	4,526
Wheat	*	*	*	37,290	*	-	-	100,655	24,016
Maize	359,033	136,503	31,253	7,745	3,071	*	*	410,612	162,467
Sorghum	-	-	-	*	*	-	-	*	*
Finger millet	2,337	*	*	65,397	24,329	-	-	181,314	71,350
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	*	*	*	-	-	132,805	21,619
Horse / Faba beans	*	*	*	*	*	-	-	90,327	8,952
Field Peas	-	-	-	*	*	-	-	31,001	4,118
Haricot beans	*	*	*	-	-	-	-	14,862	1,300
Chick peas	-	-	-	*	*	-	-	*	*
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	*	*	-	-	*	*
Soya beans	-	-	-	-	-	-	-	*	*
Fenugreek	-	-	-	-	-	-	-	*	*
Gibto	-	-	-	*	*	-	-	12,464	2,046
Oilseeds	*	*	*	*	*	2,288	*	162,310	16,211
Neug	*	*	*	*	*	*	*	18,768	6,098
Linseed	*	*	*	-	-	-	-	3,964	*
Groundnuts	-	-	-	-	-	-	-	*	*
Safflower	-	-	-	-	-	-	-	*	*
Sesame	-	-	-	*	*	-	-	-	-
Rapeseed	*	*	*	-	-	*	*	149,498	9,784
Vegetables	*	*	-	8,804	282	6,445	38	149,719	11,098
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	*	*	*	*	7,914	*
Ethiopian cabbage	-	-	-	-	-	-	-	*	*
Tomatoes	-	-	-	-	-	-	-	*	*
Green peppers	-	-	-	-	-	*	*	4,406	22
Red peppers	*	*	-	6,447	*	4,227	*	141,216	11,016
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	-	*	*	*	*	84,973	2,163
Beetroot	*	*	-	-	-	-	-	2,806	*
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	*	*	*	*
Potatoes	*	*	-	-	-	*	*	37,188	1,912
Garlic	-	-	-	*	*	*	*	48,328	198
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	-	-	-	-	-	*	*
Other									
Temporary	*	*	-	*	*	*	*	44,318	*
Permanent crops				-	-	23,708	193	20,407	134
Avocado				-	-	*	*	2,439	*
Bananas				-	-	*	*	*	*
Guava				-	-	5,877	16	5,909	21
Lemons				-	-	*	*	*	*
Mangoes				-	-	*	18	8,654	29
Oranges				-	-	3,987	*	*	*
Papayas				-	-	*	*	*	*
Pineapples				-	-	-	-	-	-
Stimulant	*	*	-	*	*	28,963	*	24,132	*
Chat				*	*	*	*	*	*
Coffee	*	*	-	-	-	*	*	19,434	*
Hops / 'Gesho'				*	*	31,599	186	52,551	680
Enset				-	-	-	-	-	-
Sugar cane				*	*	*	*	*	*
Other permanent				-	-	*	*	6,870	*

Table1.3.8 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Waghamera

Crop type	All	All Fertilizers		Natural		DAP		
	Crop Area	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	115003	29089	*	80634	28019	-	-	-
Cereals	87702	25369	*	74557	24395	-	-	-
Teff	25803	5708	*	18348	5137	-	-	-
Barley	12930	2730	-	20269	2730	-	-	-
Wheat	5130	1145	-	8289	1145	-	-	-
Maize	3340	2687	*	56158	2642	-	-	-
Sorghum	40337	13098	*	35410	12741	-	-	-
Finger millet	*	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
Pulses	18510	2537	*	21938	2518	-	-	-
Horse / Faba beans	6967	773	-	9354	773	-	-	-
Field Peas	4186	222	-	4024	222	-	-	-
Haricot beans	4048	*	*	7598	*	-	-	-
Chick peas	875	*	-	1367	*	-	-	-
Lentils	2291	*	-	992	*	-	-	-
Vetch / Grass peas	*	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	87	29	-	4078	29	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	7813	905	*	10320	840	-	-	-
Neug	370	*	-	*	*	-	-	-
Linseed	983	118	-	4132	118	-	-	-
Groundnuts	*	-	-	-	-	-	-	-
Safflower	439	194	*	3571	*	-	-	-
Sesame	6018	*	*	*	*	-	-	-
Rapeseed	-	-	-	-	-	-	-	-
Vegetables	*	23	-	8499	23	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	*	*	-	-	-
Ethiopian cabbage	*	*	-	*	*	-	-	-
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	*	7	-	4997	7	-	-	-
Red peppers	*	*	-	*	*	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
Root crops	*	151	*	13850	139	-	-	-
Beetroot	*	-	-	-	-	-	-	-
Carrot	*	*	-	*	*	-	-	-
Onion	*	*	*	1365	*	-	-	-
Potatoes	*	65	-	7389	65	-	-	-
Garlic	60	*	-	9058	*	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	-	*	*	-	-	-
Other Temporary	*	65	-	21782	65	-	-	-
Permanent crops	17	*		*	*			
Avocado	*	-		-	-			
Bananas	*	*		*	*			
Guava	*	-		-	-			
Lemons	*	*		*	*			
Mangoes	*	-		-	-			
Oranges	*	*		*	*			
Papayas	*	-		-	-			
Pineapples	-	-		-	-			
Stimulant	*	*		*	*			
Chat	*	*		*	*			
Coffee	*	*		709	*			
Hops / 'Geshe'	*	*		*	*			
Enset	-	-		-	-			
Sugar cane	*	*		*	*			
Other permanent	*	*		*	*			

(Table 1.3.8 cont'd.)

Waghamera

[illegible]

(Table 1.3.8 Cont'd.)

Waghamera

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	1,812	329	*	3,977	*	5,217	*	*	*
Cereals	1,644	287	*	837	*	*	*	*	*
Teff	-	-	-	-	-	*	*	*	*
Barley	-	-	-	*	*	-	-	*	*
Wheat	1,644	287	*	-	-	-	-	*	*
Maize	-	-	-	*	*	*	*	*	*
Sorghum	-	-	-	*	*	*	*	*	*
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	*	*	*	*	*	*	*
Horse / Faba beans	-	-	-	*	*	*	*	*	*
Field Peas	-	-	-	-	-	-	-	*	*
Haricot beans	*	*	*	*	*	*	*	*	*
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	*	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	*	*	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	*	*	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	*	*	*	*
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	*	*
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	-	-	-	-	-	3,163	*	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	*	*	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	-	-	-	-	-	894	*	*	*
Green peppers	-	-	-	-	-	2,172	*	*	*
Red peppers	-	-	-	-	-	*	*	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	-	-	-	-	-	1,542	*	*	*
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	*	*	-	-
Onion	-	-	-	-	-	1,080	*	-	-
Potatoes	-	-	-	-	-	*	*	-	-
Garlic	-	-	-	-	-	806	*	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other									
Temporary	-	-	-	*	*	*	*	-	-
Permanent crops				-	-	2,361	*	*	*
Avocado	-	-	-	-	-	*	*	-	-
Bananas	-	-	-	-	-	*	*	*	*
Guava	-	-	-	-	-	*	*	-	-
Lemons	-	-	-	-	-	*	*	-	-
Mangoes	-	-	-	-	-	*	*	-	-
Oranges	-	-	-	-	-	*	*	-	-
Papayas	-	-	-	-	-	*	*	-	-
Pineapples	-	-	-	-	-	-	-	-	-
Stimulant	-	-	-	-	-	1,374	*	-	-
Chat	-	-	-	-	-	*	*	-	-
Coffee	-	-	-	-	-	1,374	*	-	-
Hops / 'Geshe'	-	-	-	-	-	*	*	-	-
Enset	-	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	*	*	-	-
Other permanent	-	-	-	-	-	*	*	-	-

Table1.3.9 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Awi

Crop type	All	All Fertilizers		Natural		DAP		
	Crop Area	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	293534	198762	67098	167838	37375	99111	67349	59974
Cereals	224883	173814	58189	131652	29615	91268	62525	53091
Teff	79211	58388	24475	24243	5404	62815	27583	21581
Barley	10470	6202	761	30294	4738	4000	347	500
Wheat	18827	15667	1250	7243	1346	5016	777	*
Maize	59263	54511	4508	116633	16700	19694	2388	3541
Sorghum	*	*	-	*	*	-	-	-
Finger millet	54095	38961	27194	4467	1342	64594	31430	26511
Oats / 'Aja'	*	-	-	-	-	-	-	-
Rice	*	-	-	-	-	-	-	-
Pulses	28056	5905	3267	25171	1758	18879	2904	3215
Horse / Faba beans	7080	3567	*	11769	1018	*	*	*
Field Peas	3024	1486	*	8773	*	7336	*	*
Haricot beans	*	*	*	*	*	-	-	-
Chick peas	*	*	*	-	-	*	*	*
Lentils	*	*	*	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	*	*	-	-	-	-	-	-
Fenugreek	87	*	-	10992	*	-	-	-
Gibto	13296	422	*	3331	*	*	*	*
Oilseeds	24519	4911	*	37475	1973	8233	589	*
Neug	14615	1442	*	*	*	*	*	*
Linseed	165	*	*	-	-	*	*	*
Groundnuts	*	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	*	*	-	-	-	-	-	-
Rapeseed	3828	3158	*	34086	959	6881	*	*
Vegetables	8790	8656	*	57271	727	*	*	*
Lettuce	*	*	-	*	*	-	-	-
Head cabbage	*	*	-	*	*	-	-	-
Ethiopian cabbage	*	63	-	9945	50	-	-	-
Tomatoes	*	-	-	-	-	-	-	-
Green peppers	*	*	-	13544	*	-	-	-
Red peppers	8582	*	*	36471	559	*	*	*
Swiss chard	-	-	-	-	-	-	-	-
Root crops	4646	3869	1563	71403	1998	17795	1081	*
Beetroot	*	*	-	*	*	-	-	-
Carrot	*	*	-	*	*	-	-	-
Onion	*	*	-	*	*	-	-	-
Potatoes	4070	3440	1556	36065	1606	17456	1079	*
Garlic	204	125	*	33934	103	*	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	135	*	-	6856	*	-	-	-
Other Temporary	625	357	*	47122	146	*	*	*
Permanent crops	*	88		17593	83			
Avocado	*	*		*	*			
Bananas	47	*		8041	*			
Guava	*	*		*	*			
Lemons	12	*		*	*			
Mangoes	18	*		4272	*			
Oranges	*	*		5358	*			
Papayas	*	*		*	*			
Pineapples	-	-		-	-			
Stimulant	1414	995		53884	907			
Chat	*	*		*	*			
Coffee	688	*		23020	*			
Hops / 'Gescho'	553	397		45465	376			
Enset	-	-		-	-			
Sugar cane	186	*		6904	*			
Other permanent	119	76		22990	76			

(Table 1.3.9 cont'd.)

Awi

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	20145	7031	3945	133361	87008	*	230524	253015	177751
Cereals	17680	6848	3838	130004	74826	1261	214616	185141	150720
Teff	*	*	*	43922	20314	*	149051	78956	57171
Barley	*	*	*	3771	*	-	51696	10398	18595
Wheat	*	*	*	45448	13214	*	54501	14942	29001
Maize	3462	709	610	105009	34714	*	157070	23733	7771
Sorghum	-	-	-	-	-	-	*	*	*
Finger millet	*	*	*	13478	5783	*	103565	54095	35205
Oats / 'Aja'	-	-	-	-	-	-	*	*	*
Rice	-	-	-	-	-	-	*	*	*
Pulses	*	*	*	10167	*	*	102479	27905	20743
Horse / Faba beans	*	*	*	*	*	*	41412	6997	7860
Field Peas	-	-	-	*	*	-	25393	3024	2386
Haricot beans	*	*	*	*	*	-	*	*	*
Chick peas	-	-	-	*	*	-	*	*	*
Lentils	*	*	*	-	-	-	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	*	*	-	*	*	*
Fenugreek	-	-	-	-	-	-	13427	87	36
Gibto	-	-	-	*	*	-	42724	13296	5775
Oilseeds	*	*	*	31899	2334	*	111617	24232	6288
Neug	-	-	-	*	*	*	33942	14615	2631
Linseed	-	-	-	-	-	-	3394	165	52
Groundnuts	-	-	-	-	-	-	*	*	*
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	*	*	-	*	*	*
Rapeseed	*	*	*	30820	1895	-	72718	3828	*
Vegetables	*	*	*	37003	*	*	102252	8712	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	-	-	-	*	*	-	*	*	-
Ethiopian cabbage	-	-	-	*	*	-	12022	*	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	*	*	-	14597	*	-
Red peppers	*	*	*	36075	*	*	79037	*	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	*	10218	*	*	110225	4623	-
Beetroot	-	-	-	*	*	-	*	*	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	-	-	-	*	*	-	8159	*	-
Potatoes	*	*	*	8027	*	*	71876	4067	-
Garlic	-	-	-	*	*	-	47783	202	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	10836	135	-
Other									
Temporary	-	-	-	7471	*	*	70499	622	-
Permanent crops							24999	*	
Avocado							*	*	
Bananas							7830	*	
Guava							*	*	
Lemons							5421	11	
Mangoes							7387	18	
Oranges							8132	*	
Papayas							*	*	
Pineapples							-	-	
Stimulant							76803	1236	
Chat							*	*	
Coffee							24369	542	
Hops / 'Geshe'							66025	521	
Enset							-	-	
Sugar cane							12862	181	
Other permanent							27618	77	

(Table 1.3.9 Cont'd.)

Awi

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	116,177	40,249	17,418	26,245	*	27,935	*	160,507	149,378
Cereals	107,419	39,578	17,034	22,665	*	*	*	156,005	130,567
Teff	*	*	*	*	*	-	-	85,287	41,157
Barley	-	-	-	-	-	*	*	10,317	1,929
Wheat	14,604	3,885	9,249	*	*	*	*	45,456	13,609
Maize	104,068	35,438	7,635	2,917	*	*	*	121,943	42,921
Sorghum	-	-	-	*	*	-	-	*	*
Finger millet	-	-	-	*	*	*	*	56,547	30,402
Oats / 'Aja'	-	-	-	-	-	-	-	*	*
Rice	-	-	-	*	*	-	-	-	-
Pulses	*	*	*	*	*	*	*	29,608	5,792
Horse / Faba beans	*	*	*	-	-	-	-	21,400	3,123
Field Peas	-	-	-	-	-	-	-	10,096	*
Haricot beans	-	-	-	-	-	-	-	*	*
Chick peas	-	-	-	-	-	-	-	*	*
Lentils	-	-	-	-	-	*	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	*	*	*	-	-	-	-	*	*
Fenugreek	-	-	-	*	*	-	-	-	-
Gibto	-	-	-	-	-	-	-	1,963	*
Oilseeds	*	*	*	*	*	*	*	45,313	3,632
Neug	-	-	-	-	-	*	*	1,624	*
Linseed	-	-	-	*	*	-	-	*	*
Groundnuts	-	-	-	-	-	-	-	*	*
Safflower	-	-	-	-	-	-	-	-	-
Sesame	*	*	*	*	*	-	-	*	*
Rapeseed	-	-	-	-	-	-	-	40,046	2,455
Vegetables	*	*	-	-	-	2,905	*	37,457	*
Lettuce	-	-	-	-	-	*	*	-	-
Head cabbage	*	*	-	-	-	*	*	*	*
Ethiopian cabbage	-	-	-	-	-	*	*	-	-
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	*	*	*	*
Red peppers	*	*	-	-	-	*	*	36,310	*
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	1,379	*	-	*	*	*	*	20,952	990
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	*	*	-	-	-	*	*	-	-
Potatoes	*	*	-	*	*	*	*	18,443	945
Garlic	*	*	-	-	-	*	*	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	*	*
Other									
Temporary	*	*	-	*	*	2,917	6	12,178	239
Permanent crops				*	*	7,884	25	*	*
Avocado				-	-	*	*	-	-
Bananas				-	-	*	*	*	*
Guava				-	-	*	*	-	-
Lemons				*	*	*	*	-	-
Mangoes				-	-	*	*	*	*
Oranges				-	-	*	*	-	-
Papayas				-	-	*	*	-	-
Pineapples				-	-	-	-	-	-
Stimulant	*	*	-	-	-	9,621	*	*	*
Chat				-	-	-	-	*	*
Coffee	*	*	-	-	-	9,621	*	*	*
Hops / 'Gesho'				-	-	7,140	*	5,907	*
Enset				-	-	-	-		
Sugar cane				-	-	5,815	*	*	*
Other permanent				*	*	*	*	*	*

Table1.3.10 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Oromia Zone

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	62071	19522	*	62479	18400	*	221	*
Cereals	49742	14405	*	53778	13454	*	*	*
Teff	6464	954	*	4174	654	*	*	*
Barley	418	*	-	1525	*	-	-	-
Wheat	1473	*	-	867	*	-	-	-
Maize	4484	2009	*	36094	1933	*	*	*
Sorghum	36799	11161	*	31832	10658	*	*	*
Finger millet	*	*	-	*	*	-	-	-
Oats / 'Aja'	*	*	-	*	*	-	-	-
Rice	*	*	-	-	-	-	-	-
Pulses	2960	909	*	13886	899	*	*	*
Horse / Faba beans	*	*	-	*	*	-	-	-
Field Peas	*	*	-	*	*	-	-	-
Haricot beans	1866	472	*	9869	462	*	*	*
Chick peas	549	*	-	*	*	-	-	-
Lentils	*	*	-	838	*	-	-	-
Vetch / Grass peas	*	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	*	*	-	*	*	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	4606	2056	*	18934	2037	*	*	*
Neug	*	*	-	*	*	-	-	-
Linseed	*	29	*	2365	27	-	-	-
Groundnuts	*	*	-	*	*	-	-	-
Safflower	261	111	*	5750	104	-	-	-
Sesame	3276	1484	-	13298	1484	-	-	-
Rapeseed	*	*	*	-	-	*	*	*
Vegetables	484	242	*	14028	212	*	*	*
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-
Ethiopian cabbage	*	6	-	1909	6	-	-	-
Tomatoes	*	*	*	2080	*	-	-	-
Green peppers	154	*	-	*	*	-	-	-
Red peppers	253	120	*	6884	90	*	*	*
Swiss chard	-	-	-	-	-	-	-	-
Root crops	22	11	-	*	11	-	-	-
Beetroot	*	*	-	*	*	-	-	-
Carrot	*	*	-	*	*	-	-	-
Onion	*	*	-	*	*	-	-	-
Potatoes	-	-	-	-	-	-	-	-
Garlic	*	*	-	*	*	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	-	*	*	-	-	-
Other Temporary	747	491	*	15627	384	*	*	*
Permanent crops	357	168		17704	165			
Avocado	*	*		*	*			
Bananas	61	13		3073	13			
Guava	52	*		3978	*			
Lemons	5	2		1962	2			
Mangoes	48	*		5248	*			
Oranges	154	76		6830	76			
Papayas	33	12		7459	12			
Pineapples	*	-		-	-			
Stimulant	3044	1230		16401	1229			
Chat	2301	942		12617	941			
Coffee	743	288		10796	288			
Hops / 'Geshe'	-	-		-	-			
Enset	-	-		-	-			
Sugar cane	*	*		*	*			
Other permanent	7	*		*	*			

(Table 1.3.10 cont'd.)

Oromia Zone

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	2946	*	*	1268	*	*	91142	60059	13243
Cereals	*	*	*	1268	*	*	84607	48042	11614
Teff	*	*	*	*	*	-	22864	5568	1942
Barley	-	-	-	-	-	-	4981	418	*
Wheat	-	-	-	-	-	-	6693	1448	*
Maize	*	*	*	*	*	*	54028	4326	2205
Sorghum	*	*	*	*	*	*	71600	36249	6771
Finger millet	-	-	-	-	-	-	*	*	*
Oats / 'Aja'	-	-	-	-	-	-	*	*	*
Rice	-	-	-	*	*	-	-	-	-
Pulses	*	*	*	-	-	-	26269	2832	874
Horse / Faba beans	-	-	-	-	-	-	*	*	*
Field Peas	-	-	-	-	-	-	*	*	*
Haricot beans	*	*	*	-	-	-	18252	1739	302
Chick peas	-	-	-	-	-	-	3882	549	293
Lentils	-	-	-	-	-	-	1730	*	*
Vetch / Grass peas	-	-	-	-	-	-	*	*	*
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	*	*	*	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	*	*	*	*	*	*	37544	4559	755
Neug	-	-	-	-	-	-	*	*	*
Linseed	-	-	-	*	*	*	4549	*	*
Groundnuts	-	-	-	-	-	-	7759	*	*
Safflower	*	*	*	*	*	-	10351	261	33
Sesame	-	-	-	-	-	-	26736	3276	317
Rapeseed	*	*	*	-	-	-	2110	*	*
Vegetables	*	*	*	-	-	-	21244	451	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	2405	*	-
Tomatoes	*	*	*	-	-	-	3689	*	-
Green peppers	-	-	-	-	-	-	6859	154	-
Red peppers	*	*	*	-	-	-	10370	221	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	-	-	-	-	-	-	2036	22	-
Beetroot	-	-	-	-	-	-	*	*	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	-	-	-	-	-	-	*	*	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	*	*	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	*	*	-
Other									
Temporary	1338	*	*	-	-	-	23632	743	-
Permanent crops							23528	289	
Avocado							*	*	
Bananas							5022	56	
Guava							4587	44	
Lemons							2237	2	
Mangoes							6037	22	
Oranges							9170	150	
Papayas							8305	14	
Pineapples							-	-	
Stimulant							26266	3010	
Chat							23457	2276	
Coffee							16214	735	
Hops / 'Gesho'							-	-	
Enset							-	-	
Sugar cane							1075	*	
Other permanent							2267	7	

(Table 1.3.10 Cont'd.)

Oromia Zone

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	6,719	*	*	21,311	8,451	13,443	1,344	*	*
Cereals	*	*	*	16,054	7,242	4,420	341	*	*
Teff	*	*	*	*	*	689	*	*	*
Barley	-	-	-	-	-	-	-	-	-
Wheat	*	*	*	*	*	-	-	*	*
Maize	*	*	*	*	*	3,391	202	869	*
Sorghum	*	*	*	14,074	6,564	1,196	*	*	*
Finger millet	-	-	-	*	*	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	*	*	-	-
Rice	*	*	*	-	-	-	-	*	*
Pulses	*	*	*	3,692	*	-	-	*	*
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	*	*	-	-	-	-
Haricot beans	*	*	*	3,183	*	-	-	*	*
Chick peas	-	-	-	*	*	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	*	*	*	*	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	*	*
Safflower	-	-	-	*	*	*	*	*	*
Sesame	-	-	-	*	*	*	*	*	*
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	*	*	-	*	*	2,978	*	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	*	*	-	-
Tomatoes	-	-	-	-	-	*	*	-	-
Green peppers	-	-	-	*	*	*	*	-	-
Red peppers	*	*	-	-	-	2,459	*	*	*
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	-	-	-	*	*	682	*	-	-
Beetroot	-	-	-	*	*	*	*	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	*	*	-	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	*	*	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other									
Temporary	*	*	-	*	*	1,251	*	*	*
Permanent crops				870	*	7,252	140	*	*
Avocado				-	-	*	*	*	*
Bananas				-	-	1,540	*	-	-
Guava				-	-	2,721	*	*	*
Lemons				-	-	*	*	*	*
Mangoes				*	*	3,330	*	*	*
Oranges				*	*	3,965	51	*	*
Papayas				*	*	1,790	*	*	*
Pineapples				-	-	-	-	-	-
Stimulant	*	*	-	2,427	*	6,551	620	*	*
Chat				2,427	*	6,038	534	*	*
Coffee	*	*	-	-	-	2,819	*	-	-
Hops / 'Gescho'				-	-	-	-	-	-
Enset				-	-	-	-	-	-
Sugar cane				-	-	*	*	-	-
Other permanent				-	-	-	-	-	-

Table1.3.11 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Argoba special

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	5350	2221	*	5176	2064	*	*	*
Cereals	4317	1989	*	4881	1833	*	*	*
Teff	211	81	*	374	75	*	*	*
Barley	14	2	-	86	2	-	-	-
Wheat	7	*	-	70	*	-	-	-
Maize	500	229	*	2755	226	*	*	*
Sorghum	3556	1668	*	4409	1520	*	*	*
Finger millet	3	2	-	109	2	-	-	-
Oats / 'Aja'	*	*	-	*	*	-	-	-
Rice	-	-	-	-	-	-	-	-
Pulses	283	95	*	1309	94	*	*	*
Horse / Faba beans	*	-	-	-	-	-	-	-
Field Peas	51	12	-	166	12	-	-	-
Haricot beans	187	70	*	1042	69	*	*	*
Chick peas	10	*	-	*	*	-	-	-
Lentils	30	*	-	95	*	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	*	-	-	-	-	-	-	-
Fenugreek	2	*	-	230	*	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	640	82	*	1007	82	*	*	*
Neug	*	-	-	-	-	-	-	-
Linseed	9	1	-	129	1	-	-	-
Groundnuts	-	-	-	-	-	-	-	-
Safflower	43	8	*	365	8	*	*	*
Sesame	587	73	-	632	73	-	-	-
Rapeseed	-	-	-	-	-	-	-	-
Vegetables	25	17	-	1377	17	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-
Ethiopian cabbage	*	*	-	101	*	-	-	-
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	1	1	-	153	1	-	-	-
Red peppers	23	16	-	1172	16	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
Root crops	*	*	-	419	*	-	-	-
Beetroot	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	-	-
Potatoes	*	*	-	*	*	-	-	-
Garlic	*	*	-	267	*	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	-	136	*	-	-	-
Other Temporary	49	22	-	1683	22	-	-	-
Permanent crops	26	*	-	396	*	-	-	-
Avocado	*	*	-	*	*	-	-	-
Bananas	*	*	-	*	*	-	-	-
Guava	1	*	-	64	*	-	-	-
Lemons	*	*	-	*	*	-	-	-
Mangoes	*	*	-	195	*	-	-	-
Oranges	*	*	-	94	*	-	-	-
Papayas	*	*	-	222	*	-	-	-
Pineapples	*	*	-	*	*	-	-	-
Stimulant	7	3	-	232	3	-	-	-
Chat	2	*	-	85	*	-	-	-
Coffee	5	1	-	214	1	-	-	-
Hops / 'Gesho'	*	*	-	*	*	-	-	-
Enset	-	-	-	-	-	-	-	-
Sugar cane	*	*	-	*	*	-	-	-
Other permanent	*	*	-	*	*	-	-	-

(Table 1.3.11 ont'd.)

Argoba Special

[illegible]

(Table 1.3.11 Cont'd.)

Argoba Special

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	119	*	7	2,763	1,514	494	45	*	*
Cereals	119	*	7	2,731	1,455	216	24	*	*
Teff	*	*	*	194	30	-	-	*	*
Barley	*	*	*	-	-	-	-	-	-
Wheat	*	*	*	-	-	-	-	-	-
Maize	*	*	*	744	65	143	*	*	*
Sorghum	85	*	4	2,685	1,360	*	*	*	*
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	-	262	17	-	-	-	-
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	*	*	-	-	-	-	-	-	-
Haricot beans	-	-	-	245	17	-	-	-	-
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	*	*	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	*	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	*	*	*	335	38	*	*	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	*	*	-	-	-	-
Sesame	*	*	*	288	37	*	*	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	-	-	-	*	*	*	*	-	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	*	*	-	-
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	*	*	-	-	-	-
Red peppers	-	-	-	*	*	*	*	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	-	-	-	-	-	136	*	-	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	*	*	-	-
Garlic	-	-	-	-	-	*	*	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	*	*	-	-
Other									
Temporary	-	-	-	102	*	*	*	-	-
Permanent crops				*	*	300	*	-	-
Avocado				*	*	*	*	-	-
Bananas				-	-	*	*	-	-
Guava				-	-	*	*	-	-
Lemons				-	-	*	*	-	-
Mangoes				-	-	150	*	-	-
Oranges				-	-	*	*	-	-
Papayas				-	-	172	*	-	-
Pineapples				-	-	-	-	-	-
Stimulant	-	-	-	*	*	145	1	-	-
Chat				*	*	*	*	-	-
Coffee	-	-	-	-	-	128	1	-	-
Hops / 'Gescho'				-	-	*	*	-	-
Enset				-	-	-	-	-	-
Sugar cane				-	-	*	*	-	-
Other permanent				-	-	*	*	-	-

Table1.4 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Oromia Region

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	6307945	3173077	*	3438168	768287	1764300	1268855	*
Cereals	4457076	2679627	2278618	2323735	505107	1649105	1124294	*
Teff	1293514	915260	*	208536	42643	748224	361430	*
Barley	460545	284356	228778	346489	58280	477955	180135	216867
Wheat	740811	618214	494362	218334	32565	619296	382344	422796
Maize	1102256	646197	*	1905063	257957	497834	141792	*
Sorghum	743379	167987	34217	562228	110481	102920	19595	14199
Finger millet	87062	34690	17529	25892	1717	91245	29281	16852
Oats / 'Aja'	27344	11829	*	25233	1400	41080	9599	*
Rice	2165	*	*	*	*	*	*	*
Pulses	636575	179311	82979	872438	71156	345778	84277	73354
Horse / Faba beans	185911	64823	33532	348591	30839	180131	31444	33019
Field Peas	85959	32045	14154	75108	8520	73517	17299	13087
Haricot beans	153814	60577	29252	398530	23160	102255	28915	23587
Chick peas	87721	4285	1113	28227	2348	4904	*	473
Lentils	36828	6614	2935	22342	1152	31224	2170	2376
Vetch / Grass peas	58086	2566	*	19197	1548	*	*	*
Soya beans	10679	819	*	9123	368	*	*	*
Fenugreek	17348	7579	1118	145750	3216	20743	*	732
Gibto	*	*	*	*	*	-	-	-
Oilseeds	399075	40359	*	293109	15661	69378	11785	*
Neug	193175	7370	889	12137	2194	7492	4762	731
Linseed	69997	5412	1852	41325	1998	21781	2936	1680
Groundnuts	42348	9801	*	39408	3869	11596	1136	1097
Safflower	*	98	*	6491	78	-	-	-
Sesame	78749	8444	1468	17642	*	6308	*	572
Rapeseed	13953	9235	*	183361	4989	23513	1179	*
Vegetables	68345	39937	*	1510820	18246	105285	7166	*
Lettuce	*	*	*	7623	*	-	-	-
Head cabbage	2826	2060	838	211012	1430	10772	*	809
Ethiopian cabbage	11470	7670	1534	912590	7109	20309	225	*
Tomatoes	5035	*	805	49079	316	11598	*	741
Green peppers	3382	2099	529	451806	1768	12658	154	366
Red peppers	45363	23887	*	359243	7523	61965	5763	*
Swiss chard	158	95	*	33120	88	*	*	*
Root crops	84861	57006	61674	1123451	22719	203322	22774	54329
Beetroot	1677	1338	462	221642	923	7265	307	370
Carrot	*	*	*	69069	*	3927	*	*
Onion	15639	12611	*	242287	2181	30997	*	*
Potatoes	28167	24588	24698	155017	4264	129561	14402	21944
Garlic	6612	*	*	341739	*	12181	*	376
Taro 'Godere'	7517	3570	*	271066	3504	*	*	*
Sweet potatoes	22580	7469	2351	227833	4993	29893	1067	1213
Other Temporary	37171	16517	*	877691	11812	46501	*	*
Permanent crops	21734	6219		460790	5875			
Avocado	3049	1076		113837	1061			
Bananas	12835	3989		308005	3727			
Guava	433	101		21196	101			
Lemons	160	*		9155	*			
Mangoes	3384	486		102580	445			
Oranges	1090	213		43652	190			
Papayas	747	268		64546	265			
Pineapples	35	*		*	*			
Stimulant	498846	99212		1084763	63694			
Chat	125849	61621		580304	33584			
Coffee	368405	35025		526153	27648			
Hops / 'Gesho'	4591	2566		217723	2462			
Enset	94045	51539		970291	51343			
Sugar cane	7828	2295		154034	2035			
Other permanent	2390	1055		173225	640			

(Table 1.4 cont'd.)

Oromia Region

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	375450	123218	136757	1399430	1012718	179573	5477005	5883569	4560346
Cereals	293703	91252	91445	1357571	958975	172190	5105820	4102950	3716401
Teff	101228	33359	24004	675702	477829	103024	2382243	1283751	695952
Barley	17022	2642	2041	132560	43300	9869	1474216	452987	898143
Wheat	41606	8661	*	442474	194644	55063	1630116	681060	1481758
Maize	131721	21673	28361	622247	224775	3678	3613453	826339	368227
Sorghum	82495	23755	19881	68127	14155	*	2176975	742322	192548
Finger millet	5401	831	398	14980	2862	*	428994	86983	33707
Oats / 'Aja'	*	*	*	12473	691	*	193215	27344	44019
Rice	*	*	*	*	*	*	22979	2165	*
Pulses	41144	4811	6824	106745	19067	2800	2667623	631412	726219
Horse / Faba beans	3538	307	281	17796	2233	*	1236086	185215	267519
Field Peas	*	*	*	22314	6177	*	432817	85651	99430
Haricot beans	22910	2216	*	43909	6286	*	1163490	151806	124136
Chick peas	*	*	*	5152	743	*	291226	86252	116949
Lentils	4514	427	230	17232	2865	*	263128	36222	33708
Vetch / Grass peas	*	*	*	*	*	*	238090	58040	69562
Soya beans	*	*	*	1224	*	-	42058	10679	*
Fenugreek	6670	*	264	14092	482	*	333888	17317	6798
Gibto	*	-	*	-	-	-	1513	*	*
Oilseeds	30545	8074	*	56759	4839	516	1382965	397914	117725
Neug	*	*	*	3131	346	*	484276	193084	30980
Linseed	4347	*	136	13202	385	*	367534	69620	47390
Groundnuts	*	*	*	2291	*	-	176871	42348	24372
Safflower	*	*	*	-	-	-	21985	*	*
Sesame	6559	*	*	1301	*	*	268681	78620	12811
Rapeseed	3406	76	177	38053	2992	*	342320	13389	1924
Vegetables	56588	6683	5116	76565	7842	*	2431843	67510	-
Lettuce	*	*	*	-	-	-	14866	*	-
Head cabbage	2544	*	29	4343	*	-	335091	2702	-
Ethiopian cabbage	2054	*	*	4087	*	-	1320114	11398	-
Tomatoes	*	*	*	5426	*	-	104109	4747	-
Green peppers	3627	*	*	4938	*	*	734560	3362	-
Red peppers	47417	6264	4551	62404	4337	*	792094	45033	-
Swiss chard	*	*	*	-	-	-	44724	158	-
Root crops	47683	2389	4264	81341	9124	*	2146253	82783	-
Beetroot	*	*	*	3193	*	*	329341	1607	-
Carrot	-	-	-	*	*	-	95875	1017	-
Onion	8666	648	744	26371	3102	*	429458	15549	-
Potatoes	*	*	*	31092	5023	*	400689	28065	-
Garlic	3742	*	102	8353	*	*	519055	6607	-
Taro 'Godere'	-	-	-	*	*	-	485819	7490	-
Sweet potatoes	16955	755	*	16941	655	*	674601	22448	-
Other									
Temporary	8486	142	*	21730	854	-	1441531	37105	-
Permanent crops							1026651	19205	
Avocado							225902	2632	
Bananas							723715	11695	
Guava							67003	344	
Lemons							24118	145	
Mangoes							310966	2867	
Oranges							134853	925	
Papayas							157845	576	
Pineapples							8292	*	
Stimulant							2455001	444940	
Chat							1357878	118338	
Coffee							1501588	322260	
Hops / 'Geshe'							402980	4342	
Enset							1425687	90167	
Sugar cane							359760	7473	
Other permanent							317547	2110	

(Table 1.4 Cont'd.)

Oromia Region

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	947,112	378,884	230,656	2,156,916	1,710,386	359,946	70,190	1,435,152	912,856
Cereals	803,888	350,945	225,096	2,060,534	1,617,603	190,797	30,502	1,361,364	792,420
Teff	22,401	8,619	5,165	1,305,609	775,560	17,102	2,396	266,014	139,091
Barley	20,337	7,125	14,932	483,531	172,496	5,883	312	175,061	61,601
Wheat	126,952	58,977	128,248	948,598	524,582	4,157	*	359,342	225,067
Maize	678,244	275,301	76,541	168,128	59,186	132,286	12,983	910,200	320,886
Sorghum	1,605	*	*	104,049	51,401	93,639	14,313	165,148	38,302
Finger millet	*	*	*	91,269	21,621	-	-	5,445	*
Oats / 'Aja'	-	-	-	70,187	12,551	-	-	26,533	6,388
Rice	-	-	-	*	*	*	*	*	*
Pulses	20,537	4,053	5,379	137,303	45,637	34,085	1,356	236,427	58,368
Horse / Faba beans	3,900	*	*	55,399	12,165	3,621	142	74,966	13,032
Field Peas	*	*	*	32,491	7,288	*	*	21,720	5,756
Haricot beans	8,565	1,703	1,817	21,467	7,333	24,013	907	122,474	22,895
Chick peas	*	*	*	15,737	7,923	*	*	26,742	9,108
Lentils	4,193	606	594	35,058	8,242	*	*	27,261	5,016
Vetch / Grass peas	*	-	*	11,917	*	*	*	10,047	1,539
Soya beans	-	-	-	*	*	*	*	*	*
Fenugreek	*	*	*	5,480	177	5,343	117	17,089	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	4,093	822	*	45,158	19,159	11,621	*	88,260	12,519
Neug	-	-	-	2,356	*	*	*	4,828	*
Linseed	*	*	*	38,561	15,457	2,993	*	20,191	1,954
Groundnuts	-	-	-	*	*	*	*	14,713	*
Safflower	-	-	-	-	-	-	-	*	*
Sesame	*	*	*	*	*	1,663	*	4,973	*
Rapeseed	2,902	510	*	2,657	*	*	*	43,667	2,963
Vegetables	24,254	730	-	48,445	5,317	52,059	*	87,652	5,272
Lettuce	*	*	-	-	-	*	*	*	*
Head cabbage	15,585	122	-	4,882	*	8,059	69	6,035	*
Ethiopian cabbage	1,743	*	-	9,276	*	13,314	*	29,228	*
Tomatoes	5,328	*	-	5,756	*	20,641	*	8,004	626
Green peppers	*	*	-	11,677	107	14,852	254	17,729	213
Red peppers	*	*	-	19,319	*	9,861	77	34,575	4,074
Swiss chard	*	*	-	*	*	*	*	3,600	*
Root crops	38,172	*	-	110,257	17,713	103,852	6,408	121,299	6,813
Beetroot	16,237	69	-	4,335	*	8,229	36	10,357	70
Carrot	14,653	*	-	*	*	*	*	8,362	*
Onion	6,290	19	-	40,244	*	26,147	2,505	27,079	*
Potatoes	2,720	102	-	57,331	8,594	12,175	752	35,326	2,382
Garlic	*	*	-	10,951	542	9,694	*	18,712	*
Taro 'Godere'	-	-	-	*	*	*	*	2,771	*
Sweet potatoes	2,047	*	-	*	*	55,876	2,817	40,408	1,196
Other									
Temporary	*	*	-	7,418	*	21,928	*	50,044	1,374
Permanent crops				3,266	*	76,578	1,596	17,373	256
Avocado				*	*	*	*	3,594	*
Bananas				*	*	62,232	1,256	8,588	143
Guava				*	*	2,568	*	*	*
Lemons				-	-	*	*	*	*
Mangoes				-	-	8,317	*	4,002	56
Oranges				*	*	6,061	*	1,943	*
Papayas				*	*	8,164	40	*	*
Pineapples				-	-	*	*	-	-
Stimulant	120,531	18,075	-	38,758	4,024	235,385	20,854	242,808	34,050
Chat				32,610	3,683	192,530	16,937	180,838	20,047
Coffee	119,263	17,940	-	7,682	341	98,562	3,916	100,162	14,004
Hops / 'Gesho'				*	*	19,948	386	10,051	178
Enset				3,528	87	4,750	30		
Sugar cane				-	-	58,188	2,281	5,726	*
Other permanent				*	*	6,223	*	6,802	*

Table1.4.1 Number of Holders, Inputs Applied Area and Quantity of Inputs used

West Welega

Crop type	All	All Fertilizers		Natural		DAP		
	Crop Area	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	346717	106324	27691	187249	45834	89284	45535	26851
Cereals	197987	94256	27122	149366	34815	87453	45015	26421
Teff	36607	28492	15358	10869	966	60896	25032	15247
Barley	1231	208	*	9212	196	*	*	*
Wheat	2769	1508	515	14410	835	9979	623	515
Maize	68760	39667	1488	139379	28113	7316	1238	1015
Sorghum	51207	4787	221	32993	4367	3075	338	219
Finger millet	37238	19591	9526	3314	336	45459	17772	9411
Oats / 'Aja'	*	*	-	*	*	-	-	-
Rice	*	-	-	-	-	-	-	-
Pulses	17911	1976	*	71197	1887	*	*	*
Horse / Faba beans	3451	723	48	20380	648	*	*	*
Field Peas	972	171	*	7865	157	*	*	*
Haricot beans	11407	842	-	49292	842	-	-	-
Chick peas	*	*	-	2689	*	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch / Grass peas	104	75	-	3708	75	-	-	-
Soya beans	*	*	-	*	*	-	-	-
Fenugreek	*	40	-	4266	40	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	40205	1165	*	38477	1025	*	*	*
Neug	25449	*	-	2366	*	-	-	-
Linseed	1050	*	-	1480	*	-	-	-
Groundnuts	307	*	-	*	*	-	-	-
Safflower	*	*	*	*	*	-	-	-
Sesame	*	*	-	*	*	-	-	-
Rapeseed	1474	940	*	33984	804	*	*	*
Vegetables	2826	1783	*	89694	1569	2641	*	35
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	52	26	*	8876	24	*	*	*
Ethiopian cabbage	335	*	-	11654	*	-	-	-
Tomatoes	18	*	-	*	*	-	-	-
Green peppers	110	*	-	7038	*	-	-	-
Red peppers	2309	1520	*	70569	1308	2381	*	33
Swiss chard	*	-	-	-	-	-	-	-
Root crops	4445	1547	*	67442	1307	*	*	*
Beetroot	58	46	*	8089	44	*	*	*
Carrot	19	6	-	3219	6	-	-	-
Onion	*	27	-	7252	27	-	-	-
Potatoes	*	*	-	*	*	-	-	-
Garlic	41	12	*	8706	12	-	-	-
Taro 'Godere'	438	154	*	20897	149	*	*	*
Sweet potatoes	3649	1289	*	41749	1058	*	*	*
Other Temporary	5963	3469	*	99060	3250	*	*	*
Permanent crops	4043	679		47371	669			
Avocado	556	68		9930	68			
Bananas	2032	342		29068	332			
Guava	*	*		*	*			
Lemons	*	*		*	*			
Mangoes	917	95		11419	95			
Oranges	420	120		15961	120			
Papayas	64	*		6415	*			
Pineapples	*	*		*	*			
Stimulant	72559	1377		34348	1239			
Chat	2506	*		13077	*			
Coffee	69842	1044		20507	925			
Hops / 'Geshe'	211	*		7543	*			
Enset	109	*		*	*			
Sugar cane	617	*		2601	*			
Other permanent	52	*		*	*			

(Table 1.4.1cont'd.)

West Welega

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	5750	541	434	61533	14415	*	269278	327725	88144
Cereals	2737	360	*	60458	14066	*	256293	188894	72736
Teff	*	*	*	7338	2479	*	106192	36463	22780
Barley	-	-	-	-	-	-	34771	1231	1525
Wheat	-	-	-	1709	50	-	42781	2769	2460
Maize	1940	*	*	52996	10041	*	237014	59992	17719
Sorghum	*	*	*	*	*	-	204198	51093	13442
Finger millet	*	*	*	5158	1421	*	131456	37172	14753
Oats / 'Aja'	-	-	-	-	-	-	*	*	*
Rice	-	-	-	-	-	-	*	*	*
Pulses	*	*	*	*	*	-	155535	17908	9538
Horse / Faba beans	*	*	*	*	*	-	56523	3449	2984
Field Peas	-	-	-	*	*	-	29499	972	825
Haricot beans	-	-	-	-	-	-	118011	11406	4798
Chick peas	-	-	-	-	-	-	7071	*	145
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	5699	104	82
Soya beans	-	-	-	-	-	-	*	*	*
Fenugreek	-	-	-	-	-	-	11295	*	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	*	*	*	3412	103	-	161727	40077	5869
Neug	-	-	-	-	-	-	96013	25449	3897
Linseed	-	-	-	-	-	-	19518	1050	200
Groundnuts	-	-	-	-	-	-	9451	307	200
Safflower	*	*	*	-	-	-	*	*	*
Sesame	-	-	-	-	-	-	35050	*	1353
Rapeseed	*	*	*	3412	103	-	53599	1474	217
Vegetables	*	*	*	*	*	-	149293	2825	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	*	*	-	19198	51	-
Ethiopian cabbage	-	-	-	-	-	-	26675	335	-
Tomatoes	-	-	-	-	-	-	*	18	-
Green peppers	-	-	-	-	-	-	18087	110	-
Red peppers	*	*	*	*	*	-	113514	2309	-
Swiss chard	-	-	-	-	-	-	*	*	-
Root crops	*	*	*	1083	*	*	159769	4431	-
Beetroot	-	-	-	*	*	-	13390	51	-
Carrot	-	-	-	-	-	-	8148	18	-
Onion	-	-	-	-	-	-	11675	*	-
Potatoes	-	-	-	-	-	-	3695	*	-
Garlic	*	*	*	-	-	-	19237	41	-
Taro 'Godere'	-	-	-	-	-	-	53343	438	-
Sweet potatoes	*	*	*	*	*	*	127290	3642	-
Other									
Temporary	-	-	-	*	*	-	169208	5958	-
Permanent crops							153175	3800	
Avocado							34119	534	
Bananas							113285	1893	
Guava							*	*	
Lemons							3980	*	
Mangoes							60406	864	
Oranges							43673	399	
Papayas							23354	56	
Pineapples							*	*	
Stimulant							204951	63070	
Chat							53847	*	
Coffee							193599	60463	
Hops / 'Geshe'							27059	198	
Enset							17292	104	
Sugar cane							17362	612	
Other permanent							13525	46	

(Table 1.4.1 Cont'd.)

West Welega

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	53,252	9,774	2,333	75,885	22,991	5,589	481	46,678	8,887
Cereals	49,061	9,075	2,320	74,740	22,787	*	*	43,687	7,841
Teff	*	*	*	18,272	7,361	-	-	*	*
Barley	-	-	-	*	*	-	-	*	*
Wheat	-	-	-	10,743	674	-	-	*	*
Maize	47,785	8,750	2,221	23,353	2,951	*	*	41,114	7,264
Sorghum	*	*	*	8,499	2,723	-	-	1,603	*
Finger millet	*	*	*	32,142	9,021	-	-	*	*
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	*	*	-	-
Pulses	*	*	*	*	*	*	*	*	*
Horse / Faba beans	*	*	*	*	*	*	*	*	*
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	*	*	*	*	*	*	*	*	*
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	*	*	*	*	*	-	-	2,920	*
Neug	-	-	-	*	*	-	-	*	*
Linseed	-	-	-	*	*	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	*	*	*	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	2,427	56
Vegetables	*	*	-	*	*	-	-	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	*	*	-	-	*	*
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	-	-	-	-
Red peppers	-	-	-	*	*	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	2,085	*	-	*	*	-	-	*	*
Beetroot	*	*	-	-	-	-	-	*	*
Carrot	*	*	-	-	-	-	-	-	-
Onion	-	-	-	*	*	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	-	-	-	-	-	-	-
Other									
Temporary	*	*	-	*	*	*	*	*	*
Permanent crops				*	*	*	*	*	*
Avocado				*	*	-	-	-	-
Bananas				-	-	*	*	*	*
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	-	-	-	-
Oranges				*	*	-	-	-	-
Papayas				-	-	-	-	-	-
Pineapples				-	-	-	-	-	-
Stimulant	3,285	554	-	-	-	*	*	3,764	784
Chat				-	-	*	*	-	-
Coffee	3,285	554	-	-	-	*	*	3,764	784
Hops / 'Geshe'				-	-	-	-	-	-
Enset				-	-	-	-	-	-
Sugar cane				-	-	*	*	-	-
Other permanent				-	-	-	-	*	*

Table1.4.2 Number of Holders, Inputs Applied Area and Quantity of Inputs used

East Welega

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	374893	159782	42796	149283	27887	72687	57354	35671
Cereals	267833	143810	39953	104273	20147	69889	55405	34467
Teff	73521	50314	23333	6037	*	58057	40301	23117
Barley	4598	825	-	11246	781	-	-	-
Wheat	7807	2810	475	7453	475	3038	501	472
Maize	111414	80292	10544	99139	15996	17953	6480	5561
Sorghum	53901	598	-	7902	598	-	-	-
Finger millet	15980	8969	5601	*	*	19748	8122	5317
Oats / 'Aja'	*	-	-	-	-	-	-	-
Rice	*	-	-	-	-	-	-	-
Pulses	15619	2606	*	37048	1882	*	*	*
Horse / Faba beans	5850	1395	*	18542	1285	1544	*	*
Field Peas	2376	*	*	2276	54	*	*	*
Haricot beans	1617	*	-	11800	*	-	-	-
Chick peas	840	*	-	*	*	-	-	-
Lentils	*	*	-	*	*	-	-	-
Vetch / Grass peas	*	-	-	-	-	-	-	-
Soya beans	*	*	-	-	-	-	-	-
Fenugreek	185	*	-	12323	*	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	70367	6529	1329	26786	1327	4455	*	*
Neug	36680	*	*	1679	*	*	*	*
Linseed	*	*	*	*	*	*	*	*
Groundnuts	*	*	*	*	*	-	-	-
Safflower	*	*	-	*	*	-	-	-
Sesame	22418	*	*	*	*	*	*	*
Rapeseed	1669	1271	*	23376	1022	*	*	*
Vegetables	3934	2908	555	83280	1401	4250	217	*
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	60	37	-	10508	37	-	-	-
Ethiopian cabbage	140	87	-	9948	86	-	-	-
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	189	161	-	23130	161	-	-	-
Red peppers	3454	2566	555	59152	1059	4250	217	*
Swiss chard	*	*	-	*	*	-	-	-
Root crops	2651	716	*	48324	567	1699	*	*
Beetroot	72	*	-	13339	*	-	-	-
Carrot	*	8	*	3236	6	*	*	*
Onion	240	175	*	16228	95	*	*	*
Potatoes	*	208	*	4021	195	*	*	*
Garlic	114	86	*	21730	86	*	*	*
Taro 'Godere'	60	34	-	6730	34	-	-	-
Sweet potatoes	1493	161	*	9413	107	*	*	*
Other Temporary	2618	2010	*	56170	1418	*	*	*
Permanent crops	1062	199		21363	195			
Avocado	*	*		1490	*			
Bananas	590	167		16243	164			
Guava	*	*		*	*			
Lemons	*	*		*	*			
Mangoes	421	28		5408	27			
Oranges	*	*		*	*			
Papayas	15	2		1271	2			
Pineapples	-	-		-	-			
Stimulant	10429	935		36900	923			
Chat	743	138		7780	138			
Coffee	9320	633		20947	622			
Hops / 'Geshe'	366	164		16459	162			
Enset	*	*		*	*			
Sugar cane	205	*		*	*			
Other permanent	*	*		4062	11			

(Table 1.4.2 cont'd.)

East Welega

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	22741	10763	7116	76788	63779	*	221976	319804	116693
Cereals	12845	6789	5486	76074	61468	-	212261	216103	89132
Teff	1693	508	*	15912	7239	-	119431	73407	36120
Barley	-	-	-	*	*	-	33409	4565	6856
Wheat	*	*	*	8507	*	-	43201	7751	10737
Maize	9187	5681	4983	67207	52135	-	184892	59885	18396
Sorghum	-	-	-	-	-	-	116120	53901	10557
Finger millet	*	*	*	*	*	-	59782	15980	5945
Oats / ‘Aja’	-	-	-	-	-	-	*	*	*
Rice	-	-	-	-	-	-	*	*	*
Pulses	-	-	-	1319	*	-	89948	15548	13920
Horse / Faba beans	-	-	-	*	*	-	50303	5850	6391
Field Peas	-	-	-	*	*	-	16403	2353	2329
Haricot beans	-	-	-	*	*	-	32531	1569	896
Chick peas	-	-	-	-	-	-	6308	840	455
Lentils	-	-	-	-	-	-	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	*	*	*
Soya beans	-	-	-	*	*	-	*	*	*
Fenugreek	-	-	-	-	-	-	16471	185	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	6464	*	*	*	*	-	145080	70316	13641
Neug	-	-	-	*	*	-	81090	36680	5443
Linseed	-	-	-	-	-	-	3727	*	30
Groundnuts	*	*	*	-	-	-	22120	*	*
Safflower	-	-	-	-	-	-	*	*	*
Sesame	*	*	*	*	*	-	58453	22418	3487
Rapeseed	-	-	-	*	*	-	36599	1618	109
Vegetables	*	*	*	11253	858	*	135051	3864	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	13246	52	-
Ethiopian cabbage	-	-	-	*	*	-	15013	140	-
Tomatoes	-	-	-	-	-	-	1713	*	-
Green peppers	-	-	-	-	-	-	31852	189	-
Red peppers	*	*	*	11253	857	*	103355	3454	-
Swiss chard	-	-	-	-	-	-	*	*	-
Root crops	*	*	*	*	*	-	98019	2605	-
Beetroot	-	-	-	-	-	-	15968	65	-
Carrot	-	-	-	-	-	-	3966	*	-
Onion	*	*	*	*	*	-	23677	229	-
Potatoes	-	-	-	-	-	-	10357	*	-
Garlic	-	-	-	-	-	-	29773	113	-
Taro ‘Godere’	-	-	-	-	-	-	14466	57	-
Sweet potatoes	-	-	-	*	*	-	46399	1471	-
Other									
Temporary	*	*	*	5101	*	-	88037	2618	-
Permanent crops							64769	969	
Avocado							3074	8	
Bananas							36045	522	
Guava							*	*	
Lemons							1876	*	
Mangoes							37325	405	
Oranges							1365	*	
Papayas							5818	14	
Pineapples							-	-	
Stimulant							88203	7410	
Chat							27080	611	
Coffee							61038	6457	
Hops / ‘Gesho’							33738	342	
Enset							*	*	
Sugar cane							7561	204	
Other permanent							10814	*	

(Table 1.4.2 Cont'd.)

East Welega

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	73,299	52,319	12,588	69,333	56,736	5,952	425	67,758	51,887
Cereals	63,873	51,697	12,572	67,847	56,524	-	-	66,020	50,724
Teff	*	*	*	50,485	31,737	-	-	*	*
Barley	-	-	-	*	*	-	-	-	-
Wheat	*	*	*	16,817	3,648	-	-	1,343	*
Maize	63,068	51,528	12,064	5,193	*	-	-	63,617	48,957
Sorghum	-	-	-	13,341	8,796	-	-	*	*
Finger millet	-	-	-	17,344	4,807	-	-	*	*
Oats / 'Aja'	-	-	-	*	*	-	-	-	-
Rice	-	-	-	*	*	-	-	-	-
Pulses	*	*	*	*	*	*	*	*	*
Horse / Faba beans	-	-	-	*	*	-	-	*	*
Field Peas	-	-	-	*	*	-	-	*	*
Haricot beans	*	*	*	-	-	*	*	*	*
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	*	*	-	-	-	-	-	*	*
Neug	-	-	-	-	-	-	-	*	*
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	*	*	-	-	-	-	-	*	*
Vegetables	3,666	*	-	*	*	2,482	*	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	2,382	*	-	-	-	-	-	*	*
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	*	*	-	*	*	*	*	*	*
Green peppers	-	-	-	-	-	*	*	*	*
Red peppers	-	-	-	*	*	1,013	*	*	*
Swiss chard	*	*	-	-	-	-	-	*	*
Root crops	5,666	*	-	*	*	3,110	265	*	*
Beetroot	2,844	7	-	-	-	*	*	*	*
Carrot	*	*	-	-	-	*	*	*	*
Onion	*	*	-	*	*	1,727	*	*	*
Potatoes	-	-	-	-	-	*	*	-	-
Garlic	*	*	-	-	-	-	-	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	-	-	-	-	-	*	*
Other									
Temporary	-	-	-	-	-	-	-	*	*
Permanent crops				*	*	*	*	*	*
Avocado				-	-	-	-	-	-
Bananas				-	-	*	*	*	*
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	-	-	*	*
Oranges				-	-	-	-	-	-
Papayas				*	*	-	-	-	-
Pineapples				-	-	-	-	-	-
Stimulant	12,280	408	-	*	*	*	*	*	*
Chat				*	*	*	*	*	*
Coffee	12,280	408	-	*	*	*	*	*	*
Hops / 'Gesho'				-	-	-	-	*	*
Enset				-	-	-	-	-	-
Sugar cane				-	-	*	*	-	-
Other permanent				-	-	-	-	*	*

Table1.4.3 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Illubabor

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	341913	87280	21732	163543	33265	56192	29529	19117
Cereals	220693	76914	20143	115871	25187	55624	29476	18904
Teff	75490	36937	14117	12853	*	41826	24799	13664
Barley	4905	*	-	5572	*	-	-	-
Wheat	4942	2345	1807	6795	410	10376	1381	1716
Maize	85930	34246	3970	106243	18027	10635	*	3508
Sorghum	41351	1760	*	16727	1728	-	-	-
Finger millet	6910	*	*	*	*	*	*	*
Oats / 'Aja'	*	*	-	*	*	-	-	-
Rice	*	*	*	*	*	-	-	-
Pulses	24464	3036	*	50094	2750	*	*	*
Horse / Faba beans	8253	1017	*	15632	1003	*	*	*
Field Peas	7023	*	-	6125	*	-	-	-
Haricot beans	4407	336	*	27229	274	*	*	*
Chick peas	*	*	-	*	*	-	-	-
Lentils	*	-	-	-	-	-	-	-
Vetch / Grass peas	*	-	-	-	-	-	-	-
Soya beans	*	515	*	3143	*	*	*	*
Fenugreek	204	53	-	9531	53	-	-	-
Gibto	-	-	*	-	-	-	-	-
Oilseeds	16894	851	*	11689	371	*	*	*
Neug	8093	*	*	*	*	-	-	-
Linseed	187	*	-	*	*	-	-	-
Groundnuts	*	*	-	*	*	-	-	-
Safflower	*	-	-	-	-	-	-	-
Sesame	*	*	*	-	-	-	-	-
Rapeseed	645	335	*	9310	276	*	*	*
Vegetables	6009	2112	*	82148	860	*	*	*
Lettuce	*	*	-	*	*	-	-	-
Head cabbage	125	57	-	24481	56	-	-	-
Ethiopian cabbage	761	239	*	38543	232	-	-	-
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	295	106	*	31275	103	*	*	*
Red peppers	4821	1709	*	31326	468	*	*	*
Swiss chard	*	-	-	-	-	-	-	-
Root crops	2050	416	*	71730	404	-	-	-
Beetroot	91	49	*	25345	46	-	-	-
Carrot	7	*	-	3410	*	-	-	-
Onion	56	21	-	13887	21	-	-	-
Potatoes	*	*	-	*	*	-	-	-
Garlic	41	27	*	19006	26	-	-	-
Taro 'Godere'	775	215	-	35351	215	-	-	-
Sweet potatoes	909	60	*	8915	52	-	-	-
Other Temporary	2133	633	-	42157	570	-	-	-
Permanent crops	1854	403	-	42097	378	-	-	-
Avocado	153	28	-	7563	28	-	-	-
Bananas	1049	283	-	28009	282	-	-	-
Guava	*	3	-	2600	3	-	-	-
Lemons	*	*	-	1988	*	-	-	-
Mangoes	467	*	-	11552	34	-	-	-
Oranges	34	*	-	1675	*	-	-	-
Papayas	88	*	-	9768	*	-	-	-
Pineapples	*	*	-	*	*	-	-	-
Stimulant	64962	2080	-	45596	1911	-	-	-
Chat	2789	1195	-	28786	1081	-	-	-
Coffee	62120	852	-	25125	798	-	-	-
Hops / 'Geshe'	*	*	-	2989	*	-	-	-
Enset	2276	786	-	68388	785	-	-	-
Sugar cane	545	45	-	9240	45	-	-	-
Other permanent	32	6	-	9997	6	-	-	-

(Table 1.4.3 cont'd.)

Illubabor

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	14787	3418	2049	56320	21068	*	288094	323851	109519
Cereals	7300	1780	782	55263	20471	*	277495	208404	86432
Teff	3259	1278	453	12281	6598	-	151182	74804	34146
Barley	-	-	-	*	*	-	37283	4905	5029
Wheat	*	*	*	4637	*	*	37314	4222	4580
Maize	*	*	*	45617	12628	*	250484	75046	29061
Sorghum	-	-	-	*	*	*	160017	41351	10365
Finger millet	-	-	-	*	*	-	44200	6910	1894
Oats / 'Aja'	-	-	-	-	-	-	*	*	*
Rice	*	*	*	*	*	*	*	*	*
Pulses	*	*	*	*	*	*	163008	24390	16630
Horse / Faba beans	-	-	-	*	*	-	65419	8252	6071
Field Peas	-	-	-	-	-	-	33305	7023	4345
Haricot beans	-	-	-	*	*	*	100854	4384	2685
Chick peas	-	-	-	-	-	-	*	*	*
Lentils	-	-	-	-	-	-	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	*	*	*
Soya beans	*	*	*	*	*	-	21133	*	*
Fenugreek	-	-	-	-	-	-	18444	204	115
Gibto	*	-	*	-	-	-	*	-	-
Oilseeds	*	*	*	*	*	*	83594	16894	*
Neug	*	*	*	-	-	-	34283	8093	2030
Linseed	-	-	-	-	-	-	6511	187	41
Groundnuts	-	-	-	-	-	-	*	*	*
Safflower	-	-	-	-	-	-	*	*	*
Sesame	*	*	*	*	*	*	23562	*	759
Rapeseed	-	-	-	*	*	-	21277	645	25
Vegetables	6845	*	*	*	*	-	177809	6004	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	-	-	-	*	*	-	49542	122	-
Ethiopian cabbage	*	*	*	*	*	-	86433	761	-
Tomatoes	-	-	-	-	-	-	2829	*	-
Green peppers	-	-	-	*	*	-	67027	293	-
Red peppers	6527	*	*	*	*	-	79516	4821	-
Swiss chard	-	-	-	-	-	-	*	*	-
Root crops	*	*	*	*	*	*	153905	2037	-
Beetroot	-	-	-	*	*	*	44366	81	-
Carrot	-	-	-	-	-	-	5316	7	-
Onion	-	-	-	-	-	-	23186	55	-
Potatoes	-	-	-	-	-	-	4346	*	-
Garlic	*	*	*	-	-	-	28884	41	-
Taro 'Godere'	-	-	-	-	-	-	84562	775	-
Sweet potatoes	*	*	*	-	-	-	43309	909	-
Other									
Temporary	-	-	-	*	*	-	103731	2133	-
Permanent crops							117544	1751	
Avocado							18646	105	
Bananas							88512	1036	
Guava							5809	17	
Lemons							3943	*	
Mangoes							43834	460	
Oranges							13193	33	
Papayas							28247	87	
Pineapples							1682	*	
Stimulant							197268	59534	
Chat							88642	2755	
Coffee							171417	56727	
Hops / 'Gesho'							10320	*	
Enset							147365	2131	
Sugar cane							39056	544	
Other permanent							27254	30	

(Table 1.4.3 Cont'd.)

Illubabor

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	59,578	17,017	3,431	107,822	61,159	*	*	72,642	27,199
Cereals	43,800	12,288	3,394	106,775	60,913	*	*	66,006	25,436
Teff	3,333	*	158	92,408	45,921	*	*	15,964	8,910
Barley	-	-	-	*	*	-	-	-	-
Wheat	4,351	*	*	14,479	1,716	-	-	10,356	1,416
Maize	38,653	10,882	2,615	*	*	-	-	50,123	14,689
Sorghum	-	-	-	16,472	*	-	-	-	-
Finger millet	-	-	-	*	*	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	*	-	*	*	*	*
Pulses	*	*	*	*	*	-	-	5,095	*
Horse / Faba beans	-	-	-	*	*	-	-	*	*
Field Peas	-	-	-	*	*	-	-	-	-
Haricot beans	*	*	*	-	-	-	-	3,590	77
Chick peas	*	*	*	-	-	-	-	-	-
Lentils	*	*	*	-	-	-	-	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	*	*
Vegetables	*	*	-	*	*	-	-	2,236	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	*	*	-	-	*	*
Ethiopian cabbage	-	-	-	-	-	-	-	1,105	*
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	*	*	-	-	-	-	-	*	*
Red peppers	-	-	-	*	*	-	-	*	*
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	-	1,550	*	-	-	2,524	*
Beetroot	2,130	*	-	*	*	-	-	1,041	*
Carrot	*	*	-	-	-	-	-	*	*
Onion	*	*	-	*	*	-	-	*	*
Potatoes	-	-	-	*	*	-	-	-	-
Garlic	-	-	-	*	*	-	-	-	-
Taro 'Godere'	-	-	-	*	*	-	-	*	*
Sweet potatoes	-	-	-	-	-	-	-	*	*
Other									
Temporary	-	-	-	-	-	-	-	*	*
Permanent crops				-	-	*	*	*	*
Avocado				-	-	-	-	*	*
Bananas				-	-	*	*	*	*
Guava				-	-	*	*	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	*	*	*	*
Oranges				-	-	*	*	*	*
Papayas				-	-	*	*	-	-
Pineapples				-	-	-	-	-	-
Stimulant	16,451	4,498	-	*	*	*	*	11,966	1,320
Chat				*	*	*	*	1,475	*
Coffee	16,451	4,498	-	-	-	*	*	10,729	1,303
Hops / 'Geshe'				-	-	-	-	-	-
Enset				*	*	-	-	-	-
Sugar cane				-	-	*	*	-	-
Other permanent				-	-	-	-	*	*

Table1.4.4 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Jimma

Crop type	All	All Fertilizers		Natural		DAP		
	Crop Area	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	648875	229224	*	440940	58074	241425	113601	*
Cereals	431019	187645	*	192419	26396	229725	105904	*
Teff	174912	90397	*	21716	*	192997	72363	*
Barley	15812	5041	*	14589	808	29706	*	*
Wheat	29629	9697	*	5529	*	48458	8630	*
Maize	135711	80007	*	168090	21268	61974	19854	*
Sorghum	71844	2197	*	12917	1182	*	*	*
Finger millet	1806	*	*	-	-	*	*	*
Oats / 'Aja'	1302	*	*	*	*	*	*	*
Rice	*	*	*	-	-	*	*	*
Pulses	35180	8422	*	79268	2639	32028	*	*
Horse / Faba beans	21797	5167	*	29596	*	25733	*	*
Field Peas	9197	*	*	*	*	*	*	*
Haricot beans	2027	*	*	46631	285	*	*	*
Chick peas	*	*	*	*	*	*	*	*
Lentils	833	*	*	*	*	*	*	*
Vetch / Grass peas	*	*	-	*	*	-	-	-
Soya beans	*	*	-	*	*	-	-	-
Fenugreek	*	*	*	*	*	*	*	*
Gibto	-	-	-	-	-	-	-	-
Oilseeds	28522	1720	*	22861	743	13642	408	*
Neug	16069	*	*	*	*	*	*	*
Linseed	2801	179	*	*	*	5834	144	*
Groundnuts	*	*	-	*	*	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	*	-	-	-	-	-	-	-
Rapeseed	2054	1355	*	19331	523	*	*	*
Vegetables	5926	3753	*	316251	2034	24942	735	*
Lettuce	*	*	-	*	*	-	-	-
Head cabbage	222	100	*	45723	90	*	*	*
Ethiopian cabbage	1701	1254	*	258996	1250	*	*	*
Tomatoes	*	*	*	9295	*	*	*	*
Green peppers	591	400	*	128171	385	*	*	*
Red peppers	3161	1840	*	32854	252	19951	614	*
Swiss chard	*	*	-	*	*	-	-	-
Root crops	6911	3433	*	230280	3331	3487	*	*
Beetroot	93	23	*	25022	20	*	*	*
Carrot	7	*	-	*	*	-	-	-
Onion	58	26	-	17389	26	-	-	-
Potatoes	450	135	*	12647	116	*	*	*
Garlic	118	81	*	32869	75	*	*	*
Taro 'Godere'	5861	2973	*	186842	2912	*	*	*
Sweet potatoes	*	*	*	17227	*	*	*	*
Other Temporary	2033	947	*	100088	671	*	*	*
Permanent crops	6245	2068		174474	1985			
Avocado	1691	788		73868	778			
Bananas	2941	942		111516	874			
Guava	151	17		11945	17			
Lemons	*	*		*	*			
Mangoes	865	196		55183	196			
Oranges	293	40		16232	36			
Papayas	256	*		19901	*			
Pineapples	*	*		*	*			
Stimulant	115062	9872		230020	8936			
Chat	14851	5054		142996	4377			
Coffee	99702	4458		168963	4201			
Hops / 'Gescho'	*	*		*	*			
Enset	15692	10358		319329	10334			
Sugar cane	1845	887		86759	887			
Other permanent	441	119		41195	119			

(Table 1.4.4 cont'd.)

Jimma									
Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	5422	1177	*	138609	56371	*	599640	590249	242621
Cereals	4857	1174	*	133363	54171	*	549519	388788	205349
Teff	*	*	*	30633	14105	*	421578	174599	81318
Barley	-	-	-	*	*	-	135118	15812	24634
Wheat	-	-	-	4677	*	-	133758	29064	41636
Maize	*	*	*	113516	38871	-	369904	94387	38851
Sorghum	*	*	*	*	*	-	281541	71815	16586
Finger millet	-	-	-	*	*	*	16295	1806	*
Oats / 'Aja'	-	-	-	-	-	-	24634	1302	1675
Rice	-	-	-	-	-	-	*	*	*
Pulses	-	-	-	*	*	-	272506	35151	31458
Horse / Faba beans	-	-	-	-	-	-	169888	21797	21994
Field Peas	-	-	-	*	*	-	45311	9197	7261
Haricot beans	-	-	-	*	*	-	106838	1998	852
Chick peas	-	-	-	-	-	-	8183	*	*
Lentils	-	-	-	-	-	-	27639	833	664
Vetch / Grass peas	-	-	-	-	-	-	*	*	*
Soya beans	-	-	-	-	-	-	*	*	*
Fenugreek	-	-	-	-	-	-	*	*	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	*	*	-	161807	28322	5814
Neug	-	-	-	-	-	-	54026	16069	1708
Linseed	-	-	-	-	-	-	57544	2800	702
Groundnuts	-	-	-	-	-	-	*	*	*
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	*	*	*
Rapeseed	-	-	-	*	*	-	48769	1855	238
Vegetables	*	*	*	*	*	-	457738	5581	-
Lettuce	-	-	-	-	-	-	2905	*	-
Head cabbage	-	-	-	*	*	-	83954	218	-
Ethiopian cabbage	-	-	-	*	*	-	362677	1690	-
Tomatoes	-	-	-	-	-	-	22149	*	-
Green peppers	-	-	-	*	*	-	212617	588	-
Red peppers	*	*	*	*	*	-	79352	2834	-
Swiss chard	-	-	-	-	-	-	*	*	-
Root crops	-	-	-	*	*	-	362788	6886	-
Beetroot	-	-	-	-	-	-	54052	90	-
Carrot	-	-	-	-	-	-	8378	7	-
Onion	-	-	-	-	-	-	31372	57	-
Potatoes	-	-	-	-	-	-	25431	450	-
Garlic	-	-	-	-	-	-	56393	118	-
Taro 'Godere'	-	-	-	*	*	-	286816	5840	-
Sweet potatoes	-	-	-	-	-	-	32619	*	-
Other									
Temporary	-	-	-	-	-	-	175225	1997	-
Permanent crops							286967	4383	
Avocado							117116	1379	
Bananas							207160	2112	
Guava							33554	96	
Lemons							*	*	
Mangoes							91796	512	
Oranges							46209	154	
Papayas							45182	106	
Pineapples							*	*	
Stimulant							462300	102612	
Chat							325789	13373	
Coffee							377925	88840	
Hops / 'Gesho'							15609	*	
Enset							441925	14497	
Sugar cane							155086	1641	
Other permanent							95217	392	

(Table 1.4.4 Cont'd.)

Jimma

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	158,039	46,749	9,598	330,830	171,081	*	*	164,530	64,612
Cereals	120,929	41,734	9,597	325,426	170,358	*	*	152,964	60,541
Teff	-	-	-	302,483	132,126	*	-	27,913	*
Barley	*	*	-	46,546	7,138	*	*	*	*
Wheat	*	*	*	72,459	19,221	-	-	8,861	*
Maize	117,437	41,169	8,690	*	*	-	-	135,321	49,811
Sorghum	-	-	-	13,219	7,155	-	-	*	*
Finger millet	-	-	-	*	*	-	-	-	-
Oats / 'Aja'	-	-	-	*	*	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	*	*	-	-	*	*
Horse / Faba beans	-	-	-	-	-	-	-	*	*
Field Peas	-	-	-	*	*	-	-	-	-
Haricot beans	-	-	-	-	-	-	-	*	*
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	*	*	*	8,093	114	-	-	10,706	946
Neug	-	-	-	-	-	-	-	*	*
Linseed	-	-	-	8,093	114	-	-	*	*
Groundnuts	-	-	-	-	-	-	-	*	*
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	*	*	*	-	-	-	-	8,448	*
Vegetables	*	*	-	*	*	*	*	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	-	-	*	*	*	*
Ethiopian cabbage	-	-	-	-	-	*	*	*	*
Tomatoes	*	*	-	-	-	*	*	-	-
Green peppers	-	-	-	-	-	*	*	*	*
Red peppers	*	*	-	*	*	*	*	*	*
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	-	-	-	*	*	*	*
Beetroot	*	*	-	-	-	-	-	-	-
Carrot	*	*	-	-	-	-	-	-	-
Onion	*	*	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	*	*	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	*	*
Sweet potatoes	-	-	-	-	-	-	-	*	*
Other									
Temporary	-	-	-	*	*	*	*	*	*
Permanent crops				*	*	*	*	3,133	*
Avocado				*	*	*	*	*	*
Bananas				*	*	-	-	*	*
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	*	*	*	*
Oranges				-	-	*	*	-	-
Papayas				-	-	-	-	-	-
Pineapples				-	-	*	*	-	-
Stimulant	41,891	4,168	-	2,262	*	*	*	16,073	1,471
Chat				*	*	*	*	*	*
Coffee	41,326	4,045	-	*	*	*	*	11,348	1,184
Hops / 'Gesho'				-	-	-	-	-	-
Enset				-	-	-	-	-	-
Sugar cane				-	-	*	*	-	-
Other permanent				-	-	-	-	-	-

Table1.4.5 Number of Holders, Inputs Applied Area and Quantity of Inputs used

West Shewa

Crop type	All	All Fertilizers		Natural		DAP		
	Crop Area	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	613010	346013	162305	335096	62156	126397	76192	67433
Cereals	500887	322648	152872	221459	47170	117526	71533	61009
Teff	192446	151898	76059	23101	6605	50350	32664	18702
Barley	78787	60416	35986	49241	15200	51753	24702	27057
Wheat	46003	37929	31855	18874	2597	26201	6632	7817
Maize	94733	67975	8536	168556	18875	34258	7005	*
Sorghum	87503	*	*	12582	*	*	*	*
Finger millet	*	*	*	-	-	*	*	*
Oats / 'Aja'	634	*	-	*	*	-	-	-
Rice	-	-	-	-	-	-	-	-
Pulses	52747	9546	3036	57470	6253	9814	1757	*
Horse / Faba beans	21277	5182	1201	44190	3846	6031	1022	953
Field Peas	5536	*	*	13006	*	*	*	*
Haricot beans	*	*	-	4286	*	-	-	-
Chick peas	5836	400	*	*	*	-	-	-
Lentils	*	*	*	-	-	*	*	*
Vetch / Grass peas	17250	*	-	*	*	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	*	*	-	4965	*	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	38452	761	*	16122	*	*	*	*
Neug	30161	-	-	-	-	-	-	-
Linseed	*	*	-	*	*	-	-	-
Groundnuts	*	-	-	-	-	-	-	-
Safflower	*	*	-	*	*	-	-	-
Sesame	*	-	-	-	-	-	-	-
Rapeseed	*	433	*	13462	317	*	*	*
Vegetables	6349	3000	1555	160018	1627	5096	*	*
Lettuce	*	*	-	*	*	-	-	-
Head cabbage	*	*	*	33131	*	-	-	-
Ethiopian cabbage	677	472	*	89965	470	*	*	*
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	188	147	*	45796	124	*	*	*
Red peppers	5094	2088	*	39440	739	*	*	*
Swiss chard	*	5	-	6080	5	-	-	-
Root crops	7396	5964	3904	150107	2383	24304	*	*
Beetroot	199	142	-	52395	142	-	-	-
Carrot	28	21	-	12900	21	-	-	-
Onion	466	354	*	68525	352	*	*	*
Potatoes	5969	5117	3831	33990	1556	21647	*	*
Garlic	513	319	*	78940	301	*	*	*
Taro 'Godere'	*	-	-	-	-	-	-	-
Sweet potatoes	218	*	-	2253	*	-	-	-
Other Temporary	510	231	*	63013	221	*	*	*
Permanent crops	253	*		13325	*			
Avocado	*	*		*	*			
Bananas	189	*		7962	*			
Guava	*	-		-	-			
Lemons	*	-		-	-			
Mangoes	33	*		*	*			
Oranges	*	*		*	*			
Papayas	*	*		*	*			
Pineapples	-	-		-	-			
Stimulant	1411	540		70055	538			
Chat	*	*		8120	*			
Coffee	*	*		12447	*			
Hops / 'Geshe'	583	282		58119	280			
Enset	3660	*		127322	*			
Sugar cane	1018	*		2737	*			
Other permanent	*	*		16317	*			

(Table 1.4.5 cont'd.)

West Shewa

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	34875	9822	8975	256407	197843	85898	493202	565835	523128
Cereals	28370	9231	8205	252309	194714	83658	469256	454099	425407
Teff	19393	5973	5156	145345	106656	52200	283301	191439	108635
Barley	2697	*	*	35388	19670	*	153877	78177	169783
Wheat	6100	1472	*	78909	27228	22357	160376	44612	91918
Maize	6220	942	601	91566	41153	913	283401	50954	25838
Sorghum	-	-	-	*	*	*	198010	87503	27953
Finger millet	-	-	-	-	-	-	*	*	*
Oats / 'Aja'	-	-	-	*	*	-	12609	634	955
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	*	12023	1404	1203	200498	52524	87328
Horse / Faba beans	*	*	*	3532	*	*	135554	21277	33425
Field Peas	-	-	-	*	*	*	37968	5536	11071
Haricot beans	-	-	-	*	*	-	6945	*	*
Chick peas	*	*	*	*	*	*	36935	5836	*
Lentils	*	*	*	*	*	*	20027	*	*
Vetch / Grass peas	-	-	-	-	-	-	49115	17250	25533
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	*	*	-	15020	*	203
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	*	*	*	100336	38452	10393
Neug	-	-	-	-	-	-	62909	30161	5246
Linseed	-	-	-	-	-	-	18511	*	*
Groundnuts	-	-	-	-	-	-	*	*	*
Safflower	-	-	-	-	-	-	*	*	*
Sesame	-	-	-	-	-	-	*	*	*
Rapeseed	-	-	-	*	*	*	21533	*	*
Vegetables	*	*	*	*	*	*	254977	6316	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	*	*	*	-	-	-	40341	*	-
Ethiopian cabbage	-	-	-	-	-	-	115744	677	-
Tomatoes	-	-	-	*	-	-	*	*	-
Green peppers	*	*	*	*	*	*	61948	179	-
Red peppers	*	*	*	*	*	*	104274	5094	-
Swiss chard	-	-	-	-	-	-	9566	*	-
Root crops	*	*	*	*	*	*	216126	7374	-
Beetroot	-	-	-	-	-	-	65930	189	-
Carrot	-	-	-	-	-	-	17950	26	-
Onion	-	-	-	-	-	-	93497	465	-
Potatoes	*	*	*	*	*	*	76348	5960	-
Garlic	*	*	*	*	*	*	108326	513	-
Taro 'Godere'	-	-	-	-	-	-	*	*	-
Sweet potatoes	-	-	-	-	-	-	11145	218	-
Other									
Temporary	-	-	-	-	-	-	88960	510	-
Permanent crops							35862	239	
Avocado							-	-	
Bananas							22111	178	
Guava							*	*	
Lemons							*	*	
Mangoes							11629	33	
Oranges							4057	*	
Papayas							*	*	
Pineapples							-	-	
Stimulant							113999	1386	
Chat							15502	*	
Coffee							25262	*	
Hops / 'Gesho'							95579	575	
Enset							171739	3656	
Sugar cane							24354	1013	
Other permanent							18613	*	

(Table 1.4.5 Cont'd.)

West Shewa

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	114,235	47,148	18,184	296,449	256,767	27,359	3,180	125,069	68,227
Cereals	106,548	46,788	18,150	287,667	250,401	8,624	*	119,883	63,668
Teff	*	*	*	195,256	149,122	*	*	19,513	*
Barley	*	*	*	74,855	37,585	*	*	*	*
Wheat	*	*	*	110,896	35,239	*	*	10,512	2,479
Maize	100,168	43,779	14,016	36,605	*	*	*	97,825	45,387
Sorghum	-	-	-	18,858	*	*	*	*	*
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	*	*	-	-	*	*
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	*	5,999	567	*	*	*	*
Horse / Faba beans	-	-	-	5,021	495	*	*	*	*
Field Peas	-	-	-	*	*	-	-	-	-
Haricot beans	*	*	*	-	-	-	-	-	-
Chick peas	-	-	-	-	-	*	*	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	*	*	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	*	*	-	-	*	*
Neug	-	-	-	*	*	-	-	*	*
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	*	*
Rapeseed	-	-	-	*	*	-	-	*	*
Vegetables	*	*	-	5,806	43	6,793	67	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	*	*	*	*	*	*
Ethiopian cabbage	*	*	-	2,538	*	*	*	-	-
Tomatoes	-	-	-	-	-	*	*	-	-
Green peppers	*	*	-	*	*	*	*	*	*
Red peppers	-	-	-	*	*	*	*	*	*
Swiss chard	*	*	-	-	-	*	*	-	-
Root crops	*	*	-	31,889	*	9,197	*	4,531	*
Beetroot	*	*	-	*	*	3,357	*	*	*
Carrot	*	*	-	*	*	*	*	*	*
Onion	*	*	-	-	-	*	*	*	*
Potatoes	*	*	-	27,134	*	*	*	*	*
Garlic	-	-	-	*	*	2,662	*	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	*	*	-	-
Other									
Temporary	-	-	-	*	-	*	*	*	*
Permanent crops				-	-	7,434	*	*	*
Avocado				-	-	-	-	-	-
Bananas				-	-	*	*	*	*
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	*	*	-	-
Oranges				-	-	*	*	*	*
Papayas				-	-	*	*	-	-
Pineapples				-	-	-	-	-	-
Stimulant	*	*	-	-	-	2,193	*	*	*
Chat				-	-	*	*	*	*
Coffee	*	*	-	-	-	*	*	*	*
Hops / 'Gescho'				-	-	3,779	*	*	*
Enset				*	*	-	-	-	-
Sugar cane				-	-	8,605	*	*	*
Other permanent				-	-	*	*	-	-

Table1.4.6 Number of Holders, Inputs Applied Area and Quantity of Inputs used

North Shewa

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	424992	207521	66368	216667	55093	18150	*	*
Cereals	328589	189748	62834	161044	39517	17231	*	*
Teff	137255	111583	41075	26749	7959	14420	*	*
Barley	69153	18074	1352	47101	12992	*	*	*
Wheat	64953	48244	20258	28757	7193	*	*	*
Maize	6984	5004	*	89569	4982	-	-	-
Sorghum	48779	6201	-	24077	6201	-	-	-
Finger millet	*	*	*	-	-	-	-	-
Oats / 'Aja'	1430	*	*	2221	190	-	-	-
Rice	*	-	-	-	-	-	-	-
Pulses	82509	12791	*	46971	10767	*	*	*
Horse / Faba beans	37236	8736	*	40051	8677	-	-	-
Field Peas	6275	*	-	3969	*	-	-	-
Haricot beans	*	*	-	*	*	-	-	-
Chick peas	12791	*	-	1751	*	-	-	-
Lentils	7712	*	*	3487	*	-	-	-
Vetch / Grass peas	14798	*	*	*	*	*	*	*
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	*	*	*	*	*	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	7865	397	*	6878	*	-	-	-
Neug	3967	*	*	*	*	-	-	-
Linseed	3738	*	-	*	*	-	-	-
Groundnuts	-	-	-	-	-	-	-	-
Safflower	*	*	-	*	*	-	-	-
Sesame	-	-	-	-	-	-	-	-
Rapeseed	130	*	-	4388	*	-	-	-
Vegetables	558	432	*	78500	430	-	-	-
Lettuce	*	*	-	*	*	-	-	-
Head cabbage	*	*	-	1883	*	-	-	-
Ethiopian cabbage	264	205	*	64360	203	-	-	-
Tomatoes	*	*	-	2619	*	-	-	-
Green peppers	67	*	-	9954	*	-	-	-
Red peppers	*	*	-	*	*	-	-	-
Swiss chard	*	*	-	9504	*	-	-	-
Root crops	*	*	*	62219	*	*	*	*
Beetroot	5	*	-	5913	*	-	-	-
Carrot	*	*	-	4011	*	-	-	-
Onion	*	23	*	9351	22	*	*	*
Potatoes	*	*	*	13592	*	*	*	*
Garlic	*	*	*	47506	*	*	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-
Other Temporary	227	93	*	24669	92	*	*	*
Permanent crops	*	*		*				
Avocado	-	-		-	-			
Bananas	*	*		*	*			
Guava	-	-		-	-			
Lemons	*	*		*	*			
Mangoes	-	-		-	-			
Oranges	*	*		*	*			
Papayas	*	-		-	-			
Pineapples	-	-		-	-			
Stimulant	619	332		34716	332			
Chat	*	*		*	*			
Coffee	*	*		*	*			
Hops / 'Geshe'	569	284		32955	284			
Enset	*	8		11669	8			
Sugar cane	*	*		*	*			
Other permanent	*	3		7225	3			

(Table 1.4.6 cont'd.)

North Shewa

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	47692	19590	16135	137233	117897	38376	307369	422375	419585
Cereals	45317	18442	15247	136888	116984	35973	297077	326278	299574
Teff	33609	14033	11897	117435	80628	21601	212456	136895	68697
Barley	*	*	240	6372	*	*	120460	68797	100311
Wheat	13685	3554	2988	63684	32778	14040	143124	63358	111327
Maize	*	*	*	-	-	-	116654	6984	3741
Sorghum	-	-	-	*	-	-	88745	48779	13149
Finger millet	*	*	*	-	-	-	*	*	*
Oats / 'Aja'	*	*	*	*	*	*	16548	1430	2281
Rice	-	-	-	-	-	-	*	*	*
Pulses	3937	*	*	4870	*	*	173704	82238	115880
Horse / Faba beans	*	*	*	*	-	-	126594	36968	61989
Field Peas	-	-	-	*	*	-	25005	6275	7045
Haricot beans	-	-	-	-	-	-	*	*	*
Chick peas	-	-	-	*	*	-	44706	12791	14249
Lentils	*	*	*	*	*	-	41027	7708	10011
Vetch / Grass peas	*	*	*	-	-	-	64291	14798	19330
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	*	*	*	*	*	*	11349	*	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	1594	*	*	58149	7860	4130
Neug	-	-	-	*	*	*	24388	3967	1753
Linseed	-	-	-	-	-	-	21759	3733	1779
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	*	*	*
Sesame	-	-	-	-	-	-	*	-	*
Rapeseed	-	-	-	*	-	-	9602	130	*
Vegetables	*	*	*	*	*	-	100810	532	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	-	-	-	-	-	-	2289	*	-
Ethiopian cabbage	*	*	*	*	*	-	78867	238	-
Tomatoes	-	-	-	-	-	-	4650	*	-
Green peppers	-	-	-	-	-	-	14496	67	-
Red peppers	-	-	-	-	-	-	*	*	-
Swiss chard	-	-	-	-	-	-	11195	*	-
Root crops	1494	*	*	2517	*	*	88554	*	-
Beetroot	-	-	-	*	*	-	7403	5	-
Carrot	-	-	-	*	*	-	5131	*	-
Onion	*	*	*	*	*	-	15669	*	-
Potatoes	*	*	*	-	-	-	19289	*	-
Garlic	*	*	*	2172	*	*	68551	*	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other									
Temporary	-	-	-	*	*	-	35074	227	-
Permanent crops							*	*	
Avocado							-	-	
Bananas							*	*	
Guava							-	-	
Lemons							*	*	
Mangoes							-	-	
Oranges							2173	*	
Papayas							*	*	
Pineapples							-	-	
Stimulant							56098	617	
Chat							*	*	
Coffee							3991	*	
Hops / 'Gesho'							53111	569	
Enset							13288	*	
Sugar cane							*	*	
Other permanent							10252	*	

(Table 1.4.6 Cont'd.)

North Shewa

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	7,702	1,745	5,568	129,820	88,477	16,086	*	96,700	70,128
Cereals	5,719	1,633	4,431	126,111	86,499	3,125	*	90,747	61,465
Teff	1,954	*	*	92,276	54,301	*	*	63,885	32,973
Barley	-	-	-	15,347	*	-	-	20,344	6,395
Wheat	4,192	1,274	3,220	47,034	21,775	*	*	44,086	21,467
Maize	-	-	-	*	*	*	*	*	*
Sorghum	-	-	-	10,773	5,863	*	*	*	*
Finger millet	-	-	-	*	*	-	-	-	-
Oats / 'Aja'	-	-	-	*	*	-	-	*	*
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	*	6,454	1,718	*	*	22,291	8,202
Horse / Faba beans	*	*	*	6,070	1,699	-	-	15,815	2,997
Field Peas	-	-	-	-	-	-	-	2,770	*
Haricot beans	-	-	-	-	-	-	-	-	-
Chick peas	*	-	*	-	-	*	*	*	1,491
Lentils	*	*	*	*	*	*	*	*	*
Vetch / Grass peas	*	-	*	-	-	-	-	*	*
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	*	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	*	*	-	-	1,518	*
Neug	-	-	-	-	-	-	-	*	*
Linseed	-	-	-	*	*	-	-	*	*
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	*	*
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	-	-	-	*	*	5,230	*	*	48
Lettuce	-	-	-	-	-	*	*	-	-
Head cabbage	-	-	-	-	-	*	*	-	-
Ethiopian cabbage	-	-	-	*	*	*	*	*	*
Tomatoes	-	-	-	-	-	*	*	*	*
Green peppers	-	-	-	-	-	*	*	*	*
Red peppers	-	-	-	-	-	*	*	*	*
Swiss chard	-	-	-	*	*	*	*	*	*
Root crops	*	*	-	2,983	*	3,128	*	11,537	*
Beetroot	-	-	-	*	*	*	*	*	*
Carrot	-	-	-	-	-	*	*	1,444	*
Onion	*	*	-	-	-	*	*	*	*
Potatoes	-	-	-	*	*	*	*	3,281	*
Garlic	*	*	-	*	*	*	*	8,526	*
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other									
Temporary	*	*	-	*	*	*	*	*	*
Permanent crops				-	-	*	*	-	-
Avocado				-	-	-	-	-	-
Bananas				-	-	*	*	-	-
Guava				-	-	-	-	-	-
Lemons				-	-	*	*	-	-
Mangoes				-	-	-	-	-	-
Oranges				-	-	*	*	-	-
Papayas				-	-	*	*	-	-
Pineapples				-	-	-	-	-	-
Stimulant	*	*	-	-	-	*	*	-	-
Chat				-	-	*	*	-	-
Coffee	*	*	-	-	-	*	*	-	-
Hops / 'Geshe'				-	-	7,703	*	*	*
Enset				-	-	*	*	-	-
Sugar cane				-	-	*	*	-	-
Other permanent				*	*	-	-	*	*

Table1.4.7 Number of Holders, Inputs Applied Area and Quantity of Inputs used

East Shewa

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	450799	304826	74266	138260	40186	90620	75300	48494
Cereals	346605	276537	63800	116672	33956	77529	61946	39473
Teff	183273	169568	37143	5619	1089	56748	36521	23872
Barley	10959	7399	2478	9943	*	10539	2083	1756
Wheat	55666	51906	13625	8168	2107	25826	11766	8274
Maize	89731	46170	10373	108760	28443	15817	10943	5389
Sorghum	6356	1235	*	4574	620	*	*	*
Finger millet	*	-	-	-	-	-	-	-
Oats / 'Aja'	273	*	*	*	*	*	*	*
Rice	*	*	-	-	-	-	-	-
Pulses	95025	21697	7379	33538	5192	27973	12555	6977
Horse / Faba beans	9679	1887	*	13697	1121	1570	*	*
Field Peas	4035	*	-	1657	*	-	-	-
Haricot beans	40965	15347	6102	18741	3293	20924	11078	5984
Chick peas	22701	*	*	*	*	*	*	*
Lentils	13227	3512	1077	*	*	6737	*	*
Vetch / Grass peas	3735	*	-	*	*	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	*	*	*	*	*	*	*	*
Gibto	*	-	-	-	-	-	-	-
Oilseeds	425	97	*	3742	82	*	*	*
Neug	-	-	-	-	-	-	-	-
Linseed	316	*	*	*	*	*	*	*
Groundnuts	-	-	-	-	-	-	-	-
Safflower	*	*	-	*	*	-	-	-
Sesame	-	-	-	-	-	-	-	-
Rapeseed	71	47	*	1608	42	*	*	*
Vegetables	*	*	*	31041	453	4710	*	*
Lettuce	*	*	-	*	*	-	-	-
Head cabbage	*	*	-	*	*	-	-	-
Ethiopian cabbage	622	508	*	23723	177	2325	*	*
Tomatoes	*	*	*	*	*	*	*	*
Green peppers	141	*	*	9637	58	*	*	*
Red peppers	*	*	*	*	*	*	*	*
Swiss chard	*	*	-	*	*	-	-	-
Root crops	2252	1876	1848	15343	122	1299	*	*
Beetroot	*	*	-	*	*	-	-	-
Carrot	*	*	-	*	*	-	-	-
Onion	1798	1591	1845	6233	*	1299	*	*
Potatoes	*	*	-	1892	*	-	-	-
Garlic	*	*	*	11536	*	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	*	-	-	-	-	-	-	-
Other Temporary	210	115	-	13011	115	-	-	-
Permanent crops	93	*		3548	*			
Avocado	*	*		*	*			
Bananas	*	*		*	*			
Guava	*	*		*	*			
Lemons	*	-		-	-			
Mangoes	*	*		*	*			
Oranges	*	-		-	-			
Papayas	*	*		2703	*			
Pineapples	-	-		-	-			
Stimulant	*	228		10356	198			
Chat	*	-		-	-			
Coffee	*	*		*	*			
Hops / 'Geshe'	516	208		9767	*			
Enset	*	*		*	*			
Sugar cane	*	*		*	*			
Other permanent	*	*		*	*			

(Table 1.4.7 cont'd.)

East Shewa

[illegible]

(Table 1.4.7 Cont'd.)

East Shewa

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	39,419	24,613	18,451	158,300	213,746	22,583	10,457	98,786	124,181
Cereals	34,042	22,567	16,197	151,592	196,227	*	4,609	92,769	98,463
Teff	5,041	3,224	1,709	129,517	132,242	*	*	48,882	51,335
Barley	-	-	-	29,552	5,640	-	-	11,597	*
Wheat	17,849	6,042	11,215	79,449	38,345	-	-	34,559	13,271
Maize	14,170	13,301	3,274	32,088	18,906	*	*	53,240	28,850
Sorghum	-	-	-	3,904	*	-	-	*	*
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	*	*	-	-	*	*
Rice	-	-	-	-	-	-	-	-	-
Pulses	5,940	2,018	*	33,145	12,913	*	*	48,129	23,905
Horse / Faba beans	*	*	*	5,837	826	-	-	*	*
Field Peas	-	-	-	8,507	*	-	-	*	*
Haricot beans	*	*	*	*	*	*	*	29,829	11,009
Chick peas	*	*	*	3,997	1,933	-	-	12,795	*
Lentils	2,718	571	317	16,872	5,117	-	-	13,705	*
Vetch / Grass peas	-	-	-	*	*	-	-	*	*
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	*	*	-	-	*	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	*	*	-	-	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	*	*
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	*	*
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	*	*	-	-	*	*
Vegetables	*	*	-	4,724	*	6,233	*	6,026	*
Lettuce	-	-	-	-	-	-	-	*	*
Head cabbage	-	-	-	*	-	*	-	*	*
Ethiopian cabbage	-	-	-	*	*	*	*	1,880	*
Tomatoes	*	*	-	*	*	3,269	*	1,832	*
Green peppers	*	*	-	*	*	*	*	3,526	*
Red peppers	-	-	-	*	*	*	*	*	*
Swiss chard	-	-	-	-	-	-	-	*	*
Root crops	*	*	-	7,344	1,327	5,579	1,389	6,856	*
Beetroot	-	-	-	*	-	*	-	*	*
Carrot	-	-	-	-	-	-	-	*	*
Onion	*	*	-	6,374	1,089	4,810	1,209	5,195	*
Potatoes	-	-	-	-	-	-	-	*	*
Garlic	-	-	-	*	*	*	*	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	*	*	-	-
Other									
Temporary	-	-	-	*	*	*	*	*	*
Permanent crops				-	-	4,903	37	*	*
Avocado				-	-	*	*	*	*
Bananas				-	-	*	*	-	-
Guava				-	-	*	*	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	*	*	*	*
Oranges				-	-	*	*	*	*
Papayas				-	-	1,990	*	*	*
Pineapples				-	-	-	-	-	-
Stimulant	*	*	-	*	*	*	*	*	*
Chat				-	-	*	*	*	*
Coffee	*	*	-	*	*	*	*	*	*
Hops / 'Gesho'				*	*	*	*	*	*
Enset				-	-	-	-	-	-
Sugar cane				-	-	*	*	-	-
Other permanent				*	*	*	*	*	*

Table1.4.8 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Arsi

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	616004	440495	264687	325264	70537	365629	342120	258292
Cereals	487143	370118	233294	224962	50883	354137	295019	227623
Teff	92606	61388	29189	16951	4422	131145	46187	27081
Barley	84465	73017	54835	28221	4015	155816	67934	54549
Wheat	192153	180939	138369	25805	7223	246673	164195	136668
Maize	78267	44211	9345	184135	27409	67593	14725	8358
Sorghum	38072	9351	873	36047	7565	9451	1016	285
Finger millet	-	-	-	-	-	-	-	-
Oats / 'Aja'	1467	1099	579	5381	250	9627	849	579
Rice	*	*	*	-	-	*	*	*
Pulses	64316	40928	18195	72607	6874	129679	33442	17875
Horse / Faba beans	30431	22393	10641	33060	3140	95379	19217	10630
Field Peas	12814	8301	3414	9146	607	28333	7466	3414
Haricot beans	16401	*	*	25395	2040	18987	*	*
Chick peas	*	*	*	*	*	*	*	*
Lentils	1435	*	*	2525	80	*	*	*
Vetch / Grass peas	679	301	*	4440	287	*	*	*
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	2197	1205	*	11522	*	6250	*	*
Gibto	-	-	-	-	-	-	-	-
Oilseeds	28420	4737	1440	16724	1736	14921	2912	1440
Neug	*	*	*	*	*	*	*	*
Linseed	24373	3417	1072	5093	948	9079	*	1072
Groundnuts	*	*	-	*	*	-	-	-
Safflower	*	-	-	-	-	-	-	-
Sesame	*	-	-	-	-	-	-	-
Rapeseed	669	600	*	*	*	*	*	*
Vegetables	4037	3266	*	107418	1789	16992	*	*
Lettuce	*	*	-	*	*	-	-	-
Head cabbage	353	337	*	24425	*	*	*	*
Ethiopian cabbage	1036	897	70	61053	859	5769	37	70
Tomatoes	*	*	*	6147	*	*	*	*
Green peppers	377	275	*	34094	246	*	*	*
Red peppers	*	*	*	11282	*	*	*	*
Swiss chard	*	*	-	*	*	-	-	-
Root crops	14448	12735	*	79076	3131	36617	*	*
Beetroot	357	336	*	18762	137	3438	*	*
Carrot	*	*	*	18224	*	*	*	*
Onion	*	*	*	22509	*	21730	*	*
Potatoes	*	*	*	14006	*	10902	*	*
Garlic	593	470	*	25090	286	3685	*	*
Taro 'Godere'	*	*	-	*	*	-	-	-
Sweet potatoes	*	*	-	*	*	-	-	-
Other Temporary	*	*	*	76028	1011	15076	*	*
Permanent crops	*	*		7945	*			
Avocado	*	*		*	*			
Bananas	430	*		*	*			
Guava	-	-		-	-			
Lemons	-	-		-	-			
Mangoes	*	*		*	*			
Oranges	*	*		*	*			
Papayas	*	*		*	*			
Pineapples	-	-		-	-			
Stimulant	12130	4902		57626	4829			
Chat	4262	1134		14610	1072			
Coffee	7292	3274		30128	*			
Hops / 'Geshe'	*	*		18168	*			
Enset	162	80		11035	80			
Sugar cane	*	*		*	*			
Other permanent	*	10		3575	6			

(Table 1.4.8 cont'd.)

Arsi

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	21251	6637	4271	46373	21201	*	513739	590279	859204
Cereals	16474	5919	3620	38553	18297	*	492900	464349	751868
Teff	12015	3242	1690	23944	7536	*	212152	91889	59424
Barley	*	*	*	*	*	*	225763	81746	204353
Wheat	*	*	*	13872	8670	*	289808	180150	431238
Maize	4472	882	*	7945	1195	*	301286	71021	42590
Sorghum	*	*	*	*	*	-	119369	37963	11150
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	21059	1467	2843
Rice	-	-	-	-	-	-	*	*	*
Pulses	*	*	*	*	*	*	274766	63616	86064
Horse / Faba beans	*	*	*	*	*	*	167958	30202	53178
Field Peas	-	-	-	*	*	-	61193	12814	18118
Haricot beans	*	*	*	*	*	*	83881	15977	12547
Chick peas	-	-	-	-	-	-	5014	*	172
Lentils	-	-	-	*	*	*	28355	1415	826
Vetch / Grass peas	-	-	-	-	-	-	11092	679	338
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	36000	2170	885
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	*	*	-	100368	28013	21272
Neug	-	-	-	*	*	-	17250	*	*
Linseed	-	-	-	-	-	-	66632	24193	20458
Groundnuts	-	-	-	-	-	-	*	*	*
Safflower	-	-	-	-	-	-	*	*	*
Sesame	-	-	-	-	-	-	*	*	*
Rapeseed	-	-	-	*	*	-	16576	533	311
Vegetables	*	*	*	*	*	*	158653	4021	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	-	-	-	-	-	-	28984	351	-
Ethiopian cabbage	-	-	-	*	*	-	85125	1036	-
Tomatoes	*	*	*	*	-	-	11311	*	-
Green peppers	-	-	-	*	*	-	49528	377	-
Red peppers	*	*	*	*	*	*	28251	*	-
Swiss chard	-	-	-	-	-	-	*	*	-
Root crops	*	*	*	10159	*	*	142950	12781	-
Beetroot	-	-	-	-	-	-	25880	355	-
Carrot	-	-	-	-	-	-	16087	*	-
Onion	*	*	*	*	*	*	61103	*	-
Potatoes	-	-	-	*	*	-	30143	*	-
Garlic	*	*	*	*	*	*	39321	590	-
Taro 'Godere'	-	-	-	-	-	-	*	*	-
Sweet potatoes	-	-	-	-	-	-	9730	*	-
Other									
Temporary	*	*	*	*	*	-	115448	*	-
Permanent crops							14380	*	
Avocado							*	*	
Bananas							11434	430	
Guava							-	-	
Lemons							-	-	
Mangoes							*	*	
Oranges							*	*	
Papayas							*	*	
Pineapples							-	-	
Stimulant							97653	12090	
Chat							41949	4262	
Coffee							54919	7292	
Hops / 'Gescho'							26744	*	
Enset							15122	147	
Sugar cane							*	*	
Other permanent							10451	*	

(Table 1.4.8 Cont'd.)

Arsi

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	67,524	24,662	38,698	322,196	294,501	6,556	*	102,273	62,429
Cereals	57,901	22,192	37,536	310,370	258,397	*	*	94,593	52,782
Teff	1,667	*	*	132,065	53,950	*	*	17,474	5,127
Barley	8,649	2,719	8,057	103,830	42,539	-	-	18,589	*
Wheat	24,890	11,803	25,318	231,504	157,557	-	-	49,253	28,176
Maize	28,694	7,100	*	23,717	2,787	*	*	40,111	8,176
Sorghum	-	-	-	5,107	*	*	*	*	*
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	7,318	761	-	-	*	*
Rice	-	-	-	*	*	-	-	-	-
Pulses	3,123	*	*	54,541	14,459	-	-	26,877	7,310
Horse / Faba beans	*	*	*	32,145	8,334	-	-	17,479	4,899
Field Peas	-	-	-	19,181	5,110	-	-	2,859	702
Haricot beans	*	*	*	5,534	685	-	-	*	*
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	*	*	*	*	*	-	-	-	-
Vetch / Grass peas	-	-	-	*	*	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	*	*	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	*	*	*	23,658	12,560	-	-	*	*
Neug	-	-	-	*	*	-	-	-	-
Linseed	-	-	-	22,301	12,383	-	-	*	*
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	*	*	*	*	*	-	-	*	*
Vegetables	*	*	-	11,599	160	*	*	*	8
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	*	*	-	-	-	-
Ethiopian cabbage	-	-	-	3,301	*	*	*	*	*
Tomatoes	*	*	-	*	*	-	-	-	-
Green peppers	-	-	-	*	*	-	-	*	*
Red peppers	-	-	-	2,200	*	-	-	*	*
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	-	39,941	*	*	*	13,430	*
Beetroot	*	*	-	*	*	-	-	*	*
Carrot	*	*	-	*	*	-	-	*	*
Onion	-	-	-	30,124	*	*	*	*	*
Potatoes	*	*	-	7,714	*	-	-	*	*
Garlic	-	-	-	4,100	*	-	-	1,851	*
Taro 'Godere'	-	-	-	-	-	-	-	*	*
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other									
Temporary	-	-	-	2,722	*	-	-	*	*
Permanent crops				-	-	-	-	*	*
Avocado				-	-	-	-	-	-
Bananas				-	-	-	-	*	*
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	-	-	-	-
Oranges				-	-	-	-	-	-
Papayas				-	-	-	-	-	-
Pineapples				-	-	-	-	-	-
Stimulant	-	-	-	*	*	*	*	*	*
Chat				*	*	*	*	*	*
Coffee	-	-	-	1,864	*	*	*	*	*
Hops / 'Gescho'				*	*	-	-	*	*
Enset				-	-	-	-	-	-
Sugar cane				-	-	*	*	-	-
Other permanent				-	-	*	*	*	*

Table1.4.9 Number of Holders, Inputs Applied Area and Quantity of Inputs used

West Harerge

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	288199	145849	52001	227949	77649	87994	50086	45555
Cereals	206350	102202	31541	199265	55255	79695	33608	27421
Teff	8557	5023	3355	15456	1130	20436	2362	2722
Barley	3866	1658	755	22120	1056	9725	501	657
Wheat	2081	*	*	10269	544	3223	*	*
Maize	67696	45248	18497	159825	18206	70539	21415	16794
Sorghum	122384	47930	8316	142054	33668	39871	8842	6697
Finger millet	1561	*	*	10601	*	*	*	*
Oats / 'Aja'	157	*	-	2034	*	-	-	-
Rice	*	-	-	-	-	-	-	-
Pulses	17380	8706	3456	65438	5035	22811	*	2680
Horse / Faba beans	1116	210	*	3560	173	*	*	*
Field Peas	*	*	*	*	*	-	-	-
Haricot beans	12415	6263	2909	54368	4422	17901	1011	2235
Chick peas	*	*	*	*	*	*	*	*
Lentils	352	*	*	3224	*	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	*	*	*	-	-	-	-	-
Fenugreek	1614	*	140	12076	188	4410	*	127
Gibto	*	*	-	*	*	-	-	-
Oilseeds	7474	*	1033	25600	*	12953	1006	991
Neug	*	*	-	*	*	-	-	-
Linseed	681	315	279	8344	78	2738	*	*
Groundnuts	2118	765	509	5185	134	7722	627	509
Safflower	*	-	-	-	-	-	-	-
Sesame	4448	*	*	11431	*	*	*	*
Rapeseed	214	62	*	*	*	*	*	*
Vegetables	6733	3986	*	66309	1664	18473	*	*
Lettuce	*	*	-	*	*	-	-	-
Head cabbage	*	41	*	4893	31	-	-	-
Ethiopian cabbage	*	*	*	*	*	*	*	*
Tomatoes	*	*	97	12395	77	*	32	*
Green peppers	135	*	*	10520	27	*	*	*
Red peppers	5957	3518	*	48782	1508	15660	*	*
Swiss chard	*	*	-	*	*	-	-	-
Root crops	6690	3013	984	55256	1710	20093	745	679
Beetroot	*	*	*	1469	*	-	-	-
Carrot	*	*	*	*	*	*	*	*
Onion	1804	919	386	18556	515	4164	*	118
Potatoes	*	*	*	*	*	-	-	-
Garlic	*	*	-	*	*	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	4378	1891	585	36582	1024	16350	620	561
Other Temporary	926	703	*	67663	652	*	*	*
Permanent crops	933	578		29512	*			
Avocado	-	-		-	-			
Bananas	*	*		25254	*			
Guava	*	*		*	*			
Lemons	*	-		-	-			
Mangoes	*	*		*	*			
Oranges	*	*		*	*			
Papayas	22	*		*	*			
Pineapples	-	-		-	-			
Stimulant	40643	22986		128179	10353			
Chat	25713	12414		88301	6038			
Coffee	14881	10544		63563	4287			
Hops / 'Geshe'	*	*		2067	*			
Enset	*	-		-	-			
Sugar cane	998	579		15520	426			
Other permanent	50	*		*	*			

(Table 1.4.9 cont'd.)

West Harerge

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	25066	6710	6173	26756	11405	*	357535	276018	99166
Cereals	21601	5190	4016	25490	8149	*	350614	201418	81144
Teff	*	*	*	4722	*	-	59324	8557	3216
Barley	*	*	*	*	*	-	61974	3830	5652
Wheat	*	*	*	*	*	-	25659	2081	3250
Maize	14135	886	1600	20966	4742	*	296465	62862	31470
Sorghum	13745	3057	1619	12378	2363	-	299934	122322	36713
Finger millet	*	*	*	*	*	-	23882	1561	*
Oats / 'Aja'	-	-	-	-	-	-	6233	157	*
Rice	-	-	-	-	-	-	*	*	*
Pulses	6318	283	*	8925	892	*	166153	17360	16772
Horse / Faba beans	-	-	-	-	-	-	15671	1116	*
Field Peas	-	-	-	*	*	*	*	*	*
Haricot beans	3908	209	*	6142	621	-	128800	12396	12535
Chick peas	*	*	*	*	*	-	18370	*	*
Lentils	*	*	*	*	*	-	12551	352	*
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	*	*	*	-	-	-	*	*	*
Fenugreek	*	*	*	*	*	-	30378	1614	227
Gibto	-	-	-	-	-	-	*	*	-
Oilseeds	*	*	*	1936	*	*	91560	7466	1250
Neug	-	-	-	-	-	-	*	*	*
Linseed	-	-	-	*	*	*	31981	672	134
Groundnuts	-	-	-	*	*	-	25410	2118	837
Safflower	-	-	-	-	-	-	*	*	*
Sesame	-	-	-	*	*	-	41361	4448	244
Rapeseed	*	*	*	-	-	-	7227	214	*
Vegetables	2338	*	*	2857	*	-	120259	6491	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	*	*	*	-	-	-	6585	50	-
Ethiopian cabbage	-	-	-	-	-	-	*	*	-
Tomatoes	*	*	*	*	*	-	22492	309	-
Green peppers	*	*	*	-	-	-	16308	135	-
Red peppers	*	*	*	1618	*	-	94137	5957	-
Swiss chard	-	-	-	-	-	-	*	*	-
Root crops	3872	427	*	3350	131	-	144375	6672	-
Beetroot	*	*	*	-	-	-	*	*	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	3042	*	*	*	*	-	41961	1804	-
Potatoes	*	*	*	*	*	-	6688	*	-
Garlic	-	-	-	-	-	-	2331	*	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	*	*	*	-	107528	4378	-
Other									
Temporary	*	*	*	*	*	-	87291	926	-
Permanent crops							53722	930	
Avocado							-	-	
Bananas							38651	*	
Guava							6788	*	
Lemons							*	*	
Mangoes							*	*	
Oranges							*	*	
Papayas							5970	22	
Pineapples							-	-	
Stimulant							247764	33698	
Chat							218256	22744	
Coffee							118293	10905	
Hops / 'Geshe'							6025	*	
Enset							*	*	
Sugar cane							29907	988	
Other permanent							11470	49	

(Table 1.4.9 Cont'd.)

West Harerge

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	18,926	*	527	19,063	3,160	74,584	12,682	85,775	59,843
Cereals	8,159	*	527	3,709	850	40,709	5,000	83,541	39,330
Teff	-	-	-	*	*	*	*	11,235	1,049
Barley	-	-	-	-	-	*	*	6,053	*
Wheat	-	-	-	-	-	-	-	2,063	*
Maize	8,159	*	527	*	*	23,633	*	74,920	25,854
Sorghum	-	-	-	1,454	*	22,906	*	40,457	11,554
Finger millet	-	-	-	-	-	-	-	*	*
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	*	*
Pulses	-	-	-	*	*	4,022	*	29,589	3,220
Horse / Faba beans	-	-	-	-	-	*	*	-	-
Field Peas	-	-	-	-	-	*	*	-	-
Haricot beans	-	-	-	*	*	*	*	23,131	1,495
Chick peas	-	-	-	-	-	*	*	*	*
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	*	*	*	*
Fenugreek	-	-	-	-	-	*	*	*	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	*	*	*	*	14,238	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	*	*	*	*	*	*
Groundnuts	-	-	-	-	-	*	*	*	*
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	*	*	*	*
Rapeseed	-	-	-	-	-	-	-	*	*
Vegetables	*	*	-	*	*	6,129	*	17,866	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	-	-	*	*	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	*	*	-	*	*	2,803	*	*	*
Green peppers	-	-	-	*	*	*	*	*	*
Red peppers	-	-	-	*	*	*	*	14,848	*
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	-	-	-	14,584	*	10,647	395
Beetroot	*	*	-	-	-	-	-	*	*
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	*	*	*	*
Potatoes	-	-	-	-	-	*	*	-	-
Garlic	-	-	-	-	-	*	*	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	12,227	*	9,001	344
Other									
Temporary	-	-	-	*	*	*	*	*	*
Permanent crops				-	-	22,804	*	*	*
Avocado	-	-	-	-	-	-	-	-	-
Bananas	-	-	-	-	-	21,951	*	*	*
Guava	-	-	-	-	-	*	*	-	-
Lemons	-	-	-	-	-	*	*	-	-
Mangoes	-	-	-	-	-	-	-	-	-
Oranges	-	-	-	-	-	*	*	*	*
Papayas	-	-	-	-	-	-	-	-	-
Pineapples	-	-	-	-	-	-	-	-	-
Stimulant	*	*	-	14,167	1,972	59,963	5,338	53,420	12,577
Chat	-	-	-	12,718	1,873	47,013	4,016	40,153	5,366
Coffee	*	*	-	*	*	22,671	*	37,707	7,211
Hops / 'Gesho'	-	-	-	-	-	-	-	*	*
Enset	-	-	-	*	*	-	-	-	-
Sugar cane	-	-	-	-	-	17,699	609	*	*
Other permanent	-	-	-	-	-	*	*	-	-

Table1.4.10 Number of Holders, Inputs Applied Area and Quantity of Inputs used

East Harerge

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	338754	205135	91842	372030	108137	58041	15384	16497
Cereals	229337	140304	51748	332147	74813	51968	11353	9770
Teff	3889	2678	576	27176	1103	7670	*	*
Barley	4193	2829	*	43137	1689	7111	*	*
Wheat	9969	6471	*	50262	3557	7411	715	*
Maize	64775	48517	17042	268486	25206	34608	3646	3749
Sorghum	145771	79390	22461	231603	43020	31224	6047	4826
Finger millet	*	*	-	*	*	-	-	-
Oats / 'Aja'	682	*	*	*	*	-	-	-
Rice	-	-	-	-	-	-	-	-
Pulses	11027	6796	*	116228	4357	5802	*	*
Horse / Faba beans	2695	*	*	16269	*	*	*	*
Field Peas	*	*	-	*	*	-	-	-
Haricot beans	5735	4342	*	62035	2214	3638	*	*
Chick peas	*	*	*	1895	*	*	*	*
Lentils	*	*	-	4495	*	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	1752	1186	162	54479	988	*	*	*
Gibto	-	-	-	-	-	-	-	-
Oilseeds	23216	9797	*	55283	4122	7720	*	731
Neug	-	-	-	-	-	-	-	-
Linseed	1511	704	267	19726	324	*	*	*
Groundnuts	21320	8896	*	30429	3660	3875	*	*
Safflower	*	*	-	*	*	-	-	-
Sesame	*	*	*	*	*	*	*	*
Rapeseed	*	*	*	*	*	-	-	-
Vegetables	417	314	*	28460	181	*	*	*
Lettuce	*	*	*	-	-	-	-	-
Head cabbage	*	*	*	*	*	-	-	-
Ethiopian cabbage	*	*	-	*	*	-	-	-
Tomatoes	60	45	*	4160	29	-	-	-
Green peppers	*	*	*	9763	34	-	-	-
Red peppers	152	99	*	11869	79	*	*	*
Swiss chard	-	-	-	-	-	-	-	-
Root crops	9757	5074	*	108770	2832	9060	278	567
Beetroot	*	*	*	*	*	-	-	-
Carrot	*	*	-	*	*	-	-	-
Onion	305	248	*	15403	137	*	*	*
Potatoes	*	*	*	*	*	*	*	*
Garlic	138	122	*	11845	94	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	7774	3242	*	84034	2161	6683	196	*
Other Temporary	1674	1313	*	130670	1170	*	69	157
Permanent crops	685	257	*	23027	170	*	*	*
Avocado	*	*	*	*	*	*	*	*
Bananas	590	233	*	16777	147	*	*	*
Guava	19	*	*	*	*	*	*	*
Lemons	-	-	-	-	-	-	-	-
Mangoes	*	*	*	*	*	*	*	*
Oranges	*	*	*	*	*	*	*	*
Papayas	*	*	*	*	*	*	*	*
Pineapples	-	-	-	-	-	-	-	-
Stimulant	62101	41141	*	245017	20414	*	*	*
Chat	56612	37759	*	218753	17652	*	*	*
Coffee	5456	3350	*	74675	2762	*	*	*
Hops / 'Geshe'	*	*	*	*	*	*	*	*
Enset	-	-	-	-	-	-	-	-
Sugar cane	435	68	*	4864	*	*	*	*
Other permanent	107	71	*	13924	48	*	*	*

(Table 1.4.10 cont'd.)

East Harerge

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	117372	43757	73605	99214	37857	*	492988	328185	99114
Cereals	102459	27954	40662	95946	26184	*	476649	220208	81130
Teff	*	*	*	8608	750	-	59003	3889	1246
Barley	3815	220	*	*	*	*	78427	4184	7205
Wheat	11563	670	*	13107	1529	*	105549	9710	14848
Maize	69907	6948	12809	84976	12717	*	405953	55981	23474
Sorghum	63405	19780	17581	47171	10544	*	400496	145702	33512
Finger millet	-	-	-	-	-	-	*	*	*
Oats / 'Aja'	*	*	*	*	*	-	16162	682	835
Rice	-	-	-	-	-	-	-	-	-
Pulses	19533	1208	*	20148	1128	-	194683	11026	7834
Horse / Faba beans	*	*	*	*	*	-	38917	2695	2806
Field Peas	-	-	-	-	-	-	6821	*	228
Haricot beans	16378	1098	*	15768	962	-	110706	5735	3805
Chick peas	-	-	-	-	-	-	4265	*	*
Lentils	-	-	-	*	*	-	12228	*	146
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	4199	*	130	6070	108	-	85944	1752	808
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	18761	*	*	14727	*	*	159777	23216	10150
Neug	-	-	-	-	-	-	-	-	-
Linseed	4017	*	131	*	*	-	65769	1511	304
Groundnuts	*	*	*	*	*	-	86924	21320	9810
Safflower	-	-	-	-	-	-	*	*	-
Sesame	-	-	-	-	-	-	*	*	22
Rapeseed	*	*	*	*	*	*	*	*	*
Vegetables	*	*	*	1829	*	-	45968	399	-
Lettuce	*	*	*	-	-	-	*	*	-
Head cabbage	*	*	*	*	*	-	4286	*	-
Ethiopian cabbage	-	-	-	*	*	-	*	*	-
Tomatoes	*	*	*	*	*	-	7304	60	-
Green peppers	*	*	*	-	-	-	14592	*	-
Red peppers	-	-	-	-	-	-	18871	152	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	30457	1366	*	17040	599	-	245090	9631	-
Beetroot	*	*	*	-	-	-	2157	*	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	*	*	*	*	*	-	24086	304	-
Potatoes	*	*	*	3410	*	-	32671	*	-
Garlic	*	*	*	*	*	-	17100	138	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	15124	514	*	12667	371	-	207542	7672	-
Other									
Temporary	*	*	*	*	50	-	162959	1669	-
Permanent crops							49860	679	
Avocado							*	*	
Bananas							37454	584	
Guava							7323	19	
Lemons							-	-	
Mangoes							6832	*	
Oranges							*	*	
Papayas							*	*	
Pineapples							-	-	
Stimulant							436570	60817	
Chat							423714	55391	
Coffee							119504	5394	
Hops / 'Geshe'							*	*	
Enset							-	-	
Sugar cane							13491	434	
Other permanent							24714	106	

(Table 1.4.10 Cont'd.)

East Harerge

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	71,892	9,251	2,997	19,121	2,439	146,404	34,595	178,842	59,448
Cereals	67,090	9,127	2,997	4,682	*	114,716	16,236	177,760	40,686
Teff	-	-	-	-	-	*	*	*	*
Barley	*	*	-	*	*	*	*	8,322	*
Wheat	1,980	*	*	*	*	*	*	*	*
Maize	65,110	8,792	2,678	*	*	87,460	6,392	164,630	21,742
Sorghum	*	*	*	*	*	67,717	9,635	93,471	17,268
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	-	*	*	22,686	*	50,445	2,776
Horse / Faba beans	*	*	-	*	*	*	*	6,029	*
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	18,682	*	38,730	2,371
Chick peas	-	-	-	-	-	-	-	*	*
Lentils	-	-	-	-	-	-	-	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	*	*	*	*	11,663	153
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	*	*	*	*	17,815	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	*	*	*	*
Groundnuts	-	-	-	*	*	*	*	*	*
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	*	*	-	-
Rapeseed	-	-	-	-	-	-	-	*	*
Vegetables	3,004	*	-	-	-	4,518	*	*	*
Lettuce	-	-	-	-	-	-	-	*	*
Head cabbage	3,004	*	-	-	-	*	*	*	*
Ethiopian cabbage	-	-	-	-	-	-	-	*	*
Tomatoes	*	*	-	-	-	*	*	*	*
Green peppers	-	-	-	-	-	*	*	*	*
Red peppers	-	-	-	-	-	*	*	*	*
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	3,005	*	-	*	*	50,458	2,203	35,365	1,174
Beetroot	*	*	-	-	-	-	-	*	*
Carrot	-	-	-	-	-	-	-	*	*
Onion	*	*	-	-	-	*	*	*	*
Potatoes	*	*	-	*	*	*	*	*	*
Garlic	-	-	-	-	-	*	*	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	-	*	*	41,519	1,987	27,814	757
Other									
Temporary	*	*	-	*	*	13,033	*	18,247	124
Permanent crops				*	*	22,548	*	1,800	*
Avocado				-	-	-	-	-	-
Bananas				*	*	21,569	*	*	*
Guava				*	*	-	-	*	*
Lemons				-	-	-	-	-	-
Mangoes				-	-	*	*	-	-
Oranges				-	-	-	-	-	-
Papayas				-	-	*	*	-	-
Pineapples				-	-	-	-	-	-
Stimulant	*	*	-	*	1,425	132,761	12,955	128,640	14,171
Chat				*	*	119,377	10,804	124,854	13,782
Coffee	*	*	-	*	*	54,299	2,151	13,720	389
Hops / 'Geshe'				-	-	-	-	*	*
Enset				-	-	-	-	-	-
Sugar cane				-	-	12,180	*	*	*
Other permanent				-	-	*	*	*	*

Table1.4.11 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Bale

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	399786	150284	122444	64488	14523	122878	130445	121731
Cereals	291692	140193	119351	33840	8950	119907	126136	118980
Teff	41858	7292	2564	7013	2141	12243	4372	2353
Barley	45206	17040	12724	3669	722	38586	16318	12724
Wheat	124085	98757	92581	4520	1411	100596	93019	92421
Maize	42788	7081	1674	20907	2977	15410	4104	1674
Sorghum	18602	*	*	4863	*	*	*	*
Finger millet	*	-	-	-	-	-	-	-
Oats / 'Aja'	19101	8036	*	2977	*	25494	7618	*
Rice	-	-	-	-	-	-	-	-
Pulses	26828	2312	630	13138	1221	7932	1018	627
Horse / Faba beans	9600	820	*	2683	*	2813	572	*
Field Peas	7872	*	*	*	*	*	*	*
Haricot beans	3754	*	*	8618	*	*	*	*
Chick peas	*	*	*	*	*	*	*	*
Lentils	1338	*	*	*	*	1291	*	*
Vetch / Grass peas	*	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	2944	223	*	*	*	*	*	*
Gibto	-	-	-	-	-	-	-	-
Oilseeds	36191	*	*	2470	637	*	*	*
Neug	*	-	-	-	-	-	-	-
Linseed	17473	-	-	-	-	-	-	-
Groundnuts	*	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	18302	*	*	2166	633	*	*	*
Rapeseed	*	*	*	*	*	*	*	*
Vegetables	4599	*	*	16146	369	*	*	*
Lettuce	*	-	-	-	-	-	-	-
Head cabbage	*	*	*	*	*	*	*	*
Ethiopian cabbage	348	*	*	10600	*	*	*	*
Tomatoes	*	*	*	*	*	*	*	*
Green peppers	186	*	*	2837	*	*	*	*
Red peppers	*	*	*	3367	*	*	*	*
Swiss chard	-	-	-	-	-	-	-	-
Root crops	2120	*	*	9011	*	*	*	*
Beetroot	56	*	-	*	*	-	-	-
Carrot	*	*	-	*	*	-	-	-
Onion	236	*	*	*	*	*	*	*
Potatoes	*	*	*	*	*	*	*	*
Garlic	65	*	-	1232	*	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	-	*	*	-	-	-
Other Temporary	*	*	*	16879	*	*	*	*
Permanent crops	798	*	*	6329	*	*	*	*
Avocado	*	*	*	*	*	*	*	*
Bananas	*	*	*	*	*	*	*	*
Guava	*	-	-	-	-	-	-	-
Lemons	*	-	-	-	-	-	-	-
Mangoes	252	*	*	*	*	*	*	*
Oranges	*	*	*	*	*	*	*	*
Papayas	*	*	*	*	*	*	*	*
Pineapples	-	-	-	-	-	-	-	-
Stimulant	24609	2404	*	13519	2022	*	*	*
Chat	11064	1791	*	7689	1432	*	*	*
Coffee	13380	*	*	*	*	*	*	*
Hops / 'Geshe'	165	*	*	*	*	*	*	*
Enset	*	*	*	*	*	*	*	*
Sugar cane	*	24	*	*	*	*	*	*
Other permanent	*	*	*	*	*	*	*	*

(Table 1.4.11 cont'd.)

Bale

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	*	*	713	*	*	-	312451	392069	505078
Cereals	*	*	*	*	*	-	286037	288342	470152
Teff	*	*	*	-	-	-	94226	41261	15466
Barley	-	-	-	-	-	-	112646	45206	95808
Wheat	*	*	*	*	*	-	153830	121705	306004
Maize	-	-	-	-	-	-	166664	42416	16678
Sorghum	-	-	-	-	-	-	57359	18602	3934
Finger millet	-	-	-	-	-	-	*	*	*
Oats / 'Aja'	-	-	-	-	-	-	72269	19101	32226
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	*	-	-	-	115690	26794	19992
Horse / Faba									
beans	-	-	-	-	-	-	48011	9600	10114
Field Peas	-	-	-	-	-	-	24671	7872	5994
Haricot beans	-	-	-	-	-	-	45641	3720	1392
Chick peas	-	-	-	-	-	-	8814	*	*
Lentils	-	-	-	-	-	-	16810	1338	973
Vetch / Grass peas	-	-	-	-	-	-	*	*	*
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	*	*	*	-	-	-	20254	2944	1053
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	68147	36191	14934
Neug	-	-	-	-	-	-	*	*	*
Linseed	-	-	-	-	-	-	28295	17473	10229
Groundnuts	-	-	-	-	-	-	*	*	*
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	35978	18302	*
Rapeseed	-	-	-	-	-	-	*	*	*
Vegetables	-	-	-	*	-	-	61144	4599	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	-	-	-	-	-	-	4179	*	-
Ethiopian cabbage	-	-	-	-	-	-	27598	348	-
Tomatoes	-	-	-	-	-	-	2940	*	-
Green peppers	-	-	-	-	-	-	16011	186	-
Red peppers	-	-	-	*	-	-	21098	*	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	-	-	-	-	-	-	38957	2118	-
Beetroot	-	-	-	-	-	-	4513	54	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	-	-	-	-	-	-	12685	236	-
Potatoes	-	-	-	-	-	-	6250	*	-
Garlic	-	-	-	-	-	-	5386	65	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	*	*	-
Other									
Temporary	-	-	-	-	-	-	68348	*	-
Permanent crops							19725	689	
Avocado							*	*	
Bananas							9704	*	
Guava							1698	*	
Lemons							*	*	
Mangoes							6405	175	
Oranges							*	*	
Papayas							2607	*	
Pineapples							-	-	
Stimulant							75205	20392	
Chat							44647	10439	
Coffee							37977	9788	
Hops / 'Gesho'							9906	165	
Enset							*	*	
Sugar cane							6411	*	
Other permanent							3304	*	

(Table 1.4.11 Cont'd.)

Bale

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	9,133	3,501	*	141,487	154,472	10,459	*	123,851	125,359
Cereals	6,449	3,335	*	140,457	150,510	*	*	121,855	121,155
Teff	*	*	*	33,799	14,238	-	-	17,972	8,382
Barley	-	-	-	57,845	24,827	-	-	34,121	13,987
Wheat	*	*	*	106,926	100,553	-	-	94,890	89,479
Maize	*	*	*	4,404	958	*	*	14,089	3,306
Sorghum	-	-	-	*	*	*	*	*	*
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	37,275	9,610	-	-	20,207	5,426
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	*	2,535	652	*	*	5,691	684
Horse / Faba beans	-	-	-	*	*	-	-	1,889	550
Field Peas	-	-	-	*	*	-	-	*	*
Haricot beans	*	*	*	*	*	*	*	*	*
Chick peas	-	-	-	*	*	-	-	-	-
Lentils	-	-	-	*	*	-	-	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	*	*	-	-	*	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	3,460	*	*	*	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	*	*	-	-	*	*
Groundnuts	-	-	-	-	-	*	*	*	*
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	*	*	*	*	*	*
Rapeseed	-	-	-	-	-	-	-	*	*
Vegetables	-	-	-	*	*	*	*	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	*	*
Ethiopian cabbage	-	-	-	-	-	*	*	-	-
Tomatoes	-	-	-	-	-	*	*	*	*
Green peppers	-	-	-	-	-	*	*	*	*
Red peppers	-	-	-	*	*	-	-	*	*
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	-	-	-	*	*	*	*
Beetroot	*	*	-	-	-	-	-	*	*
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	*	*	*	*
Potatoes	-	-	-	-	-	-	-	*	*
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	*	*	*	*
Other									
Temporary	-	-	-	*	*	*	-	*	*
Permanent crops				-	-	*	*	*	*
Avocado				-	-	*	-	-	-
Bananas				-	-	*	*	*	*
Guava				-	-	*	*	-	-
Lemons				-	-	*	*	-	-
Mangoes				-	-	*	*	-	-
Oranges				-	-	*	*	-	-
Papayas				-	-	*	*	-	-
Pineapples				-	-	-	-	-	-
Stimulant	*	*	-	*	*	*	*	4,174	*
Chat				*	*	*	*	3,795	*
Coffee	*	*	-	-	-	*	*	*	*
Hops / 'Gescho'				-	-	-	-	-	-
Enset				-	-	-	-	-	-
Sugar cane				-	-	*	*	*	*
Other permanent				-	-	-	-	-	-

Table1.4.12 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Borena

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	59176	16227	*	57228	15676	*	*	*
Cereals	24789	7410	*	29259	7031	*	*	*
Teff	3680	*	*	*	*	*	*	*
Barley	*	*	-	*	*	-	-	-
Wheat	1245	*	-	*	*	-	-	-
Maize	13418	4085	*	26509	3836	*	*	*
Sorghum	*	*	-	*	*	-	-	-
Finger millet	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	*	-	-	-	-	-	-	-
Pulses	11561	2693	-	19662	2693	-	-	-
Horse / Faba beans	*	*	-	*	*	-	-	-
Field Peas	*	*	-	*	*	-	-	-
Haricot beans	10150	2656	-	19450	2656	-	-	-
Chick peas	*	*	-	*	*	-	-	-
Lentils	*	*	-	*	*	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Gibto	*	-	-	-	-	-	-	-
Oilseeds	*	*	-	1407	*	-	-	-
Neug	-	-	-	-	-	-	-	-
Linseed	*	-	-	-	-	-	-	-
Groundnuts	*	-	-	-	-	-	-	-
Safflower	*	*	-	*	*	-	-	-
Sesame	*	*	-	*	*	-	-	-
Rapeseed	*	*	-	*	*	-	-	-
Vegetables	591	191	-	17599	191	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	*	-	-	-	-	-	-	-
Ethiopian cabbage	484	149	-	13725	149	-	-	-
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	99	*	-	3964	*	-	-	-
Red peppers	*	*	-	*	*	-	-	-
Swiss chard	*	*	-	*	*	-	-	-
Root crops	685	*	*	9183	135	*	*	*
Beetroot	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	-	-
Potatoes	*	*	-	*	*	-	-	-
Garlic	*	*	-	*	*	-	-	-
Taro 'Godere'	*	*	-	4362	*	-	-	-
Sweet potatoes	594	*	*	*	*	*	*	*
Other Temporary	477	293	-	21409	293	-	-	-
Permanent crops	1006	*	-	14745	*	-	-	-
Avocado	191	*	-	3010	*	-	-	-
Bananas	787	*	-	9290	*	-	-	-
Guava	*	-	-	-	-	-	-	-
Lemons	*	*	-	*	*	-	-	-
Mangoes	*	*	-	*	*	-	-	-
Oranges	*	-	-	-	-	-	-	-
Papayas	*	*	-	*	*	-	-	-
Pineapples	-	-	-	-	-	-	-	-
Stimulant	13469	3067	-	26718	3063	-	-	-
Chat	1100	*	-	*	*	-	-	-
Coffee	12367	2954	-	24488	2950	-	-	-
Hops / 'Gescho'	*	-	-	-	-	-	-	-
Enset	6202	1740	-	28007	1740	-	-	-
Sugar cane	142	*	-	*	*	-	-	-
Other permanent	*	*	-	*	*	-	-	-

(Table 1.4.12 cont'd.)

Borena

[illegible]

(Table 1.4.12 Cont'd.)

Borena

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	8,713	*	*	*	*	*	*	*	*
Cereals	7,112	*	*	*	*	-	-	*	*
Teff	*	*	*	*	*	-	-	*	*
Barley	-	-	-	-	-	-	-	-	-
Wheat	*	*	*	-	-	-	-	-	-
Maize	6,926	*	*	*	*	-	-	*	*
Sorghum	-	-	-	-	-	-	-	-	-
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	*	*	*	-	-	*	*
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	*	*	*	*	*	-	-	*	*
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	-	-	-	*	*	*	*	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	*	*	*	*	*	*
Tomatoes	-	-	-	-	-	*	*	-	-
Green peppers	-	-	-	-	-	-	-	*	*
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	*	*
Root crops	-	-	-	*	*	-	-	-	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	*	*	-	-	-	-
Other									
Temporary	-	-	-	*	*	-	-	*	*
Permanent crops				-	-	*	*	*	*
Avocado				-	-	-	-	*	*
Bananas				-	-	*	*	*	*
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	-	-	-	-
Oranges				-	-	-	-	-	-
Papayas				-	-	-	-	-	-
Pineapples				-	-	-	-	-	-
Stimulant	*	*	-	*	*	*	-	*	*
Chat				*	*	-	-	*	*
Coffee	*	*	-	-	-	*	-	*	*
Hops / 'Gescho'				-	-	-	-	-	-
Enset				-	-	*	-	-	-
Sugar cane				-	-	*	*	-	-
Other permanent				-	-	-	-	-	-

Table1.4.13. Number of Holders, Inputs Applied Area and Quantity of Inputs used

South West Shewa

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	352907	242595	61526	248331	34624	74206	24443	29931
Cereals	241846	209522	49605	146450	17536	57565	17075	20458
Teff	134392	114721	20490	9912	1832	11042	4505	*
Barley	23724	22376	13025	26456	1463	33037	8554	12352
Wheat	57264	53076	14499	16321	1686	15395	2513	4071
Maize	21299	18340	1467	124223	11862	12044	1501	1001
Sorghum	4740	689	*	9963	621	-	-	-
Finger millet	*	*	-	*	*	-	-	-
Oats / 'Aja'	*	*	*	*	*	-	-	-
Rice	*	*	*	-	-	*	*	*
Pulses	80096	17645	10060	68145	4074	32034	7144	9054
Horse / Faba beans	9281	6950	3934	56153	2947	22603	2891	3791
Field Peas	9985	8644	5889	5143	201	16549	4058	5143
Haricot beans	439	123	*	9040	122	-	-	-
Chick peas	35447	*	*	*	*	-	-	-
Lentils	8409	708	147	*	*	2506	*	*
Vetch / Grass peas	15793	*	*	3156	*	-	-	-
Soya beans	*	*	-	*	*	-	-	-
Fenugreek	738	*	*	1529	*	*	*	*
Gibto	*	*	-	*	*	-	-	-
Oilseeds	13381	636	*	24333	420	*	*	*
Neug	8432	-	-	-	-	-	-	-
Linseed	4425	*	*	-	-	-	-	-
Groundnuts	*	*	-	*	*	-	-	-
Safflower	*	*	*	*	*	-	-	-
Sesame	*	-	-	-	-	-	-	-
Rapeseed	465	443	*	23302	399	*	*	*
Vegetables	2974	*	*	160974	1014	3157	*	*
Lettuce	*	2	-	2552	2	-	-	-
Head cabbage	54	41	-	23177	40	-	-	-
Ethiopian cabbage	741	669	*	123216	664	*	*	*
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	270	200	*	76548	159	*	*	*
Red peppers	*	*	*	*	*	*	*	*
Swiss chard	*	*	*	13564	*	*	*	*
Root crops	1310	1115	*	90815	503	7038	*	*
Beetroot	96	85	*	35948	70	*	*	*
Carrot	11	10	*	7936	10	*	*	*
Onion	246	144	*	17336	*	*	*	*
Potatoes	822	790	*	32863	298	*	*	*
Garlic	116	73	*	34431	61	1840	*	*
Taro 'Godere'	*	*	-	*	*	-	-	-
Sweet potatoes	*	*	*	2121	*	-	-	-
Other Temporary	505	359	*	61638	324	*	*	*
Permanent crops	215	*	*	20667	*			
Avocado	24	7	*	4092	7			
Bananas	*	*	*	13394	*			
Guava	*	*	*	*	*			
Lemons	11	*	*	*	*			
Mangoes	*	*	*	1469	*			
Oranges	*	*	*	*	*			
Papayas	*	*	*	5204	*			
Pineapples	-	-	*	-	-			
Stimulant	2361	1470	*	67082	1453			
Chat	*	1014	*	30599	1013			
Coffee	283	184	*	20306	184			
Hops / 'Geshe'	313	272	*	39327	255			
Enset	10081	9149	*	151041	9091			
Sugar cane	101	53	*	12686	52			
Other permanent	38	11	*	12157	11			

(Table 1.4.13 cont'd.)

South West Shewa

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	21250	4456	3603	198850	179072	27992	303205	341001	347712
Cereals	16365	3117	2012	196038	171795	27136	276871	230357	238006
Teff	7987	1976	985	153305	106408	*	190946	134172	73832
Barley	2595	*	*	47045	12001	*	100601	23630	57259
Wheat	3646	369	278	111868	48507	*	146362	50071	95907
Maize	4002	*	*	29429	4630	*	169263	17315	9045
Sorghum	*	*	*	-	-	-	29381	4740	1054
Finger millet	-	-	-	*	*	-	*	*	*
Oats / 'Aja'	-	-	-	*	*	*	3430	*	*
Rice	-	-	-	*	*	-	*	*	*
Pulses	*	*	*	22924	5932	*	189866	80096	105606
Horse / Faba beans	*	*	*	8026	996	-	113968	9281	21424
Field Peas	-	-	-	12940	4386	*	42050	9985	16888
Haricot beans	*	*	*	*	*	-	18079	439	274
Chick peas	*	*	*	*	*	-	85909	35447	44698
Lentils	*	*	*	4395	397	*	45722	8409	6459
Vetch / Grass peas	*	*	*	*	*	*	70772	15793	15396
Soya beans	-	-	-	-	-	-	*	*	-
Fenugreek	-	-	-	*	*	-	10742	738	458
Gibto	-	-	-	-	-	-	*	*	*
Oilseeds	1383	*	*	*	*	*	65007	13377	4101
Neug	-	-	-	-	-	-	25438	8432	923
Linseed	*	*	*	*	*	-	16816	4421	3066
Groundnuts	-	-	-	-	-	-	*	*	-
Safflower	*	*	*	-	-	-	*	*	*
Sesame	-	-	-	-	-	-	*	*	*
Rapeseed	*	*	*	*	*	*	29320	465	106
Vegetables	*	*	*	4927	*	*	196532	2973	-
Lettuce	-	-	-	-	-	-	6605	*	-
Head cabbage	-	-	-	*	*	-	33000	54	-
Ethiopian cabbage	*	*	*	*	*	-	140757	741	-
Tomatoes	-	-	-	-	-	-	2506	*	-
Green peppers	*	*	*	*	*	-	99967	270	-
Red peppers	*	*	*	*	*	*	*	*	-
Swiss chard	*	*	*	-	-	-	16427	*	-
Root crops	*	*	*	10085	414	*	119137	1251	-
Beetroot	*	*	*	*	*	*	44420	92	-
Carrot	-	-	-	-	-	-	9431	11	-
Onion	-	-	-	2030	*	-	23277	246	-
Potatoes	*	*	*	*	*	-	45463	768	-
Garlic	*	*	*	1871	*	*	51266	116	-
Taro 'Godere'	-	-	-	-	-	-	*	*	-
Sweet potatoes	*	*	*	-	-	-	3459	*	-
Other									
Temporary	*	*	*	*	*	-	83490	505	-
Permanent crops							28964	*	
Avocado							7854	21	
Bananas							17651	*	
Guava							*	*	
Lemons							3051	*	
Mangoes							*	*	
Oranges							4536	*	
Papayas							7738	*	
Pineapples							-	-	
Stimulant							88271	2243	
Chat							44015	*	
Coffee							23183	239	
Hops / 'Gesho'							53944	309	
Enset							157966	9876	
Sugar cane							16758	96	
Other permanent							22316	31	

(Table 1.4.13 Cont'd.)

South West Shewa

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	36,992	11,583	16,316	189,344	162,334	12,874	608	47,916	21,437
Cereals	32,053	11,489	16,302	185,278	150,166	*	*	44,026	17,304
Teff	*	*	*	141,994	92,896	*	*	*	*
Barley	*	*	*	47,770	10,498	-	-	11,016	*
Wheat	16,611	7,193	15,019	107,750	45,600	-	-	23,160	8,349
Maize	16,562	3,983	950	8,327	905	*	*	20,477	3,140
Sorghum	-	-	-	*	*	-	-	*	*
Finger millet	-	-	-	*	*	-	-	*	*
Oats / 'Aja'	-	-	-	*	*	-	-	-	-
Rice	-	-	-	*	*	-	-	-	-
Pulses	-	-	-	19,725	11,360	*	*	*	*
Horse / Faba beans	-	-	-	2,297	*	*	*	*	*
Field Peas	-	-	-	*	*	-	-	*	*
Haricot beans	-	-	-	*	*	*	*	-	-
Chick peas	-	-	-	*	*	-	-	-	-
Lentils	-	-	-	*	*	-	-	-	-
Vetch / Grass peas	-	-	-	*	*	-	-	*	*
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	*	*	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	*	*	*	*	*	-	-	*	*
Neug	-	-	-	-	-	-	-	*	*
Linseed	*	*	*	*	*	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	*	*	-	-	*	*
Vegetables	*	*	-	3,945	*	6,857	*	*	*
Lettuce	*	*	-	-	-	*	*	*	*
Head cabbage	-	-	-	*	*	*	*	*	*
Ethiopian cabbage	-	-	-	*	*	*	*	*	*
Tomatoes	*	*	-	-	-	*	*	*	*
Green peppers	-	-	-	*	*	4,997	*	*	*
Red peppers	-	-	-	*	*	-	-	-	-
Swiss chard	-	-	-	*	*	-	-	*	*
Root crops	*	*	-	1,818	*	5,655	*	*	*
Beetroot	*	*	-	*	*	*	*	*	*
Carrot	*	*	-	-	-	*	*	*	*
Onion	-	-	-	*	*	*	*	*	*
Potatoes	*	*	-	-	-	-	-	*	*
Garlic	-	-	-	-	-	*	*	*	*
Taro 'Godere'	-	-	-	*	*	*	*	-	-
Sweet potatoes	-	-	-	-	-	*	*	-	-
Other									
Temporary	-	-	-	*	*	*	*	*	*
Permanent crops				-	-	*	*	*	*
Avocado				-	-	*	*	*	*
Bananas				-	-	*	*	*	*
Guava				-	-	-	-	-	-
Lemons				-	-	*	*	-	-
Mangoes				-	-	*	*	-	-
Oranges				-	-	*	*	*	*
Papayas				-	-	*	*	-	-
Pineapples				-	-	-	-	-	-
Stimulant	3,493	*	-	*	*	*	*	*	*
Chat				*	*	*	*	*	*
Coffee	3,493	*	-	-	-	*	*	*	*
Hops / 'Gesho'				*	*	*	*	*	*
Enset				*	*	3,103	*	*	*
Sugar cane				-	-	*	*	-	-
Other permanent				-	-	*	*	*	*

Table1.4.14 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Guji

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	188113	50571	11817	87735	39307	16993	10454	10959
Cereals	102444	30012	9923	61038	19569	16402	9633	9065
Teff	15006	3624	573	9149	2848	2875	776	573
Barley	30784	14575	4003	29572	10806	8036	3770	4003
Wheat	5678	*	*	1372	*	*	*	*
Maize	50938	10829	4568	38231	5847	6330	*	3848
Sorghum	*	-	-	-	-	-	-	-
Finger millet	*	-	-	-	-	-	-	-
Oats / 'Aja'	*	*	*	-	-	*	*	*
Rice	-	-	-	-	-	-	-	-
Pulses	24713	7862	*	34322	7417	2589	*	*
Horse / Faba beans	7081	2010	*	17104	1851	*	*	*
Field Peas	5371	2347	*	9406	2069	*	*	*
Haricot beans	11973	*	-	11681	*	-	-	-
Chick peas	*	*	*	-	-	*	*	*
Lentils	*	*	-	*	*	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	*	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	*	*	-	*	*	-	-	-
Neug	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Rapeseed	*	*	-	*	*	-	-	-
Vegetables	2062	1037	*	46566	1029	*	*	*
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	*	*	-	-	-
Ethiopian cabbage	1795	915	*	43108	907	*	*	*
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	175	59	-	8729	59	-	-	-
Red peppers	-	-	-	-	-	-	-	-
Swiss chard	*	-	-	-	-	-	-	-
Root crops	897	253	*	10068	225	*	*	*
Beetroot	*	*	-	*	*	-	-	-
Carrot	-	-	-	-	-	-	-	-
Onion	*	*	-	1126	*	-	-	-
Potatoes	336	*	*	6434	*	*	*	*
Garlic	*	*	-	*	*	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	387	*	-	*	*	-	-	-
Other Temporary	1148	*	-	15647	*	-	-	-
Permanent crops	1751	*	-	7766	*	-	-	-
Avocado	302	*	-	*	*	-	-	-
Bananas	1317	57	-	4201	44	-	-	-
Guava	*	*	-	*	*	-	-	-
Lemons	*	*	-	*	*	-	-	-
Mangoes	*	-	-	-	-	-	-	-
Oranges	*	*	-	*	*	-	-	-
Papayas	*	*	-	*	*	-	-	-
Pineapples	-	-	-	-	-	-	-	-
Stimulant	21477	2506	-	11500	2179	-	-	-
Chat	*	*	-	1223	*	-	-	-
Coffee	19535	2167	-	11206	2125	-	-	-
Hops / 'Geshe'	*	-	-	-	-	-	-	-
Enset	32949	8320	-	55549	8320	-	-	-
Sugar cane	423	*	-	1930	*	-	-	-
Other permanent	200	14	-	2269	14	-	-	-

(Table 1.4.14 cont'd.)

Guji

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	1153	*	576	*	*	*	224354	170813	86121
Cereals	1153	*	576	*	*	*	183913	91883	65641
Teff	-	-	-	-	-	-	45018	14321	5974
Barley	-	-	-	-	-	-	66177	29132	31023
Wheat	*	*	*	-	-	-	18619	5435	8549
Maize	*	*	*	*	*	*	132860	42955	20076
Sorghum	-	-	-	-	-	-	*	*	*
Finger millet	-	-	-	-	-	-	*	*	*
Oats / 'Aja'	-	-	-	-	-	-	*	*	*
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	-	-	-	106731	24240	20476
Horse / Faba beans	-	-	-	-	-	-	50982	6926	9222
Field Peas	-	-	-	-	-	-	16323	5180	3905
Haricot beans	-	-	-	-	-	-	52030	11852	7262
Chick peas	-	-	-	-	-	-	*	*	*
Lentils	-	-	-	-	-	-	*	*	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	*	*	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	*	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	*	*	*
Vegetables	-	-	-	-	-	-	92046	2026	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	*	*	-
Ethiopian cabbage	-	-	-	-	-	-	85074	1762	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	-	-	-	14765	172	-
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	*	*	-
Root crops	-	-	-	-	-	-	29709	895	-
Beetroot	-	-	-	-	-	-	*	*	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	1679	*	-
Potatoes	-	-	-	-	-	-	12955	336	-
Garlic	-	-	-	-	-	-	3597	*	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	13176	386	-
Other Temporary	-	-	-	-	-	-	36044	1148	-
Permanent crops							35580	1751	
Avocado							17254	302	
Bananas							20556	1317	
Guava							*	*	
Lemons							*	*	
Mangoes							*	*	
Oranges							*	*	
Papayas							2210	*	
Pineapples							-	-	
Stimulant							82537	17387	
Chat							9106	*	
Coffee							79678	15445	
Hops / 'Gesho'							*	*	
Enset							149854	30894	
Sugar cane							8137	397	
Other permanent							5236	*	

(Table 1.4.14 Cont'd.)

Guji

	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
Crop type	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	32,063	16,404	4,428	4,213	*	*	*	7,027	2,795
Cereals	16,184	10,432	4,191	2,231	*	-	-	5,049	2,332
Teff	*	*	*	*	*	-	-	*	*
Barley	2,795	*	1,292	*	*	-	-	*	*
Wheat	*	*	*	*	*	-	-	-	-
Maize	13,150	7,889	2,328	*	*	-	-	3,025	*
Sorghum	-	-	-	-	-	-	-	-	-
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	*	*	*	*	*	1,955	*
Horse / Faba beans	*	*	-	-	-	*	*	*	*
Field Peas	*	*	*	*	-	-	-	*	*
Haricot beans	*	*	*	*	*	-	-	*	*
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	1,403	*	-	*	*	*	*	1,539	16
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	-	-	*	*	-	-
Ethiopian cabbage	1,130	*	-	-	-	-	-	*	*
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	*	*	-	-	*	*
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	-	-	-	-	-	*	*
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	*	*
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	-	-	-	-	-	-	-
Other Temporary	-	-	-	*	*	-	-	*	*
Permanent crops				-	-	*	*	*	-
Avocado				-	-	-	-	*	-
Bananas				-	-	*	*	*	-
Guava				-	-	*	*	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	*	*	-	-
Oranges				-	-	-	-	-	-
Papayas				-	-	-	-	-	-
Pineapples				-	-	-	-	-	-
Stimulant	13,587	4,025	-	-	-	*	*	*	*
Chat				-	-	-	-	-	-
Coffee	13,587	4,025	-	-	-	*	*	*	*
Hops / 'Gesho'						-	-	-	-
Enset				*	*	-	-	-	-
Sugar cane				-	-	*	*	-	-
Other permanent				-	-	-	-	*	*

Table1.4.15 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Kelem

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	217581	31368	2022	89073	16761	3304	*	444
Cereals	124513	22310	560	61442	12194	*	*	*
Teff	18304	3941	*	3755	325	*	*	*
Barley	3166	418	-	9137	418	-	-	-
Wheat	6057	1056	*	6836	*	*	*	*
Maize	47792	14647	*	55853	9237	*	*	*
Sorghum	32017	1679	*	7334	1347	*	*	*
Finger millet	16798	*	*	*	150	*	*	*
Oats / 'Aja'	*	*	-	*	*	-	-	-
Rice	*	*	*	*	*	-	-	-
Pulses	20393	1396	*	29351	1348	*	*	*
Horse / Faba beans	6289	738	*	10450	710	*	*	*
Field Peas	3451	*	*	1482	*	*	*	*
Haricot beans	7140	314	-	14327	314	-	-	-
Chick peas	2535	*	-	*	*	-	-	-
Lentils	100	*	-	*	*	-	-	-
Vetch / Grass peas	*	*	-	*	*	-	-	-
Soya beans	85	*	-	1193	*	-	-	-
Fenugreek	734	208	*	9794	194	*	*	*
Gibto	-	-	-	-	-	-	-	-
Oilseeds	7598	577	*	10115	430	-	-	-
Neug	*	*	-	*	*	-	-	-
Linseed	279	*	-	*	*	-	-	-
Groundnuts	*	*	*	*	*	-	-	-
Safflower	*	*	-	*	*	-	-	-
Sesame	1409	-	-	-	-	-	-	-
Rapeseed	1047	545	*	9488	408	-	-	-
Vegetables	10914	4920	1152	32356	1015	*	*	*
Lettuce	*	-	-	-	-	-	-	-
Head cabbage	114	*	*	5227	*	-	-	-
Ethiopian cabbage	242	125	-	9247	120	-	-	-
Tomatoes	*	-	-	-	-	-	-	-
Green peppers	142	*	-	3059	*	-	-	-
Red peppers	10387	4698	1150	21662	797	*	*	*
Swiss chard	*	-	-	-	-	-	-	-
Root crops	2073	683	*	25481	366	-	-	-
Beetroot	32	25	*	4523	24	-	-	-
Carrot	9	*	-	*	*	-	-	-
Onion	*	*	*	3741	*	-	-	-
Potatoes	*	*	-	*	*	-	-	-
Garlic	44	21	-	4428	21	-	-	-
Taro 'Godere'	261	102	-	9994	102	-	-	-
Sweet potatoes	763	*	*	8493	128	-	-	-
Other Temporary	1508	340	*	23125	319	-	-	-
Permanent crops	1441	216		21232	213			
Avocado	*	*		*	*			
Bananas	956	139		15814	139			
Guava	*	*		*	*			
Lemons	*	*		*	*			
Mangoes	293	35		4705	35			
Oranges	36	*		1727	*			
Papayas	*	*		5235	18			
Pineapples	*	-		-	-			
Stimulant	48419	742		20441	693			
Chat	1171	*		5513	*			
Coffee	47178	627		17000	614			
Hops / 'Geshe'	70	5		2277	5			
Enset	536	174		16129	174			
Sugar cane	167	*		*	*			
Other permanent	19	*		*	*			

(Table 1.4.15 cont'd.)

Kelem

[illegible]

(Table 1.4.15 Cont'd.)

Kelem									
Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	32,114	7,578	1,315	51,751	19,942	*	*	32,131	7,545
Cereals	27,305	6,100	1,315	50,562	19,645	*	*	28,576	6,212
Teff	-	-	-	26,939	9,965	-	-	*	*
Barley	-	-	-	5,300	*	-	-	*	*
Wheat	*	*	*	14,744	*	-	-	*	*
Maize	26,651	6,042	1,277	1,597	*	*	*	27,357	5,619
Sorghum	*	*	*	6,166	1,586	-	-	*	*
Finger millet	-	-	-	26,488	4,607	-	-	*	*
Oats / 'Aja'	-	-	-	*	*	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	*	*	-	-	*	*
Horse / Faba beans	-	-	-	*	*	-	-	*	*
Field Peas	-	-	-	*	*	-	-	-	-
Haricot beans	-	-	-	*	*	-	-	-	-
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	*	*	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	*	*	*	*	*	-	-	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	*	*	-	-	-	-
Groundnuts	-	-	-	*	*	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	*	*	*	-	-	-	-	*	*
Vegetables	*	*	-	-	-	*	*	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	-	-	-	-	-	*	*	-	-
Green peppers	-	-	-	-	-	-	-	-	-
Red peppers	*	*	-	-	-	-	-	*	*
Swiss chard	-	-	-	-	-	-	-	*	*
Root crops	*	*	-	-	-	*	*	*	*
Beetroot	*	*	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	*	*	-	-	-	*	*	-	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	*	*	-	-
Taro 'Godere'	-	-	-	-	-	-	-	*	*
Sweet potatoes	-	-	-	-	-	*	*	*	*
Other Temporary	-	-	-	*	*	-	-	*	*
Permanent crops				-	-	*	*	950	*
Avocado				-	-	-	-	-	-
Bananas				-	-	*	*	*	*
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	*	*	*	*
Oranges				-	-	-	-	-	-
Papayas				-	-	*	*	-	-
Pineapples				-	-	-	-	-	-
Stimulant	5,651	1,397	-	*	*	*	*	4,953	*
Chat				*	*	*	*	*	*
Coffee	5,651	1,397	-	-	-	*	*	4,720	*
Hops / 'Geshe'				-	-	-	-	-	-
Enset				-	-	-	-	-	-
Sugar cane				-	-	*	*	-	-
Other permanent				-	-	-	-	-	-

Table1.4.16 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Horoguduru

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	268818	145694	60580	76684	17089	61725	67053	56349
Cereals	170810	125173	53783	53142	10048	56385	56966	49849
Teff	77310	61972	44630	6182	1808	51408	50625	43896
Barley	11557	3980	896	16564	2260	4322	873	891
Wheat	22252	18781	4309	4523	941	9303	2487	2648
Maize	47539	39397	3903	44472	4860	10966	2853	2368
Sorghum	10684	*	-	*	*	-	-	-
Finger millet	1173	*	*	-	-	*	*	*
Oats / 'Aja'	224	*	-	*	*	-	-	-
Rice	*	-	-	-	-	-	-	-
Pulses	21997	11118	5031	36260	3854	20207	6099	4979
Horse / Faba beans	10067	6058	2721	19666	2577	14280	3089	2711
Field Peas	9272	4730	2278	7854	979	11013	3001	2235
Haricot beans	*	*	-	2084	*	-	-	-
Chick peas	*	*	-	*	*	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	*	-	-	-	-	-	-	-
Fenugreek	259	179	*	18215	160	1419	*	*
Gibto	-	-	-	-	-	-	-	-
Oilseeds	72276	7667	1483	26061	1615	7848	3918	1295
Neug	56358	4691	*	2166	742	3596	*	*
Linseed	687	*	*	-	-	*	*	*
Groundnuts	*	*	-	*	*	-	-	-
Safflower	*	-	-	-	-	-	-	-
Sesame	7606	*	-	*	*	-	-	-
Rapeseed	3591	2949	869	24260	855	4738	224	688
Vegetables	607	252	*	31731	227	1066	*	*
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	30	17	-	5719	13	-	-	-
Ethiopian cabbage	*	*	*	1460	*	*	*	*
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	187	128	*	20759	109	*	*	*
Red peppers	371	95	*	8462	93	*	*	*
Swiss chard	*	*	-	*	*	-	-	-
Root crops	467	351	*	37861	347	*	*	*
Beetroot	43	29	-	6742	29	-	-	-
Carrot	3	2	-	1661	2	-	-	-
Onion	134	104	*	16921	103	-	-	-
Potatoes	62	57	-	1793	57	-	-	-
Garlic	219	155	*	30549	154	*	*	*
Taro 'Godere'	*	*	-	*	*	-	-	-
Sweet potatoes	4	*	*	*	*	-	-	-
Other Temporary	546	390	145	26293	339	1253	*	*
Permanent crops	102	42		4234	42			
Avocado	*	*		*	*			
Bananas	65	*		3180	*			
Guava	-	-		-	-			
Lemons	6	*		*	*			
Mangoes	*	*		*	*			
Oranges	*	-		-	-			
Papayas	*	*		*	*			
Pineapples	-	-		-	-			
Stimulant	1585	456		23279	438			
Chat	126	52		4356	51			
Coffee	*	85		3656	84			
Hops / 'Geshe'	558	319		21214	303			
Enset	*	*		3453	*			
Sugar cane	287	121		1852	*			
Other permanent	98	*		3712	*			

(Table 1.4.16 cont'd.)

Horoguduru

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	4760	1933	1737	69080	59618	*	111885	235686	178902
Cereals	4170	1769	1539	69080	56389	*	108189	137949	140692
Teff	*	*	*	16738	9464	672	85127	76537	61809
Barley	*	*	*	6566	835	-	42681	11536	23516
Wheat	*	*	*	35065	15271	*	53479	21601	47953
Maize	3207	*	*	53237	30084	*	79748	16760	4870
Sorghum	-	-	-	*	*	-	16473	10047	1631
Finger millet	-	-	-	*	*	-	5343	1173	589
Oats / 'Aja'	-	-	-	*	*	-	2607	224	*
Rice	-	-	-	-	-	-	*	*	*
Pulses	*	*	*	4478	1088	-	78092	21899	25091
Horse / Faba beans	*	*	*	1953	362	-	55475	10058	13374
Field Peas	*	*	*	2968	702	-	39754	9186	10078
Haricot beans	-	-	-	*	*	-	9123	*	*
Chick peas	-	-	-	-	-	-	2292	*	*
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	*	*	*
Fenugreek	-	-	-	*	*	-	28364	256	161
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	815	*	90	18341	2067	*	93083	72167	13119
Neug	*	*	*	801	*	-	63053	56358	8735
Linseed	-	-	-	*	*	-	5505	687	446
Groundnuts	-	-	-	-	-	-	7675	*	*
Safflower	-	-	-	-	-	-	*	*	*
Sesame	-	-	-	-	-	-	16433	7606	1129
Rapeseed	649	*	83	18185	1833	*	52216	3482	310
Vegetables	-	-	-	*	*	-	54936	603	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	*	*	-	9108	29	-
Ethiopian cabbage	-	-	-	-	-	-	2392	*	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	*	*	-	32130	185	-
Red peppers	-	-	-	-	-	-	20455	371	-
Swiss chard	-	-	-	-	-	-	*	*	-
Root crops	*	*	*	*	*	-	53966	463	-
Beetroot	-	-	-	*	*	-	10962	40	-
Carrot	-	-	-	-	-	-	2506	3	-
Onion	*	*	*	-	-	-	21628	134	-
Potatoes	-	-	-	-	-	-	2041	62	-
Garlic	*	*	*	-	-	-	42023	218	-
Taro 'Godere'	-	-	-	-	-	-	*	*	-
Sweet potatoes	*	*	*	-	-	-	1446	4	-
Other Temporary	*	*	*	2291	23	-	41778	543	-
Permanent crops							11818	102	
Avocado							*	*	
Bananas							8295	65	
Guava							-	-	
Lemons							1410	6	
Mangoes							2737	*	
Oranges							*	*	
Papayas							*	*	
Pineapples							-	-	
Stimulant							41912	1533	
Chat							9463	125	
Coffee							8415	*	
Hops / 'Gesho'							37398	547	
Enset							4495	*	
Sugar cane							6826	287	
Other permanent							6723	96	

(Table 1.4.16 Cont'd.)

Horoguduru

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	56,878	33,087	9,488	48,861	48,123	5,395	604	53,484	34,113
Cereals	55,771	32,858	9,416	48,695	47,897	1,062	*	52,920	31,794
Teff	*	*	*	43,883	34,824	*	*	2,055	*
Barley	*	*	*	4,540	549	*	*	*	*
Wheat	2,803	649	1,328	27,154	12,006	-	-	4,141	1,368
Maize	54,042	30,777	7,704	1,370	339	*	*	50,664	28,828
Sorghum	*	*	*	*	*	-	-	*	*
Finger millet	-	-	-	*	*	-	-	-	-
Oats / 'Aja'	-	-	-	*	*	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	*	636	*	*	*	*	*
Horse / Faba beans	*	*	*	*	*	*	*	*	*
Field Peas	*	*	*	*	*	*	*	*	*
Haricot beans	-	-	-	-	-	-	-	*	*
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	*	*	*	*	*	*	*	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	944	*	*	*	*	*	*	17,576	1,650
Neug	-	-	-	*	*	*	*	*	*
Linseed	-	-	-	*	*	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	*	*
Rapeseed	944	*	*	-	-	-	-	17,158	1,494
Vegetables	*	*	-	*	*	2,198	*	*	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	*	*	-	-	-	-
Ethiopian cabbage	*	*	-	-	-	*	*	-	-
Tomatoes	-	-	-	-	-	*	*	-	-
Green peppers	-	-	-	*	*	1,279	*	*	-
Red peppers	*	*	-	-	-	*	*	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	-	-	-	*	*	-	-
Beetroot	*	*	-	-	-	*	*	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	886	*	-	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	*	*	-	-	-	*	*	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other Temporary	-	-	-	-	-	*	*	1,934	29
Permanent crops				-	-	*	*	*	*
Avocado				-	-	-	-	-	-
Bananas				-	-	*	*	-	-
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	-	-	*	*
Oranges				-	-	-	-	-	-
Papayas				-	-	-	-	-	-
Pineapples				-	-	-	-	-	-
Stimulant	*	*	-	*	*	*	*	*	*
Chat				*	*	*	*	*	*
Coffee	*	*	-	*	*	*	*	*	*
Hops / 'Gesho'				*	*	941	*	*	*
Enset				-	-	-	-	-	-
Sugar cane				-	-	1,513	*	-	-
Other permanent				-	-	-	-	-	-

Table1.4.17 Number of Holders, Inputs Applied Area and Quantity of Inputs used

West Arsi

Crop type	All	All Fertilizers		Natural		DAP		
	Crop Area	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	377408	303888	203421	258348	51488	276574	215305	200672
Cereals	284541	240825	169002	121085	21641	253940	189708	167274
Teff	24408	15188	8398	4486	*	34909	11274	8236
Barley	67658	56043	42718	20484	3766	126777	49806	42685
Wheat	108259	102298	74426	*	*	105049	84179	73856
Maize	74482	60480	40530	102685	12812	130362	40095	39727
Sorghum	4208	2214	980	9351	*	8423	916	968
Finger millet	4199	3499	1709	6713	*	20967	*	1561
Oats / 'Aja'	*	*	241	*	*	4224	*	241
Rice	-	-	-	-	-	-	-	-
Pulses	34809	19782	14216	41702	2912	48783	13236	13413
Horse / Faba beans	1475	474	*	7110	*	5490	*	*
Field Peas	*	*	*	-	-	*	*	*
Haricot beans	21752	16650	12593	33202	2233	37663	10784	11791
Chick peas	*	*	-	*	*	-	-	-
Lentils	*	*	*	-	-	*	*	*
Vetch / Grass peas	*	*	*	*	*	*	*	*
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	*	*	*	*	*	*	*	*
Gibto	-	-	-	-	-	-	-	-
Oilseeds	7613	*	*	4290	*	*	*	*
Neug	-	-	-	-	-	-	-	-
Linseed	7442	*	-	*	*	-	-	-
Groundnuts	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Rapeseed	*	*	*	3412	*	*	*	*
Vegetables	5218	4093	*	162328	2393	14628	*	*
Lettuce	*	*	-	*	*	-	-	-
Head cabbage	1054	934	*	16058	373	6261	*	*
Ethiopian cabbage	2245	1750	112	150139	1622	5745	*	112
Tomatoes	*	*	*	-	-	*	*	*
Green peppers	126	88	*	26532	87	*	*	*
Red peppers	*	*	*	*	*	*	*	*
Swiss chard	*	*	-	*	*	-	-	-
Root crops	16286	15657	16731	52485	1566	91331	10504	16628
Beetroot	514	503	*	20257	329	*	*	*
Carrot	*	*	*	8432	*	*	*	*
Onion	*	*	*	6260	*	*	*	*
Potatoes	14700	14190	16383	15109	459	88361	10325	16314
Garlic	*	*	*	12226	*	*	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	*	4053	*	*	*	*
Other Temporary	1253	908	*	40171	540	5907	298	*
Permanent crops	*	*		19996	*			
Avocado	*	*		*	*			
Bananas	*	*		14693	*			
Guava	*	*		*	*			
Lemons	*	*		*	*			
Mangoes	*	*		*	*			
Oranges	*	*		*	*			
Papayas	*	*		*	*			
Pineapples	-	-		-	-			
Stimulant	*	*		29412	*			
Chat	*	*		5263	*			
Coffee	*	*		*	*			
Hops / 'Geshe'	*	*		*	*			
Enset	20701	17263		166203	17156			
Sugar cane	*	196		6044	*			
Other permanent	*	*		*	*			

(Table 1.4.17 cont'd.)

West Arsi

[illegible]

(Table 1.4.17 Cont'd.)

West Arsi

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	107,352	64,953	79,494	189,777	153,103	*	*	129,005	123,834
Cereals	101,892	62,517	78,946	172,871	144,395	*	*	119,473	112,325
Teff	*	*	*	42,341	15,832	*	*	12,287	*
Barley	6,196	2,023	4,773	91,899	38,229	-	-	56,823	22,630
Wheat	40,081	26,158	60,316	106,285	84,953	-	-	65,554	57,310
Maize	75,800	34,058	13,386	10,366	3,662	-	-	67,167	27,536
Sorghum	-	-	-	*	*	-	-	*	*
Finger millet	-	-	-	*	*	-	-	*	*
Oats / 'Aja'	-	-	-	4,584	*	-	-	*	*
Rice	-	-	-	-	-	-	-	-	-
Pulses	2,076	*	*	*	*	-	-	19,854	*
Horse / Faba beans	-	-	-	-	-	-	-	*	*
Field Peas	*	*	*	*	*	-	-	*	*
Haricot beans	*	*	*	*	*	-	-	*	*
Chick peas	*	*	*	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	*	*
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	*	*	*	*	*	*	*	2,846	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	*	*	*	*	*	-	-	*	*
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	*	*	*	*
Vegetables	*	*	-	*	*	*	*	19,417	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	*	*	*	*	1,557	*
Ethiopian cabbage	-	-	-	*	*	-	-	*	*
Tomatoes	-	-	-	*	*	*	*	*	*
Green peppers	-	-	-	*	*	-	-	*	*
Red peppers	-	-	-	*	*	-	-	*	*
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	-	22,589	*	*	*	23,612	1,324
Beetroot	-	-	-	*	*	-	-	*	*
Carrot	*	*	-	*	*	-	-	*	*
Onion	-	-	-	*	*	*	*	1,540	*
Potatoes	-	-	-	20,231	*	-	-	16,951	1,260
Garlic	-	-	-	*	*	-	-	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	*	*	-	-	*	*
Other Temporary	-	-	-	-	-	-	-	*	*
Permanent crops				-	-	*	*	*	*
Avocado				-	-	-	-	*	*
Bananas				-	-	*	*	*	*
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	*	*
Mangoes				-	-	-	-	-	-
Oranges				-	-	-	-	-	-
Papayas				-	-	*	*	*	*
Pineapples				-	-	-	-	-	-
Stimulant	*	*	-	*	*	*	*	*	*
Chat				-	-	-	-	*	*
Coffee	*	*	-	*	*	*	*	*	*
Hops / 'Geshe'				-	-	-	-	-	-
Enset				*	*	-	-		
Sugar cane				-	-	*	*	1,804	*
Other permanent				-	-	-	-	*	*

Table1.5. Number of Holders, Inputs Applied Area and Quantity of Inputs used

Somalie Region

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	71943	4445	*	8490	*	*	*	*
Cereals	62663	*	*	6843	*	*	*	*
Teff	*	-	-	-	-	-	-	-
Barley	*	*	-	*	*	-	-	-
Wheat	4131	*	-	*	*	-	-	-
Maize	28934	*	*	5426	*	*	*	*
Sorghum	28369	1832	*	3902	1075	*	*	*
Finger millet	-	-	-	-	-	-	-	-
Oats / 'Aja'	*	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
Pulses	*	*	*	2549	91	*	*	*
Horse / Faba beans	-	-	-	-	-	-	-	-
Field Peas	*	-	-	-	-	-	-	-
Haricot beans	*	*	*	2549	91	*	*	*
Chick peas	*	-	-	-	-	-	-	-
Lentils	*	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	*	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	*	*	-	*	*	-	-	-
Neug	-	-	-	-	-	-	-	-
Linseed	*	-	-	-	-	-	-	-
Groundnuts	*	*	-	*	*	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	*	*	-	*	*	-	-	-
Rapeseed	-	-	-	-	-	-	-	-
Vegetables	541	*	-	1357	*	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-
Ethiopian cabbage	*	-	-	-	-	-	-	-
Tomatoes	476	*	-	*	*	-	-	-
Green peppers	47	*	-	*	*	-	-	-
Red peppers	*	*	-	*	*	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
Root crops	780	*	-	469	*	-	-	-
Beetroot	*	*	-	*	*	-	-	-
Carrot	-	-	-	-	-	-	-	-
Onion	734	*	-	*	*	-	-	-
Potatoes	*	-	-	-	-	-	-	-
Garlic	*	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	23	*	-	*	*	-	-	-
Other Temporary	*	*	-	*	*	-	-	-
Permanent crops	338	*	-	607	*	-	-	-
Avocado	-	-	-	-	-	-	-	-
Bananas	*	*	-	*	*	-	-	-
Guava	*	*	-	*	*	-	-	-
Lemons	33	-	-	-	-	-	-	-
Mangoes	50	*	-	279	*	-	-	-
Oranges	163	*	-	*	*	-	-	-
Papayas	*	*	-	*	*	-	-	-
Pineapples	-	-	-	-	-	-	-	-
Stimulant	4736	*	-	*	*	-	-	-
Chat	4725	*	-	*	*	-	-	-
Coffee	*	*	-	*	*	-	-	-
Hops / 'Geshe'	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-
Sugar cane	*	-	-	-	-	-	-	-
Other permanent	*	*	-	*	*	-	-	-

(Table 1.5.cont'd.)

Somalie Region

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	-	-	-	*	*	-	88807	70635	31498
Cereals	-	-	-	*	*	-	86698	62271	29792
Teff	-	-	-	-	-	-	*	*	*
Barley	-	-	-	-	-	-	3554	*	*
Wheat	-	-	-	-	-	-	12154	4131	3504
Maize	-	-	-	*	*	-	73836	28644	14576
Sorghum	-	-	-	*	*	-	57039	28267	10929
Finger millet	-	-	-	-	-	-	-	-	-
Oats / ‘Aja’	-	-	-	-	-	-	*	*	*
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	*	*	-	11960	*	300
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	*	*	*
Haricot beans	-	-	-	*	*	-	10484	*	*
Chick peas	-	-	-	-	-	-	*	*	*
Lentils	-	-	-	-	-	-	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	*	*	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	*	*	-	*	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	*	*	*
Groundnuts	-	-	-	*	*	-	*	*	*
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	*	*	*
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	-	-	-	*	*	-	9087	500	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	*	*	-
Tomatoes	-	-	-	*	*	-	7733	435	-
Green peppers	-	-	-	-	-	-	*	47	-
Red peppers	-	-	-	-	-	-	*	*	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	-	-	-	*	*	-	6142	737	-
Beetroot	-	-	-	-	-	-	*	*	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	*	*	-	5115	692	-
Potatoes	-	-	-	-	-	-	*	*	-
Garlic	-	-	-	-	-	-	*	*	-
Taro ‘Godere’	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	676	23	-
Other	-	-	-	-	-	-	*	*	-
Temporary	-	-	-	-	-	-	*	*	-
Permanent crops	-	-	-	-	-	-	5227	337	-
Avocado	-	-	-	-	-	-	-	-	-
Bananas	-	-	-	-	-	-	*	*	-
Guava	-	-	-	-	-	-	*	*	-
Lemons	-	-	-	-	-	-	1388	33	-
Mangoes	-	-	-	-	-	-	2484	50	-
Oranges	-	-	-	-	-	-	1679	163	-
Papayas	-	-	-	-	-	-	*	*	-
Pineapples	-	-	-	-	-	-	-	-	-
Stimulant	-	-	-	-	-	-	17059	3938	-
Chat	-	-	-	-	-	-	16983	3927	-
Coffee	-	-	-	-	-	-	*	*	-
Hops / ‘Gesho’	-	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	-	*	*	-
Other permanent	-	-	-	-	-	-	1429	*	-

(Table 1.5 Cont'd.)

Somalie Region

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	1,392	*	*	*	*	4,556	2,146	*	*
Cereals	*	*	*	*	*	4,123	1,470	*	*
Teff	-	-	-	-	-	-	-	-	-
Barley	-	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-	-
Maize	*	*	*	-	-	2,510	326	*	*
Sorghum	*	*	*	*	*	2,680	1,145	*	*
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	*	*	*	*	-	-
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	*	*	-	-
Haricot beans	-	-	-	*	*	*	*	-	-
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	*	*	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	*	*	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	*	*	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	*	*	-	*	*	1,047	51	-	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	*	*	-	*	*	912	44	-	-
Green peppers	-	-	-	-	-	404	*	-	-
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	-	*	*	987	48	*	*
Beetroot	-	-	-	-	-	*	*	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	*	*	-	*	*	649	*	*	*
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	398	*	-	-
Other									
Temporary	-	-	-	-	-	*	*	-	-
Permanent crops				-	-	2,373	251	*	*
Avocado				-	-	-	-	-	-
Bananas				-	-	*	*	-	-
Guava				-	-	*	*	-	-
Lemons				-	-	1,210	28	-	-
Mangoes				-	-	1,161	*	*	*
Oranges				-	-	1,679	162	*	*
Papayas				-	-	*	*	-	-
Pineapples				-	-	-	-	-	-
Stimulant	-	-	-	-	-	2,283	301	*	*
Chat				-	-	2,207	291	*	*
Coffee	-	-	-	-	-	*	*	*	*
Hops / 'Gesho'				-	-	-	-	-	-
Enset				-	-	-	-	-	-
Sugar cane				-	-	*	*	-	-
Other permanent				-	-	1,009	12	-	-

Table1.5.1. Number of Holders, Inputs Applied Area and Quantity of Inputs used

Shinele

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	2888	367	-	1370	364	-	-	-
Cereals	2238	259	-	940	259	-	-	-
Teff	-	-	-	-	-	-	-	-
Barley	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-
Maize	394	*	-	394	*	-	-	-
Sorghum	1844	223	-	835	223	-	-	-
Finger millet	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
Pulses	*	*	-	*	*	-	-	-
Horse / Faba beans	-	-	-	-	-	-	-	-
Field Peas	*	-	-	-	-	-	-	-
Haricot beans	*	*	-	*	*	-	-	-
Chick peas	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	*	*	-	*	*	-	-	-
Neug	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-
Groundnuts	*	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	*	*	-	*	*	-	-	-
Rapeseed	-	-	-	-	-	-	-	-
Vegetables	*	*	-	*	*	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-
Ethiopian cabbage	*	-	-	-	-	-	-	-
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	*	*	-	*	*	-	-	-
Red peppers	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
Root crops	25	*	-	*	*	-	-	-
Beetroot	*	*	-	*	*	-	-	-
Carrot	-	-	-	-	-	-	-	-
Onion	*	*	-	*	*	-	-	-
Potatoes	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	-	*	*	-	-	-
Other Temporary	*	*	-	*	*	-	-	-
Permanent crops	257	*	-	607	*	-	-	-
Avocado	-	-	-	-	-	-	-	-
Bananas	*	*	-	*	*	-	-	-
Guava	*	*	-	*	*	-	-	-
Lemons	31	-	-	-	-	-	-	-
Mangoes	*	*	-	279	*	-	-	-
Oranges	163	*	-	*	*	-	-	-
Papayas	*	*	-	*	*	-	-	-
Pineapples	-	-	-	-	-	-	-	-
Stimulant	*	*	-	*	*	-	-	-
Chat	*	*	-	*	*	-	-	-
Coffee	*	*	-	*	*	-	-	-
Hops / 'Geshe'	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-
Sugar cane	*	-	-	-	-	-	-	-
Other permanent	13	*	-	*	*	-	-	-

(Table 1.5.1 cont'd.)

Shinele

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	-	-	-	*	*	-	5805	2868	437
Cereals	-	-	-	-	-	-	5668	2219	435
Teff	-	-	-	-	-	-	-	-	-
Barley	-	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-	-
Maize	-	-	-	-	-	-	2367	388	108
Sorghum	-	-	-	-	-	-	5013	1830	328
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	-	-	-	*	*	*
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	*	*	-
Haricot beans	-	-	-	-	-	-	*	*	*
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	*	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	*	*	*
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	*	*	*
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	-	-	-	*	*	-	589	*	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	*	*	-
Tomatoes	-	-	-	*	*	-	430	*	-
Green peppers	-	-	-	-	-	-	339	*	-
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	-	-	-	*	*	-	779	25	-
Beetroot	-	-	-	-	-	-	*	*	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	*	*	-	442	*	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	398	*	-
Other Temporary	-	-	-	-	-	-	*	*	-
Permanent crops							2253	257	
Avocado							-	-	
Bananas							*	*	
Guava							*	*	
Lemons							1234	31	
Mangoes							1244	*	
Oranges							1679	163	
Papayas							*	*	
Pineapples							-	-	
Stimulant							2121	*	
Chat							2044	*	
Coffee							*	*	
Hops / 'Gesho'							-	-	
Enset							-	-	
Sugar cane							*	*	
Other permanent							979	13	

(Table 1.5.1 Cont'd.)

Shinele

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	*	*	*	*	*	3,167	1,885	*	*
Cereals	*	*	*	*	*	3,006	1,299	*	*
Teff	-	-	-	-	-	-	-	-	-
Barley	-	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-	-
Maize	*	*	*	-	-	1,394	*	-	-
Sorghum	*	*	*	*	*	2,528	1,116	*	*
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	-	-	*	*	-	-
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	*	*	-	-
Haricot beans	-	-	-	-	-	*	*	-	-
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	*	*	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	*	*	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	*	*	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	-	-	-	-	-	498	*	-	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	-	-	-	-	-	*	*	-	-
Green peppers	-	-	-	-	-	339	*	-	-
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	-	-	-	-	-	779	25	-	-
Beetroot	-	-	-	-	-	*	*	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	442	*	-	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	398	*	-	-
Other Temporary	-	-	-	-	-	*	*	-	-
Permanent crops	-	-	-	-	-	2,170	251	*	*
Avocado	-	-	-	-	-	-	-	-	-
Bananas	-	-	-	-	-	*	*	-	-
Guava	-	-	-	-	-	*	*	-	-
Lemons	-	-	-	-	-	1,210	28	-	-
Mangoes	-	-	-	-	-	1,161	*	*	*
Oranges	-	-	-	-	-	1,679	162	*	*
Papayas	-	-	-	-	-	*	*	-	-
Pineapples	-	-	-	-	-	-	-	-	-
Stimulant	-	-	-	-	-	1,980	272	*	*
Chat	-	-	-	-	-	1,903	261	*	*
Coffee	-	-	-	-	-	*	*	*	*
Hops / 'Geshe'	-	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	*	*	-	-
Other permanent	-	-	-	-	-	944	12	-	-

Table 1.5.2. Number of Holders, Inputs Applied Area and Quantity of Inputs used

Jijiga

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	65073	*	*	4917	*	*	*	*
Cereals	56714	*	*	*	*	*	*	*
Teff	*	-	-	-	-	-	-	-
Barley	*	*	-	*	*	-	-	-
Wheat	4078	*	-	*	*	-	-	-
Maize	24912	*	*	*	*	*	*	*
Sorghum	26493	*	*	*	*	*	*	*
Finger millet	-	-	-	-	-	-	-	-
Oats / 'Aja'	*	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
Pulses	*	*	*	*	*	*	*	*
Horse / Faba beans	-	-	-	-	-	-	-	-
Field Peas	*	-	-	-	-	-	-	-
Haricot beans	*	*	*	*	*	*	*	*
Chick peas	*	-	-	-	-	-	-	-
Lentils	*	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	*	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	*	*	-	*	*	-	-	-
Neug	-	-	-	-	-	-	-	-
Linseed	*	-	-	-	-	-	-	-
Groundnuts	*	*	-	*	*	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-
Vegetables	510	*	-	*	*	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-
Tomatoes	454	*	-	*	*	-	-	-
Green peppers	*	*	-	*	*	-	-	-
Red peppers	*	*	-	*	*	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
Root crops	746	*	-	*	*	-	-	-
Beetroot	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-
Onion	716	-	-	-	-	-	-	-
Potatoes	*	-	-	-	-	-	-	-
Garlic	*	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	-	*	*	-	-	-
Other Temporary	*	*	-	*	*	-	-	-
Permanent crops	*	-	-	-	-	-	-	-
Avocado	-	-	-	-	-	-	-	-
Bananas	-	-	-	-	-	-	-	-
Guava	*	-	-	-	-	-	-	-
Lemons	-	-	-	-	-	-	-	-
Mangoes	*	-	-	-	-	-	-	-
Oranges	-	-	-	-	-	-	-	-
Papayas	-	-	-	-	-	-	-	-
Pineapples	-	-	-	-	-	-	-	-
Stimulant	4411	*	-	*	*	-	-	-
Chat	4411	*	-	*	*	-	-	-
Coffee	-	-	-	-	-	-	-	-
Hops / 'Geshe'	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	-	-	-
Other permanent	*	-	-	-	-	-	-	-

(Table 1.5.2 cont'd.)

Jijiga

[illegible]

(Table 1.5.2 Cont'd.)

Jijiga

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	*	*	*	*	*	*	*	*	*
Cereals	*	*	*	*	*	*	*	*	*
Teff	-	-	-	-	-	-	-	-	-
Barley	-	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-	-
Maize	*	*	*	-	-	*	*	*	*
Sorghum	-	-	-	*	*	*	*	*	*
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	*	*	*	*	-	-
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	*	*	*	*	-	-
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	*	*	-	*	*	*	*	-	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	*	*	-	*	*	*	*	-	-
Green peppers	-	-	-	-	-	-	-	-	-
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	-	*	*	*	*	-	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	*	*	-	*	*	*	*	-	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other Temporary	-	-	-	-	-	-	-	-	-
Permanent crops				-	-	-	-	-	-
Avocado				-	-	-	-	-	-
Bananas				-	-	-	-	-	-
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	-	-	-	-
Oranges				-	-	-	-	-	-
Papayas				-	-	-	-	-	-
Pineapples				-	-	-	-	-	-
Stimulant	-	-	-	-	-	*	*	-	-
Chat				-	-	*	*	-	-
Coffee	-	-	-	-	-	-	-	-	-
Hops / 'Gesho'				-	-	-	-	-	-
Enset				-	-	-	-	-	-
Sugar cane				-	-	-	-	-	-
Other permanent				-	-	-	-	-	-

Table 1.5.3 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Liben

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	3983	124	-	2204	124	-	-	-
Cereals	3711	*	-	*	*	-	-	-
Teff	-	-	-	-	-	-	-	-
Barley	-	-	-	-	-	-	-	-
Wheat	*	-	-	-	-	-	-	-
Maize	3627	*	-	*	*	-	-	-
Sorghum	*	*	-	*	*	-	-	-
Finger millet	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
Pulses	196	*	-	1944	*	-	-	-
Horse / Faba beans	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-
Haricot beans	196	*	-	1944	*	-	-	-
Chick peas	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-
Vegetables	*	-	-	-	-	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-
Tomatoes	*	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	-	-	-
Red peppers	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
Root crops	*	-	-	-	-	-	-	-
Beetroot	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-
Onion	*	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-
Other Temporary	-	-	-	-	-	-	-	-
Permanent crops	*	-	-	-	-	-	-	-
Avocado	-	-	-	-	-	-	-	-
Bananas	*	-	-	-	-	-	-	-
Guava	-	-	-	-	-	-	-	-
Lemons	*	-	-	-	-	-	-	-
Mangoes	*	-	-	-	-	-	-	-
Oranges	-	-	-	-	-	-	-	-
Papayas	*	-	-	-	-	-	-	-
Pineapples	-	-	-	-	-	-	-	-
Stimulant	-	-	-	-	-	-	-	-
Chat	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-
Hops / 'Geshe'	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	-	-	-
Other permanent	-	-	-	-	-	-	-	-

(Table 1.5.3 cont'd.)

Liben

[illegible]

(Table 1.5.3 Cont'd.)

Liben

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	*	*	*	-	-	*	*	*	*
Cereals	*	*	*	-	-	*	*	-	-
Teff	-	-	-	-	-	-	-	-	-
Barley	-	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-	-
Maize	*	*	*	-	-	*	*	-	-
Sorghum	-	-	-	-	-	-	-	-	-
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	-	-	*	*	-	-
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	*	*	-	-
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	*	-	-	-	-	*	*	-	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	*	-	-	-	-	*	*	-	-
Green peppers	-	-	-	-	-	*	-	-	-
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	-	-	-	-	-	*	*	*	*
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	*	*	*	*
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other									
Temporary	-	-	-	-	-	-	-	-	-
Permanent crops				-	-	*	-	-	-
Avocado				-	-	-	-	-	-
Bananas				-	-	-	-	-	-
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	-	-	-	-
Oranges				-	-	-	-	-	-
Papayas				-	-	*	-	-	-
Pineapples				-	-	-	-	-	-
Stimulant	-	-	-	-	-	-	-	-	-
Chat				-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-	-
Hops / 'Geshe'				-	-	-	-	-	-
Enset				-	-	-	-	-	-
Sugar cane				-	-	-	-	-	-
Other permanent				-	-	*	-	-	-

Table 1.6 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Benishangul-Gumuz

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	250899	45980	15037	90646	17740	22226	17671	13647
Cereals	167658	39474	11292	77748	14040	20620	16236	10430
Teff	23615	11844	6831	3916	*	14486	9663	6706
Barley	818	*	*	2142	*	*	*	*
Wheat	1669	*	*	1078	210	*	*	*
Maize	46535	17627	1233	72410	9458	6232	1045	729
Sorghum	60122	2247	*	13442	2009	1113	*	28
Finger millet	34133	5493	1507	2603	797	4326	3843	1324
Oats / 'Aja'	*	*	-	*	*	-	-	-
Rice	*	*	*	*	*	*	*	*
Pulses	14218	2025	*	16437	1080	2786	*	*
Horse / Faba beans	601	404	*	4455	348	*	*	*
Field Peas	*	*	*	*	*	*	*	*
Haricot beans	4782	*	*	8847	*	-	-	-
Chick peas	1082	*	*	*	*	*	*	*
Lentils	*	*	*	*	*	*	*	*
Vetch / Grass peas	*	-	-	-	-	-	-	-
Soya beans	7230	1107	*	2683	*	1350	*	*
Fenugreek	*	*	*	*	*	*	*	*
Gibto	*	*	-	*	*	-	-	-
Oilseeds	59447	1928	574	7206	660	1826	*	*
Neug	12776	428	*	1610	387	*	*	*
Linseed	540	*	*	600	*	*	*	*
Groundnuts	15529	*	*	1249	*	-	-	-
Safflower	*	*	*	*	*	*	*	*
Sesame	29583	*	*	1941	*	*	*	*
Rapeseed	95	70	*	2337	39	*	*	*
Vegetables	2248	1042	*	29062	601	*	*	*
Lettuce	*	*	-	*	*	-	-	-
Head cabbage	19	9	*	2312	8	*	*	*
Ethiopian cabbage	81	7	*	1603	*	*	*	*
Tomatoes	29	*	-	1140	*	-	-	-
Green peppers	66	8	-	2382	8	-	-	-
Red peppers	2051	1009	*	24313	569	*	*	*
Swiss chard	*	*	-	*	*	-	-	-
Root crops	1293	439	*	19917	307	*	*	*
Beetroot	7	*	*	*	*	*	*	*
Carrot	2	*	-	*	*	-	-	-
Onion	89	36	*	4606	30	*	*	*
Potatoes	*	*	*	2471	*	*	*	*
Garlic	83	71	*	8478	58	*	*	*
Taro 'Godere'	33	10	-	1522	10	-	-	-
Sweet potatoes	770	96	*	7620	93	*	*	*
Other Temporary	2337	468	*	25711	455	621	*	*
Permanent crops	1558	177	*	15858	175	*	*	*
Avocado	8	*	*	*	*	*	*	*
Bananas	480	63	*	7852	63	*	*	*
Guava	*	*	*	713	*	*	*	*
Lemons	62	*	*	988	*	*	*	*
Mangoes	831	*	*	6751	*	*	*	*
Oranges	58	7	*	2067	6	*	*	*
Papayas	65	*	*	3193	*	*	*	*
Pineapples	*	-	-	-	-	*	*	*
Stimulant	1926	373	*	13617	371	*	*	*
Chat	754	*	*	3613	*	*	*	*
Coffee	1080	*	*	7650	*	*	*	*
Hops / 'Geshe'	92	*	*	7158	*	*	*	*
Enset	7	*	*	613	*	*	*	*
Sugar cane	164	*	*	*	*	*	*	*
Other permanent	44	*	*	3371	*	*	*	*

(Table 1.6. cont'd.)

Benishangul-Gumuz

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	8440	2514	1302	14329	8055	*	231670	242483	81838
Cereals	2646	1375	774	12557	7823	*	226367	160703	53755
Teff	*	*	*	*	721	*	48926	23428	11681
Barley	-	-	-	*	*	-	7052	818	*
Wheat	*	*	*	*	*	-	5724	1645	*
Maize	1183	451	505	11490	6674	-	196732	39968	10448
Sorghum	*	*	*	-	-	-	144198	59998	13919
Finger millet	971	*	182	*	*	-	71020	34080	13821
Oats / 'Aja'	-	-	-	-	-	-	*	*	*
Rice	-	-	-	*	*	-	2932	*	*
Pulses	*	*	*	*	*	-	78098	13845	7954
Horse / Faba beans	-	-	-	-	-	-	8497	601	427
Field Peas	-	-	-	-	-	-	3228	*	*
Haricot beans	*	*	*	-	-	-	47224	4703	2953
Chick peas	-	-	-	-	-	-	7631	1061	680
Lentils	-	-	-	-	-	-	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	*	*	*
Soya beans	*	*	*	*	*	-	19778	6957	3681
Fenugreek	-	-	-	-	-	-	903	*	*
Gibto	-	-	-	-	-	-	*	*	*
Oilseeds	*	*	*	-	-	-	136849	59018	20129
Neug	-	-	-	-	-	-	40229	12757	1978
Linseed	-	-	-	-	-	-	11830	540	165
Groundnuts	*	*	*	-	-	-	46010	15438	12077
Safflower	*	*	*	-	-	-	*	*	*
Sesame	*	*	*	-	-	-	89391	29265	5852
Rapeseed	-	-	-	-	-	-	4415	95	*
Vegetables	4687	147	*	2057	*	*	84199	2211	-
Lettuce	-	-	-	-	-	-	596	*	-
Head cabbage	-	-	-	-	-	-	6581	17	-
Ethiopian cabbage	-	-	-	-	-	-	7182	81	-
Tomatoes	-	-	-	-	-	-	5187	29	-
Green peppers	-	-	-	-	-	-	8369	66	-
Red peppers	4687	147	*	2057	*	*	68484	2015	-
Swiss chard	-	-	-	-	-	-	*	*	-
Root crops	*	*	*	-	-	-	57965	1279	-
Beetroot	-	-	-	-	-	-	3300	6	-
Carrot	-	-	-	-	-	-	1041	2	-
Onion	*	*	*	-	-	-	9132	84	-
Potatoes	-	-	-	-	-	-	5192	*	-
Garlic	-	-	-	-	-	-	12924	79	-
Taro 'Godere'	-	-	-	-	-	-	4869	33	-
Sweet potatoes	-	-	-	-	-	-	37920	766	-
Other Temporary	-	-	-	*	*	-	89815	2333	-
Permanent crops							77795	1335	
Avocado							2068	6	
Bananas							28845	417	
Guava							7980	*	
Lemons							8586	59	
Mangoes							57342	696	
Oranges							10801	47	
Papayas							17971	60	
Pineapples							*	*	
Stimulant							36481	1562	
Chat							13824	501	
Coffee							25022	973	
Hops / 'Gesho'							14927	88	
Enset							1619	7	
Sugar cane							7183	*	
Other permanent							9539	32	

(Table 1.6. Cont'd.)

Benishangul-Gumuz

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	17,816	7,682	2,041	12,304	9,473	10,025	384	31,444	23,511
Cereals	11,784	6,838	1,542	11,069	9,100	*	*	28,875	20,960
Teff	*	*	*	4,962	*	*	*	10,184	7,035
Barley	-	-	-	*	*	*	*	*	*
Wheat	*	*	*	*	*	-	-	*	*
Maize	11,431	6,501	1,379	*	*	-	-	16,453	7,810
Sorghum	*	*	*	*	*	-	-	798	*
Finger millet	*	*	*	4,113	3,610	-	-	6,066	5,493
Oats / 'Aja'	-	-	-	*	*	*	*	-	-
Rice	-	-	-	*	*	-	-	*	*
Pulses	1,134	*	*	986	*	*	*	1,830	959
Horse / Faba beans	-	-	-	*	*	*	*	*	*
Field Peas	-	-	-	*	*	-	-	*	*
Haricot beans	*	*	*	*	*	*	*	*	*
Chick peas	*	*	*	*	*	-	-	*	*
Lentils	-	-	-	-	-	*	*	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	622	*	*	*	*	*	*	*	*
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	1,224	*	*	*	*	*	-	*	1,297
Neug	*	*	*	-	-	-	-	*	*
Linseed	-	-	-	*	*	-	-	-	-
Groundnuts	*	*	*	*	*	*	-	*	*
Safflower	-	-	-	-	-	-	-	*	*
Sesame	*	*	*	*	*	-	-	*	1,082
Rapeseed	-	-	-	-	-	-	-	*	*
Vegetables	1,120	*	-	*	*	*	*	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	*	*	-	-	*	*
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	-	-	-	-	-	*	*	*	*
Green peppers	-	-	-	-	-	-	-	*	*
Red peppers	*	*	-	*	*	-	-	*	*
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	-	*	*	*	*	1,637	*
Beetroot	*	*	-	-	-	*	*	*	*
Carrot	*	*	-	-	-	-	-	-	-
Onion	*	*	-	-	-	*	*	*	*
Potatoes	-	-	-	-	-	-	-	*	*
Garlic	*	*	-	*	*	*	*	*	*
Taro 'Godere'	-	-	-	-	-	*	*	-	-
Sweet potatoes	*	*	-	-	-	*	*	*	*
Other									
Temporary	*	*	-	-	-	-	-	1,318	*
Permanent crops				-	-	*	*	*	*
Avocado				-	-	*	*	-	-
Bananas				-	-	*	*	*	*
Guava				-	-	*	*	-	-
Lemons				-	-	*	*	-	-
Mangoes				-	-	*	*	*	*
Oranges				-	-	*	*	*	*
Papayas				-	-	-	-	-	-
Pineapples				-	-	-	-	-	-
Stimulant	*	*	-	*	*	3,461	*	*	*
Chat				*	*	*	*	*	*
Coffee	*	*	-	*	*	*	*	*	*
Hops / 'Geshe'				*	*	*	*	-	-
Enset				-	-	-	-		
Sugar cane				-	-	*	*	*	-
Other permanent				-	-	*	*	*	*

Table1.6.1 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Metekel

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	150649	34277	11766	44031	10394	14800	15748	10622
Cereals	100085	29839	10693	36642	8118	14284	14577	9965
Teff	19784	10554	6676	*	*	10980	8796	6561
Barley	*	*	*	1709	*	*	*	*
Wheat	*	*	*	1078	210	*	*	*
Maize	21871	11981	879	35122	5953	*	641	483
Sorghum	26200	*	-	*	*	-	-	-
Finger millet	29168	4892	1461	670	*	3101	3658	1279
Oats / 'Aja'	*	*	-	*	*	-	-	-
Rice	*	*	*	*	*	*	*	*
Pulses	9399	1629	*	11174	859	1716	*	*
Horse / Faba beans	559	400	*	4397	343	*	*	*
Field Peas	*	*	*	*	*	*	*	*
Haricot beans	3268	*	-	6017	*	-	-	-
Chick peas	*	-	-	-	-	-	-	-
Lentils	*	*	*	*	*	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	*	*	*	*	*	*	*	*
Fenugreek	*	*	*	-	-	*	*	*
Gibto	*	*	-	*	*	-	-	-
Oilseeds	38429	1554	*	2562	409	1441	*	*
Neug	5035	*	*	489	*	*	*	*
Linseed	*	*	*	514	*	*	*	*
Groundnuts	14958	*	*	*	*	-	-	-
Safflower	*	*	*	*	*	*	*	*
Sesame	17342	*	*	-	-	*	*	*
Rapeseed	54	52	*	1279	*	*	*	*
Vegetables	839	418	*	14211	309	*	*	*
Lettuce	*	-	-	-	-	-	-	-
Head cabbage	*	*	*	*	*	*	*	*
Ethiopian cabbage	*	*	-	*	*	-	-	-
Tomatoes	*	-	-	-	-	-	-	-
Green peppers	*	*	-	913	*	-	-	-
Red peppers	792	409	*	12452	300	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
Root crops	664	*	41	12414	208	*	*	41
Beetroot	*	*	*	*	*	*	*	*
Carrot	*	-	-	-	-	-	-	-
Onion	*	*	*	3461	*	*	*	*
Potatoes	*	*	*	2366	*	*	*	*
Garlic	80	70	*	8067	58	*	*	*
Taro 'Godere'	10	*	-	*	*	-	-	-
Sweet potatoes	*	19	-	2492	19	-	-	-
Other Temporary	485	218	*	9741	209	*	*	*
Permanent crops	342	*		6839	*			
Avocado	*	-		-	-			
Bananas	*	*		*	*			
Guava	*	*		*	*			
Lemons	11	*		*	*			
Mangoes	125	11		3736	11			
Oranges	*	*		*	*			
Papayas	42	2		2455	2			
Pineapples	-	-		-	-			
Stimulant		*		5586	*			
Chat	3	*		*	*			
Coffee	*	*		*	*			
Hops / 'Geshe'	*	*		4738	*			
Enset	*	*		*	*			
Sugar cane	*	*		*	*			
Other permanent	*	*		2474	*			

(Table 1.6.1 cont'd.)

Metekel

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	4450	1913	1058	9581	6223	*	99735	145544	61651
Cereals	2080	968	641	9171	6176	*	97097	95672	40578
Teff	*	*	*	566	503	*	29047	19616	10786
Barley	-	-	-	*	*	-	4785	*	*
Wheat	*	*	*	*	*	-	5009	*	*
Maize	*	*	*	8389	5244	-	80774	17741	5601
Sorghum	-	-	-	-	-	-	40437	26149	7627
Finger millet	971	*	182	*	*	-	45455	29129	12842
Oats / 'Aja'	-	-	-	-	-	-	*	*	*
Rice	-	-	-	*	*	-	*	*	*
Pulses	*	*	*	*	*	-	41251	9144	5372
Horse / Faba beans	-	-	-	-	-	-	7838	559	382
Field Peas	-	-	-	-	-	-	3070	*	*
Haricot beans	-	-	-	-	-	-	25142	3230	2278
Chick peas	-	-	-	-	-	-	*	*	*
Lentils	-	-	-	-	-	-	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	*	*	*	*	*	-	*	*	*
Fenugreek	-	-	-	-	-	-	*	*	*
Gibto	-	-	-	-	-	-	*	*	*
Oilseeds	*	*	*	-	-	-	60676	38036	15700
Neug	-	-	-	-	-	-	10458	5035	1049
Linseed	-	-	-	-	-	-	1598	*	*
Groundnuts	*	*	*	-	-	-	32141	14876	11889
Safflower	*	*	*	-	-	-	*	*	*
Sesame	*	*	*	-	-	-	42167	17030	2669
Rapeseed	-	-	-	-	-	-	2313	54	5
Vegetables	*	*	*	*	*	-	40851	833	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	-	-	-	-	-	-	*	*	-
Ethiopian cabbage	-	-	-	-	-	-	1904	*	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	-	-	-	*	*	-
Red peppers	*	*	*	*	*	-	35492	788	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	-	-	-	-	-	-	24583	654	-
Beetroot	-	-	-	-	-	-	*	*	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	-	-	-	-	-	-	3750	*	-
Potatoes	-	-	-	-	-	-	3902	*	-
Garlic	-	-	-	-	-	-	11729	76	-
Taro 'Godere'	-	-	-	-	-	-	*	10	-
Sweet potatoes	-	-	-	-	-	-	10505	*	-
Other									
Temporary	-	-	-	-	-	-	27426	482	-
Permanent crops							21397	321	
Avocado							*	*	
Bananas							7668	*	
Guava							*	*	
Lemons							2448	11	
Mangoes							14868	113	
Oranges							1065	*	
Papayas							8990	41	
Pineapples							-	-	
							11360	*	
Chat							*	*	
Coffee							*	*	
Hops / 'Gesho'							7691	*	
Enset							*	*	
Sugar cane							*	*	
Other permanent							4186	*	

(Table 1.6.1 Cont'd.)

Metekel

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	6,909	5,079	1,434	10,232	9,075	4,192	*	23,925	21,050
Cereals	5,480	4,413	1,019	9,580	8,847	*	*	22,026	18,719
Teff	*	*	*	4,705	*	*	*	9,707	6,988
Barley	-	-	-	*	*	*	*	*	*
Wheat	*	*	*	*	*	-	-	*	*
Maize	5,126	4,129	878	*	*	-	-	10,466	5,725
Sorghum	*	*	*	-	-	-	-	-	-
Finger millet	*	*	*	3,813	3,576	-	-	5,675	5,460
Oats / 'Aja'	-	-	-	*	*	*	*	-	-
Rice	-	-	-	*	*	-	-	*	*
Pulses	624	*	*	*	*	*	*	1,195	*
Horse / Faba beans	-	-	-	*	*	*	*	*	*
Field Peas	-	-	-	*	*	-	-	*	*
Haricot beans	*	*	*	*	*	*	*	*	*
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	*	*	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	*	*	*	*	*	-	-	*	*
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	*	*	*	*	*	*	-	*	1,238
Neug	-	-	-	-	-	-	-	*	*
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	*	*	*	*	*	*	-	*	*
Safflower	-	-	-	-	-	-	-	*	*
Sesame	*	*	*	*	*	-	-	*	*
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	*	*	-	*	*	-	-	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	-	-	-	-	*	*
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	-	-	*	*
Red peppers	*	*	-	*	*	-	-	*	*
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	-	*	*	*	*	*	*
Beetroot	*	*	-	-	-	*	*	*	*
Carrot	-	-	-	-	-	-	-	-	-
Onion	*	*	-	-	-	*	*	*	*
Potatoes	-	-	-	-	-	-	-	*	*
Garlic	*	*	-	*	*	*	*	*	*
Taro 'Godere'	-	-	-	-	-	*	*	-	-
Sweet potatoes	*	*	-	-	-	-	-	*	*
Other									
Temporary	*	*	-	-	-	-	-	*	*
Permanent crops				-	-	*	*	*	*
Avocado				-	-	-	-	-	-
Bananas				-	-	*	*	*	*
Guava				-	-	*	*	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	-	-	-	-
Oranges				-	-	-	-	-	-
Papayas				-	-	-	-	-	-
Pineapples				-	-	-	-	-	-
Chat	-	-	-	*	*	*	*	-	-
Coffee	-	-	-	*	*	*	*	-	-
Hops / 'Gesho'				*	*	-	-	-	-
Enset				-	-	-	-	-	-
Sugar cane				-	-	*	*	-	-
Other permanent				-	-	*	*	*	*

Table 1.6.2 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Asosa

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	59406	8344	*	34926	5489	6663	1748	*
Cereals	42490	6817	409	31624	4482	5573	1493	386
Teff	3148	*	*	*	131	*	*	*
Barley	*	*	-	*	*	-	-	-
Wheat	-	-	-	-	-	-	-	-
Maize	13084	3164	*	27947	2289	1857	344	*
Sorghum	22290	1877	*	11432	1646	1084	*	27
Finger millet	3939	586	*	*	*	*	*	*
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	*	*	-	*	*	-	-	-
Pulses	2361	*	*	3080	*	*	*	*
Horse / Faba beans	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-
Haricot beans	567	*	-	*	*	-	-	-
Chick peas	*	*	*	*	*	*	*	*
Lentils	-	-	-	-	-	-	-	-
Vetch / Grass peas	*	-	-	-	-	-	-	-
Soya beans	1223	*	*	*	*	*	*	*
Fenugreek	*	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	10487	136	*	2846	127	*	*	*
Neug	6615	*	-	*	*	-	-	-
Linseed	292	-	-	-	-	-	-	-
Groundnuts	440	*	-	*	*	-	-	-
Safflower	*	*	*	*	*	*	*	*
Sesame	3109	37	*	1052	31	-	-	-
Rapeseed	*	*	-	*	*	-	-	-
Vegetables	1019	588	*	11294	264	*	*	*
Lettuce	*	*	-	*	*	-	-	-
Head cabbage	9	*	-	1301	*	-	-	-
Ethiopian cabbage	*	*	-	*	*	-	-	-
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	*	*	-	*	*	-	-	-
Red peppers	951	576	*	9870	253	*	*	*
Swiss chard	*	*	-	*	*	-	-	-
Root crops	340	41	*	3760	37	*	*	*
Beetroot	3	*	-	*	*	-	-	-
Carrot	*	*	-	*	*	-	-	-
Onion	*	*	*	*	*	-	-	-
Potatoes	*	-	-	-	-	-	-	-
Garlic	*	*	-	*	*	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	290	35	*	2661	32	*	*	*
Other Temporary	1052	169	*	10268	167	*	*	*
Permanent crops	928	*		6228	*			
Avocado	6	*		*	*			
Bananas	173	*		3396	*			
Guava	*	*		*	*			
Lemons	*	*		*	*			
Mangoes	614	*		1875	*			
Oranges	31	*		*	*			
Papayas	12	*		*	*			
Pineapples	-	-		-	-			
Chat	639	117		6995	116			
Coffee	*	*		2909	*			
Hops / 'Geshe'	303	60		4400	58			
Enset	28	*		*	*			
Sugar cane	-	-		-	-			
Other permanent	*	*		*	*			

(Table 1.6.2 cont'd.)

Asosa

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	3238	*	75	3881	*	*	93860	57392	12499
Cereals	*	*	*	*	*	*	92468	41186	8171
Teff	*	*	*	*	*	*	15812	3130	691
Barley	-	-	-	-	-	-	*	*	*
Wheat	-	-	-	-	-	-	-	-	-
Maize	-	-	-	*	*	-	81835	11886	2642
Sorghum	*	*	*	-	-	-	73876	22217	4059
Finger millet	-	-	-	-	-	-	18728	3926	737
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	*	*	*
Pulses	-	-	-	-	-	-	23158	2285	920
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	-	10236	567	*
Chick peas	-	-	-	-	-	-	5461	*	*
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	*	*	*
Soya beans	-	-	-	-	-	-	9968	1167	420
Fenugreek	-	-	-	-	-	-	*	*	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	*	*	*	-	-	-	47874	10452	*
Neug	-	-	-	-	-	-	22743	6596	816
Linseed	-	-	-	-	-	-	7137	292	*
Groundnuts	-	-	-	-	-	-	8765	430	133
Safflower	-	-	-	-	-	-	*	*	*
Sesame	*	*	*	-	-	-	23887	3103	*
Rapeseed	-	-	-	-	-	-	*	*	*
Vegetables	2449	*	*	*	*	*	28309	987	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	-	-	-	-	-	-	3474	9	-
Ethiopian cabbage	-	-	-	-	-	-	*	*	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	-	-	-	*	*	-
Red peppers	2449	*	*	*	*	*	23857	919	-
Swiss chard	-	-	-	-	-	-	*	*	-
Root crops	*	*	*	-	-	-	17192	336	-
Beetroot	-	-	-	-	-	-	1696	2	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	*	*	*	-	-	-	2119	*	-
Potatoes	-	-	-	-	-	-	*	*	-
Garlic	-	-	-	-	-	-	*	*	-
Taro 'Godere'	-	-	-	-	-	-	*	-	-
Sweet potatoes	-	-	-	-	-	-	13986	287	-
Other Temporary	-	-	-	*	*	-	40791	1051	-
Permanent crops							42438	729	
Avocado							1401	3	
Bananas							13830	120	
Guava							5640	*	
Lemons							5153	*	
Mangoes							34218	492	
Oranges							6038	20	
Papayas							6641	8	
Pineapples							-	-	
Stimulant							18924	289	
Chat							8139	60	
Coffee							14192	202	
Hops / 'Gesho'							7236	26	
Enset							-	-	
Sugar cane							*	*	
Other permanent							4889	9	

(Table 1.6.2 Cont'd.)

Asosa

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	8,963	1,323	253	*	*	*	*	5,797	1,414
Cereals	4,487	1,189	226	*	*	-	-	5,128	1,246
Teff	*	*	*	-	-	-	-	*	*
Barley	-	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-	-
Maize	4,487	1,135	204	*	*	-	-	4,319	1,101
Sorghum	*	*	*	-	-	-	-	663	*
Finger millet	*	*	*	-	-	-	-	*	*
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	*	*	*	*	*	*	*
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	-	-	-	-
Chick peas	-	-	-	*	*	-	-	*	*
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	*	*	*	-	-	*	*	*	*
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	*	*	*	-	-	-	-	*	*
Neug	*	*	*	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	*	*	*	-	-	-	-	*	*
Safflower	-	-	-	-	-	-	-	-	-
Sesame	*	*	*	-	-	-	-	*	*
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	*	*	-	*	*	*	*	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	*	*	-	-	*	*
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	-	-	-	-	-	*	*	-	-
Green peppers	-	-	-	-	-	-	-	-	-
Red peppers	*	*	-	-	-	-	-	*	*
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	-	-	-	*	*	*	*
Beetroot	*	*	-	-	-	-	-	-	-
Carrot	*	*	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	-	*	*
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	*	*	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	-	-	-	*	*	*	*
Other Temporary	-	-	-	-	-	-	-	*	*
Permanent crops				-	-	*	*	*	*
Avocado				-	-	*	*	-	-
Bananas				-	-	*	*	-	-
Guava				-	-	*	*	-	-
Lemons				-	-	*	*	-	-
Mangoes				-	-	*	*	*	*
Oranges				-	-	*	*	-	-
Papayas				-	-	-	-	-	-
Pineapples				-	-	-	-	-	-
Stimulant	*	*	-	*	*	*	*	*	*
Chat				*	*	*	*	*	*
Coffee	*	*	-	-	-	*	*	*	*
Hops / 'Geshe'				-	-	*	*	-	-
Enset				-	-	-	-	-	-
Sugar cane				-	-	*	*	-	-
Other permanent				-	-	*	*	-	-

Table1.6.3 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Kemashi

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	29864	2457	198	5590	1059	*	*	*
Cereals	17555	2136	*	4371	853	*	*	*
Teff	312	*	*	-	-	*	*	*
Barley	-	-	-	-	-	-	-	-
Wheat	*	-	-	-	-	-	-	-
Maize	8032	1883	*	4319	705	*	*	*
Sorghum	8865	*	-	*	*	-	-	-
Finger millet	337	*	-	*	*	-	-	-
Oats / 'Aja'	*	*	-	*	*	-	-	-
Rice	-	-	-	-	-	-	-	-
Pulses	*	*	-	1143	*	-	-	-
Horse / Faba beans	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-
Haricot beans	640	*	-	1143	*	-	-	-
Chick peas	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	*	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	9266	218	*	*	*	-	-	-
Neug	*	*	-	*	*	-	-	-
Linseed	-	-	-	-	-	-	-	-
Groundnuts	62	*	*	*	*	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	8581	*	*	*	*	-	-	-
Rapeseed	-	-	-	-	-	-	-	-
Vegetables	*	26	*	1980	19	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	4	*	-	*	*	-	-	-
Ethiopian cabbage	*	-	-	-	-	-	-	-
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	*	*	-	*	*	-	-	-
Red peppers	*	*	*	1160	11	-	-	-
Swiss chard	*	-	-	-	-	-	-	-
Root crops	103	23	-	1305	23	-	-	-
Beetroot	*	-	-	-	-	-	-	-
Carrot	*	*	-	*	*	-	-	-
Onion	*	*	-	*	*	-	-	-
Potatoes	*	*	-	*	*	-	-	-
Garlic	*	*	-	*	*	-	-	-
Taro 'Godere'	*	-	-	-	-	-	-	-
Sweet potatoes	72	*	-	709	*	-	-	-
Other Temporary	469	21	-	1684	21	-	-	-
Permanent crops	98	10	-	868	10	-	-	-
Avocado	*	-	-	-	-	-	-	-
Bananas	51	*	-	*	*	-	-	-
Guava	*	-	-	-	-	-	-	-
Lemons	5	*	-	*	*	-	-	-
Mangoes	31	*	-	641	*	-	-	-
Oranges	1	*	-	*	*	-	-	-
Papayas	*	*	-	*	*	-	-	-
Pineapples	-	-	-	-	-	-	-	-
Stimulant	*	-	-	-	-	-	-	-
Chat	-	-	-	-	-	-	-	-
Coffee	*	-	-	-	-	-	-	-
Hops / 'Geshe'	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-
Sugar cane	*	-	-	-	-	-	-	-
Other permanent	*	-	-	-	-	-	-	-

(Table 1.6.3 cont'd.)

Kemashi

[illegible]

(Table 1.6.3 Cont'd.)

Kemashi

	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
Crop type	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	*	*	*	*	*	*	*	*	*
Cereals	*	*	*	*	*	-	-	-	-
Teff	-	-	-	*	*	-	-	*	*
Barley	-	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-	-
Maize	*	*	*	-	-	-	-	1,419	*
Sorghum	-	-	-	*	*	-	-	*	*
Finger millet	-	-	-	-	-	-	-	*	*
Oats / ‘Aja’	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	*	-	-	-	-	-	-
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	*	*	*	-	-	-	-	-	-
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	*	*	-	-	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	*	*	-	-	*	*
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	-	-	-	-	-	-	-	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	-	-	-	-	-	-	-	*	*
Green peppers	-	-	-	-	-	-	-	-	-
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	-	-	-	-	-	-	-	*	*
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro ‘Godere’	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	*	*
Other									
Temporary	-	-	-	-	-	-	-	*	*
Permanent crops				-	-	*	*	-	-
Avocado				-	-	-	-	-	-
Bananas				-	-	-	-	-	-
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	*	*	-	-
Oranges				-	-	-	-	-	-
Papayas				-	-	-	-	-	-
Pineapples				-	-	-	-	-	-
Stimulant	-	-	-	-	-	-	-	-	-
Chat				-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-	-
Hops / ‘Gesho’				-	-	-	-	-	-
Enset				-	-	-	-	-	-
Sugar cane				-	-	-	-	*	-
Other permanent				-	-	-	-	-	-

Table 1.6.4 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Mao-Komo Special

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	10980	903	*	6100	798	*	*	*
Cereals	7529	682	*	5111	587	*	*	*
Teff	371	*	-	*	*	-	-	-
Barley	96	*	-	*	*	-	-	-
Wheat	58	-	-	-	-	-	-	-
Maize	3548	599	*	5022	511	*	*	*
Sorghum	2767	56	*	407	50	*	*	*
Finger millet	688	*	-	*	*	-	-	-
Oats / 'Aja'	*	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
Pulses	396	15	*	1041	15	-	-	-
Horse / Faba beans	42	*	-	*	*	-	-	-
Field Peas	*	-	-	-	-	-	-	-
Haricot beans	306	10	*	951	10	-	-	-
Chick peas	23	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	19	*	-	*	*	-	-	-
Fenugreek	1	*	-	*	*	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	1265	*	*	647	*	*	*	*
Neug	503	*	-	*	*	-	-	-
Linseed	111	*	-	*	*	-	-	-
Groundnuts	70	*	*	*	*	-	-	-
Safflower	*	-	-	-	-	-	-	-
Sesame	551	*	-	*	*	-	-	-
Rapeseed	*	*	*	487	*	*	*	*
Vegetables	82	10	*	1578	9	*	*	*
Lettuce	*	-	-	-	-	-	-	-
Head cabbage	2	1	-	300	1	-	-	-
Ethiopian cabbage	18	*	*	379	*	*	*	*
Tomatoes	11	1	-	323	1	-	-	-
Green peppers	13	*	-	288	*	-	-	-
Red peppers	37	5	-	830	5	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
Root crops	186	38	-	2437	38	-	-	-
Beetroot	*	-	-	-	-	-	-	-
Carrot	*	-	-	-	-	-	-	-
Onion	36	*	-	182	*	-	-	-
Potatoes	*	*	-	*	*	-	-	-
Garlic	*	-	-	-	-	-	-	-
Taro 'Godere'	20	3	-	668	3	-	-	-
Sweet potatoes	123	*	-	1758	*	-	-	-
Other Temporary	331	60	*	4018	58	*	*	*
Permanent crops	190	*	-	1924	*	-	-	-
Avocado	*	-	-	-	-	-	-	-
Bananas	102	*	-	1135	*	-	-	-
Guava	*	*	-	*	*	-	-	-
Lemons	1	-	-	-	-	-	-	-
Mangoes	61	*	-	499	*	-	-	-
Oranges	22	5	-	666	*	-	-	-
Papayas	2	*	-	*	*	-	-	-
Pineapples	*	-	-	-	-	-	-	-
Stimulant	981	41	-	1036	40	-	-	-
Chat	444	20	-	594	19	-	-	-
Coffee	537	*	-	752	*	-	-	-
Hops / 'Geshe'	-	-	-	-	-	-	-	-
Enset	7	*	-	474	*	-	-	-
Sugar cane	11	-	-	-	-	-	-	-
Other permanent	*	*	-	*	*	-	-	-

(Table 1.6.4 cont'd.)

Mao-Komo Special

[illegible]

Mao-Komo Special

[illegible]

Table 1.7 Number of Holders, Inputs Applied Area and Quantity of Inputs used

S.N.N.P. Region

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	1684859	993540	576624	2608177	389920	1235510	313802	527857
Cereals	900512	560579	355594	840289	65762	1053472	247288	340093
Teff	257795	181528	86791	42023	5507	416102	92633	82033
Barley	82305	46465	31998	154293	9717	239591	22665	30654
Wheat	125304	111208	123691	54092	4454	268541	42017	119738
Maize	306431	194633	96577	632943	33860	451356	80990	92402
Sorghum	122731	24122	13359	137725	11945	75624	7584	12149
Finger millet	4098	1798	1052	7014	186	22311	1215	1038
Oats / 'Aja'	450	241	194	3741	45	3672	*	*
Rice	*	*	*	*	*	*	*	*
Pulses	193323	84582	92975	681095	24496	489729	48580	91819
Horse / Faba beans	58355	22983	*	215277	6646	155324	13321	*
Field Peas	41779	10135	10403	62803	2029	75158	6734	10275
Haricot beans	88193	49214	46985	458794	15069	302659	27474	46539
Chick peas	3308	1439	*	9872	583	6525	631	283
Lentils	906	401	189	3765	89	5033	236	186
Vetch / Grass peas	241	*	*	*	*	*	*	*
Soya beans	129	*	*	3560	18	*	*	*
Fenugreek	340	*	*	9953	55	*	*	*
Gibto	73	*	*	-	-	*	-	*
Oilseeds	6419	1991	1439	35854	358	13442	1150	1144
Neug	*	*	*	*	*	*	*	*
Linseed	1416	639	129	8979	77	5688	184	86
Groundnuts	873	*	-	5231	*	-	-	-
Safflower	265	*	*	*	3	*	*	*
Sesame	2374	*	*	*	*	*	*	*
Rapeseed	788	*	*	20500	189	*	*	*
Vegetables	40689	34251	15314	1455996	16405	93913	4416	9188
Lettuce	13	7	-	2917	5	-	-	-
Head cabbage	787	522	*	74567	351	*	*	*
Ethiopian cabbage	18884	15588	2599	1371598	14503	43342	594	2197
Tomatoes	352	188	*	20694	*	*	*	*
Green peppers	1211	804	*	140106	563	*	*	*
Red peppers	19402	17121	12094	57201	792	42534	3623	6477
Swiss chard	41	22	-	13167	22	-	-	-
Root crops	70627	37853	*	1018738	30671	148573	3800	*
Beetroot	314	214	68	71410	149	3156	*	59
Carrot	162	141	*	28440	73	*	*	*
Onion	1089	503	162	76680	210	3424	97	*
Potatoes	8978	7968	*	156776	3486	95488	2364	*
Garlic	950	290	*	53027	242	3827	*	*
Taro 'Godere'	32046	15291	2843	578591	14451	7517	370	483
Sweet potatoes	27089	13447	*	475521	12060	41011	869	*
Other Temporary	40048	19481	15437	854147	13208	38612	1188	4489
Permanent crops	32338	13034		947036	11277			
Avocado	5814	3035		437037	2920			
Bananas	21002	7870		614733	6414			
Guava	193	71		23316	68			
Lemons	126	37		19059	37			
Mangoes	3103	965		158114	849			
Oranges	840	422		81628	399			
Papayas	1136	626		118870	579			
Pineapples	123	10		6370	10			
Stimulant	168490	71179		1467135	60175			
Chat	34042	22583		412364	17783			
Coffee	133184	48012		1305488	41876			
Hops / 'Gesho'	1264	584		90084	515			
Enset	217725	165275		2214251	163612			
Sugar cane	11586	4399		280391	3206			
Other permanent	3104	915		189555	751			

(Table 1.7.cont'd.)

S.N.N.P. Region

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	142316	18052	40203	887635	271765	8565	3387403	1476207	687778
Cereals	59705	9107	7903	823771	238422	7598	2468524	746543	538047
Teff	18724	4113	*	290611	79275	1805	971057	242295	116443
Barley	9383	926	889	129730	13156	456	725128	81077	111959
Wheat	3009	426	375	282550	64310	*	555894	97194	186934
Maize	28437	2502	2632	398998	77280	1543	1387573	204897	91454
Sorghum	10257	1101	1037	36772	3492	*	668132	115164	28059
Finger millet	*	*	*	6557	362	-	61628	4077	1405
Oats / 'Aja'	*	*	*	*	*	*	14850	450	443
Rice	-	-	-	*	*	-	*	*	*
Pulses	15861	870	942	178561	10636	*	1803172	190065	147799
Horse / Faba beans	3224	415	*	39547	2600	*	710259	57447	57952
Field Peas	*	*	*	20663	1290	*	352090	41593	29563
Haricot beans	10808	322	352	124829	6349	*	1138256	86043	56860
Chick peas	*	*	*	*	*	-	34346	3308	2507
Lentils	*	*	*	*	*	-	22396	906	433
Vetch / Grass peas	-	-	-	*	*	-	3845	241	*
Soya beans	-	-	-	*	*	-	9697	129	*
Fenugreek	-	-	-	*	*	-	23143	339	124
Gibto	-	-	-	*	*	-	*	59	*
Oilseeds	2272	*	*	5308	*	-	131417	6230	1932
Neug	-	-	-	-	-	-	3683	*	*
Linseed	*	*	*	2572	*	-	49443	1416	523
Groundnuts	-	-	-	-	-	-	15031	873	563
Safflower	-	-	-	*	*	-	10008	265	*
Sesame	-	-	-	*	*	-	17079	2216	518
Rapeseed	*	*	*	*	40	-	41494	787	88
Vegetables	22878	1440	*	103424	11990	*	1918316	40142	-
Lettuce	-	-	-	*	*	-	3138	9	-
Head cabbage	*	*	*	5231	*	-	98733	712	-
Ethiopian cabbage	5608	*	*	20397	336	*	1721983	18758	-
Tomatoes	-	-	-	*	*	-	35497	346	-
Green peppers	2991	*	92	3341	*	*	229859	1207	-
Red peppers	15643	1264	*	76750	11441	*	232529	19076	-
Swiss chard	-	-	-	-	-	-	17223	35	-
Root crops	23687	673	3377	80225	2709	*	1740815	70234	-
Beetroot	*	*	*	2243	*	*	102776	300	-
Carrot	*	*	*	*	*	-	38363	150	-
Onion	*	*	*	4678	*	*	136001	1062	-
Potatoes	*	*	*	47188	1888	*	332367	8965	-
Garlic	*	*	*	*	*	-	111564	948	-
Taro 'Godere'	14476	*	2360	3325	*	-	964156	31853	-
Sweet potatoes	4385	82	*	23751	436	*	812619	26956	-
Other									
Temporary	44118	3696	10949	20741	1389	-	1393291	39558	-
Permanent crops							1429047	28828	
Avocado							671515	5059	
Bananas							988801	18741	
Guava							50570	168	
Lemons							46783	111	
Mangoes							335362	2923	
Oranges							127588	646	
Papayas							220610	1064	
Pineapples							17570	118	
Stimulant							1951722	139295	
Chat							639961	28975	
Coffee							1748258	109187	
Hops / 'Gesho'							161774	1133	
Enset							2595627	201895	
Sugar cane							554600	10777	
Other permanent							414528	2640	

(Table 1.7 Cont'd.)

S.N.N.P. Region

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	686,102	154,487	101,939	582,401	193,035	113,101	28,171	820,209	235,797
Cereals	613,909	145,805	100,532	523,440	184,058	46,509	9,832	751,836	210,152
Teff	59,998	15,251	6,505	297,244	80,670	10,028	1,730	229,419	66,235
Barley	7,734	1,143	2,120	96,283	10,907	1,776	*	90,461	8,247
Wheat	133,264	28,024	58,253	307,041	74,845	-	-	177,764	34,151
Maize	482,177	101,154	33,493	11,853	1,471	40,470	7,260	423,609	92,724
Sorghum	2,112	*	*	34,727	13,917	*	*	48,988	7,777
Finger millet	630	*	*	6,492	783	-	-	5,915	*
Oats / 'Aja'	-	-	-	*	*	-	-	*	*
Rice	*	*	*	*	*	-	-	*	*
Pulses	34,296	2,761	1,346	18,133	2,144	19,851	1,120	165,826	16,878
Horse / Faba beans	2,326	*	582	9,468	1,225	*	*	32,990	4,189
Field Peas	*	*	*	3,262	*	*	*	11,476	1,422
Haricot beans	30,984	*	713	2,588	67	18,898	1,082	127,113	11,100
Chick peas	-	-	-	*	*	-	-	*	*
Lentils	-	-	-	*	*	-	-	919	*
Vetch / Grass peas	-	-	-	-	-	-	-	*	*
Soya beans	-	-	-	*	*	*	*	*	*
Fenugreek	-	-	-	*	*	*	*	*	*
Gibto	-	-	-	-	-	-	-	*	-
Oilseeds	*	188	*	*	*	*	*	7,254	643
Neug	*	*	*	-	-	-	-	*	*
Linseed	-	-	-	*	*	*	*	2,190	29
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	*
Sesame	*	*	*	*	*	*	*	4,207	*
Rapeseed	-	-	-	*	*	*	*	*	16
Vegetables	19,610	306	-	24,027	3,094	20,182	272	51,851	1,686
Lettuce	*	*	-	-	-	-	-	*	*
Head cabbage	13,313	69	-	*	*	*	*	18,120	89
Ethiopian cabbage	*	*	-	6,494	65	13,997	117	24,475	255
Tomatoes	*	*	-	*	*	2,103	*	*	*
Green peppers	*	*	-	*	*	4,008	30	*	28
Red peppers	*	*	-	14,840	2,937	1,612	*	10,029	1,306
Swiss chard	*	*	-	-	-	*	*	*	*
Root crops	23,729	170	-	37,003	1,608	19,549	578	66,405	1,128
Beetroot	6,722	13	-	1,782	*	*	*	7,663	16
Carrot	8,386	12	-	*	*	-	-	8,535	10
Onion	8,303	26	-	*	7	2,421	*	7,731	*
Potatoes	*	*	-	28,812	1,473	*	*	23,640	429
Garlic	*	*	-	*	*	*	*	*	*
Taro 'Godere'	1,540	*	-	1,947	*	4,285	76	8,983	222
Sweet potatoes	3,363	*	-	2,783	*	12,607	220	14,233	350
Other									
Temporary	*	*	-	4,693	29	26,335	*	32,582	1,316
Permanent crops				6,750	50	61,422	*	27,105	451
Avocado				1,591	*	27,848	211	6,347	32
Bananas				3,742	*	43,675	*	15,613	362
Guava				-	-	*	5	*	*
Lemons				-	-	6,148	28	*	*
Mangoes				*	*	14,204	*	3,933	*
Oranges				*	*	3,252	*	*	*
Papayas				*	*	13,893	89	*	*
Pineapples				*	*	*	*	-	-
Stimulant	52,942	*	-	32,799	1,582	64,944	5,016	62,227	2,039
Chat				26,847	1,308	*	*	21,868	635
Coffee	52,533	*	-	8,754	273	52,239	2,318	47,737	1,405
Hops / 'Gesho'				*	*	-	-	*	*
Enset				11,704	355	53,083	2,106		
Sugar cane				*	*	25,338	*	7,922	90
Other permanent				*	*	13,267	*	7,830	*

Table 1.7.1 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Gurage

Crop type	All	All Fertilizers		Natural		DAP		
	Crop Area	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	151125	123678	34703	274660	47879	111837	25049	24781
Cereals	96093	76536	25771	91275	7136	103809	23217	21681
Teff	36409	32257	11458	1479	*	31521	*	8773
Barley	10709	9419	5840	25913	*	57132	4978	5634
Wheat	15534	13764	4493	7944	*	34379	3056	4286
Maize	25796	20054	3636	63739	4846	13524	2849	2908
Sorghum	7520	918	*	6679	391	*	*	*
Finger millet	*	*	-	*	*	-	-	-
Oats / 'Aja'	*	*	*	*	*	*	*	*
Rice	-	-	-	-	-	-	-	-
Pulses	8127	4217	*	64253	1853	18925	*	*
Horse / Faba beans	3642	2521	*	52602	1610	10144	333	*
Field Peas	2376	*	*	3555	*	*	*	*
Haricot beans	533	302	*	11165	118	*	*	*
Chick peas	*	*	*	*	*	*	*	*
Lentils	*	-	-	-	-	-	-	-
Vetch / Grass peas	*	-	-	-	-	-	-	-
Soya beans	*	*	-	-	-	-	-	-
Fenugreek	*	*	-	*	*	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	793	*	*	3921	*	*	*	*
Neug	*	-	-	-	-	-	-	-
Linseed	*	*	-	*	*	-	-	-
Groundnuts	*	*	-	*	*	-	-	-
Safflower	*	*	*	-	-	*	*	*
Sesame	*	-	-	-	-	-	-	-
Rapeseed	*	*	*	*	*	-	-	-
Vegetables	5847	5114	*	178140	1913	2683	*	*
Lettuce	*	*	-	*	*	-	-	-
Head cabbage	177	*	*	27056	*	*	*	*
Ethiopian cabbage	2147	1633	*	170719	1622	*	*	*
Tomatoes	*	*	*	*	*	*	*	*
Green peppers	*	*	*	7491	*	-	-	-
Red peppers	3446	*	*	7466	*	*	*	*
Swiss chard	9	9	-	7540	9	-	-	-
Root crops	2165	1835	494	87398	1282	17476	145	441
Beetroot	6	5	-	9938	5	-	-	-
Carrot	14	12	*	14069	11	*	*	*
Onion	*	*	*	*	*	-	-	-
Potatoes	955	815	436	*	*	16671	143	436
Garlic	*	*	-	19679	*	-	-	-
Taro 'Godere'	733	697	*	44073	694	*	*	*
Sweet potatoes	*	*	-	*	*	-	-	-
Other Temporary	271	186	*	35075	157	*	*	*
Permanent crops	1104	941		99599	886			
Avocado	400	353		55472	344			
Bananas	238	216		31688	211			
Guava	12	12		2820	12			
Lemons	*	*		3217	*			
Mangoes	34	33		12849	33			
Oranges	283	208		39938	208			
Papayas	126	111		18961	70			
Pineapples	*	*		*	*			
Stimulant	11917	10627		146868	10491			
Chat	6694	6007		95742	5960			
Coffee	4726	4274		117853	4192			
Hops / 'Geshe'	497	347		36697	339			
Enset	24390	23816		234608	23793			
Sugar cane	223	180		17537	180			
Other permanent	196	170		36915	168			

(Table 1.7.1 cont'd.)

Gurage

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	19152	4448	*	111838	46303	*	309214	128446	69672
Cereals	12038	*	*	109011	43003	*	226504	74674	60282
Teff	*	*	*	42351	17662	*	79301	31749	11358
Barley	*	*	*	30715	3415	*	99521	10649	19481
Wheat	*	*	*	39805	9559	*	72243	10606	19785
Maize	*	*	*	40975	11994	*	90277	14025	7704
Sorghum	*	*	*	*	*	-	35844	7520	1881
Finger millet	-	-	-	-	-	-	*	*	*
Oats / 'Aja'	-	-	-	-	-	-	4522	*	*
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	*	10438	719	*	112678	8022	9274
Horse / Faba beans	*	*	*	4975	442	*	87670	3642	4224
Field Peas	*	*	*	*	*	-	21125	2271	*
Haricot beans	*	*	*	3719	*	-	21301	533	476
Chick peas	*	*	*	*	*	-	10632	*	*
Lentils	-	-	-	-	-	-	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	*	*	*
Soya beans	-	-	-	*	*	-	*	*	*
Fenugreek	-	-	-	-	-	-	*	*	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	*	*	*	*	*	-	14414	793	117
Neug	-	-	-	-	-	-	3264	*	*
Linseed	-	-	-	*	*	-	*	*	*
Groundnuts	-	-	-	-	-	-	*	*	*
Safflower	-	-	-	-	-	-	*	*	*
Sesame	-	-	-	-	-	-	*	*	*
Rapeseed	*	*	*	*	*	-	*	*	*
Vegetables	*	*	*	13835	*	*	204510	5803	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	-	-	-	-	-	-	30499	165	-
Ethiopian cabbage	*	*	*	*	*	-	189260	2118	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	*	*	*	*	*	*	8789	*	-
Red peppers	*	*	*	13133	*	-	29721	3443	-
Swiss chard	-	-	-	-	-	-	7540	9	-
Root crops	*	*	*	13144	391	*	122048	2149	-
Beetroot	-	-	-	-	-	-	9934	5	-
Carrot	-	-	-	*	*	-	14218	9	-
Onion	*	*	*	*	*	*	17375	*	-
Potatoes	-	-	-	*	*	-	55304	949	-
Garlic	-	-	-	-	-	-	25518	*	-
Taro 'Godere'	-	-	-	*	*	-	46427	733	-
Sweet potatoes	-	-	-	-	-	-	*	*	-
Other									
Temporary	*	*	*	*	*	-	51896	271	-
Permanent crops							106782	972	
Avocado							59500	345	
Bananas							34609	209	
Guava							2820	12	
Lemons							4344	*	
Mangoes							12994	32	
Oranges							40779	239	
Papayas							24022	125	
Pineapples							*	*	
Stimulant							154354	11348	
Chat							104792	6671	
Coffee							116445	4188	
Hops / 'Gesho'							45478	489	
Enset							235949	24061	
Sugar cane							18386	160	
Other permanent							48756	195	

(Table 1.7.1 Cont'd.)

Gurage

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	69,405	21,524	16,554	57,246	27,229	*	*	97,448	36,534
Cereals	59,239	21,410	16,554	49,962	26,320	*	*	73,872	35,556
Teff	10,539	4,660	1,738	36,793	*	-	-	25,687	*
Barley	*	*	*	6,331	416	-	-	10,658	965
Wheat	19,682	4,928	10,700	21,957	6,954	-	-	23,104	6,195
Maize	42,477	11,771	4,083	*	*	*	*	41,913	11,525
Sorghum	-	-	-	-	-	-	-	*	*
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	*	*	-	-	*	*
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	*	*	-	-	3,612	*
Horse / Faba beans	-	-	-	*	*	-	-	*	*
Field Peas	-	-	-	*	*	-	-	*	*
Haricot beans	-	-	-	-	-	-	-	*	*
Chick peas	-	-	-	*	*	-	-	-	-
Lentils	-	-	-	*	*	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	*	*
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	*	*
Vegetables	2,646	*	-	*	*	*	*	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	2,285	*	-	-	-	*	*	*	*
Ethiopian cabbage	-	-	-	*	*	*	*	*	*
Tomatoes	*	*	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	*	*	*	*
Red peppers	-	-	-	*	*	-	-	*	*
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	6,247	12	-	-	-	*	*	17,635	*
Beetroot	*	*	-	-	-	*	*	*	*
Carrot	4,473	*	-	-	-	-	-	4,307	4
Onion	*	*	-	-	-	-	-	*	*
Potatoes	*	*	-	-	-	-	-	*	*
Garlic	-	-	-	-	-	-	-	*	*
Taro 'Godere'	-	-	-	-	-	-	-	*	*
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other									
Temporary	-	-	-	-	-	-	-	*	*
Permanent crops				*	*	*	*	2,557	*
Avocado				-	-	-	-	*	*
Bananas				*	*	-	-	*	*
Guava				-	-	-	-	-	-
Lemons				-	-	*	*	-	-
Mangoes				-	-	-	-	-	-
Oranges				*	*	*	*	*	*
Papayas				-	-	*	*	*	*
Pineapples				-	-	-	-	-	-
Stimulant	7,774	62	-	3,272	*	*	*	5,413	58
Chat				*	*	-	-	2,189	*
Coffee	7,774	62	-	*	*	*	*	4,300	46
Hops / 'Gesho'				*	*	-	-	*	*
Enset				1,997	*	*	*		
Sugar cane				-	-	*	*	*	*
Other permanent				-	-	-	-	*	*

Table1.7.2 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Hadiya

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	159568	142029	96566	258937	36096	196594	55017	90299
Cereals	107586	96357	69763	81312	5837	173959	43304	65129
Teff	38039	36230	17010	3987	*	84184	15513	16374
Barley	4290	4176	6921	8113	218	40639	2822	6726
Wheat	36340	36095	31452	-	-	79818	14331	28679
Maize	21111	17636	13974	62680	3710	63272	10292	13024
Sorghum	7338	1940	182	27087	1450	4534	191	142
Finger millet	446	*	*	*	*	*	*	*
Oats / 'Aja'	*	*	*	*	*	-	-	-
Rice	-	-	-	-	-	-	-	-
Pulses	11991	11315	15456	51952	1507	84395	8599	15361
Horse / Faba beans	6147	6115	6599	13234	379	58666	5306	6596
Field Peas	2158	2155	2829	*	*	22682	1888	2757
Haricot beans	3534	2896	*	40420	1110	20723	*	*
Chick peas	*	*	*	-	-	*	*	*
Lentils	*	*	*	-	-	*	*	*
Vetch / Grass peas	*	*	*	-	-	*	*	*
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	*	*	-	*	*	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	833	*	*	9006	109	*	*	*
Neug	-	-	-	-	-	-	-	-
Linseed	*	*	*	*	*	2116	*	*
Groundnuts	*	*	-	*	*	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Rapeseed	*	*	*	7030	87	*	*	*
Vegetables	3853	3490	2265	200464	2338	17404	773	1956
Lettuce	*	*	-	*	*	-	-	-
Head cabbage	60	52	-	14635	52	-	-	-
Ethiopian cabbage	2327	2239	*	194431	1845	6154	*	*
Tomatoes	116	73	*	8795	67	*	*	*
Green peppers	205	200	*	22418	178	*	*	*
Red peppers	1139	*	*	6679	*	*	*	*
Swiss chard	*	*	-	*	*	-	-	-
Root crops	4398	3958	*	114792	2678	28783	884	*
Beetroot	78	69	*	39241	66	*	*	*
Carrot	*	*	-	*	*	-	-	-
Onion	*	*	-	9806	*	-	-	-
Potatoes	1564	1491	*	26158	419	26281	792	*
Garlic	*	*	*	1630	*	*	*	*
Taro 'Godere'	2175	2055	*	55792	1871	*	*	*
Sweet potatoes	*	*	*	24237	*	*	*	*
Other Temporary	1676	1333	*	99411	957	3581	*	*
Permanent crops	2468	2094		103157	1541			
Avocado	389	321		50203	315			
Bananas	1785	1510		70244	964			
Guava	2	*		1615	*			
Lemons	*	*		*	*			
Mangoes	*	*		10338	*			
Oranges	*	4		1968	4			
Papayas	*	*		5717	*			
Pineapples	*	*		*	*			
Stimulant	7693	4740		115187	3183			
Chat	1021	592		37635	564			
Coffee	6617	4099		96237	2569			
Hops / 'Geshe'	55	49		11683	49			
Enset	18219	17477		228504	17464			
Sugar cane	799	515		35457	448			
Other permanent	53	36		22055	35			

(Table 1.7.2 cont'd.)

Hadiya

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	11578	*	*	131617	49153	*	281830	147695	133254
Cereals	*	*	*	127055	46342	*	257266	97929	117664
Teff	*	*	*	71384	20279	*	147182	36757	18142
Barley	*	*	*	14746	1134	*	63591	4188	9919
Wheat	-	-	-	79873	21765	*	139036	31622	75776
Maize	*	*	*	17926	*	*	117514	17561	10904
Sorghum	*	*	*	*	*	-	85673	7332	2596
Finger millet	-	-	-	*	*	-	11687	446	308
Oats / 'Aja'	-	-	-	*	*	*	*	*	*
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	*	13592	1128	*	146211	11727	15375
Horse / Faba beans	-	-	-	4454	430	*	73890	5991	7690
Field Peas	-	-	-	4868	253	*	28349	2158	3036
Haricot beans	*	*	*	4619	*	*	74893	3425	*
Chick peas	-	-	-	-	-	-	*	*	*
Lentils	-	-	-	*	*	-	3501	*	*
Vetch / Grass peas	-	-	-	*	*	-	*	*	*
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	*	*	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	*	*	*	*	*	-	19664	833	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	*	*	*	-	-	-	7413	*	*
Groundnuts	-	-	-	-	-	-	*	*	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	*	*	-	12751	*	*
Vegetables	*	*	*	5835	213	-	223167	3789	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	-	-	-	-	-	-	16099	60	-
Ethiopian cabbage	*	*	*	*	*	-	210726	2263	-
Tomatoes	-	-	-	-	-	-	12027	116	-
Green peppers	-	-	-	*	*	-	24840	205	-
Red peppers	*	*	*	*	*	-	22915	1139	-
Swiss chard	-	-	-	-	-	-	2051	*	-
Root crops	*	*	*	5765	377	*	148534	4397	-
Beetroot	*	*	*	*	*	*	48529	78	-
Carrot	-	-	-	-	-	-	2520	*	-
Onion	-	-	-	-	-	-	9806	*	-
Potatoes	*	*	*	4919	*	*	58046	1564	-
Garlic	*	*	*	-	-	-	*	*	-
Taro 'Godere'	*	*	*	*	*	-	66060	2175	-
Sweet potatoes	-	-	-	-	-	-	30259	*	-
Other									
Temporary	*	*	*	*	*	-	128183	1576	-
Permanent crops							129814	2207	
Avocado							62888	376	
Bananas							92096	1552	
Guava							2015	2	
Lemons							*	*	
Mangoes							11574	*	
Oranges							2382	5	
Papayas							6673	*	
Pineapples							*	*	
Stimulant							138072	6374	
Chat							48418	970	
Coffee							118596	5352	
Hops / 'Geshe'							13415	52	
Enset							239927	18021	
Sugar cane							52811	791	
Other permanent							31564	50	

(Table 1.7.2 Cont'd.)

Hadiya

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	51,971	9,971	16,778	167,088	55,879	2,608	*	70,786	16,446
Cereals	49,133	9,514	16,292	162,950	55,127	-	-	67,102	14,319
Teff	5,987	1,281	*	94,103	23,050	-	-	14,591	3,381
Barley	*	*	*	24,057	2,164	-	-	3,232	264
Wheat	18,432	4,688	10,235	120,368	29,571	-	-	18,953	4,954
Maize	32,376	3,437	*	*	*	-	-	39,714	5,637
Sorghum	*	*	*	*	*	-	-	3,257	75
Finger millet	-	-	-	-	-	-	-	*	*
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	264	*	*	*	-	-	14,114	*
Horse / Faba beans	*	*	*	*	*	-	-	3,636	340
Field Peas	-	-	-	*	*	-	-	1,612	*
Haricot beans	*	*	*	*	*	-	-	*	*
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	*	*	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	*	*
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	*	*	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	*	*	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	*	*	-	*	*	1,769	*	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	*	*	-	*	*	*	*	*	*
Tomatoes	-	-	-	*	*	*	*	-	-
Green peppers	-	-	-	-	-	-	-	-	-
Red peppers	-	-	-	-	-	-	-	*	*
Swiss chard	*	*	-	-	-	-	-	-	-
Root crops	*	*	-	7,439	*	-	-	*	*
Beetroot	*	*	-	*	*	-	-	*	*
Carrot	-	-	-	-	-	-	-	-	-
Onion	*	*	-	*	*	-	-	-	-
Potatoes	-	-	-	*	*	-	-	*	*
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other									
Temporary	*	*	-	*	*	*	*	4,089	*
Permanent crops				*	*	-	-	2,034	*
Avocado				*	*	-	-	*	*
Bananas				*	*	-	-	1,639	*
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	-	-	-	-
Oranges				-	-	-	-	-	-
Papayas				-	-	-	-	-	-
Pineapples				-	-	-	-	-	-
Stimulant	*	*	-	*	*	-	-	3,360	160
Chat				*	*	-	-	*	*
Coffee	*	*	-	-	-	-	-	2,577	130
Hops / 'Gesho'				-	-	-	-	-	-
Enset				*	*	*	*	-	-
Sugar cane				-	-	-	-	*	*
Other permanent				*	*	-	-	*	*

Table1.7.3 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Kembata-Tembaro

Crop type	All	All Fertilizers		Natural		DAP		
	Crop Area	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	57339	50616	*	121980	17841	80750	14047	*
Cereals	30354	27618	*	30381	2103	63480	10329	*
Teff	11081	10839	3732	2323	198	29587	4416	3695
Barley	1084	1028	*	4464	*	12346	568	*
Wheat	12361	12045	*	3416	115	28974	4207	*
Maize	3058	2778	570	14973	982	7208	*	565
Sorghum	2690	879	*	11600	624	*	*	*
Finger millet	*	*	*	*	*	996	*	*
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
Pulses	4827	4145	*	32982	984	33053	2510	*
Horse / Faba beans	2934	2705	*	18284	421	23843	1758	*
Field Peas	661	589	704	3770	94	7455	447	704
Haricot beans	1224	844	353	16778	464	8227	305	352
Chick peas	*	*	-	*	*	-	-	-
Lentils	*	*	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	*	-	-	-	-	-	-	-
Fenugreek	*	*	-	*	*	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	154	45	*	1545	*	*	*	*
Neug	-	-	-	-	-	-	-	-
Linseed	*	*	*	-	-	*	*	*
Groundnuts	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Rapeseed	*	*	-	1545	*	-	-	-
Vegetables	1351	1291	186	86399	897	3364	74	108
Lettuce	*	*	-	-	-	-	-	-
Head cabbage	*	*	*	4488	*	*	*	*
Ethiopian cabbage	807	771	*	82051	744	1372	*	21
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	26	24	*	6752	23	-	-	-
Red peppers	*	*	*	*	*	*	*	*
Swiss chard	*	*	-	*	*	-	-	-
Root crops	5487	4392	*	69916	2281	23136	832	*
Beetroot	112	78	*	8208	34	*	*	*
Carrot	*	*	*	2877	15	*	*	*
Onion	*	*	*	1295	3	*	*	*
Potatoes	2240	2058	*	20319	233	19847	714	*
Garlic	9	7	*	*	*	*	*	*
Taro 'Godere'	2470	1727	*	48580	1575	1690	*	*
Sweet potatoes	561	430	*	28255	417	*	*	*
Other Temporary	1744	1655	2509	43200	453	2762	*	*
Permanent crops	1722	986		63336	894			
Avocado	318	231		37529	222			
Bananas	1293	687		46900	614			
Guava	*	*		*	*			
Lemons	*	*		967	*			
Mangoes	74	37		10389	29			
Oranges	20	*		5158	*			
Papayas	7	6		3153	5			
Pineapples	-	-		-	-			
Stimulant								
Stimulant	3089	2587		64665	2367			
Chat	387	361		8069	356			
Coffee	2679	2210		59903	1996			
Hops / 'Gesho'	22	16		8124	15			
Enset	8147	7670		116890	7665			
Sugar cane	426	204		19915	157			
Other permanent	39	22		11167	22			

(Table 1.7.3 cont'd.)

Kembata-Tembaro

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	12420	988	*	68373	17740	*	127854	51837	31051
Cereals	*	*	*	57785	15163	*	103544	25265	26144
Teff	-	-	-	28293	6225	*	53830	9982	3905
Barley	*	*	*	5732	294	*	22144	1063	1704
Wheat	*	*	*	39331	7709	*	57104	9237	19010
Maize	*	*	*	6917	811	-	22110	2227	801
Sorghum	-	-	-	1726	124	-	31170	2677	675
Finger millet	-	-	-	-	-	-	2944	*	*
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	*	10824	648	-	73302	4826	4845
Horse / Faba beans	-	-	-	7740	526	-	52818	2934	3494
Field Peas	-	-	-	*	*	-	15203	661	512
Haricot beans	*	*	*	2542	73	-	32752	1224	835
Chick peas	-	-	-	-	-	-	*	*	*
Lentils	-	-	-	*	*	-	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	*	*	*
Fenugreek	-	-	-	-	-	-	*	*	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	*	*	-	3660	154	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	*	*	-	1534	*	*
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	*	*	*
Vegetables	1348	*	*	6922	304	-	94698	1310	-
Lettuce	-	-	-	*	*	-	*	*	-
Head cabbage	-	-	-	*	*	-	8396	*	-
Ethiopian cabbage	*	*	*	*	*	-	87060	803	-
Tomatoes	-	-	-	*	*	-	*	*	-
Green peppers	*	*	*	*	*	-	9368	26	-
Red peppers	*	*	*	*	*	-	4763	*	-
Swiss chard	-	-	-	-	-	-	*	*	-
Root crops	4139	103	*	19322	1177	*	101934	5480	-
Beetroot	*	*	*	*	*	-	13661	112	-
Carrot	*	*	*	*	*	-	5799	*	-
Onion	-	-	-	-	-	-	2029	*	-
Potatoes	*	*	*	18354	1111	*	54547	2234	-
Garlic	-	-	-	*	*	-	3114	9	-
Taro 'Godere'	2831	82	*	*	*	-	56877	2470	-
Sweet potatoes	*	*	*	-	-	-	31573	561	-
Other									
Temporary	9198	*	*	4797	*	-	59781	1743	-
Permanent crops							73830	1706	
Avocado							47416	316	
Bananas							57185	1279	
Guava							*	*	
Lemons							1361	*	
Mangoes							17317	74	
Oranges							7178	20	
Papayas							3715	7	
Pineapples							-	-	
Stimulant							72761	3034	
Chat							8979	*	
Coffee							67405	2654	
Hops / 'Gesho'							11524	22	
Enset							121429	7858	
Sugar cane							28999	423	
Other permanent							18263	38	

(Table 1.7.3 Cont'd.)

Kembata-Tembaro

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	23,457	5,141	7,163	66,187	15,871	*	*	26,699	5,866
Cereals	22,138	5,090	7,163	57,888	14,157	*	*	24,597	5,621
Teff	3,185	*	296	28,207	5,268	-	-	7,625	1,722
Barley	*	*	*	3,531	360	-	-	*	*
Wheat	15,654	3,123	6,530	43,539	8,507	-	-	16,268	3,114
Maize	5,854	831	280	-	-	-	-	4,059	733
Sorghum	*	*	*	*	*	*	*	*	*
Finger millet	*	*	*	-	-	-	-	*	*
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	*	3,086	*	-	-	1,566	160
Horse / Faba beans	-	-	-	2,549	*	-	-	1,160	*
Field Peas	-	-	-	*	*	-	-	*	*
Haricot beans	*	*	*	*	*	-	-	*	*
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	975	*	-	*	*	*	*	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	*	*	-	-	*	*
Ethiopian cabbage	*	*	-	*	*	*	*	*	*
Tomatoes	*	*	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	-	-	-	-
Red peppers	*	*	-	*	*	*	*	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	-	21,894	1,290	-	-	*	*
Beetroot	-	-	-	*	*	-	-	-	-
Carrot	-	-	-	*	*	-	-	-	-
Onion	-	-	-	-	-	-	-	-	-
Potatoes	*	*	-	21,729	1,253	-	-	*	*
Garlic	-	-	-	*	*	-	-	-	-
Taro 'Godere'	-	-	-	*	*	-	-	*	*
Sweet potatoes	-	-	-	-	-	-	-	*	*
Other									
Temporary	*	*	-	747	*	-	-	*	*
Permanent crops				-	-	-	-	1,507	8
Avocado				-	-	-	-	*	*
Bananas				-	-	-	-	1,131	5
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	-	-	-	-
Oranges				-	-	-	-	-	-
Papayas				-	-	-	-	-	-
Pineapples				-	-	-	-	-	-
Stimulant	*	*	-	*	*	-	-	1,599	13
Chat				*	*	-	-	-	-
Coffee	*	*	-	*	*	-	-	1,599	13
Hops / 'Gescho'				-	-	-	-	-	-
Enset				*	*	*	*	-	-
Sugar cane				*	*	-	-	-	-
Other permanent				-	-	*	*	-	-

Table1.7.4 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Sidama

Crop type	All	All Fertilizers		Natural		DAP		
	Crop Area	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	246967	181240	68312	741131	114796	209393	44348	59348
Cereals	60729	49445	32857	176080	6380	168501	31712	32279
Teff	*	*	*	*	*	27957	*	*
Barley	12397	7211	7061	19219	*	39510	5729	6903
Wheat	*	*	*	*	*	*	*	*
Maize	38401	35299	19708	161689	3838	121379	*	19321
Sorghum	*	*	*	*	*	*	*	*
Finger millet	*	*	*	*	*	*	*	*
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
Pulses	23230	15673	9786	179483	5567	97997	6499	9632
Horse / Faba beans	3615	*	*	22260	*	8599	*	*
Field Peas	*	*	*	5307	*	*	*	*
Haricot beans	18150	13597	8128	154922	5048	84485	4942	7974
Chick peas	-	-	-	-	-	-	-	-
Lentils	*	*	-	*	*	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	*	*	*	-	-	*	*	*
Fenugreek	*	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	*	*	-	*	*	-	-	-
Neug	-	-	-	-	-	-	-	-
Linseed	*	-	-	-	-	-	-	-
Groundnuts	*	*	-	*	*	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Rapeseed	*	*	-	*	*	-	-	-
Vegetables	6480	5962	1605	386933	4821	32398	541	1528
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	16	13	-	*	*	-	-	-
Ethiopian cabbage	5440	5073	945	368966	4663	20855	263	945
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	375	309	*	37201	132	*	*	*
Red peppers	*	*	*	*	*	*	*	*
Swiss chard	*	*	-	*	*	-	-	-
Root crops	8042	3622	2811	121106	2450	30423	610	2027
Beetroot	*	*	-	*	*	-	-	-
Carrot	*	*	-	*	*	-	-	-
Onion	8	8	-	4063	*	-	-	-
Potatoes	*	*	*	9335	*	*	*	*
Garlic	*	*	-	*	*	-	-	-
Taro 'Godere'	*	45	-	14896	45	-	-	-
Sweet potatoes	7514	3236	1915	92777	2289	28477	604	1709
Other Temporary	2786	2045	525	183817	1673	7922	*	460
Permanent crops	5250	2477		224798	2188			
Avocado	1198	486		81438	486			
Bananas	3842	1956		181304	1666			
Guava	*	*		*	*			
Lemons	-	-		-	-			
Mangoes	*	*		*	*			
Oranges	34	*		*	*			
Papayas	*	*		3964	*			
Pineapples	*	*		*	*			
Stimulant	59001	31959		478273	24084			
Chat	19000	11594		162674	7221			
Coffee	39803	20280		430032	16829			
Hops / 'Gescho'	198	*		11704	*			
Enset	76305	68045		716721	66584			
Sugar cane	4940	1942		61510	981			
Other permanent	173	41		14292	41			

(Table 1.7.4 cont'd.)

Sidama

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	30747	2096	*	152230	20000	*	813003	196266	58735
Cereals	8945	*	*	132244	11053	*	401750	36375	38834
Teff	*	*	*	3861	*	-	52460	*	5469
Barley	*	*	*	*	*	*	88087	12086	21353
Wheat	-	-	-	*	*	-	7897	217	*
Maize	5923	*	*	129441	10765	*	317962	15568	11101
Sorghum	-	-	-	-	-	-	22685	*	*
Finger millet	-	-	-	-	-	-	*	*	*
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	*	75086	3548	*	369155	21785	19894
Horse / Faba beans	-	-	-	-	-	-	83743	3605	3486
Field Peas	-	-	-	-	-	-	20680	*	*
Haricot beans	*	*	*	75086	3548	*	280334	16722	15585
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	*	*	-
Fenugreek	-	-	-	-	-	-	*	*	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	*	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	*	*	*
Groundnuts	-	-	-	-	-	-	*	*	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	*	*	*
Vegetables	*	*	*	19724	*	-	448683	6459	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	*	*	-	3657	*	-
Ethiopian cabbage	-	-	-	11706	147	-	412968	5437	-
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	*	*	*	*	*	-	59904	375	-
Red peppers	*	*	*	*	*	-	*	*	-
Swiss chard	-	-	-	-	-	-	*	*	-
Root crops	4129	*	*	22221	*	-	265363	8013	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	*	*	-	*	*	-
Onion	-	-	-	*	*	-	*	*	-
Potatoes	*	*	*	*	*	-	24148	*	-
Garlic	-	-	-	-	-	-	3908	*	-
Taro 'Godere'	-	-	-	-	-	-	25521	*	-
Sweet potatoes	*	*	*	19673	*	-	229946	7495	-
Other Temporary	*	*	*	*	*	-	252134	2737	-
Permanent crops							290204	4131	
Avocado							148639	1059	
Bananas							226802	2919	
Guava							12293	*	
Lemons							-	-	
Mangoes							*	*	
Oranges							*	*	
Papayas							5921	*	
Pineapples							*	*	
Stimulant							507123	43694	
Chat							277829	14476	
Coffee							443399	29115	
Hops / 'Geshe'							19349	104	
Enset							720072	68299	
Sugar cane							157100	4616	
Other permanent							33410	123	

(Table 1.7.4 Cont'd.)

Sidama

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	164,194	29,382	9,865	19,114	1,208	*	*	67,516	12,143
Cereals	140,238	24,273	9,457	*	*	*	*	63,632	8,484
Teff	*	*	355	-	-	-	-	*	*
Barley	*	*	*	-	-	-	-	*	-
Wheat	*	*	*	*	*	-	-	*	*
Maize	134,384	22,833	7,852	*	*	*	*	60,375	7,080
Sorghum	-	-	-	-	-	-	-	*	*
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	*	*	*	*	*	29,323	2,068
Horse / Faba beans	-	-	-	*	*	-	-	-	-
Field Peas	*	*	*	-	-	-	-	-	-
Haricot beans	*	*	*	-	-	*	*	29,323	2,068
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	*	14	-	-	-	*	*	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	-	-	-	-	*	*
Ethiopian cabbage	-	-	-	-	-	*	*	*	*
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	*	*	*	*
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	*	*	-	-	-	-	-	*	*
Root crops	5,868	*	-	*	*	*	*	5,746	*
Beetroot	*	*	-	-	-	-	-	*	*
Carrot	*	*	-	-	-	-	-	*	*
Onion	*	*	-	-	-	-	-	*	*
Potatoes	-	-	-	-	-	*	*	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	-	*	*	*	*	*	*
Other Temporary	-	-	-	*	*	-	-	*	*
Permanent crops				-	-	*	*	-	-
Avocado				-	-	*	*	-	-
Bananas				-	-	*	*	-	-
Guava				-	-	*	*	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	-	-	-	-
Oranges				-	-	-	-	-	-
Papayas				-	-	*	*	-	-
Pineapples				-	-	-	-	-	-
	23,481	*	-	11,121	*	*	*	24,655	883
Chat				*	*	*	*	*	*
Coffee	23,481	*	-	*	*	*	*	15,953	*
Hops / 'Gesho'				-	-	-	-	-	-
Enset				*	*	*	*	*	*
Sugar cane				*	*	*	*	*	*
Other permanent				-	-	-	-	-	-

Table1.7.5. Number of Holders, Inputs Applied Area and Quantity of Inputs used

Gedio

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	61254	18041	3997	109420	14412	7538	*	3674
Cereals	10835	4225	2926	28803	1537	6813	*	2644
Teff	*	*	*	*	*	*	*	*
Barley	4786	2601	*	11159	*	*	*	*
Wheat	*	*	*	*	*	*	*	*
Maize	4880	1258	1366	18025	313	3806	*	1325
Sorghum	*	*	-	*	*	-	-	-
Finger millet	-	-	-	-	-	-	-	-
Oats / 'Aja'	*	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
Pulses	2844	*	*	11442	*	*	*	*
Horse / Faba beans	2044	*	*	*	*	*	*	*
Field Peas	*	*	-	*	*	-	-	-
Haricot beans	473	*	*	3510	*	*	*	*
Chick peas	*	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	*	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	5	*	-	*	*	-	-	-
Neug	-	-	-	-	-	-	-	-
Linseed	4	*	-	*	*	-	-	-
Groundnuts	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Rapeseed	*	*	-	*	*	-	-	-
Vegetables	1272	799	-	61104	795	-	-	-
Lettuce	*	*	-	*	*	-	-	-
Head cabbage	*	*	-	*	*	-	-	-
Ethiopian cabbage	1237	787	-	58953	784	-	-	-
Tomatoes	*	-	-	*	-	-	-	-
Green peppers	30	9	-	4987	9	-	-	-
Red peppers	*	-	-	-	-	-	-	-
Swiss chard	*	*	-	*	*	-	-	-
Root crops	1159	487	*	28123	394	*	*	*
Beetroot	8	3	-	1981	3	-	-	-
Carrot	*	*	-	*	*	-	-	-
Onion	-	-	-	-	-	-	-	-
Potatoes	*	*	-	*	*	-	-	-
Garlic	*	*	-	*	*	-	-	-
Taro 'Godere'	586	240	-	22662	235	-	-	-
Sweet potatoes	534	*	*	*	*	*	*	*
Other Temporary	365	128	-	26021	128	-	-	-
Permanent crops	2365	475	-	25725	456	-	-	-
Avocado	997	156	-	19515	156	-	-	-
Bananas	1239	*	-	11467	*	-	-	-
Guava	*	-	-	-	-	-	-	-
Lemons	*	*	-	*	*	-	-	-
Mangoes	*	*	-	*	*	-	-	-
Oranges	*	-	-	-	-	-	-	-
Papayas	*	-	-	-	-	-	-	-
Pineapples	*	-	-	-	-	-	-	-
Stimulant	24274	4505	-	64358	4470	-	-	-
Chat	*	*	-	*	*	-	-	-
Coffee	23327	3831	-	64094	3796	-	-	-
Hops / 'Geshe'	*	*	-	*	*	-	-	-
Enset	17388	6008	-	94097	5985	-	-	-
Sugar cane	403	39	-	6637	39	-	-	-
Other permanent	*	*	-	*	*	-	-	-

(Table 1.7.5 cont'd.)

Gedio

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	1090	*	*	6952	1088	*	192950	54069	15656
Cereals	1090	*	*	6012	939	*	81977	9756	12540
Teff	-	-	-	-	-	-	*	*	*
Barley	*	*	*	*	*	*	38216	4633	7917
Wheat	-	-	-	-	-	-	7375	*	*
Maize	*	*	*	5380	721	-	55810	3954	2517
Sorghum	-	-	-	-	-	-	*	*	*
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	*	*	*
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	*	-	-	42326	2446	3111
Horse / Faba beans	-	-	-	-	-	-	25689	1646	2411
Field Peas	-	-	-	-	-	-	3279	*	*
Haricot beans	-	-	-	*	-	-	18961	473	427
Chick peas	-	-	-	-	-	-	*	*	*
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	*	*	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	1418	5	5
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	1133	4	*
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	*	*	*
Vegetables	-	-	-	*	*	-	104306	1270	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	*	*	-
Ethiopian cabbage	-	-	-	*	*	-	99931	1237	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	-	-	-	10674	30	-
Red peppers	-	-	-	-	-	-	*	*	-
Swiss chard	-	-	-	-	-	-	*	*	-
Root crops	-	-	-	*	*	-	59755	1110	-
Beetroot	-	-	-	-	-	-	2551	5	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	-	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	*	*	-
Garlic	-	-	-	-	-	-	2122	*	-
Taro 'Godere'	-	-	-	*	*	-	40536	586	-
Sweet potatoes	-	-	-	*	*	-	20948	*	-
Other									
Temporary	-	-	-	-	-	-	55875	365	-
Permanent crops							64903	1764	
Avocado							50613	631	
Bananas							36439	1010	
Guava							*	*	
Lemons							*	*	
Mangoes							*	*	
Oranges							1054	*	
Papayas							*	*	
Pineapples							*	*	
Stimulant							135612	20728	
Chat							*	*	
Coffee							135612	19787	
Hops / 'Gescho'							4691	*	
Enset							171861	16182	
Sugar cane							16327	369	
Other permanent							11624	74	

(Table 1.7.5 Cont'd.)

Gedio

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	20,523	2,226	951	*	*	*	*	6,470	*
Cereals	8,437	1,079	862	*	*	-	-	5,407	691
Teff	-	-	-	*	*	-	-	-	-
Barley	*	*	*	-	-	-	-	*	*
Wheat	-	-	-	-	-	-	-	-	-
Maize	7,970	926	667	*	*	-	-	5,093	538
Sorghum	-	-	-	-	-	-	-	-	-
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	*	-	-	-	-	*	*
Horse / Faba beans	*	*	*	-	-	-	-	*	*
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	*	*	*	-	-	-	-	*	-
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	*	*	-	-	-	-	-	*	*
Lettuce	*	*	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	*	*
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	-	-	-	-
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	-	-	-	-	-	*	*
Beetroot	*	*	-	-	-	-	-	-	-
Carrot	*	*	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	*	*	-	-	-	-	-	*	*
Sweet potatoes	*	*	-	-	-	-	-	-	-
Other									
Temporary	-	-	-	-	-	-	-	-	-
Permanent crops				-	-	*	*	*	*
Avocado				-	-	*	*	*	*
Bananas				-	-	-	-	*	*
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	-	-	-	-
Oranges				-	-	-	-	-	-
Papayas				-	-	-	-	-	-
Pineapples				-	-	-	-	-	-
Stimulant	*	630	-	-	-	*	*	1,844	*
Chat				-	-	-	-	-	-
Coffee	*	630	-	-	-	*	*	1,844	*
Hops / 'Geshe'				-	-	-	-	-	-
Enset				*	*	*	*	-	-
Sugar cane				-	-	-	-	-	-
Other permanent				-	-	-	-	-	-

Table1.7.6 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Wolayita

Crop type	All	All Fertilizers		Natural		DAP		
	Crop Area	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	124625	107179	97282	291419	43964	199627	44571	84442
Cereals	50177	47563	40924	119849	5984	153034	27584	40601
Teff	20199	19776	12240	4014	282	88200	14755	12203
Barley	*	*	*	2863	*	4432	*	*
Wheat	4034	3919	4088	3485	*	26950	2676	4088
Maize	24153	22852	*	105877	5099	78484	9843	*
Sorghum	1099	488	*	17695	382	3199	*	*
Finger millet	-	-	-	-	-	-	-	-
Oats / 'Aja'	*	*	*	-	-	*	*	*
Rice	-	-	-	-	-	-	-	-
Pulses	26570	21887	*	145767	5944	133101	15294	*
Horse / Faba beans	977	669	*	21896	514	4193	*	*
Field Peas	1021	630	*	18968	398	5703	140	*
Haricot beans	23321	19700	*	126524	4594	126495	14567	*
Chick peas	1236	878	*	6028	428	*	*	*
Lentils	-	-	-	-	-	-	-	-
Vetch / Grass peas	*	*	-	*	*	-	-	-
Soya beans	*	*	-	2698	*	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	*	*	*	*	*	*	*	*
Neug	-	-	-	-	-	-	-	-
Linseed	*	*	*	*	*	*	*	*
Groundnuts	*	-	-	-	-	-	-	-
Safflower	*	*	-	*	*	-	-	-
Sesame	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-
Vegetables	641	570	183	117819	539	*	*	*
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	5	5	-	3458	5	-	-	-
Ethiopian cabbage	447	433	*	99811	409	*	*	*
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	86	84	*	26815	80	*	*	*
Red peppers	98	49	*	15760	44	*	*	*
Swiss chard	-	-	-	-	-	-	-	-
Root crops	15557	11870	*	253339	10994	19971	532	*
Beetroot	*	*	*	*	*	*	*	*
Carrot	*	*	-	*	*	-	-	-
Onion	*	*	-	2228	*	-	-	-
Potatoes	733	589	*	18592	247	13557	316	*
Garlic	*	*	-	*	*	-	-	-
Taro 'Godere'	7346	5778	*	193009	5439	2470	97	*
Sweet potatoes	7401	5426	*	188644	5249	5714	106	*
Other Temporary	10541	7089	9944	185148	3518	11781	347	*
Permanent crops	4959	3494		210316	3070			
Avocado	1338	1122		134878	1041			
Bananas	2357	1662		146950	1398			
Guava	37	28		8746	26			
Lemons	24	9		5765	9			
Mangoes	1073	573		78996	499			
Oranges	48	37		15312	33			
Papayas	79	60		19009	60			
Pineapples	*	*		*	*			
Stimulant	7086	6342		237295	5704			
Chat	*	20		4106	20			
Coffee	6960	6297		236925	5661			
Hops / 'Gescho'	28	*		9454	*			
Enset	7643	7471		261897	7460			
Sugar cane	1214	736		66822	654			
Other permanent	181	143		31635	85			

(Table 1.7.6 cont'd.)

Wolayita

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	30085	*	*	68939	15381	-	302793	110966	40893
Cereals	3550	*	*	64946	13812	-	220708	37477	24597
Teff	*	*	*	22799	4659	-	108463	18684	11171
Barley	*	*	*	*	*	-	10999	*	*
Wheat	-	-	-	7931	*	-	34030	2986	5790
Maize	*	*	*	45802	7876	-	141132	14016	6225
Sorghum	*	*	*	*	*	-	29460	1099	275
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	*	*	*
Rice	-	-	-	-	-	-	-	-	-
Pulses	1483	*	*	8916	619	-	236986	26493	16279
Horse / Faba beans	-	-	-	*	*	-	32063	977	954
Field Peas	-	-	-	1830	*	-	34450	1021	900
Haricot beans	1483	*	*	7394	510	-	219749	23244	13951
Chick peas	-	-	-	-	-	-	12303	1236	451
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	*	*	-
Soya beans	-	-	-	-	-	-	3413	*	*
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	3636	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	*	*	*
Groundnuts	-	-	-	-	-	-	*	*	*
Safflower	-	-	-	-	-	-	*	*	*
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	*	*	*	*	*	-	123880	641	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	3104	4	-
Ethiopian cabbage	*	*	*	*	*	-	104095	447	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	*	*	*	-	-	-	27884	86	-
Red peppers	-	-	-	-	-	-	19016	98	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	*	4303	100	-	269708	15533	-
Beetroot	-	-	-	-	-	-	*	*	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	-	-	-	*	*	-	2642	*	-
Potatoes	-	-	-	*	*	-	38688	733	-
Garlic	-	-	-	-	-	-	*	*	-
Taro 'Godere'	*	*	*	*	*	-	210990	7337	-
Sweet potatoes	*	*	*	2174	*	-	210017	7387	-
Other Temporary	27146	*	*	5500	*	-	221890	10538	-
Permanent crops							231536	4842	
Avocado							159918	1311	
Bananas							174143	2280	
Guava							12705	37	
Lemons							12058	24	
Mangoes							119936	1066	
Oranges							21583	48	
Papayas							24510	73	
Pineapples							*	*	
Stimulant							243987	6774	
Chat							*	*	
Coffee							242503	6656	
Hops / 'Geshe'							11562	28	
Enset							254054	7241	
Sugar cane							75112	1192	
Other permanent							43632	180	

(Table 1.7.6 Cont'd.)

Wolayita

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	71,569	12,790	6,628	9,114	957	*	*	88,474	23,413
Cereals	68,322	12,682	6,610	3,623	886	*	*	82,980	18,149
Teff	*	*	*	*	*	-	-	31,250	6,606
Barley	-	-	-	*	*	-	-	*	*
Wheat	7,530	*	*	*	*	-	-	15,485	1,426
Maize	58,764	10,134	2,921	*	*	*	*	54,669	10,093
Sorghum	-	-	-	-	-	-	-	-	-
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	*	*	*	*	*	31,533	3,667
Horse / Faba beans	-	-	-	-	-	*	*	*	*
Field Peas	-	-	-	-	-	*	*	*	*
Haricot beans	*	*	*	*	*	*	*	29,829	3,452
Chick peas	-	-	-	-	-	-	-	*	*
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	*	*	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	*	*
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	*	*	-	*	*	*	*	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	-	-	-	-	*	*
Ethiopian cabbage	-	-	-	*	*	*	*	*	*
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	*	*	*	*
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	-	2,638	*	*	*	9,230	394
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	*	*
Onion	-	-	-	-	-	*	*	-	-
Potatoes	-	-	-	*	*	*	*	*	*
Garlic	-	-	-	-	-	-	-	*	*
Taro 'Godere'	*	*	-	*	*	*	*	5,127	*
Sweet potatoes	-	-	-	1,514	*	*	*	*	*
Other Temporary	-	-	-	*	*	*	*	9,630	*
Permanent crops				2,901	6	*	*	11,595	150
Avocado				*	*	*	*	*	*
Bananas				1,414	*	*	*	7,091	105
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	*	*
Mangoes				-	-	*	*	*	*
Oranges				*	*	-	-	-	-
Papayas				-	-	*	*	*	*
Pineapples				-	-	-	-	-	-
Stimulant	*	*	-	*	*	*	*	8,431	178
Chat				-	-	-	-	-	-
Coffee	*	*	-	*	*	*	*	8,431	178
Hops / 'Geshe'				-	-	-	-	*	*
Enset				*	*	*	*	*	*
Sugar cane				-	-	*	*	*	*
Other permanent				-	-	*	*	*	*

Table1.7.7. Number of Holders, Inputs Applied Area and Quantity of Inputs used

South Omo

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	64456	11982	2500	20785	3207	8640	1836	1890
Cereals	42974	8512	1773	3714	*	6543	982	1182
Teff	3291	*	*	*	*	-	-	-
Barley	4505	553	99	*	*	*	*	*
Wheat	*	*	*	-	-	*	*	*
Maize	17155	5556	1252	1701	*	5100	*	*
Sorghum	14781	*	-	*	*	-	-	-
Finger millet	*	*	-	*	*	-	-	-
Oats / 'Aja'	*	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
Pulses	6435	900	*	2994	*	*	*	*
Horse / Faba beans	2192	*	*	*	*	*	*	*
Field Peas	*	*	*	*	*	*	*	*
Haricot beans	2980	492	*	1637	*	*	*	*
Chick peas	-	-	-	-	-	-	-	-
Lentils	72	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	*	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	2089	*	*	-	-	*	*	*
Neug	-	-	-	-	-	-	-	-
Linseed	*	-	-	-	-	-	-	-
Groundnuts	*	-	-	-	-	-	-	-
Safflower	161	*	-	-	-	-	-	-
Sesame	1672	*	*	-	-	*	*	*
Rapeseed	*	-	-	-	-	-	-	-
Vegetables	417	*	-	*	*	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	*	-	-	-	-	-	-	-
Ethiopian cabbage	362	*	-	*	*	-	-	-
Tomatoes	*	-	-	-	-	-	-	-
Green peppers	12	*	-	*	*	-	-	-
Red peppers	*	-	-	-	-	-	-	-
Swiss chard	*	-	-	-	-	-	-	-
Root crops	1760	121	*	6140	109	*	*	*
Beetroot	*	*	-	*	*	-	-	-
Carrot	*	-	-	-	-	-	-	-
Onion	*	*	-	*	*	-	-	-
Potatoes	*	*	*	*	*	-	-	-
Garlic	*	*	-	*	*	-	-	-
Taro 'Godere'	1167	*	*	2645	*	*	*	*
Sweet potatoes	370	*	-	*	*	-	-	-
Other Temporary	1834	*	*	3468	*	*	*	*
Permanent crops	932	*		2684	*			
Avocado	50	*		*	*			
Bananas	599	*		2110	*			
Guava	*	*		-	-			
Lemons	*	-		-	-			
Mangoes	195	*		*	*			
Oranges	*	-		-	-			
Papayas	77	*		*	*			
Pineapples	*	-		-	-			
Stimulant	3099	*		3697	*			
Chat	*	-		-	-			
Coffee	2769	*		3555	*			
Hops / 'Geshe'	*	*		*	*			
Enset	4211	1242		14650	1238			
Sugar cane	280	*		*	*			
Other permanent	424	69		1739	*			

(Table 1.7.7 cont'd.)

South Omo									
Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	-	-	-	25199	6939	*	125286	56842	16240
Cereals	-	-	-	25199	6594	*	108154	36225	12724
Teff	-	-	-	*	*	*	17742	3291	1334
Barley	-	-	-	1471	*	*	23901	4503	3890
Wheat	-	-	-	6459	*	-	9133	1663	1381
Maize	-	-	-	16967	4580	*	70050	12274	3426
Sorghum	-	-	-	*	*	-	59771	14205	2617
Finger millet	-	-	-	-	-	-	2112	*	*
Oats / 'Aja'	-	-	-	-	-	-	*	*	*
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	3722	307	-	62719	6433	2939
Horse / Faba beans	-	-	-	-	-	-	20992	2190	1441
Field Peas	-	-	-	-	-	-	9680	*	*
Haricot beans	-	-	-	3722	307	-	41487	2980	827
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	1987	72	*
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	1048	*	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	*	*	-	17313	1981	577
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	2231	*	*
Groundnuts	-	-	-	-	-	-	*	*	*
Safflower	-	-	-	*	*	-	4968	161	26
Sesame	-	-	-	-	-	-	7785	*	301
Rapeseed	-	-	-	-	-	-	*	*	-
Vegetables	-	-	-	-	-	-	36247	411	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	*	*	-
Ethiopian cabbage	-	-	-	-	-	-	30440	362	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	-	-	-	1891	*	-
Red peppers	-	-	-	-	-	-	2809	*	-
Swiss chard	-	-	-	-	-	-	*	*	-
Root crops	-	-	-	*	*	*	50340	1672	-
Beetroot	-	-	-	-	-	-	727	*	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	-	-	-	-	-	-	7604	*	-
Potatoes	-	-	-	*	*	*	2020	*	-
Garlic	-	-	-	-	-	-	*	*	-
Taro 'Godere'	-	-	-	*	*	-	33218	1092	-
Sweet potatoes	-	-	-	-	-	-	13292	366	-
Other	-	-	-	-	-	-	-	-	-
Temporary	-	-	-	*	*	-	48235	1800	-
Permanent crops	-	-	-	-	-	-	38622	910	-
Avocado	-	-	-	-	-	-	6319	50	-
Bananas	-	-	-	-	-	-	27743	584	-
Guava	-	-	-	-	-	-	*	*	-
Lemons	-	-	-	-	-	-	*	*	-
Mangoes	-	-	-	-	-	-	13380	193	-
Oranges	-	-	-	-	-	-	1615	*	-
Papayas	-	-	-	-	-	-	9571	72	-
Pineapples	-	-	-	-	-	-	*	*	-
Stimulant	-	-	-	-	-	-	36567	3042	-
Chat	-	-	-	-	-	-	*	*	-
Coffee	-	-	-	-	-	-	36424	2719	-
Hops / 'Gesho'	-	-	-	-	-	-	*	*	-
Enset	-	-	-	-	-	-	52408	3704	-
Sugar cane	-	-	-	-	-	-	7673	279	-
Other permanent	-	-	-	-	-	-	22078	384	-

(Table 1.7.7 Cont'd.)

South Omo

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	27,551	6,183	3,364	*	*	8,701	*	32,085	8,693
Cereals	26,465	6,055	*	*	*	*	*	29,962	7,620
Teff	-	-	-	*	*	-	-	*	*
Barley	-	-	-	-	-	-	-	*	*
Wheat	*	*	*	*	*	-	-	6,939	*
Maize	21,808	4,790	1,213	-	-	5,657	*	20,437	5,448
Sorghum	*	-	*	-	-	*	*	*	*
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	-	-	*	*	4,806	473
Horse / Faba beans	-	-	-	-	-	-	-	*	*
Field Peas	-	-	-	-	-	-	-	*	*
Haricot beans	-	-	-	-	-	*	*	3,372	284
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	*	*	*	*	*	*	*	2,563	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	*	*
Sesame	*	*	*	*	*	*	*	2,417	*
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	*	*	-	*	*	*	*	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	*	*
Tomatoes	*	*	-	-	-	*	*	*	*
Green peppers	*	*	-	*	*	*	*	*	*
Red peppers	-	-	-	-	-	*	*	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	-	*	*	*	*	*	*
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	*	*	-	*	*	*	*	*	*
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	-	-	-	*	*	*	*
Other									
Temporary	-	-	-	-	-	*	*	*	*
Permanent crops				-	-	*	*	*	*
Avocado				-	-	-	-	-	-
Bananas				-	-	*	*	-	-
Guava				-	-	-	-	*	*
Lemons				-	-	-	-	-	-
Mangoes				-	-	*	*	*	*
Oranges				-	-	-	-	-	-
Papayas				-	-	*	*	-	-
Pineapples				-	-	-	-	-	-
Stimulant	-	-	-	-	-	-	-	-	-
Chat				-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-	-
Hops / 'Geshe'				-	-	-	-	-	-
Enset				-	-	-	-	-	-
Sugar cane				-	-	-	-	-	-
Other permanent				-	-	*	*	*	*

Table1.7.8 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Sheka

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	34707	2699	1359	10654	990	6615	1352	1136
Cereals	10128	1650	1213	1214	71	6439	1249	1046
Teff	619	*	*	*	*	*	*	*
Barley	*	*	*	-	-	*	*	*
Wheat	*	-	-	-	-	-	-	-
Maize	1573	615	421	920	*	2446	385	*
Sorghum	7400	861	597	*	*	4142	700	526
Finger millet	-	-	-	-	-	-	-	-
Oats / 'Aja'	*	-	-	-	-	-	-	-
Rice	*	-	-	-	-	-	-	-
Pulses	4144	*	*	*	*	*	*	*
Horse / Faba beans	*	*	*	*	*	*	*	*
Field Peas	2862	*	*	*	*	*	*	*
Haricot beans	107	2	*	696	*	*	*	*
Chick peas	*	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	*	-	-	-	-	-	-	-
Fenugreek	*	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	*	*	-	*	*	-	-	-
Neug	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-
Groundnuts	*	*	-	*	*	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Rapeseed	*	-	-	-	-	-	-	-
Vegetables	446	56	*	5951	45	*	*	*
Lettuce	*	-	-	-	-	-	-	-
Head cabbage	*	*	-	*	*	-	-	-
Ethiopian cabbage	179	39	-	5367	39	-	-	-
Tomatoes	*	-	-	-	-	-	-	-
Green peppers	109	*	*	1149	*	*	*	*
Red peppers	92	*	*	*	*	-	-	-
Swiss chard	*	-	-	-	-	-	-	-
Root crops	938	100	*	4602	71	*	*	*
Beetroot	*	*	-	*	*	-	-	-
Carrot	*	*	-	*	*	-	-	-
Onion	*	*	*	*	*	-	-	-
Potatoes	96	*	*	*	*	-	-	-
Garlic	30	*	*	*	*	-	-	-
Taro 'Godere'	723	65	*	3770	*	*	*	*
Sweet potatoes	14	*	*	*	*	-	-	-
Other Temporary	2005	*	*	2290	*	*	*	*
Permanent crops	485	21		3342	20			
Avocado	86	8		1446	7			
Bananas	162	*		*	*			
Guava	*	-		-	-			
Lemons	2	*		*	*			
Mangoes	140	*		*	*			
Oranges	37	*		*	*			
Papayas	55	*		*	*			
Pineapples	*	-		-	-			
Stimulant	12371	*		3371	*			
Chat	90	*		*	*			
Coffee	12246	*		3191	*			
Hops / 'Geshe'	35	*		*	*			
Enset	3975	488		7253	488			
Sugar cane	187	*		1102	*			
Other permanent	22	*		849	*			

(Table 1.7.8 cont'd.)

Sheka

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	1617	296	224	*	*	-	50064	32018	6332
Cereals	*	*	*	*	*	-	33188	9607	4252
Teff	-	-	-	-	-	-	5484	619	844
Barley	-	-	-	-	-	-	2589	270	257
Wheat	-	-	-	-	-	-	*	*	*
Maize	*	*	*	*	*	-	8378	1198	*
Sorghum	*	*	*	*	*	-	25906	7400	2440
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	*	*	*
Rice	-	-	-	-	-	-	*	*	*
Pulses	-	-	-	-	-	-	16327	4144	2079
Horse / Faba beans	-	-	-	-	-	-	6126	*	*
Field Peas	-	-	-	-	-	-	8681	2862	982
Haricot beans	-	-	-	-	-	-	7981	107	59
Chick peas	-	-	-	-	-	-	*	*	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	*	*	-
Fenugreek	-	-	-	-	-	-	*	*	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	*	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	*	*	*
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	*	*	*
Vegetables	*	*	*	-	-	-	31671	440	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	-	-	-	-	-	-	1057	*	-
Ethiopian cabbage	-	-	-	-	-	-	24125	179	-
Tomatoes	-	-	-	-	-	-	1073	*	-
Green peppers	-	-	-	-	-	-	11684	109	-
Red peppers	*	*	*	-	-	-	5671	92	-
Swiss chard	-	-	-	-	-	-	*	*	-
Root crops	*	*	*	-	-	-	34592	933	-
Beetroot	-	-	-	-	-	-	*	*	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	*	*	*	-	-	-	5745	*	-
Potatoes	*	*	*	-	-	-	1226	96	-
Garlic	*	*	*	-	-	-	8078	30	-
Taro 'Godere'	-	-	-	-	-	-	28357	723	-
Sweet potatoes	*	*	*	-	-	-	2490	14	-
Other									
Temporary	*	*	*	-	-	-	26199	2003	-
Permanent crops							26052	449	
Avocado							11229	65	
Bananas							12355	157	
Guava							1298	*	
Lemons							1029	2	
Mangoes							13822	132	
Oranges							6060	36	
Papayas							12450	54	
Pineapples							416	*	
Stimulant							34624	10773	
Chat							3945	90	
Coffee							34056	10649	
Hops / 'Gesho'							3851	34	
Enset							33939	3459	
Sugar cane							11913	182	
Other permanent							9528	21	

(Table 1.7.8 Cont'd.)

Sheka

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	4,183	741	*	6,134	1,717	-	-	6,552	1,222
Cereals	2,572	521	*	5,780	1,695	-	-	5,421	1,068
Teff	-	-	-	-	-	-	-	*	*
Barley	*	*	*	*	*	-	-	*	*
Wheat	-	-	-	-	-	-	-	-	-
Maize	*	*	*	*	*	-	-	2,016	*
Sorghum	-	-	-	5,552	1,598	-	-	3,327	497
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	-	-	-	-	*	*
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	*	*
Haricot beans	-	-	-	-	-	-	-	-	-
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	*	*	-	-	-	-	-	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	-	-	-	-	*	*
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	-	-	*	*
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	*	*	-	-	-	-	-	*	*
Root crops	*	*	-	*	*	-	-	*	*
Beetroot	*	*	-	-	-	-	-	*	*
Carrot	*	*	-	-	-	-	-	*	*
Onion	*	*	-	*	*	-	-	*	*
Potatoes	-	-	-	*	*	-	-	*	*
Garlic	-	-	-	-	-	-	-	*	*
Taro 'Godere'	-	-	-	*	*	-	-	*	*
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other									
Temporary	-	-	-	*	*	-	-	*	*
Permanent crops				-	-	-	-	-	-
Avocado				-	-	-	-	-	-
Bananas				-	-	-	-	-	-
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	-	-	-	-
Oranges				-	-	-	-	-	-
Papayas				-	-	-	-	-	-
Pineapples				-	-	-	-	-	-
Stimulant	*	*	-	*	*	-	-	*	*
Chat				*	*	-	-	-	-
Coffee	*	*	-	*	*	-	-	*	*
Hops / 'Gesho'				-	-	-	-	-	-
Enset				-	-	-	-	-	-
Sugar cane				-	-	-	-	*	*
Other permanent				-	-	-	-	*	*

Table1.7.9. Number of Holders, Inputs Applied Area and Quantity of Inputs used

Keffa

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	171300	26883	21277	76633	5802	56903	14364	21095
Cereals	93004	20795	20218	7292	550	55187	13617	20035
Teff	27705	6535	*	*	*	23040	4472	*
Barley	12009	1893	1142	*	*	7544	1101	1142
Wheat	9487	6249	4130	*	*	19783	3073	4053
Maize	27552	5760	4426	6748	468	16024	4746	4426
Sorghum	15105	*	*	*	*	*	*	*
Finger millet	1051	*	*	-	-	*	*	*
Oats / 'Aja'	*	*	*	-	-	*	*	*
Rice	-	-	-	-	-	-	-	-
Pulses	38176	806	495	3711	206	3662	572	495
Horse / Faba beans	16481	562	282	*	*	2314	394	282
Field Peas	15845	*	*	*	*	*	*	*
Haricot beans	5728	181	*	*	*	1747	*	*
Chick peas	*	-	-	-	-	-	-	-
Lentils	*	-	-	-	-	-	-	-
Vetch / Grass peas	*	-	-	-	-	-	-	-
Soya beans	*	-	-	-	-	-	-	-
Fenugreek	*	-	-	-	-	-	-	-
Gibto	*	-	-	-	-	-	-	-
Oilseeds	203	*	*	*	*	*	*	*
Neug	*	-	-	-	-	-	-	-
Linseed	*	*	-	*	*	-	-	-
Groundnuts	*	*	-	*	*	-	-	-
Safflower	*	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Rapeseed	*	*	*	*	*	*	*	*
Vegetables	1382	373	*	45246	324	*	*	*
Lettuce	*	*	-	*	*	-	-	-
Head cabbage	65	*	-	*	*	-	-	-
Ethiopian cabbage	824	229	*	41248	225	*	*	*
Tomatoes	*	-	-	-	-	-	-	-
Green peppers	128	*	-	10624	*	-	-	-
Red peppers	359	*	-	3815	*	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
Root crops	3735	409	*	19915	295	*	*	*
Beetroot	27	*	-	*	*	-	-	-
Carrot	*	-	-	-	-	-	-	-
Onion	85	*	-	*	*	-	-	-
Potatoes	*	-	-	-	-	-	-	-
Garlic	*	*	*	*	*	*	*	*
Taro 'Godere'	2988	402	*	16535	289	*	*	*
Sweet potatoes	159	*	-	*	*	-	-	-
Other Temporary	1825	59	*	6430	57	*	*	*
Permanent crops	1440	92		12484	76			
Avocado	150	10		2335	10			
Bananas	1157	74		8697	60			
Guava	*	-		-	-			
Lemons	*	-		-	-			
Mangoes	22	*		*	*			
Oranges	*	*		*	*			
Papayas	52	*		*	*			
Pineapples	*	-		-	-			
Stimulant	10125	369		19458	343			
Chat	187	22		2229	22			
Coffee	9862	345		18420	319			
Hops / 'Geshe'	76	*		*	*			
Enset	20670	3855		52240	3842			
Sugar cane	643	*		8016	*			
Other permanent	*	*		*	*			

(Table 1.7.9 cont'd.)

Keffa

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	*	*	*	29642	6460	-	198641	157686	92548
Cereals	*	*	*	29093	6370	-	171616	81772	61913
Teff	*	*	*	10846	1965	-	122273	25283	20592
Barley	-	-	-	*	*	-	74983	11962	14212
Wheat	*	*	*	12553	3074	-	30515	5445	7855
Maize	-	-	-	*	*	-	66527	22831	13336
Sorghum	*	*	*	-	-	-	62514	15105	5505
Finger millet	*	*	*	-	-	-	8249	1051	288
Oats / 'Aja'	-	-	-	-	-	-	*	*	*
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	*	*	-	151581	38066	30539
Horse / Faba beans	-	-	-	*	*	-	93637	16427	16110
Field Peas	-	-	-	-	-	-	75984	15845	9618
Haricot beans	-	-	-	-	-	-	67299	5685	4722
Chick peas	-	-	-	-	-	-	*	*	-
Lentils	-	-	-	-	-	-	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	*	*	*
Soya beans	-	-	-	-	-	-	*	*	*
Fenugreek	-	-	-	-	-	-	*	*	*
Gibto	-	-	-	-	-	-	*	*	*
Oilseeds	-	-	-	-	-	-	9382	203	*
Neug	-	-	-	-	-	-	*	*	*
Linseed	-	-	-	-	-	-	2845	*	*
Groundnuts	-	-	-	-	-	-	*	*	*
Safflower	-	-	-	-	-	-	*	*	*
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	5805	*	*
Vegetables	-	-	-	*	*	-	135197	1381	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	-	-	-	-	-	-	7221	64	-
Ethiopian cabbage	-	-	-	-	-	-	120735	824	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	-	-	-	29692	128	-
Red peppers	-	-	-	*	*	-	15462	359	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	-	-	-	-	-	-	137344	3689	-
Beetroot	-	-	-	-	-	-	8486	27	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	-	-	-	-	-	-	18553	85	-
Potatoes	-	-	-	-	-	-	1846	*	-
Garlic	-	-	-	-	-	-	25302	*	-
Taro 'Godere'	-	-	-	-	-	-	113801	2943	-
Sweet potatoes	-	-	-	-	-	-	12871	159	-
Other	-	-	-	-	-	-	-	-	-
Temporary	-	-	-	-	-	-	70400	1824	-
Permanent crops	-	-	-	-	-	-	72856	1350	-
Avocado	-	-	-	-	-	-	16364	142	-
Bananas	-	-	-	-	-	-	62485	1078	-
Guava	-	-	-	-	-	-	*	*	-
Lemons	-	-	-	-	-	-	1545	*	-
Mangoes	-	-	-	-	-	-	5487	22	-
Oranges	-	-	-	-	-	-	1838	*	-
Papayas	-	-	-	-	-	-	11254	50	-
Pineapples	-	-	-	-	-	-	*	*	-
Stimulant	-	-	-	-	-	-	117131	9696	-
Chat	-	-	-	-	-	-	19191	185	-
Coffee	-	-	-	-	-	-	113762	9437	-
Hops / 'Gescho'	-	-	-	-	-	-	11156	74	-
Enset	-	-	-	-	-	-	178929	18982	-
Sugar cane	-	-	-	-	-	-	51626	633	-
Other permanent	-	-	-	-	-	-	23811	*	-

(Table 1.7.9 Cont'd.)

Keffa

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	44,615	11,120	8,844	72,687	27,228	1,788	*	65,812	15,766
Cereals	43,201	11,059	8,829	72,687	27,085	*	*	63,617	15,168
Teff	14,771	2,389	926	51,977	11,522	*	*	26,012	4,914
Barley	*	-	*	22,035	4,108	-	-	*	*
Wheat	18,796	4,012	6,392	24,593	6,299	-	-	23,951	4,553
Maize	15,926	4,658	1,409	*	*	-	-	16,659	4,658
Sorghum	-	-	-	19,548	4,644	-	-	*	*
Finger millet	-	-	-	*	*	-	-	-	-
Oats / 'Aja'	-	-	-	*	*	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	*	*	*	-	-	2,384	367
Horse / Faba beans	-	-	-	*	*	-	-	1,683	*
Field Peas	-	-	-	*	*	-	-	-	-
Haricot beans	*	*	*	*	*	-	-	*	*
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	*	*	-	-	-	*	*	-	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	-	-	*	*	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	-	-	-	-
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	-	-	-	*	*	*	*
Beetroot	*	*	-	-	-	*	*	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	*	*	-	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	*	*	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other									
Temporary	-	-	-	-	-	-	-	*	-
Permanent crops				-	-	-	-	*	*
Avocado				-	-	-	-	-	-
Bananas				-	-	-	-	*	*
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	-	-	-	-
Oranges				-	-	-	-	-	-
Papayas				-	-	-	-	*	*
Pineapples				-	-	-	-	-	-
Stimulant	*	*	-	-	-	*	*	*	*
Chat				-	-	-	-	-	-
Coffee	*	*	-	-	-	*	*	*	*
Hops / 'Gescho'				-	-	-	-	*	*
Enset				-	-	-	-	-	-
Sugar cane				-	-	-	-	*	*
Other permanent				-	-	-	-	-	-

Table1.7.10 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Gamo Gofa

Crop type	All	All Fertilizers		Natural		DAP		
	Crop Area	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	193582	88385	20795	279385	42402	123589	24091	20367
Cereals	122021	58400	16845	131600	15863	107849	21371	16491
Teff	48130	24791	6465	10712	2494	42973	10896	6266
Barley	15417	10150	1781	63702	4932	33405	2226	1723
Wheat	8269	*	*	33006	*	18601	*	*
Maize	37662	13100	4723	58237	3744	34457	4467	4626
Sorghum	12319	*	*	16764	1972	*	*	*
Finger millet	*	-	-	-	-	-	-	-
Oats / 'Aja'	*	*	-	*	*	-	-	-
Rice	*	*	*	-	-	*	*	*
Pulses	18625	5030	2353	87036	2774	33146	1743	2334
Horse / Faba beans	2987	820	*	30695	646	5630	*	*
Field Peas	*	*	*	14846	235	*	*	*
Haricot beans	12935	3526	1895	50053	1777	25704	1417	1877
Chick peas	*	*	-	*	*	-	-	-
Lentils	*	*	-	*	*	-	-	-
Vetch / Grass peas	*	*	-	*	*	-	-	-
Soya beans	*	-	-	-	-	-	-	-
Fenugreek	29	19	-	6024	19	-	-	-
Gibto	*	-	*	-	-	*	-	*
Oilseeds	927	150	*	6413	*	*	*	*
Neug	-	-	-	-	-	-	-	-
Linseed	*	*	*	*	*	*	*	*
Groundnuts	*	*	-	*	*	-	-	-
Safflower	*	-	-	-	-	-	-	-
Sesame	*	*	*	-	-	*	*	*
Rapeseed	*	*	-	*	*	-	-	-
Vegetables	776	610	*	99264	589	*	*	*
Lettuce	*	*	-	*	*	-	-	-
Head cabbage	*	*	-	*	*	-	-	-
Ethiopian cabbage	683	574	*	87476	554	*	*	*
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	*	*	-	*	*	-	-	-
Red peppers	32	*	-	*	*	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
Root crops	14915	7527	702	187315	6969	21303	432	658
Beetroot	*	*	*	*	*	*	*	*
Carrot	*	*	*	*	*	*	*	*
Onion	256	142	*	33419	102	*	*	*
Potatoes	*	*	402	42927	*	12659	233	377
Garlic	*	*	*	13882	*	2863	*	*
Taro 'Godere'	3704	1685	*	93640	1679	*	*	*
Sweet potatoes	8381	3316	185	105096	3193	4796	112	175
Other Temporary	11059	3882	*	155641	3660	4582	*	*
Permanent crops	6724	854		63143	635			
Avocado	92	26		6925	26			
Bananas	5524	688		41840	484			
Guava	*	-		-	-			
Lemons	32	*		2653	*			
Mangoes	871	93		20516	78			
Oranges	27	*		4937	*			
Papayas	160	29		13977	29			
Pineapples	*	*		*	*			
Stimulant	5388	2048		127289	2018			
Chat	*	*		*	*			
Coffee	4843	1989		125408	1972			
Hops / 'Geshe'	*	*		*	*			
Enset	11589	9498		231674	9458			
Sugar cane	965	259		23700	254			
Other permanent	594	127		29819	111			

(Table 1.7.10 cont'd.)

Gamo Gofa

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	7147	*	417	86931	21291	*	361686	184553	55028
Cereals	5856	*	354	84347	20597	-	323341	115308	46757
Teff	2896	*	*	41704	10968	-	151673	47723	16493
Barley	*	*	*	30206	2902	-	152060	15411	11580
Wheat	-	-	-	19256	*	-	66236	*	*
Maize	*	*	*	19902	*	-	153506	32540	10679
Sorghum	-	-	-	*	*	-	69601	12319	2019
Finger millet	-	-	-	-	-	-	*	*	*
Oats / 'Aja'	-	-	-	-	-	-	*	*	-
Rice	-	-	-	-	-	-	*	*	*
Pulses	*	*	*	12277	505	-	229748	18263	7953
Horse / Faba beans	-	-	-	*	*	-	67421	2987	1663
Field Peas	-	-	-	*	*	-	50274	*	1191
Haricot beans	*	*	*	*	323	-	161989	12590	4961
Chick peas	-	-	-	-	-	-	*	*	*
Lentils	-	-	-	-	-	-	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	*	*	*
Soya beans	-	-	-	-	-	-	*	*	-
Fenugreek	-	-	-	-	-	-	8168	29	21
Gibto	-	-	-	-	-	-	*	*	*
Oilseeds	*	*	*	*	*	-	24756	927	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	*	*	*	-	-	-	13220	*	32
Groundnuts	-	-	-	-	-	-	4964	*	*
Safflower	-	-	-	-	-	-	*	*	*
Sesame	-	-	-	*	*	-	5645	*	*
Rapeseed	-	-	-	-	-	-	*	*	-
Vegetables	*	*	-	*	*	-	127515	776	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	-	-	-	*	*	-	*	*	-
Ethiopian cabbage	*	*	-	*	*	-	108280	683	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	-	-	-	12816	*	-
Red peppers	-	-	-	-	-	-	10931	32	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	*	*	108	*	286439	14902	-
Beetroot	-	-	-	*	*	-	*	*	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	-	-	-	-	-	-	47465	256	-
Potatoes	*	*	*	*	*	*	70422	*	-
Garlic	-	-	-	-	-	-	21732	*	-
Taro 'Godere'	*	*	*	-	-	-	149451	3692	-
Sweet potatoes	*	*	*	*	*	-	194948	8380	-
Other									
Temporary	*	*	*	*	*	-	239062	10873	-
Permanent crops							156615	6468	
Avocado							24660	92	
Bananas							109119	5273	
Guava							*	*	
Lemons							14370	32	
Mangoes							81500	867	
Oranges							12542	27	
Papayas							44677	160	
Pineapples							*	*	
Stimulant							188228	4938	
Chat							17100	*	
Coffee							184664	4393	
Hops / 'Gesho'							9877	*	
Enset							262842	10637	
Sugar cane							48498	876	
Other permanent							90184	585	

(Table 1.7.10 Cont'd.)

Gamo Gofa

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	47,194	7,073	2,414	10,815	302	*	*	152,041	33,357
Cereals	42,311	6,708	2,340	3,740	*	9,582	*	142,228	30,693
Teff	*	*	*	*	*	*	*	62,634	14,637
Barley	-	-	-	*	*	*	*	45,650	3,686
Wheat	17,946	*	*	*	*	-	-	26,966	2,151
Maize	23,943	5,122	1,063	*	*	*	*	48,478	8,939
Sorghum	-	-	-	-	-	-	-	*	*
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	*	*
Pulses	6,221	357	74	*	*	*	*	35,324	1,769
Horse / Faba beans	-	-	-	-	-	-	-	4,149	*
Field Peas	*	*	*	*	*	-	-	*	*
Haricot beans	6,221	341	72	-	-	*	*	30,424	1,612
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	*	*	-	-	-	-
Gibto	-	-	-	-	-	-	-	*	-
Oilseeds	-	-	-	-	-	*	*	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	*	*	*	*
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	*	*
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	-	-	-	*	*	*	*	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	*	*
Ethiopian cabbage	-	-	-	*	*	-	-	*	*
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	*	*	-	-
Red peppers	-	-	-	*	*	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	-	*	*	*	*	22,552	430
Beetroot	-	-	-	-	-	-	-	*	*
Carrot	-	-	-	-	-	-	-	*	*
Onion	-	-	-	*	*	*	*	1,911	*
Potatoes	-	-	-	*	*	-	-	13,039	280
Garlic	-	-	-	*	*	-	-	*	*
Taro 'Godere'	*	*	-	*	*	*	*	*	*
Sweet potatoes	*	*	-	-	-	*	*	5,683	103
Other									
Temporary	-	-	-	*	*	*	*	5,124	*
Permanent crops				*	*	*	*	*	*
Avocado				-	-	*	*	-	-
Bananas				*	*	*	*	*	*
Guava				-	-	-	-	-	-
Lemons				-	-	*	*	-	-
Mangoes				-	-	*	*	-	-
Oranges				-	-	*	*	-	-
Papayas				-	-	*	*	-	-
Pineapples				-	-	-	-	-	-
Stimulant	-	-	-	*	*	*	*	*	*
Chat				-	-	-	-	-	-
Coffee	-	-	-	*	*	*	*	*	*
Hops / 'Gescho'				-	-	-	-	-	-
Enset				2,431	*	*	*		
Sugar cane				-	-	*	*	*	*
Other permanent				-	-	*	*	*	*

Table1.7.11 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Benchi - Maji

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	64953	9190	3401	33955	1711	13037	3457	2575
Cereals	34732	7430	2975	1942	*	11574	3370	2149
Teff	4169	1457	947	-	-	5533	1037	875
Barley	2935	*	*	-	-	*	*	*
Wheat	682	*	*	-	-	*	*	*
Maize	9208	2709	*	1214	*	2715	622	551
Sorghum	16071	*	*	*	*	*	*	*
Finger millet	*	-	-	-	-	-	-	-
Oats / 'Aja'	*	-	-	-	-	-	-	-
Rice	*	*	*	*	*	*	*	*
Pulses	6201	167	*	1934	*	*	*	*
Horse / Faba beans	2375	*	*	*	*	*	*	*
Field Peas	1760	*	*	*	*	*	*	*
Haricot beans	2058	*	*	1802	*	*	*	*
Chick peas	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	*	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	126	*	*	*	*	*	*	*
Neug	-	-	-	-	-	-	-	-
Linseed	*	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-
Safflower	*	-	-	-	-	-	-	-
Sesame	*	*	*	*	*	*	*	*
Rapeseed	*	-	-	-	-	-	-	-
Vegetables	1453	138	*	20653	135	*	*	*
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	39	-	*	-	-	*	-	*
Ethiopian cabbage	432	126	*	20486	125	*	*	*
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	56	6	*	2271	4	*	*	*
Red peppers	*	*	-	*	*	-	-	-
Swiss chard	*	-	-	-	-	-	-	-
Root crops	4397	330	*	17836	316	*	*	*
Beetroot	*	-	-	-	-	-	-	-
Carrot	*	-	-	-	-	-	-	-
Onion	*	*	*	*	*	*	*	*
Potatoes	23	*	-	*	*	-	-	-
Garlic	5	*	-	*	*	-	-	-
Taro 'Godere'	4128	316	-	16787	306	-	-	-
Sweet potatoes	*	*	-	*	*	-	-	-
Other Temporary	1102	28	-	6478	28	-	-	-
Permanent crops	1489	151		11883	120			
Avocado	149	*		2596	*			
Bananas	1008	120		8516	89			
Guava	*	-		-	-			
Lemons	*	-		-	-			
Mangoes	198	*		*	*			
Oranges	43	*		*	*			
Papayas	85	12		3927	12			
Pineapples	*	*		*	*			
Stimulant	12633	357		17278	342			
Chat	429	*		1055	*			
Coffee	12123	332		16589	321			
Hops / 'Geshe'	81	*		*	*			
Enset	2322	528		23118	528			
Sugar cane	473	17		2957	17			
Other permanent	24	*		*	*			

(Table 1.7.11 cont'd.)

Benchi - Maji

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	*	*	*	10599	3742	*	104096	57210	19094
Cereals	*	*	*	10599	3575	*	76957	31358	14195
Teff	-	-	-	*	*	*	22177	4139	2836
Barley	-	-	-	-	-	-	18976	2918	2893
Wheat	-	-	-	704	*	-	1314	243	233
Maize	*	*	*	7067	1915	*	35607	6345	2880
Sorghum	*	*	*	*	*	*	40551	16055	4000
Finger millet	-	-	-	-	-	-	*	*	*
Oats / 'Aja'	-	-	-	-	-	-	*	*	*
Rice	-	-	-	*	*	-	*	*	*
Pulses	-	-	-	1008	*	-	49575	6186	4888
Horse / Faba beans	-	-	-	-	-	-	18686	2375	2804
Field Peas	-	-	-	-	-	-	11138	1744	616
Haricot beans	-	-	-	1008	*	-	39968	2058	1466
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	*	*	*
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	1945	*	11
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	*	*	*
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	*	*	*
Sesame	-	-	-	-	-	-	*	*	*
Rapeseed	-	-	-	-	-	-	*	*	*
Vegetables	-	-	-	-	-	-	67526	1429	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	2219	*	-
Ethiopian cabbage	-	-	-	-	-	-	60129	432	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	-	-	-	10145	56	-
Red peppers	-	-	-	-	-	-	8165	*	-
Swiss chard	-	-	-	-	-	-	*	*	-
Root crops	-	-	-	*	*	-	82136	4381	-
Beetroot	-	-	-	-	-	-	*	*	-
Carrot	-	-	-	-	-	-	562	*	-
Onion	-	-	-	-	-	-	5356	*	-
Potatoes	-	-	-	-	-	-	2157	23	-
Garlic	-	-	-	-	-	-	1856	4	-
Taro 'Godere'	-	-	-	*	*	-	78976	4115	-
Sweet potatoes	-	-	-	-	-	-	7696	*	-
Other									
Temporary	-	-	-	-	-	-	58468	1077	-
Permanent crops							56277	1351	
Avocado							13954	148	
Bananas							46033	894	
Guava							*	*	
Lemons							*	*	
Mangoes							18634	183	
Oranges							7480	43	
Papayas							19271	77	
Pineapples							1140	*	
Stimulant							72604	8920	
Chat							17632	342	
Coffee							69138	8501	
Hops / 'Gesho'							13608	77	
Enset							68395	2053	
Sugar cane							24234	359	
Other permanent							8066	*	

(Table 1.7.11 Cont'd.)

Benchi - Maji

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	15,525	3,439	1,373	11,408	*	*	*	22,672	8,195
Cereals	12,568	3,331	1,324	10,793	*	-	-	20,334	7,879
Teff	*	*	*	*	*	-	-	4,764	1,027
Barley	-	-	-	*	*	-	-	*	*
Wheat	1,701	438	603	-	-	-	-	1,410	*
Maize	10,488	2,836	644	*	*	-	-	10,338	2,734
Sorghum	*	*	*	*	*	-	-	3,559	*
Finger millet	-	-	-	*	*	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	*	*	*	*	*	-	-	*	*
Pulses	*	*	*	-	-	-	-	1,796	157
Horse / Faba beans	-	-	-	-	-	-	-	*	*
Field Peas	*	*	*	-	-	-	-	*	*
Haricot beans	-	-	-	-	-	-	-	1,490	*
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	*	*	*	-	-	-	-	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	*	*	*	-	-	-	-	*	*
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	1,629	*	-	-	-	*	*	1,529	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	1,629	*	-	-	-	-	-	*	*
Ethiopian cabbage	-	-	-	-	-	*	*	*	*
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	-	-	*	*
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	-	*	*	*	*	848	*
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	*	*	-	-	-	*	-	*	*
Potatoes	-	-	-	-	-	-	-	*	*
Garlic	*	*	-	-	-	-	-	*	*
Taro 'Godere'	-	-	-	*	*	*	*	*	*
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other									
Temporary	-	-	-	-	-	-	-	*	*
Permanent crops				*	*	*	*	*	*
Avocado				-	-	*	*	-	-
Bananas				*	*	*	*	*	*
Guava				-	-	-	-	-	-
Lemons				*	*	-	-	-	-
Mangoes				*	*	-	-	-	-
Oranges				*	*	-	-	-	-
Papayas				-	-	*	*	-	-
Pineapples				-	-	-	-	-	-
Stimulant	*	*	-	*	*	*	*	*	*
Chat				-	-	*	*	*	*
Coffee	*	*	-	*	*	-	-	*	*
Hops / 'Geshe'				-	-	-	-	-	-
Enset				-	-	-	-	-	-
Sugar cane				-	-	-	-	-	-
Other permanent				-	-	-	-	-	-

Table1.7.12 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Yem Special Wereda

Crop type	All	All Fertilizers		Natural		DAP		
	Crop Area	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	24465	15361	8271	17354	2936	15150	9041	8248
Cereals	18207	12445	7885	9823	423	15040	8667	7862
Teff	8523	7442	5714	372	43	14043	6442	5712
Barley	1407	438	298	458	*	2550	318	298
Wheat	5154	2993	1667	*	*	5636	1691	1648
Maize	2323	1511	203	9078	236	1742	210	202
Sorghum	778	*	*	953	*	*	*	*
Finger millet	*	-	-	-	-	-	-	-
Oats / 'Aja'	22	*	-	*	*	-	-	-
Rice	-	-	-	-	-	-	-	-
Pulses	2828	742	274	5434	404	1776	331	274
Horse / Faba beans	1697	432	*	3774	312	*	*	*
Field Peas	1056	271	205	921	59	841	*	205
Haricot beans	12	5	*	1778	4	*	*	*
Chick peas	*	-	-	-	-	-	-	-
Lentils	55	31	*	897	25	217	*	*
Vetch / Grass peas	*	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	6	4	-	1069	4	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	179	26	*	1699	14	282	*	*
Neug	*	*	-	*	*	-	-	-
Linseed	97	*	*	-	-	*	*	*
Groundnuts	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	*	-	-	-	-	-	-	-
Rapeseed	46	25	*	1699	14	188	*	*
Vegetables	124	97	*	13530	91	223	*	*
Lettuce	*	*	-	*	*	-	-	-
Head cabbage	6	4	-	1346	4	-	-	-
Ethiopian cabbage	105	84	*	13119	83	*	*	*
Tomatoes	5	*	-	446	*	-	-	-
Green peppers	4	3	*	1944	2	*	*	*
Red peppers	*	*	*	*	*	*	*	*
Swiss chard	*	-	-	-	-	-	-	-
Root crops	390	245	*	10539	244	*	*	*
Beetroot	5	2	*	1292	2	*	*	*
Carrot	3	1	-	504	1	-	-	-
Onion	2	1	-	555	1	-	-	-
Potatoes	-	-	-	-	-	-	-	-
Garlic	3	2	-	1864	2	-	-	-
Taro 'Godere'	240	168	-	7912	167	-	-	-
Sweet potatoes	139	71	-	5047	71	-	-	-
Other Temporary	107	71	*	8566	70	*	*	*
Permanent crops	120	57		4081	38			
Avocado	32	14		2029	14			
Bananas	61	*		2346	*			
Guava	2	*		*	*			
Lemons	*	-		-	-			
Mangoes	*	*		195	*			
Oranges	*	*		*	*			
Papayas	*	*		*	*			
Pineapples	*	-		-	-			
Stimulant	590	168		7522	145			
Chat	204	47		3354	45			
Coffee	374	115		6115	96			
Hops / 'Gesho'	12	*		909	*			
Enset	1755	1471		16799	1469			
Sugar cane	151	33		3234	33			
Other permanent	14	6		1174	5			

(Table 1.7.12 cont'd.)

Yem Special Wereda

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	*	*	*	7605	3369	-	19841	22114	16358
Cereals	*	*	*	7501	3342	-	19462	16044	13026
Teff	*	*	*	2608	952	-	17024	8281	4167
Barley	-	-	-	666	97	-	12135	1334	2092
Wheat	*	*	*	3351	1228	-	13000	4367	5902
Maize	*	*	*	4238	1062	-	15317	1263	621
Sorghum	-	-	-	*	*	-	6490	778	221
Finger millet	-	-	-	-	-	-	*	*	-
Oats / 'Aja'	-	-	-	-	-	-	904	22	22
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	*	*	-	14538	2828	3296
Horse / Faba									
beans	-	-	-	*	*	-	12120	1697	2138
Field Peas	-	-	-	*	*	-	6524	1056	1062
Haricot beans	-	-	-	-	-	-	4373	12	*
Chick peas	-	-	-	-	-	-	*	*	*
Lentils	-	-	-	-	-	-	2207	55	44
Vetch / Grass peas	-	-	-	-	-	-	*	*	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	2444	6	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	*	*	-	4435	179	37
Neug	-	-	-	-	-	-	*	*	*
Linseed	-	-	-	-	-	-	1553	97	*
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	*	*	*
Rapeseed	-	-	-	*	*	-	3095	45	6
Vegetables	*	*	*	*	*	-	16364	123	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	-	-	-	-	-	-	2315	6	-
Ethiopian cabbage	*	*	*	*	*	-	15797	104	-
Tomatoes	-	-	-	-	-	-	946	5	-
Green peppers	-	-	-	-	-	-	2984	4	-
Red peppers	-	-	-	*	*	-	539	*	-
Swiss chard	-	-	-	-	-	-	*	*	-
Root crops	-	-	-	*	*	-	14245	390	-
Beetroot	-	-	-	-	-	-	2957	5	-
Carrot	-	-	-	-	-	-	1312	3	-
Onion	-	-	-	-	-	-	1021	2	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	2382	3	-
Taro 'Godere'	-	-	-	*	*	-	10245	239	-
Sweet potatoes	-	-	-	-	-	-	8233	139	-
Other									
Temporary	-	-	-	*	*	-	11015	107	-
Permanent crops							7817	108	
Avocado							3815	28	
Bananas							5445	57	
Guava							577	1	
Lemons							-	-	
Mangoes							344	*	
Oranges							662	*	
Papayas							*	*	
Pineapples							*	*	
Stimulant							13560	543	
Chat							8348	183	
Coffee							11886	349	
Hops / 'Gesho'							2889	11	
Enset							16236	1634	
Sugar cane							7425	145	
Other permanent							3129	13	

(Table 1.7.12 Cont'd.)

Yem Special Wereda

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	5,808	2,156	1,842	13,434	8,810	*	*	7,670	4,127
Cereals	5,665	2,154	1,842	13,394	8,785	-	-	7,582	4,096
Teff	640	236	61	11,722	5,477	-	-	3,702	1,809
Barley	305	73	104	2,085	286	-	-	838	126
Wheat	1,859	787	1,375	8,302	2,989	-	-	2,926	1,149
Maize	4,064	1,059	301	*	*	-	-	4,109	1,011
Sorghum	-	-	-	*	*	-	-	*	*
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	*	*	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	-	-	-	-	238	*
Horse / Faba beans	-	-	-	-	-	-	-	*	*
Field Peas	-	-	-	-	-	-	-	*	*
Haricot beans	-	-	-	-	-	-	-	*	*
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	*	*
Vegetables	-	-	-	*	*	*	*	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	*	*
Ethiopian cabbage	-	-	-	*	*	*	*	*	*
Tomatoes	-	-	-	-	-	*	*	-	-
Green peppers	-	-	-	-	-	-	-	-	-
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	-	*	*	*	*	*	*
Beetroot	-	-	-	-	-	*	*	*	*
Carrot	-	-	-	-	-	-	-	*	*
Onion	*	*	-	-	-	*	*	*	*
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	*	*
Taro 'Godere'	*	*	-	*	*	-	-	*	*
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other									
Temporary	-	-	-	*	*	-	-	*	*
Permanent crops				*	*	-	-	*	*
Avocado	-	-	-	-	-	-	-	*	*
Bananas	-	-	-	-	-	-	-	*	*
Guava	-	-	-	-	-	-	-	-	-
Lemons	-	-	-	-	-	-	-	-	-
Mangoes	-	-	-	-	-	-	-	-	-
Oranges	-	-	-	*	*	-	-	-	-
Papayas	-	-	-	-	-	-	-	-	-
Pineapples	-	-	-	-	-	-	-	-	-
Stimulant	*	*	-	-	-	-	-	299	10
Chat	-	-	-	-	-	-	-	*	*
Coffee	*	*	-	-	-	-	-	299	9
Hops / 'Gescho'	-	-	-	-	-	-	-	-	-
E Stimulant nset				*	*	-	-	-	-
Sugar cane	-	-	-	-	-	-	-	-	-
Other permanent	-	-	-	*	*	-	-	-	-

Table1.7.13 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Amaro Special Wereda

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	18022	11035	762	35346	7877	7052	1330	731
Cereals	6506	3062	536	9696	669	6432	995	512
Teff	3411	1526	262	*	*	3484	542	242
Barley	1140	452	*	2126	*	1560	*	*
Wheat	562	*	*	*	*	*	*	*
Maize	1309	618	135	7177	148	2879	*	133
Sorghum	78	*	*	*	*	*	*	*
Finger millet	-	-	-	-	-	-	-	-
Oats / 'Aja'	*	*	-	*	*	-	-	-
Rice	*	*	-	*	*	-	-	-
Pulses	2277	957	199	8617	230	3458	322	194
Horse / Faba beans	147	*	*	*	*	*	*	*
Field Peas	255	*	*	*	*	*	*	*
Haricot beans	1734	*	177	5492	86	3376	286	172
Chick peas	*	*	*	-	-	*	*	*
Lentils	*	*	*	*	*	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	*	*	-	*	*	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	*	*	-	*	*	-	-	-
Neug	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Rapeseed	*	*	-	*	*	-	-	-
Vegetables	295	259	*	15158	257	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	*	*	-	-	-
Ethiopian cabbage	290	257	*	15085	255	-	-	-
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	*	*	-	*	*	-	-	-
Red peppers	-	-	-	-	-	-	-	-
Swiss chard	*	*	-	*	*	-	-	-
Root crops	203	88	*	7852	74	*	*	*
Beetroot	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-
Onion	*	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-
Garlic	*	*	-	*	*	-	-	-
Taro 'Godere'	12	*	*	1541	*	*	*	*
Sweet potatoes	190	78	*	6540	68	*	*	*
Other Temporary	853	409	*	15178	405	*	*	*
Permanent crops	724	424		18793	420			
Avocado	145	86		9770	86			
Bananas	442	281		14870	278			
Guava	*	*		*	*			
Lemons	*	*		833	*			
Mangoes	66	23		4269	23			
Oranges	*	*		*	*			
Papayas	*	12		2626	12			
Pineapples	-	-		-	-			
Stimulant	2820	1920		23911	1912			
Chat	*	*		2373	*			
Coffee	2763	1884		23751	1877			
Hops / 'Geshe'	-	-		-	-			
Enset	4035	3761		33768	3752			
Sugar cane	266	143		8504	143			
Other permanent	41	12		*	12			

(Table 1.7.13 cont'd.)

Amaro Special Wereda

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	761	*	*	7339	1759	*	38886	16584	5274
Cereals	761	*	23	7264	1332	*	32848	6369	3488
Teff	386	*	*	4002	690	*	18639	3349	1682
Barley	*	*	*	1364	*	-	14224	1140	895
Wheat	-	-	-	*	*	-	3039	562	315
Maize	*	*	*	3571	*	*	19586	1233	571
Sorghum	-	-	-	-	-	-	967	78	25
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	*	*	-
Rice	-	-	-	-	-	-	*	*	*
Pulses	*	*	*	3417	*	-	26599	2272	1785
Horse / Faba beans	-	-	-	*	*	-	5397	147	107
Field Peas	-	-	-	*	*	-	5322	252	191
Haricot beans	*	*	*	*	*	-	19940	1732	1417
Chick peas	-	-	-	-	-	-	*	*	*
Lentils	-	-	-	-	-	-	1831	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	*	*	*
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	*	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	*	*	*
Vegetables	-	-	-	*	*	*	18286	295	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	*	*	-
Ethiopian cabbage	-	-	-	*	*	*	17957	290	-
Tomatoes	-	-	-	-	-	-	992	*	-
Green peppers	-	-	-	-	-	-	*	*	-
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	*	*	-
Root crops	-	-	-	*	*	*	10531	169	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	*	*	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	*	*	-
Taro 'Godere'	-	-	-	*	*	-	2314	11	-
Sweet potatoes	-	-	-	*	*	*	8936	157	-
Other									
Temporary	-	-	-	*	*	-	22603	828	-
Permanent crops							19719	520	
Avocado							11162	90	
Bananas							16794	343	
Guava							*	*	
Lemons							2283	*	
Mangoes							5320	29	
Oranges							*	*	
Papayas							4596	*	
Pineapples							-	-	
Stimulant							24898	2023	
Chat							2419	*	
Coffee							24807	1999	
Hops / 'Gesho'							-	-	
Enset							33738	3852	
Sugar cane							9787	229	
Other permanent							4413	*	

(Table 1.7.13 Cont'd.)

Amaro Special Wereda

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	*	*	*	*	*	21,027	6,724	3,127	456
Cereals	967	*	*	-	-	14,229	1,952	2,889	*
Teff	-	-	-	-	-	7,572	*	*	*
Barley	-	-	-	-	-	*	*	*	*
Wheat	-	-	-	-	-	-	-	-	-
Maize	967	*	*	-	-	12,464	562	2,293	*
Sorghum	-	-	-	-	-	*	*	-	-
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	-	-	11,252	*	1,459	*
Horse / Faba beans	-	-	-	-	-	*	*	*	*
Field Peas	-	-	-	-	-	*	*	-	-
Haricot beans	-	-	-	-	-	10,612	*	1,377	*
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	*	*	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	*	*	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	*	*	-	-
Vegetables	-	-	-	*	*	5,513	43	-	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	*	*	5,440	43	-	-
Tomatoes	-	-	-	-	-	*	*	-	-
Green peppers	-	-	-	-	-	*	*	-	-
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	*	*	-	-
Root crops	*	*	-	*	*	7,638	110	*	*
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	*	*	-	-
Taro 'Godere'	-	-	-	-	-	1,684	*	*	*
Sweet potatoes	*	*	-	*	*	6,677	104	*	*
Other									
Temporary	-	-	-	-	-	14,371	560	*	*
Permanent crops				-	-	18,288	494	*	*
Avocado				-	-	10,018	96	-	-
Bananas				-	-	15,863	314	*	*
Guava				-	-	*	*	-	-
Lemons				-	-	2,134	*	-	-
Mangoes				-	-	4,934	28	-	-
Oranges				-	-	*	*	-	-
Papayas				-	-	3,855	*	-	-
Pineapples				-	-	-	-	-	-
Stimulant	-	-	-	-	-	18,536	1,751	332	*
Chat				-	-	3,099	*	-	-
Coffee	-	-	-	-	-	18,446	1,697	332	*
Hops / 'Gescho'				-	-	-	-	-	-
Enset				*	*	18,894	1,149	-	-
Sugar cane				-	-	7,542	153	-	-
Other permanent				-	-	3,161	*	-	-

Table1.7.14 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Burji Special Wereda

Crop type	All	All Fertilizers		Natural		DAP		
	Crop Area	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	8513	4554	2141	6149	1145	5026	2998	2100
Cereals	4211	1935	1011	2662	265	3897	1278	974
Teff	1883	1141	522	427	*	2602	798	498
Barley	292	153	57	657	36	932	102	55
Wheat	472	218	120	453	*	1201	155	117
Maize	1256	314	265	1694	*	1119	188	258
Sorghum	306	109	*	425	*	*	*	*
Finger millet	*	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
Pulses	3299	1824	1112	1979	93	3711	1711	1108
Horse / Faba beans	*	*	*	*	*	*	*	*
Field Peas	20	*	*	*	*	*	*	*
Haricot beans	3129	1780	1093	1550	69	3613	1692	1092
Chick peas	80	*	*	*	*	*	*	*
Lentils	*	*	*	*	*	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	*	*	-	*	*	-	-	-
Fenugreek	46	*	*	*	*	*	*	*
Gibto	*	-	-	-	-	-	-	-
Oilseeds	8	*	*	118	*	*	*	*
Neug	-	-	-	-	-	-	-	-
Linseed	6	*	*	*	*	*	*	*
Groundnuts	-	-	-	-	-	-	-	-
Safflower	*	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Rapeseed	*	*	-	*	*	-	-	-
Vegetables	89	72	*	3944	71	*	*	*
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	*	*	-	-	-
Ethiopian cabbage	67	55	*	3625	55	*	*	*
Tomatoes	6	2	-	579	2	-	-	-
Green peppers	*	*	-	595	*	-	-	-
Red peppers	1	*	-	*	*	-	-	-
Swiss chard	*	-	-	-	-	-	-	-
Root crops	15	6	*	885	6	*	*	*
Beetroot	*	*	-	*	*	-	-	-
Carrot	*	*	-	*	*	-	-	-
Onion	*	-	-	-	-	-	-	-
Potatoes	2	1	*	188	1	*	*	*
Garlic	*	*	-	*	*	-	-	-
Taro 'Godere'	*	*	-	*	*	-	-	-
Sweet potatoes	10	4	*	432	4	*	*	*
Other Temporary	50	22	*	1637	22	*	*	*
Permanent crops	80	23		2103	23			
Avocado	*	*		639	*			
Bananas	43	10		1347	10			
Guava	2	*		241	*			
Lemons	1	*		*	*			
Mangoes	*	*		326	*			
Oranges	*	*		*	*			
Papayas	7	2		997	2			
Pineapples	*	*		*	*			
Stimulant	124	89		2326	86			
Chat	*	*		*	*			
Coffee	121	89		2326	86			
Hops / 'Geshe'	*	*		*	*			
Enset	580	546		3289	546			
Sugar cane	48	*		961	*			
Other permanent	9	*		440	1			

(Table 1.7.14 cont'd.)

Burji Special Wereda

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	200	77	*	783	335	-	10044	8131	4190
Cereals	177	73	*	783	318	-	9071	4143	2084
Teff	*	*	*	664	287	-	6453	1883	1002
Barley	*	*	*	*	*	-	3822	292	237
Wheat	*	*	*	*	*	-	3954	447	395
Maize	*	*	*	*	-	-	6178	1238	391
Sorghum	*	*	*	*	*	-	2110	281	58
Finger millet	-	-	-	-	-	-	*	*	*
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	*	*	*	-	8040	3297	2102
Horse / Faba beans	-	-	-	-	-	-	*	*	*
Field Peas	*	*	*	-	-	-	370	20	13
Haricot beans	*	*	*	*	*	-	7500	3127	2031
Chick peas	-	-	-	-	-	-	641	80	37
Lentils	-	-	-	-	-	-	304	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	*	*	*
Fenugreek	-	-	-	-	-	-	577	46	11
Gibto	-	-	-	-	-	-	*	*	*
Oilseeds	-	-	-	-	-	-	517	8	4
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	312	6	3
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	*	*	*
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	*	*	*
Vegetables	-	-	-	-	-	-	5846	86	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	*	*	-
Ethiopian cabbage	-	-	-	-	-	-	5098	65	-
Tomatoes	-	-	-	-	-	-	1184	6	-
Green peppers	-	-	-	-	-	-	944	*	-
Red peppers	-	-	-	-	-	-	*	1	-
Swiss chard	-	-	-	-	-	-	*	*	-
Root crops	-	-	-	-	-	-	2115	15	-
Beetroot	-	-	-	-	-	-	*	*	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	-	-	-	-	-	-	*	*	-
Potatoes	-	-	-	-	-	-	482	2	-
Garlic	-	-	-	-	-	-	*	*	-
Taro 'Godere'	-	-	-	-	-	-	*	*	-
Sweet potatoes	-	-	-	-	-	-	1177	10	-
Other									
Temporary	-	-	-	-	-	-	3485	48	-
Permanent crops							3968	*	
Avocado							1201	*	
Bananas							2901	*	
Guava							735	2	
Lemons							340	*	
Mangoes							896	*	
Oranges							429	*	
Papayas							1944	7	
Pineapples							*	*	
Stimulant							3541	97	
Chat							453	*	
Coffee							3445	94	
Hops / 'Gesho'							130	*	
Enset							3418	327	
Sugar cane							2117	28	
Other permanent							1131	8	

(Table 1.7.14 Cont'd.)

Burji Special Wereda

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	395	47	21	760	179	*	*	1,650	840
Cereals	210	42	19	616	150	*	*	1,371	643
Teff	-	-	-	534	142	*	*	1,245	540
Barley	-	-	-	*	*	*	*	*	*
Wheat	*	*	*	*	*	-	-	198	22
Maize	143	*	*	*	*	*	*	*	*
Sorghum	-	-	-	-	-	*	*	*	*
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	*	201	*	*	*	704	193
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	*	*	-	-	*	*
Haricot beans	*	*	*	153	*	*	*	685	191
Chick peas	-	-	-	-	-	-	-	*	*
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	*	*	-	-
Fenugreek	-	-	-	-	-	*	*	*	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	*	*
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	*	*	-	*	*	*	2	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	-	-	*	*	-	-
Ethiopian cabbage	*	*	-	*	*	*	*	-	-
Tomatoes	-	-	-	-	-	*	*	*	*
Green peppers	-	-	-	-	-	*	*	-	-
Red peppers	-	-	-	-	-	*	*	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	-	-	-	-	-	*	*	-	-
Beetroot	-	-	-	-	-	*	*	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	*	*	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	*	*	-	-
Sweet potatoes	-	-	-	-	-	*	*	-	-
Other Temporary	*	*	-	*	*	*	*	-	-
Permanent crops	-	-	-	-	-	*	*	*	*
Avocado	-	-	-	-	-	*	*	-	-
Bananas	-	-	-	-	-	*	*	*	*
Guava	-	-	-	-	-	*	*	*	*
Lemons	-	-	-	-	-	*	*	-	-
Mangoes	-	-	-	-	-	*	*	-	-
Oranges	-	-	-	-	-	*	*	-	-
Papayas	-	-	-	-	-	*	*	-	-
Pineapples	-	-	-	-	-	*	*	-	-
	*	*	-	*	*	*	*	*	*
Chat	-	-	-	-	-	*	*	-	-
Coffee	*	*	-	*	*	*	*	*	*
Hops / 'Gesho'	-	-	-	-	-	-	-	-	-
Enset	-	-	-	*	*	*	74	*	*
Sugar cane	-	-	-	-	-	*	*	*	*
Other permanent	-	-	-	-	-	*	*	*	*

Table1.7.15 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Konso Special Wereda

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	30938	10376	3161	24092	7472	8248	2786	3046
Cereals	25840	8249	2662	21237	5539	8248	2633	2605
Teff	6186	2314	1381	*	*	6469	1889	1381
Barley	*	*	*	-	-	*	*	*
Wheat	*	-	-	-	-	-	-	-
Maize	9582	1492	767	11435	1027	3681	429	745
Sorghum	9947	4439	507	19105	4085	2931	312	472
Finger millet	*	*	-	*	*	-	-	-
Oats / 'Aja'	*	*	-	*	*	-	-	-
Rice	-	-	-	-	-	-	-	-
Pulses	2356	495	343	7325	348	1603	127	323
Horse / Faba beans	-	-	-	-	-	-	-	-
Field Peas	*	-	-	-	-	-	-	-
Haricot beans	2336	495	343	7325	348	1603	127	323
Chick peas	-	-	-	-	-	-	-	-
Lentils	*	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	36	*	-	*	*	-	-	-
Neug	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-
Safflower	*	-	-	-	-	-	-	-
Sesame	*	*	-	*	*	-	-	-
Rapeseed	-	-	-	-	-	-	-	-
Vegetables	25	*	-	2163	*	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	*	-	-	-	-	-	-	-
Ethiopian cabbage	*	*	-	*	*	-	-	-
Tomatoes	5	*	-	1038	*	-	-	-
Green peppers	*	*	-	*	*	-	-	-
Red peppers	-	-	-	-	-	-	-	-
Swiss chard	*	-	-	-	-	-	-	-
Root crops	40	11	-	1606	11	-	-	-
Beetroot	*	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-
Onion	*	*	-	*	*	-	-	-
Potatoes	*	*	-	*	*	-	-	-
Garlic	*	*	-	*	*	-	-	-
Taro 'Godere'	*	-	-	-	-	-	-	-
Sweet potatoes	29	10	-	878	10	-	-	-
Other Temporary	1161	850	80	11878	836	*	*	*
Permanent crops	223	66	-	7006	64	-	-	-
Avocado	*	-	-	-	-	-	-	-
Bananas	108	36	-	4038	36	-	-	-
Guava	2	1	-	651	1	-	-	-
Lemons	*	*	-	*	*	-	-	-
Mangoes	*	*	-	1782	*	-	-	-
Oranges	*	-	-	-	-	-	-	-
Papayas	16	*	-	2895	*	-	-	-
Pineapples	-	-	-	-	-	-	-	-
Stimulant	590	*	-	9381	*	-	-	-
Chat	*	*	-	*	*	-	-	-
Coffee	402	301	-	7473	300	-	-	-
Hops / 'Geshe'	*	*	-	*	*	-	-	-
Enset	-	-	-	-	-	-	-	-
Sugar cane	*	*	-	*	*	-	-	-
Other permanent	626	178	-	8041	*	-	-	-

(Table 1.7.15 cont'd.)

Konso Special Wereda

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	*	*	*	*	-	-	51006	26443	7531
Cereals	*	*	*	*	-	-	41853	21598	6665
Teff	-	-	-	-	-	-	17460	6186	2642
Barley	-	-	-	-	-	-	1507	*	47
Wheat	-	-	-	-	-	-	*	*	*
Maize	*	*	*	-	-	-	37278	9576	3169
Sorghum	*	*	*	*	-	-	25354	5711	797
Finger millet	-	-	-	-	-	-	*	*	*
Oats / 'Aja'	-	-	-	-	-	-	*	*	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	*	-	-	-	26371	2356	852
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	*	*	*
Haricot beans	*	*	*	-	-	-	26371	2336	849
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	1835	36	14
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	1018	*	*
Sesame	-	-	-	-	-	-	817	*	*
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	-	-	-	-	-	-	*	23	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	*	*	-
Tomatoes	-	-	-	-	-	-	3469	5	-
Green peppers	-	-	-	-	-	-	*	*	-
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	*	*	-
Root crops	-	-	-	-	-	-	4949	37	-
Beetroot	-	-	-	-	-	-	*	*	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	*	*	-
Potatoes	-	-	-	-	-	-	*	*	-
Garlic	-	-	-	-	-	-	*	*	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	3272	29	-
Other									
Temporary	*	*	*	*	-	-	22889	1138	-
Permanent crops							12367	115	
Avocado							*	*	
Bananas							6262	72	
Guava							1295	2	
Lemons							872	*	
Mangoes							2897	29	
Oranges							-	-	
Papayas							5392	11	
Pineapples							-	-	
Stimulant							12945	540	
Chat							*	*	
Coffee							10976	354	
Hops / 'Gesho'							*	*	
Enset							-	-	
Sugar cane							1789	*	
Other permanent							19146	572	

(Table 1.7.15 Cont'd.)

Konso Special Wereda

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	*	*	-	*	*	7,113	*	8,270	2,444
Cereals	-	-	-	*	*	6,854	*	7,617	2,286
Teff	-	-	-	*	*	-	-	5,806	*
Barley	-	-	-	-	-	-	-	*	*
Wheat	-	-	-	-	-	-	-	-	-
Maize	-	-	-	-	-	6,854	*	3,433	390
Sorghum	-	-	-	*	*	-	-	2,530	312
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	-	-	*	*	1,472	118
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	*	*	1,472	118
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	*	*	-	-	-	*	*	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	-	-	-	-	*	*
Ethiopian cabbage	-	-	-	-	-	*	*	-	-
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	-	-	-	-
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	*	*	-	-	-	-	-	*	*
Root crops	*	*	-	-	-	-	-	*	*
Beetroot	*	*	-	-	-	-	-	*	*
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	*	*	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	*	*
Temporary	-	-	-	-	-	-	-	*	*
Permanent crops	-	-	-	-	-	*	*	-	-
Avocado	-	-	-	-	-	*	*	-	-
Bananas	-	-	-	-	-	*	*	-	-
Guava	-	-	-	-	-	-	-	-	-
Lemons	-	-	-	-	-	-	-	-	-
Mangoes	-	-	-	-	-	*	*	-	-
Oranges	-	-	-	-	-	-	-	-	-
Papayas	-	-	-	-	-	*	*	-	-
Pineapples	-	-	-	-	-	-	-	-	-
Stimulant	*	*	-	-	-	-	-	*	*
Chat	-	-	-	-	-	-	-	-	-
Coffee	*	*	-	-	-	-	-	*	*
Hops / 'Gescho'	-	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	*	*	-	-
Other permanent	-	-	-	*	*	*	*	*	22

Table1.7.16 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Derashe Special Wereda

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	23254	4024	*	10660	*	*	*	*
Cereals	19324	3129	*	3518	*	*	962	*
Teff	2065	872	*	*	*	*	*	*
Barley	708	*	*	*	*	*	*	*
Wheat	517	64	*	-	-	*	*	*
Maize	7799	*	*	2829	*	*	292	*
Sorghum	8228	*	*	*	*	*	*	*
Finger millet	*	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
Pulses	2448	453	*	*	*	*	*	*
Horse / Faba beans	83	*	-	*	*	-	-	-
Field Peas	165	*	*	-	-	*	*	*
Haricot beans	2151	413	*	*	*	*	*	*
Chick peas	*	-	-	-	-	-	-	-
Lentils	*	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	*	*	-	*	*	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	*	*	*	*	*	*	*	*
Neug	-	-	-	-	-	-	-	-
Linseed	*	*	*	*	*	*	*	*
Groundnuts	-	-	-	-	-	-	-	-
Safflower	*	-	-	-	-	-	-	-
Sesame	*	-	-	-	-	-	-	-
Rapeseed	*	*	-	*	*	-	-	-
Vegetables	129	*	*	3841	*	*	*	*
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-
Ethiopian cabbage	115	*	*	3424	*	*	*	*
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	*	*	-	415	*	-	-	-
Red peppers	*	*	-	*	*	-	-	-
Swiss chard	*	-	-	-	-	-	-	-
Root crops	107	15	*	2427	13	*	*	*
Beetroot	*	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-
Onion	*	2	*	442	1	*	*	*
Potatoes	*	*	-	*	*	-	-	-
Garlic	*	*	-	*	*	-	-	-
Taro 'Godere'	47	*	-	*	*	-	-	-
Sweet potatoes	29	*	-	494	*	-	-	-
Other Temporary	281	74	*	3677	73	*	*	*
Permanent crops	84	*		1957	*			
Avocado	*	-		-	-			
Bananas	76	*		774	*			
Guava	*	-		-	-			
Lemons	*	*		*	*			
Mangoes	*	*		*	*			
Oranges	*	*		*	*			
Papayas	4	*		1021	*			
Pineapples	-	-		-	-			
Stimulant	359	83		4893	73			
Chat	*	*		*	*			
Coffee	211	62		4520	60			
Hops / 'Geshe'	12	*		*	*			
Enset	351	190		4752	190			
Sugar cane	33	*		394	*			
Other permanent	104	*		1845	*			

(Table 1.7.16 cont'd.)

Derashe Special Wereda

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	*	*	*	1676	483	-	32184	20296	4371
Cereals	*	*	*	1676	434	-	30966	16642	3355
Teff	-	-	-	*	*	-	9863	2037	642
Barley	-	-	-	-	-	-	8490	708	472
Wheat	*	*	*	*	*	-	4543	517	456
Maize	*	*	*	828	129	-	22219	7667	1541
Sorghum	*	*	*	*	*	-	14045	5707	241
Finger millet	-	-	-	-	-	-	*	*	*
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	*	*	*	-	16512	2448	1011
Horse / Faba beans	-	-	-	-	-	-	2123	83	*
Field Peas	*	*	*	-	-	-	1842	165	*
Haricot beans	*	*	*	*	*	-	14649	2151	706
Chick peas	-	-	-	-	-	-	*	*	*
Lentils	-	-	-	-	-	-	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	*	*	*
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	1413	*	5
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	*	*	*
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	*	*	*
Sesame	-	-	-	-	-	-	*	*	*
Rapeseed	-	-	-	-	-	-	*	*	*
Vegetables	-	-	-	-	-	-	11547	129	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	9987	115	-
Tomatoes	-	-	-	-	-	-	599	*	-
Green peppers	-	-	-	-	-	-	1094	*	-
Red peppers	-	-	-	-	-	-	*	*	-
Swiss chard	-	-	-	-	-	-	*	*	-
Root crops	-	-	-	*	*	-	7122	91	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	1918	*	-
Potatoes	-	-	-	*	*	-	*	*	-
Garlic	-	-	-	-	-	-	*	*	-
Taro 'Godere'	-	-	-	-	-	-	4160	36	-
Sweet potatoes	-	-	-	-	-	-	2167	24	-
Other Temporary	-	-	-	-	-	-	11367	265	-
Permanent crops							5009	64	
Avocado							*	*	
Bananas							3354	56	
Guava							*	*	
Lemons							*	*	
Mangoes							*	*	
Oranges							*	*	
Papayas							1658	4	
Pineapples							-	-	
Stimulant							9004	188	
Chat							1780	18	
Coffee							7927	158	
Hops / 'Gesho'							1269	11	
Enset							9076	318	
Sugar cane							2598	20	
Other permanent							6056	98	

(Table 1.7.16 Cont'd.)

Derashe Special Wereda

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	*	*	*	*	*	*	*	3,718	1,508
Cereals	*	*	*	*	*	*	*	3,718	1,356
Teff	-	-	-	*	*	*	*	*	*
Barley	-	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	*	*
Maize	*	*	*	*	*	*	*	1,989	465
Sorghum	-	-	-	*	*	*	*	*	*
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	-	-	*	*	*	*
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	*	*	*	*
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	-	-	-	-	-	*	*	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	*	*	*	*
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	*	*	-	-
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	-	-	-	*	*	*	*
Beetroot	*	*	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	-	*	*
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	*	*	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other	-	-	-	*	*	-	-	*	*
Temporary	-	-	-	-	-	*	*	-	-
Permanent crops	-	-	-	-	-	-	-	-	-
Avocado	-	-	-	-	-	-	-	-	-
Bananas	-	-	-	-	-	*	*	-	-
Guava	-	-	-	-	-	-	-	-	-
Lemons	-	-	-	-	-	-	-	-	-
Mangoes	-	-	-	-	-	-	-	-	-
Oranges	-	-	-	-	-	-	-	-	-
Papayas	-	-	-	-	-	*	*	-	-
Pineapples	-	-	-	-	-	-	-	-	-
Stimulant	-	-	-	-	-	-	-	*	*
Chat	-	-	-	-	-	-	-	*	*
Coffee	-	-	-	-	-	-	-	*	*
Hops / 'Geshe'	-	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	-	-	-	-
Other permanent	-	-	-	-	-	*	*	-	-

Table1.7.17 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Dawro

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	57002	30187	9741	64586	12848	28629	11963	9186
Cereals	25431	13933	6090	15042	1347	22509	7838	5663
Teff	11597	7802	3261	2127	171	16278	4464	3098
Barley	1377	631	484	*	*	2739	361	403
Wheat	2213	1344	825	*	*	4545	658	666
Maize	7085	3862	1504	11798	845	4807	*	1485
Sorghum	3102	274	*	3738	267	*	*	*
Finger millet	-	-	-	-	-	-	-	-
Oats / 'Aja'	*	*	*	-	-	*	*	*
Rice	-	-	-	-	-	-	-	-
Pulses	15659	5933	3236	10645	1279	11100	4067	3137
Horse / Faba beans	6237	2540	1664	2156	*	5816	1889	1571
Field Peas	5713	1571	750	*	*	3318	1023	744
Haricot beans	3364	*	*	7694	613	2762	*	*
Chick peas	*	*	-	*	*	-	-	-
Lentils	332	153	105	*	*	1431	123	105
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	*	*	-	*	*	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Gibto	*	-	-	-	-	-	-	-
Oilseeds	*	25	*	782	*	*	*	*
Neug	-	-	-	-	-	-	-	-
Linseed	71	23	*	662	*	*	*	*
Groundnuts	*	*	-	*	*	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	*	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-
Vegetables	410	314	*	37016	310	*	*	*
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	*	*	-	-	-
Ethiopian cabbage	358	277	*	34041	274	*	*	*
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	22	*	*	4789	*	*	*	*
Red peppers	*	*	-	2874	*	-	-	-
Swiss chard	*	*	-	*	*	-	-	-
Root crops	3850	2007	*	45497	1994	*	*	*
Beetroot	*	*	*	*	*	*	*	*
Carrot	*	-	-	-	-	-	-	-
Onion	*	*	-	*	*	-	-	-
Potatoes	6	*	*	*	*	*	*	*
Garlic	5	5	-	1654	5	-	-	-
Taro 'Godere'	3471	1831	*	43141	1827	*	*	*
Sweet potatoes	360	166	*	9114	158	*	*	*
Other Temporary	697	523	*	26719	515	-	-	-
Permanent crops	855	412		28897	398			
Avocado	194	110		13755	102			
Bananas	438	140		14751	133			
Guava	*	*		*	*			
Lemons	*	*		895	*			
Mangoes	63	29		4275	29			
Oranges	*	*		2612	*			
Papayas	71	56		8823	56			
Pineapples	*	*		*	*			
Stimulant	1445	687		28230	654			
Chat	13	*		738	*			
Coffee	1383	673		27766	641			
Hops / 'Geshe'	49	*		2311	*			
Enset	8031	6279		57017	6268			
Sugar cane	143	59		8255	59			
Other permanent	42	16		2270	15			

(Table 1.7.17 cont'd.)

Dawro

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	2795	*	*	10230	4614	*	72995	53495	23143
Cereals	1949	493	*	9123	4255	*	55278	23212	11287
Teff	*	*	*	5761	2896	-	38030	11299	4562
Barley	*	*	*	*	*	-	8302	1179	1428
Wheat	*	*	*	2121	568	*	9976	1637	1995
Maize	*	*	*	2067	*	*	23617	5988	2319
Sorghum	-	-	-	*	*	-	20536	3052	947
Finger millet	-	-	-	-	-	-	-	-	-
Oats / ‘Aja’	*	*	*	-	-	-	*	*	*
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	*	1334	*	-	47317	15336	11629
Horse / Faba									
beans	*	*	*	*	*	-	25820	5958	5457
Field Peas	*	*	*	*	*	-	19616	5673	4371
Haricot beans	-	-	-	*	*	-	22285	3360	1628
Chick peas	-	-	-	-	-	-	*	*	*
Lentils	-	-	-	*	*	-	4299	332	165
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	*	*	*
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	*	*	*
Oilseeds	*	*	*	-	-	-	5637	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	*	*	*	-	-	-	4225	71	29
Groundnuts	-	-	-	-	-	-	*	*	*
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	*	*	*
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	*	*	*	-	-	-	43998	408	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	*	*	-
Ethiopian cabbage	-	-	-	-	-	-	40654	358	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	*	*	*	-	-	-	5745	22	-
Red peppers	-	-	-	-	-	-	3364	*	-
Swiss chard	-	-	-	-	-	-	*	*	-
Root crops	*	*	*	-	-	-	62178	3831	-
Beetroot	-	-	-	-	-	-	573	*	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	-	-	-	-	-	-	*	*	-
Potatoes	-	-	-	-	-	-	877	6	-
Garlic	-	-	-	-	-	-	2024	5	-
Taro ‘Godere’	*	*	*	-	-	-	59812	3463	-
Sweet potatoes	-	-	-	-	-	-	13911	350	-
Other									
Temporary	*	*	*	*	*	-	34764	697	-
Permanent crops							38717	695	
Avocado							20305	153	
Bananas							27352	373	
Guava							680	*	
Lemons							1653	*	
Mangoes							5895	47	
Oranges							3421	*	
Papayas							8272	39	
Pineapples							*	*	
Stimulant							42560	1220	
Chat							2130	10	
Coffee							40877	1161	
Hops / ‘Gescho’							6298	49	
Enset							63145	7507	
Sugar cane							13675	114	
Other permanent							4984	38	

(Table 1.7.17 Contd.)

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Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	8,763	2,488	*	7,712	1,844	*	*	26,286	13,621
Cereals	7,590	2,156	*	6,414	1,601	*	*	22,468	10,271
Teff	*	*	74	4,414	*	*	*	15,661	5,657
Barley	*	*	*	*	*	-	-	2,364	*
Wheat	1,567	*	*	2,503	476	-	-	4,587	1,173
Maize	5,537	1,034	329	*	*	-	-	6,466	*
Sorghum	*	*	*	*	*	-	-	*	*
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	*	*	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	*	697	*	-	-	8,765	3,277
Horse / Faba beans	*	*	*	*	*	-	-	4,025	1,481
Field Peas	*	*	*	*	*	-	-	2,345	732
Haricot beans	*	*	*	*	*	-	-	3,161	*
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	*	*	-	-	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	*	*
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	*	*	-	*	*	-	-	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	*	*	-	-	*	*
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	-	-	*	*
Red peppers	-	-	-	-	-	-	-	*	*
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	-	*	*	*	*	*	*
Beetroot	*	*	-	-	-	-	-	*	*
Carrot	-	-	-	-	-	-	-	-	-
Onion	*	*	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	*	*
Garlic	-	-	-	*	*	-	-	-	-
Taro 'Godere'	*	*	-	*	*	*	*	*	*
Sweet potatoes	-	-	-	-	-	-	-	*	*
Other									
Temporary	-	-	-	*	*	-	-	*	*
Permanent crops				*	*	*	*	565	*
Avocado				-	-	-	-	*	*
Bananas				-	-	*	*	*	*
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	-	-
Mangoes				*	*	-	-	-	-
Oranges				-	-	-	-	-	-
Papayas				-	-	-	-	-	-
Pineapples				*	*	-	-	-	-
Stimulant	*	*	-	*	*	-	-	978	*
Chat				-	-	-	-	-	-
Coffee	*	*	-	*	*	-	-	978	*
Hops / 'Gesho'				-	-	-	-	-	-
Enset				*	*	-	-	-	-
Sugar cane				-	-	-	-	-	-
Other permanent				-	-	-	-	*	*

Table1.7.18 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Basketo Special Wereda

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	7001	2928	595	13479	1633	1613	187	*
Cereals	2875	1168	369	5191	177	1613	153	357
Teff	964	372	*	*	*	*	*	*
Barley	221	40	-	*	*	-	-	-
Wheat	*	*	-	-	-	-	-	-
Maize	1246	637	*	3910	69	1135	*	*
Sorghum	385	79	*	1554	56	*	-	*
Finger millet	*	*	-	*	*	-	-	-
Oats / 'Aja'	*	*	-	*	*	-	-	-
Rice	-	-	-	-	-	-	-	-
Pulses	543	145	*	3370	51	740	*	*
Horse / Faba beans	38	10	-	367	*	-	-	-
Field Peas	103	*	-	455	*	-	-	-
Haricot beans	391	125	*	2931	35	740	*	*
Chick peas	-	-	-	-	-	-	-	-
Lentils	*	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	*	*	-	*	*	-	-	-
Fenugreek	*	-	-	-	-	-	-	-
Gibto	*	-	-	-	-	-	-	-
Oilseeds	44	*	*	237	*	*	*	*
Neug	-	-	-	-	-	-	-	-
Linseed	*	-	-	-	-	-	-	-
Groundnuts	*	*	-	*	*	-	-	-
Safflower	*	*	*	*	*	*	*	*
Sesame	*	*	*	-	-	*	*	*
Rapeseed	-	-	-	-	-	-	-	-
Vegetables	28	8	-	1535	8	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	6	2	-	273	2	-	-	-
Ethiopian cabbage	20	5	-	963	5	-	-	-
Tomatoes	*	-	-	-	-	-	-	-
Green peppers	1	*	-	*	*	-	-	-
Red peppers	*	*	-	*	*	-	-	-
Swiss chard	*	-	-	-	-	-	-	-
Root crops	908	184	*	8107	181	*	*	*
Beetroot	*	*	-	*	*	-	-	-
Carrot	-	-	-	-	-	-	-	-
Onion	11	3	-	956	3	-	-	-
Potatoes	*	2	-	530	2	-	-	-
Garlic	*	*	-	*	*	-	-	-
Taro 'Godere'	339	89	*	6686	88	*	*	*
Sweet potatoes	536	89	*	3447	88	*	*	*
Other Temporary	640	*	*	8160	122	-	-	-
Permanent crops	257	101		6869	99			
Avocado	86	45		4049	45			
Bananas	131	44		3143	44			
Guava	*	*		*	*			
Lemons	*	*		*	*			
Mangoes	27	7		1129	6			
Oranges	1	*		*	*			
Papayas	8	4		591	4			
Pineapples	2	*		*	*			
Stimulant	748	388		10540	385			
Chat	*	*		*	*			
Coffee	737	383		10437	380			
Hops / 'Geshe'	9	*		387	*			
Enset	861	580		11188	577			
Sugar cane	70	29		3363	27			
Other permanent	27	*		1245	*			

(Table 1.7.18 cont'd.)

Basketo Special Wereda

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	*	*	*	6064	1094	-	19218	5896	1767
Cereals	*	*	*	6064	828	-	15368	2228	1401
Teff	-	-	-	1826	253	-	7528	932	837
Barley	-	-	-	*	*	-	1527	218	227
Wheat	-	-	-	*	*	-	*	*	*
Maize	*	*	*	4782	480	-	10999	650	238
Sorghum	-	-	-	*	*	-	5557	381	65
Finger millet	-	-	-	-	-	-	*	*	-
Oats / 'Aja'	-	-	-	-	-	-	*	*	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	*	2134	65	-	13205	521	236
Horse / Faba beans	-	-	-	*	*	-	1664	37	18
Field Peas	-	-	-	-	-	-	3131	102	52
Haricot beans	*	*	*	2015	60	-	12176	371	159
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	196	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	*	*	-
Fenugreek	-	-	-	-	-	-	*	*	*
Gibto	-	-	-	-	-	-	*	*	-
Oilseeds	-	-	-	-	-	-	1387	44	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	634	*	1
Groundnuts	-	-	-	-	-	-	*	*	*
Safflower	-	-	-	-	-	-	394	*	*
Sesame	-	-	-	-	-	-	*	*	*
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	-	-	-	*	*	-	4230	25	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	540	4	-
Ethiopian cabbage	-	-	-	*	*	-	3122	19	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	-	-	-	475	1	-
Red peppers	-	-	-	-	-	-	*	*	-
Swiss chard	-	-	-	-	-	-	*	*	-
Root crops	-	-	-	203	2	-	16970	888	-
Beetroot	-	-	-	-	-	-	424	*	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	*	*	-	1960	9	-
Potatoes	-	-	-	-	-	-	1228	*	-
Garlic	-	-	-	*	*	-	*	*	-
Taro 'Godere'	-	-	-	*	*	-	14221	322	-
Sweet potatoes	-	-	-	*	*	-	13111	536	-
Other Temporary	*	*	*	244	*	-	16270	622	-
Permanent crops							12806	203	
Avocado							7406	72	
Bananas							7793	93	
Guava							*	*	
Lemons							*	*	
Mangoes							4748	26	
Oranges							303	1	
Papayas							1933	8	
Pineapples							*	*	
Stimulant							14154	613	
Chat							*	*	
Coffee							14105	605	
Hops / 'Gesho'							869	7	
Enset							13498	668	
Sugar cane							6269	56	
Other permanent							2636	27	

(Table 1.7.18 Cont'd.)

Basketo Special Wereda

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	6,294	635	252	750	26	*	*	7,213	1,133
Cereals	5,795	616	250	*	*	*	-	7,105	1,000
Teff	*	*	*	*	*	-	-	2,016	282
Barley	-	-	-	-	-	-	-	*	*
Wheat	*	*	*	*	*	-	-	*	*
Maize	5,656	595	233	*	*	*	-	5,737	638
Sorghum	-	-	-	-	-	-	-	*	*
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	*	*	*	*	-	2,936	107
Horse / Faba beans	*	*	*	-	-	-	-	*	*
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	*	*	*	*	*	*	-	2,817	103
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	*	*
Sesame	-	-	-	-	-	-	-	*	*
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	*	*	-	-	-	-	-	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	*	*
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	-	-	-	-
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	-	*	*	-	-	463	4
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	*	*	-	-	-	-	-	*	*
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	*	*
Taro 'Godere'	*	*	-	*	*	-	-	258	1
Sweet potatoes	*	*	-	*	*	-	-	*	*
Other Temporary	-	-	-	*	*	*	*	545	7
Permanent crops				*	*	*	*	341	3
Avocado				*	*	-	-	-	-
Bananas				*	*	*	*	238	2
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	-	-
Mangoes				*	*	*	*	*	*
Oranges				-	-	-	-	-	-
Papayas				*	*	*	*	-	-
Pineapples				-	-	-	-	-	-
Stimulant	-	-	-	*	*	-	-	254	*
Chat				-	-	-	-	-	-
Coffee	-	-	-	*	*	-	-	254	*
Hops / 'Geshe'				-	-	-	-	*	*
Enset				*	*	-	-	-	-
Sugar cane				-	-	-	-	*	*
Other permanent				*	*	-	-	*	*

Table1.7.19 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Konta Special Wereda

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	17684	6139	1432	19241	1115	4974	1427	1355
Cereals	9015	4179	731	357	*	2788	695	670
Teff	4381	2214	205	*	*	1472	409	172
Barley	266	*	*	-	-	*	*	*
Wheat	382	320	*	*	*	*	*	*
Maize	2698	1546	105	*	*	533	100	*
Sorghum	1254	*	*	*	*	*	*	*
Finger millet	*	*	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
Pulses	3487	867	633	*	*	2701	719	619
Horse / Faba beans	2084	795	606	*	*	2358	681	592
Field Peas	714	*	*	-	-	*	*	*
Haricot beans	659	47	*	*	*	262	*	*
Chick peas	-	-	-	-	-	-	-	-
Lentils	*	*	*	-	-	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	*	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Gibto	*	*	-	-	-	-	-	-
Oilseeds	*	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-
Linseed	*	-	-	-	-	-	-	-
Groundnuts	*	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	*	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-
Vegetables	66	19	-	5562	19	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	*	-	-	-	-	-	-	-
Ethiopian cabbage	31	14	-	4898	14	-	-	-
Tomatoes	*	-	-	-	-	-	-	-
Green peppers	10	2	-	1062	2	-	-	-
Red peppers	*	*	-	257	*	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
Root crops	1972	120	*	5257	119	*	*	*
Beetroot	*	*	*	*	*	-	-	-
Carrot	*	-	-	-	-	-	-	-
Onion	*	*	*	-	-	*	*	*
Potatoes	*	*	-	*	*	-	-	-
Garlic	*	*	-	*	*	-	-	-
Taro 'Godere'	1794	114	-	5078	114	-	-	-
Sweet potatoes	*	2	-	564	2	-	-	-
Other Temporary	294	15	-	2760	15	-	-	-
Permanent crops	606	47		6012	46			
Avocado	112	12		2869	12			
Bananas	384	22		2413	21			
Guava	*	-		-	-			
Lemons	*	-		-	-			
Mangoes	*	2		562	2			
Oranges	19	*		*	*			
Papayas	37	10		2210	10			
Pineapples	*	*		*	*			
Stimulant	604	36		2774	21			
Chat	*	*		-	-			
Coffee	508	27		2774	20			
Hops / 'Geshe'	48	*		*	*			
Enset	1594	851		17431	850			
Sugar cane	29	4		1236	4			
Other permanent	5	*		371	*			

(Table 1.7.19 cont'd.)

Konta Special Wereda

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	*	*	*	9732	3486	*	29635	16066	6425
Cereals	521	*	*	9464	3377	*	22414	7540	3703
Teff	*	*	*	6170	1766	*	16434	4373	2125
Barley	-	-	-	*	*	-	2751	266	*
Wheat	-	-	-	1041	*	-	1404	*	*
Maize	279	*	*	4183	1404	*	6820	1478	530
Sorghum	-	-	-	*	*	-	7270	1254	578
Finger millet	-	-	-	*	*	-	*	*	*
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	*	544	*	-	17439	3483	2718
Horse / Faba beans	*	*	*	*	*	-	10782	2084	1848
Field Peas	-	-	-	-	-	-	5146	714	507
Haricot beans	*	*	*	337	*	-	9254	655	351
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	*	*	*
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	*	*	-	*	*	*
Oilseeds	-	-	-	-	-	-	425	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	305	*	*
Groundnuts	-	-	-	-	-	-	*	*	*
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	*	*	*
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	-	-	-	-	-	-	10977	66	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	*	*	-
Ethiopian cabbage	-	-	-	-	-	-	8325	31	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	-	-	-	4292	10	-
Red peppers	-	-	-	-	-	-	*	*	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	*	-	-	-	23022	1972	-
Beetroot	*	*	*	-	-	-	*	*	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	-	-	-	-	-	-	*	*	-
Potatoes	-	-	-	-	-	-	*	*	-
Garlic	-	-	-	-	-	-	967	*	-
Taro 'Godere'	-	-	-	-	-	-	22647	1794	-
Sweet potatoes	-	-	-	-	-	-	4254	*	-
Other Temporary	-	-	-	*	*	-	13173	294	-
Permanent crops							20071	585	
Avocado							11461	107	
Bananas							16022	368	
Guava							2135	*	
Lemons							1482	*	
Mangoes							5302	*	
Oranges							3793	19	
Papayas							7332	36	
Pineapples							*	*	
Stimulant							16719	562	
Chat							3009	*	
Coffee							16240	465	
Hops / 'Gesho'							3215	48	
Enset							26692	1521	
Sugar cane							5957	27	
Other permanent							2936	5	

(Table 1.7.19 Contd.)

Konta Special Wereda

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	5,459	1,502	727	5,768	1,561	*	*	11,448	4,225
Cereals	4,897	1,475	720	5,693	1,553	*	*	9,288	3,329
Teff	*	*	*	5,236	1,241	-	-	5,005	1,456
Barley	-	-	-	*	*	-	-	*	*
Wheat	*	248	*	*	*	-	-	1,639	*
Maize	3,591	1,220	345	*	*	*	*	4,407	1,461
Sorghum	-	-	-	473	*	-	-	*	*
Finger millet	-	-	-	-	-	-	-	*	*
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	*	-	-	*	*	3,139	855
Horse / Faba beans	-	-	-	-	-	-	-	2,663	802
Field Peas	-	-	-	-	-	-	-	*	*
Haricot beans	*	*	*	-	-	*	*	395	*
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	-	-	-	-	-	*	*	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	*	*	-	-
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	*	*	-	-
Red peppers	-	-	-	-	-	-	-	*	*
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	-	-	-	*	*	*	*
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	*	*	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	*	*	-	-
Taro 'Godere'	-	-	-	-	-	-	-	*	*
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other Temporary	-	-	-	-	-	*	*	*	*
Permanent crops	-	-	-	-	-	*	*	*	*
Avocado	-	-	-	-	-	*	*	-	-
Bananas	-	-	-	-	-	*	*	*	*
Guava	-	-	-	-	-	-	-	-	-
Lemons	-	-	-	-	-	-	-	-	-
Mangoes	-	-	-	-	-	-	-	*	*
Oranges	-	-	-	-	-	*	*	-	-
Papayas	-	-	-	-	-	*	*	-	-
Pineapples	-	-	-	-	-	*	*	-	-
Stimulant	*	*	-	*	*	*	*	1,153	*
Chat	-	-	-	-	-	-	-	-	-
Coffee	*	*	-	*	*	*	*	1,153	*
Hops / 'Geshe'	-	-	-	-	-	-	-	*	*
Enset	-	-	-	*	*	*	*	-	-
Sugar cane	-	-	-	-	-	-	-	-	-
Other permanent	-	-	-	-	-	*	*	-	-

Table1.7.20 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Silitie

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	120277	108691	32769	152992	16415	104109	27543	29250
Cereals	91939	83445	27586	62536	4141	91951	24368	25193
Teff	11069	10439	2049	*	*	11637	2264	1660
Barley	7432	6875	3338	12874	487	30720	2644	3128
Wheat	21300	20974	8618	*	*	30474	6017	8159
Maize	41506	39807	10104	53204	2674	55254	11211	9356
Sorghum	10219	4942	3311	11703	*	26932	2020	2725
Finger millet	*	*	*	*	*	3653	*	*
Oats / 'Aja'	*	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
Pulses	6976	6179	2366	49369	1848	42812	2245	2126
Horse / Faba beans	3457	3166	846	36590	1279	28612	1046	808
Field Peas	1711	1584	696	8173	276	11347	669	674
Haricot beans	1180	984	*	10679	254	8466	*	*
Chick peas	234	*	*	*	*	*	*	*
Lentils	*	*	*	*	*	*	*	*
Vetch / Grass peas	*	*	-	*	*	-	-	-
Soya beans	*	*	*	*	*	*	*	*
Fenugreek	*	*	*	*	*	*	*	*
Gibto	-	-	-	-	-	-	-	-
Oilseeds	*	*	*	3054	40	*	*	*
Neug	-	-	-	-	-	-	-	-
Linseed	*	*	*	*	*	*	*	*
Groundnuts	*	*	-	*	*	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	*	-	-	-	-	-	-	-
Rapeseed	*	*	-	1864	*	-	-	-
Vegetables	10742	10141	1965	127670	2357	13768	705	1233
Lettuce	*	*	-	*	*	-	-	-
Head cabbage	125	*	*	9510	*	-	-	-
Ethiopian cabbage	2406	2193	248	125175	2086	5475	61	229
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	*	*	*	*	*	*	*	*
Red peppers	8161	7815	1692	*	*	8274	630	984
Swiss chard	*	*	-	*	*	-	-	-
Root crops	411	358	*	20802	157	*	*	*
Beetroot	16	13	-	4537	9	-	-	-
Carrot	*	*	-	3724	*	-	-	-
Onion	116	79	*	4300	16	*	*	*
Potatoes	*	*	*	9624	117	*	*	*
Garlic	*	*	-	*	*	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	-	*	*	-	-	-
Other Temporary	396	334	342	16021	166	2460	40	304
Permanent crops	397	218		40186	205			
Avocado	53	36		10388	36			
Bananas	74	58		13032	51			
Guava	*	*		*	*			
Lemons	6	4		1747	4			
Mangoes	21	17		3463	16			
Oranges	*	11		4899	10			
Papayas	81	78		21820	75			
Pineapples	-	-		-	-			
Stimulant	3165	2292		72687	2044			
Chat	2615	1960		60307	1744			
Coffee	548	330		37346	299			
Hops / 'Gesho'	*	*		*	*			
Enset	5587	5425		77191	5383			
Sugar cane	*	24		6256	19			
Other permanent	85	57		16054	54			

(Table 1.7.20 cont'd.)

Silitie

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	19566	2563	2021	135036	62170	*	188056	91513	62122
Cereals	14869	2094	1467	123967	52842	*	179667	63803	56366
Teff	*	*	*	36559	7422	*	46707	10186	3865
Barley	*	*	*	33226	3637	*	74337	7344	11722
Wheat	*	*	*	65693	14790	*	79953	15949	32395
Maize	8192	705	452	81563	25218	*	115866	19700	6578
Sorghum	5638	523	505	22403	1580	*	84800	10211	1675
Finger millet	-	-	-	*	*	-	8347	*	*
Oats / 'Aja'	-	-	-	-	-	-	*	*	*
Rice	-	-	-	-	-	-	-	-	-
Pulses	2386	*	*	32620	1935	*	114143	6892	5686
Horse / Faba beans	*	*	*	18900	810	*	88514	3449	2847
Field Peas	*	*	*	7912	*	-	30472	1711	1942
Haricot beans	*	*	*	7324	308	-	27210	1103	613
Chick peas	-	-	-	*	*	-	4814	234	137
Lentils	*	*	*	-	-	-	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	*	*	*
Soya beans	-	-	-	*	*	-	*	*	*
Fenugreek	-	-	-	*	*	-	5651	*	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	2144	*	-	9054	*	70
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	*	*	-	6282	*	*
Groundnuts	-	-	-	-	-	-	*	*	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	*	*	*
Rapeseed	-	-	-	*	*	-	2174	*	*
Vegetables	4797	177	171	43730	6901	*	158152	10629	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	*	*	*	*	*	-	12596	*	-
Ethiopian cabbage	*	*	*	2356	*	-	136187	2400	-
Tomatoes	-	-	-	-	-	-	1224	*	-
Green peppers	*	*	*	*	*	-	4710	*	-
Red peppers	3594	170	147	41861	6845	*	57974	8070	-
Swiss chard	-	-	-	-	-	-	*	*	-
Root crops	-	-	-	6389	*	-	34929	405	-
Beetroot	-	-	-	*	*	-	7026	14	-
Carrot	-	-	-	-	-	-	7807	*	-
Onion	-	-	-	*	*	-	8116	113	-
Potatoes	-	-	-	*	*	-	15336	*	-
Garlic	-	-	-	-	-	-	*	*	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	*	*	-
Other Temporary	*	*	*	3881	*	-	29583	396	-
Permanent crops							48975	262	
Avocado							12827	52	
Bananas							16036	66	
Guava							*	*	
Lemons							2370	6	
Mangoes							4420	21	
Oranges							7330	16	
Papayas							21559	69	
Pineapples							-	-	
Stimulant							83027	2950	
Chat							74893	2543	
Coffee							43931	407	
Hops / 'Geshe'							-	-	
Enset							79838	5513	
Sugar cane							9696	*	
Other permanent							26965	83	

(Table 1.7.20 Cont'd.)

Siltie

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	90,718	28,324	19,234	102,044	31,940	4,024	482	94,595	34,495
Cereals	89,005	28,136	19,217	97,521	28,473	*	*	91,505	32,717
Teff	3,798	*	*	36,923	7,799	-	-	6,884	1,254
Barley	*	*	*	32,824	3,054	-	-	12,252	1,138
Wheat	21,976	5,350	14,024	72,966	17,342	-	-	31,052	6,559
Maize	83,003	21,806	4,897	*	*	*	*	74,478	22,341
Sorghum	*	*	-	*	*	*	*	17,914	1,268
Finger millet	-	-	-	*	*	-	-	*	*
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	1,587	*	17	3,000	88	*	*	16,605	733
Horse / Faba beans	*	*	*	*	57	*	*	8,965	263
Field Peas	-	-	-	-	-	-	-	3,721	*
Haricot beans	1,307	*	14	-	-	-	-	*	*
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	*	*	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	*	*	-	-	*	*
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	*	*	-	-	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	*	*
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	*	*	-	-	-	-
Vegetables	*	*	-	12,950	*	*	*	7,608	*
Lettuce	*	*	-	-	-	-	-	*	*
Head cabbage	*	*	-	*	*	-	-	*	*
Ethiopian cabbage	*	*	-	*	*	*	*	4,439	65
Tomatoes	*	*	-	-	-	-	-	*	*
Green peppers	-	-	-	-	-	-	-	-	-
Red peppers	*	*	-	12,109	*	*	*	*	*
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	-	*	*	*	*	2,487	14
Beetroot	*	*	-	*	*	-	-	1,496	*
Carrot	*	*	-	-	-	-	-	*	*
Onion	*	*	-	*	*	*	*	*	*
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other Temporary	*	*	-	-	-	*	*	3,656	77
Permanent crops				*	*	*	*	3,944	25
Avocado				-	-	*	*	*	*
Bananas				-	-	*	*	*	*
Guava				-	-	-	-	*	*
Lemons				-	-	-	-	-	-
Mangoes				-	-	-	-	-	-
Oranges				-	-	*	*	-	-
Papayas				*	*	*	*	*	*
Pineapples				-	-	-	-	-	-
Stimulant	*	*	-	14,031	544	*	*	*	*
Chat				14,031	536	1,217	*	*	*
Coffee	*	*	-	*	*	*	*	*	*
Hops / 'Gesho'				-	-	-	-	-	-
Enset				*	*	-	-	-	-
Sugar cane				-	-	-	-	-	-
Other permanent				-	-	*	*	*	*

Table1.7.21 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Alaba Special Wereda

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	47828	38322	28694	45318	7169	43699	24815	28621
Cereals	38530	30507	22319	36767	4873	41318	21440	22268
Teff	9237	8865	5127	775	*	23186	6748	5126
Barley	180	109	95	-	-	1176	*	90
Wheat	3623	3127	2457	*	*	9576	*	2431
Maize	21079	15709	10265	35881	4328	30404	10200	10249
Sorghum	3167	1770	3727	9920	418	15896	1245	3723
Finger millet	1245	926	648	*	*	12419	788	648
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
Pulses	2279	1260	1624	9959	202	10975	945	1619
Horse / Faba beans	*	*	*	*	*	*	*	*
Field Peas	*	*	*	*	*	*	*	*
Haricot beans	2191	1177	1552	9959	188	10114	877	1547
Chick peas	-	-	-	-	-	-	-	-
Lentils	*	*	*	*	*	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	*	*	*	*	*	*	*	*
Gibto	-	-	-	-	-	-	-	-
Oilseeds	95	77	77	*	*	1378	*	77
Neug	*	*	*	-	-	*	*	*
Linseed	26	19	*	*	*	603	*	*
Groundnuts	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	*	-	-	-	-	-	-	-
Rapeseed	37	28	*	*	*	*	*	*
Vegetables	4863	4685	3856	32547	643	17688	2078	3844
Lettuce	*	*	-	*	*	-	-	-
Head cabbage	39	32	-	5584	31	-	-	-
Ethiopian cabbage	589	550	325	29785	475	3418	75	324
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	4	*	-	1308	*	-	-	-
Red peppers	4228	4096	3531	3535	130	15577	2003	3520
Swiss chard	*	*	-	*	*	-	-	-
Root crops	*	*	*	5284	34	*	*	*
Beetroot	8	8	-	2835	8	-	-	-
Carrot	*	*	-	*	*	-	-	-
Onion	*	*	-	868	*	-	-	-
Potatoes	*	*	*	1206	11	*	*	*
Garlic	*	*	-	*	*	-	-	-
Taro 'Godere'	*	*	-	*	*	-	-	-
Sweet potatoes	*	*	-	*	*	-	-	-
Other Temporary	360	334	472	12571	236	3028	95	467
Permanent crops	55	49		10667	48			
Avocado	4	*		*	*			
Bananas	42	39		7173	38			
Guava	*	*		*	*			
Lemons	*	*		*	*			
Mangoes	-	-		-	-			
Oranges	*	*		*	*			
Papayas	6	5		4396	5			
Pineapples	-	-		-	-			
Stimulant	1369	1148		27130	1020			
Chat	1183	995		24010	894			
Coffee	184	152		10771	125			
Hops / 'Geshe'	*	*		*	*			
Enset	73	71		11164	71			
Sugar cane	20	20		2610	20			
Other permanent	*	*		1730	*			

(Table 1.7.21 cont'd.)

Alaba Special Wereda

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	796	*	26	16459	6302	*	58121	38079	18091
Cereals	*	*	*	11247	4186	*	56591	29219	16770
Teff	-	-	-	7383	2054	*	27935	7684	2457
Barley	*	*	*	*	*	-	2966	180	296
Wheat	-	-	-	*	757	*	13512	3508	6993
Maize	-	-	-	4636	1182	*	50822	13566	5324
Sorghum	*	*	*	*	103	-	35872	3056	1237
Finger millet	-	-	-	*	*	-	21739	1226	465
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	*	*	*	28399	2241	1308
Horse / Faba beans	-	-	-	-	-	-	*	*	*
Field Peas	-	-	-	-	-	-	*	*	*
Haricot beans	-	-	-	*	*	*	27784	2153	1255
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	*	*	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	*	*	-	4270	66	13
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	*	*	-	1740	26	7
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	*	*	*
Rapeseed	-	-	-	*	*	-	2387	37	6
Vegetables	*	*	*	10218	1935	-	44405	4649	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	-	-	-	*	*	-	6515	37	-
Ethiopian cabbage	*	*	*	-	-	-	33512	574	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	-	-	-	1578	4	-
Red peppers	*	*	*	10070	1934	-	28288	4032	-
Swiss chard	-	-	-	-	-	-	*	*	-
Root crops	-	-	-	*	*	-	6560	*	-
Beetroot	-	-	-	-	-	-	2973	8	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	-	-	-	-	-	-	868	*	-
Potatoes	-	-	-	*	*	-	2085	*	-
Garlic	-	-	-	-	-	-	*	*	-
Taro 'Godere'	-	-	-	-	-	-	*	*	-
Sweet potatoes	-	-	-	-	-	-	*	*	-
Other Temporary	*	*	*	*	*	-	16018	354	-
Permanent crops							12109	52	
Avocado							1516	4	
Bananas							7834	39	
Guava							*	*	
Lemons							*	*	
Mangoes							-	-	
Oranges							*	*	
Papayas							5176	6	
Pineapples							-	-	
Stimulant							30253	1238	
Chat							27121	1093	
Coffee							12058	144	
Hops / 'Gesho'							*	*	
Enset							10181	59	
Sugar cane							2610	20	
Other permanent							2218	*	

(Table 1.7.21 Cont'd.)

Alaba Special Wereda

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	25,274	9,500	3,208	25,565	7,704	-	-	19,679	9,918
Cereals	24,862	9,296	3,182	24,937	7,470	-	-	19,142	8,859
Teff	4,867	1,551	539	18,578	5,206	-	-	7,168	2,316
Barley	-	-	-	1,219	*	-	-	*	*
Wheat	*	*	*	8,498	2,101	-	-	*	*
Maize	23,199	7,501	2,349	-	-	-	-	16,769	5,366
Sorghum	*	*	*	-	-	-	-	7,020	481
Finger millet	*	*	*	*	*	-	-	2,421	129
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	539	*	*	*	*	-	-	4,200	275
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	539	*	*	*	*	-	-	4,200	275
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	*	*	*	-	-	-	-	699	*
Neug	*	*	*	-	-	-	-	*	*
Linseed	-	-	-	-	-	-	-	*	*
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	*	*
Vegetables	*	*	-	*	*	-	-	5,400	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	-	-	-	-	*	*
Ethiopian cabbage	*	*	-	-	-	-	-	2,377	29
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	-	-	-	-
Red peppers	*	*	-	*	*	-	-	*	*
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	-	*	*	-	-	*	*
Beetroot	-	-	-	-	-	-	-	*	*
Carrot	-	-	-	-	-	-	-	*	*
Onion	*	*	-	-	-	-	-	-	-
Potatoes	-	-	-	*	*	-	-	*	*
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other Temporary	-	-	-	-	-	-	-	1,736	65
Permanent crops				-	-	-	-	*	*
Avocado				-	-	-	-	-	-
Bananas				-	-	-	-	*	*
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	-	-	-	-
Oranges				-	-	-	-	-	-
Papayas				-	-	-	-	*	*
Pineapples				-	-	-	-	-	-
Stimulant	*	*	-	*	*	-	-	2,561	145
Chat				*	*	-	-	2,413	138
Coffee	*	*	-	*	*	-	-	*	*
Hops / 'Geshe'				-	-	-	-	-	-
Enset				-	-	-	-	-	-
Sugar cane				-	-	-	-	*	*
Other permanent				-	-	-	-	-	-

Table1.9 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Gambella Region

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	14802	18	-	1190	18	-	-	-
Cereals	7893	*	-	97	*	-	-	-
Teff	*	-	-	-	-	-	-	-
Barley	*	-	-	-	-	-	-	-
Wheat	*	-	-	-	-	-	-	-
Maize	4518	*	-	97	*	-	-	-
Sorghum	3325	-	-	-	-	-	-	-
Finger millet	-	-	-	-	-	-	-	-
Oats / 'Aja'	*	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
Pulses	*	*	-	*	*	-	-	-
Horse / Faba beans	*	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-
Haricot beans	11	*	-	*	*	-	-	-
Chick peas	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	*	-	-	-	-	-	-	-
Fenugreek	*	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	*	-	-	-	-	-	-	-
Neug	*	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-
Groundnuts	*	-	-	-	-	-	-	-
Safflower	*	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-
Vegetables	162	*	-	253	*	-	-	-
Lettuce	*	-	-	-	-	-	-	-
Head cabbage	4	-	-	-	-	-	-	-
Ethiopian cabbage	24	*	-	*	*	-	-	-
Tomatoes	*	-	-	-	-	-	-	-
Green peppers	17	*	-	*	*	-	-	-
Red peppers	*	*	-	*	*	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
Root crops	245	*	-	482	*	-	-	-
Beetroot	*	-	-	-	-	-	-	-
Carrot	*	-	-	-	-	-	-	-
Onion	*	-	-	-	-	-	-	-
Potatoes	*	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-
Taro 'Godere'	95	2	-	373	2	-	-	-
Sweet potatoes	144	*	-	*	*	-	-	-
Other Temporary	1369	*	-	*	*	-	-	-
Permanent crops	409	1	-	445	1	-	-	-
Avocado	53	*	-	122	*	-	-	-
Bananas	135	*	-	123	*	-	-	-
Guava	*	-	-	-	-	-	-	-
Lemons	3	-	-	-	-	-	-	-
Mangoes	134	*	-	*	*	-	-	-
Oranges	11	*	-	*	*	-	-	-
Papayas	63	*	-	*	*	-	-	-
Pineapples	4	-	-	-	-	-	-	-
Stimulant	4124	*	-	*	*	-	-	-
Chat	127	-	-	-	-	-	-	-
Coffee	3957	*	-	*	*	-	-	-
Hops / 'Gesho'	40	-	-	-	-	-	-	-
Enset	383	*	-	507	*	-	-	-
Sugar cane	132	*	-	182	*	-	-	-
Other permanent	3	*	-	*	*	-	-	-

(Table 1.9 cont'd.)

Gambella Region

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	-	-	-	-	-	-	48586	13835	3837
Cereals	-	-	-	-	-	-	34736	7773	3811
Teff	-	-	-	-	-	-	*	*	*
Barley	-	-	-	-	-	-	*	*	*
Wheat	-	-	-	-	-	-	*	*	*
Maize	-	-	-	-	-	-	24756	4493	2486
Sorghum	-	-	-	-	-	-	12617	3233	1300
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	*	*	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	-	-	-	2067	*	*
Horse / Faba beans	-	-	-	-	-	-	*	*	*
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	-	1925	9	*
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	*	*	-
Fenugreek	-	-	-	-	-	-	*	*	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	*	*	*
Neug	-	-	-	-	-	-	*	*	*
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	*	*	*
Safflower	-	-	-	-	-	-	*	*	*
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	-	-	-	-	-	-	8091	160	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	-	-	-	-	-	-	389	4	-
Ethiopian cabbage	-	-	-	-	-	-	3027	24	-
Tomatoes	-	-	-	-	-	-	1142	*	-
Green peppers	-	-	-	-	-	-	1570	17	-
Red peppers	-	-	-	-	-	-	3480	*	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	-	-	-	-	-	-	11409	243	-
Beetroot	-	-	-	-	-	-	138	*	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	-	-	-	-	-	-	*	*	-
Potatoes	-	-	-	-	-	-	*	*	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	6132	94	-
Sweet potatoes	-	-	-	-	-	-	6055	142	-
Other Temporary	-	-	-	-	-	-	17378	1347	-
Permanent crops							18047	366	
Avocado							5569	42	
Bananas							7792	127	
Guava							636	*	
Lemons							770	3	
Mangoes							8220	117	
Oranges							1716	9	
Papayas							8959	58	
Pineapples							829	3	
Stimulant							9332	3402	
Chat							2151	87	
Coffee							9133	3284	
Hops / 'Gesho'							1854	31	
Enset							7276	333	
Sugar cane							6579	127	
Other permanent							1092	3	

(Table 1.9 Cont'd.)

Gambella Region

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	589	*	-	5,237	1,214	350	*	259	*
Cereals	-	-	-	4,963	1,079	*	*	*	*
Teff	-	-	-	-	-	-	-	-	-
Barley	-	-	-	*	*	-	-	-	-
Wheat	-	-	-	*	*	-	-	-	-
Maize	-	-	-	3,703	501	-	-	*	-
Sorghum	-	-	-	*	*	*	*	*	*
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	-	-	-	-	-	-
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	-	-	-	-
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	*	*	-	-	-	143	*	*	*
Lettuce	-	-	-	-	-	*	*	*	*
Head cabbage	-	-	-	-	-	*	*	*	*
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	*	*	-	-	-	110	*	-	-
Green peppers	-	-	-	-	-	-	-	-	-
Red peppers	-	-	-	-	-	-	-	*	*
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	-	-	-	*	*	*	*
Beetroot	-	-	-	-	-	*	*	*	*
Carrot	-	-	-	-	-	-	-	-	-
Onion	*	*	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	-	-	-	-	-	*	*
Other Temporary	*	*	-	*	*	*	*	*	*
Permanent crops				*	*	*	*	*	*
Avocado				-	-	-	-	-	-
Bananas				*	*	*	*	-	-
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	-	-
Mangoes				*	*	*	*	-	-
Oranges				-	-	-	-	-	-
Papayas				-	-	-	-	*	*
Pineapples				-	-	-	-	-	-
Stimulant	*	*	-	204	*	*	*	-	-
Chat				*	*	-	-	-	-
Coffee	*	*	-	*	*	*	*	-	-
Hops / 'Gesho'				-	-	-	-	-	-
Enset				-	-	-	-	-	-
Sugar cane				-	-	-	-	-	-
Other permanent				-	-	-	-	-	-

Table1.9.1 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Agnuwak zone

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	2897	*	-	*	*	-	-	-
Cereals	1589	-	-	-	-	-	-	-
Teff	*	-	-	-	-	-	-	-
Barley	*	-	-	-	-	-	-	-
Wheat	*	-	-	-	-	-	-	-
Maize	936	-	-	-	-	-	-	-
Sorghum	*	-	-	-	-	-	-	-
Finger millet	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
Pulses	*	*	-	*	*	-	-	-
Horse / Faba beans	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-
Haricot beans	*	*	-	*	*	-	-	-
Chick peas	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	*	-	-	-	-	-	-	-
Neug	*	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-
Groundnuts	*	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-
Vegetables	*	*	-	*	*	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	*	-	-	-	-	-	-	-
Ethiopian cabbage	*	-	-	-	-	-	-	-
Tomatoes	*	-	-	-	-	-	-	-
Green peppers	1	*	-	*	*	-	-	-
Red peppers	*	*	-	*	*	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
Root crops	133	*	-	*	*	-	-	-
Beetroot	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-
Onion	*	-	-	-	-	-	-	-
Potatoes	*	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-
Taro 'Godere'	11	*	-	*	*	-	-	-
Sweet potatoes	119	*	-	*	*	-	-	-
Other Temporary	810	-	-	-	-	-	-	-
Permanent crops	115	*	-	*	*	-	-	-
Avocado	*	-	-	-	-	-	-	-
Bananas	*	-	-	-	-	-	-	-
Guava	*	-	-	-	-	-	-	-
Lemons	2	-	-	-	-	-	-	-
Mangoes	43	*	-	*	*	-	-	-
Oranges	*	-	-	-	-	-	-	-
Papayas	42	*	-	*	*	-	-	-
Pineapples	-	-	-	-	-	-	-	-
Stimulant	*	-	-	-	-	-	-	-
Chat	*	-	-	-	-	-	-	-
Coffee	*	-	-	-	-	-	-	-
Hops / 'Geshe'	*	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-
Sugar cane	*	-	-	-	-	-	-	-
Other permanent	*	-	-	-	-	-	-	-

(Table 1.9.1 cont'd.)

Agnuwak zone

[illegible]

(Table 1.9.1 Cont'd.)

Agnuwak zone

	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
Crop type	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	*	*	-	*	*	*	*	141	*
Cereals	-	-	-	*	*	*	*	*	*
Teff	-	-	-	-	-	-	-	-	-
Barley	-	-	-	*	*	-	-	-	-
Wheat	-	-	-	*	*	-	-	-	-
Maize	-	-	-	*	*	-	-	-	-
Sorghum	-	-	-	*	*	*	*	*	*
Finger millet	-	-	-	-	-	-	-	-	-
Oats / ‘Aja’	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	-	-	-	-	-	-
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	-	-	-	-
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	*	*	-	-	-	*	*	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	*	*	-	-	-	*	*	-	-
Green peppers	-	-	-	-	-	-	-	-	-
Red peppers	-	-	-	-	-	-	-	*	*
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	-	-	-	-	-	*	*
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	*	*	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro ‘Godere’	-	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	-	-	-	-	-	*	*
Other Temporary	*	*	-	-	-	*	*	*	*
Permanent crops				-	-	*	*	*	*
Avocado				-	-	-	-	-	-
Bananas				-	-	*	*	-	-
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	*	*	-	-
Oranges				-	-	-	-	-	-
Papayas				-	-	-	-	*	*
Pineapples				-	-	-	-	-	-
Stimulant	-	-	-	*	*	*	*	-	-
Chat				*	*	-	-	-	-
Coffee	-	-	-	-	-	*	*	-	-
Hops / ‘Gesho’				-	-	-	-	-	-
Enset				-	-	-	-	-	-
Sugar cane				-	-	-	-	-	-
Other permanent				-	-	-	-	-	-

Table1.9.2 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Nuwere Zone

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	2563	-	-	-	-	-	-	-
Cereals	2259	-	-	-	-	-	-	-
Teff	-	-	-	-	-	-	-	-
Barley	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-
Maize	2235	-	-	-	-	-	-	-
Sorghum	*	-	-	-	-	-	-	-
Finger millet	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
Pulses	*	-	-	-	-	-	-	-
Horse / Faba beans	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-
Haricot beans	*	-	-	-	-	-	-	-
Chick peas	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	*	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-
Groundnuts	*	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-
Vegetables	*	-	-	-	-	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-
Tomatoes	*	-	-	-	-	-	-	-
Green peppers	*	-	-	-	-	-	-	-
Red peppers	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
Root crops	*	-	-	-	-	-	-	-
Beetroot	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	*	-	-	-	-	-	-	-
Other Temporary	*	-	-	-	-	-	-	-
Permanent crops	*	-	-	-	-	-	-	-
Avocado	-	-	-	-	-	-	-	-
Bananas	-	-	-	-	-	-	-	-
Guava	-	-	-	-	-	-	-	-
Lemons	-	-	-	-	-	-	-	-
Mangoes	*	-	-	-	-	-	-	-
Oranges	-	-	-	-	-	-	-	-
Papayas	*	-	-	-	-	-	-	-
Pineapples	-	-	-	-	-	-	-	-
Stimulant	-	-	-	-	-	-	-	-
Chat	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-
Hops / 'Gesho'	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	-	-	-
Other permanent	-	-	-	-	-	-	-	-

(Table 1.9.2 cont'd.)

Nuwere Zone

[illegible]

(Table 1.9.2 Cont'd.)

Nuwere Zone

	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
Crop type	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	*	*	-	2,877	415	-	-	*	*
Cereals	-	-	-	2,861	413	-	-	-	-
Teff	-	-	-	-	-	-	-	-	-
Barley	-	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-	-
Maize	-	-	-	2,861	407	-	-	-	-
Sorghum	-	-	-	*	*	-	-	-	-
Finger millet	-	-	-	-	-	-	-	-	-
Oats / ‘Aja’	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	-	-	-	-	-	-
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	-	-	-	-
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	-	-	-	-	-	-	-	-	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	-	-	-	-
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	-	-	-	-	-	-	-	-	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro ‘Godere’	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other Temporary	-	-	-	*	*	-	-	*	*
Permanent crops				-	-	-	-	-	-
Avocado				-	-	-	-	-	-
Bananas				-	-	-	-	-	-
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	-	-	-	-
Oranges				-	-	-	-	-	-
Papayas				-	-	-	-	-	-
Pineapples				-	-	-	-	-	-
Stimulant	-	-	-	-	-	-	-	-	-
Chat				-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-	-
Hops / ‘Gesho’				-	-	-	-	-	-
Enset				-	-	-	-	-	-
Sugar cane				-	-	-	-	-	-
Other permanent				-	-	-	-	-	-

Table1.9.3 Number of Holders, Inputs Applied Area and Quantity of Inputs used
Mezengir Zone

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	8170	13	-	836	13	-	-	-
Cereals	2953	*	-	*	*	-	-	-
Teff	*	-	-	-	-	-	-	-
Barley	-	-	-	-	-	-	-	-
Wheat	*	-	-	-	-	-	-	-
Maize	273	*	-	*	*	-	-	-
Sorghum	2670	-	-	-	-	-	-	-
Finger millet	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
Pulses	*	-	-	-	-	-	-	-
Horse / Faba beans	*	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-
Haricot beans	*	-	-	-	-	-	-	-
Chick peas	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	*	-	-	-	-	-	-	-
Fenugreek	*	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	*	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-
Safflower	*	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-
Vegetables	81	*	-	*	*	-	-	-
Lettuce	*	-	-	-	-	-	-	-
Head cabbage	4	-	-	-	-	-	-	-
Ethiopian cabbage	19	*	-	*	*	-	-	-
Tomatoes	*	-	-	-	-	-	-	-
Green peppers	*	*	-	*	*	-	-	-
Red peppers	41	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
Root crops	103	2	-	287	2	-	-	-
Beetroot	*	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-
Onion	*	-	-	-	-	-	-	-
Potatoes	*	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-
Taro 'Godere'	83	2	-	287	2	-	-	-
Sweet potatoes	18	-	-	-	-	-	-	-
Other Temporary	254	*	-	*	*	-	-	-
Permanent crops	230	1	-	393	1	-	-	-
Avocado	49	*	-	122	*	-	-	-
Bananas	88	*	-	123	*	-	-	-
Guava	*	-	-	-	-	-	-	-
Lemons	*	-	-	-	-	-	-	-
Mangoes	60	*	-	*	*	-	-	-
Oranges	11	*	-	*	*	-	-	-
Papayas	16	*	-	*	*	-	-	-
Pineapples	4	-	-	-	-	-	-	-
Stimulant	4051	*	-	*	*	-	-	-
Chat	124	-	-	-	-	-	-	-
Coffee	3897	*	-	*	*	-	-	-
Hops / 'Geshe'	30	-	-	-	-	-	-	-
Enset	383	*	-	507	*	-	-	-
Sugar cane	93	*	-	182	*	-	-	-
Other permanent	3	*	-	*	*	-	-	-

(Table 1.9.3 cont'd.)

Mezengir Zone

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	-	-	-	-	-	-	15158	7356	1214
Cereals	-	-	-	-	-	-	11502	2953	1208
Teff	-	-	-	-	-	-	-	-	-
Barley	-	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	*	*	*
Maize	-	-	-	-	-	-	3419	273	158
Sorghum	-	-	-	-	-	-	10277	2670	1046
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	-	-	-	724	*	*
Horse / Faba beans	-	-	-	-	-	-	*	*	*
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	-	581	*	*
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	*	*	-
Fenugreek	-	-	-	-	-	-	*	*	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	*	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	*	*	*
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	-	-	-	-	-	-	5274	81	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	-	-	-	-	-	-	351	4	-
Ethiopian cabbage	-	-	-	-	-	-	2814	19	-
Tomatoes	-	-	-	-	-	-	133	*	-
Green peppers	-	-	-	-	-	-	1154	*	-
Red peppers	-	-	-	-	-	-	2042	41	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	-	-	-	-	-	-	5788	103	-
Beetroot	-	-	-	-	-	-	110	*	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	188	*	-
Potatoes	-	-	-	-	-	-	*	*	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	5118	83	-
Sweet potatoes	-	-	-	-	-	-	1165	18	-
Other Temporary	-	-	-	-	-	-	5449	254	-
Permanent crops	-	-	-	-	-	-	9145	193	-
Avocado	-	-	-	-	-	-	5356	38	-
Bananas	-	-	-	-	-	-	4729	80	-
Guava	-	-	-	-	-	-	336	*	-
Lemons	-	-	-	-	-	-	346	*	-
Mangoes	-	-	-	-	-	-	4773	46	-
Oranges	-	-	-	-	-	-	1665	9	-
Papayas	-	-	-	-	-	-	3543	14	-
Pineapples	-	-	-	-	-	-	829	3	-
Stimulant	-	-	-	-	-	-	8700	3330	-
Chat	-	-	-	-	-	-	2075	84	-
Coffee	-	-	-	-	-	-	8577	3225	-
Hops / 'Gesho'	-	-	-	-	-	-	1549	21	-
Enset	-	-	-	-	-	-	7276	333	-
Sugar cane	-	-	-	-	-	-	5529	88	-
Other permanent	-	-	-	-	-	-	887	3	-

(Table 1.9.3 Cont'd.)

Mezengir Zone

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	357	*	-	587	*	*	*	*	*
Cereals	-	-	-	394	*	-	-	-	-
Teff	-	-	-	-	-	-	-	-	-
Barley	-	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-	-
Maize	-	-	-	*	*	-	-	-	-
Sorghum	-	-	-	*	*	-	-	-	-
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	-	-	-	-	-	-
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	-	-	-	-
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	-	-	-	-	-	*	*	*	*
Lettuce	-	-	-	-	-	*	*	*	*
Head cabbage	-	-	-	-	-	*	*	*	*
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	-	-	-	-
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	-	-	-	-	-	*	*	*	*
Beetroot	-	-	-	-	-	*	*	*	*
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other Temporary	-	-	-	-	-	-	-	-	-
Permanent crops				*	*	-	-	*	*
Avocado				-	-	-	-	-	-
Bananas				*	*	-	-	-	-
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	-	-	-	-
Oranges				-	-	-	-	-	-
Papayas				-	-	-	-	*	*
Pineapples				-	-	-	-	-	-
Stimulant	*	*	-	*	*	-	-	-	-
Chat				-	-	-	-	-	-
Coffee	*	*	-	*	*	-	-	-	-
Hops / 'Gesho'				-	-	-	-	-	-
Enset				-	-	-	-	-	-
Sugar cane				-	-	-	-	-	-
Other permanent				-	-	-	-	-	-

Table1.9.4 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Itang Special

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	1173	*	-	*	*	-	-	-
Cereals	1093	*	-	*	*	-	-	-
Teff	-	-	-	-	-	-	-	-
Barley	*	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-
Maize	1074	*	-	*	*	-	-	-
Sorghum	*	-	-	-	-	-	-	-
Finger millet	-	-	-	-	-	-	-	-
Oats / 'Aja'	*	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
Pulses	*	-	-	-	-	-	-	-
Horse / Faba beans	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-
Haricot beans	*	-	-	-	-	-	-	-
Chick peas	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	*	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-
Groundnuts	*	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-
Vegetables	3	-	-	-	-	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-
Tomatoes	3	-	-	-	-	-	-	-
Green peppers	*	-	-	-	-	-	-	-
Red peppers	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
Root crops	7	-	-	-	-	-	-	-
Beetroot	*	-	-	-	-	-	-	-
Carrot	*	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-
Taro 'Godere'	*	-	-	-	-	-	-	-
Sweet potatoes	*	-	-	-	-	-	-	-
Other Temporary	7	-	-	-	-	-	-	-
Permanent crops	61	-	-	-	-	-	-	-
Avocado	-	-	-	-	-	-	-	-
Bananas	*	-	-	-	-	-	-	-
Guava	*	-	-	-	-	-	-	-
Lemons	-	-	-	-	-	-	-	-
Mangoes	32	-	-	-	-	-	-	-
Oranges	-	-	-	-	-	-	-	-
Papayas	*	-	-	-	-	-	-	-
Pineapples	-	-	-	-	-	-	-	-
Stimulant	-	-	-	-	-	-	-	-
Chat	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-
Hops / 'Geshe'	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	-	-	-
Other permanent	-	-	-	-	-	-	-	-

(Table 1.9.4 cont'd.)

Itang Special

Crop type	Holder	Hectare	Quintal
All	-	-	-
Cereals	-	-	-
Teff	-	-	-
Barley	-	-	*
Wheat	-	-	-
Maize	-	-	-
Sorghum	-	-	*
Finger millet	-	-	-
Oats / ‘Aja’	-	-	*
Rice	-	-	-
Pulses	-	-	*
Horse / Faba beans	-	-	-
Field Peas	-	-	-
Haricot beans	-	-	*
Chick peas	-	-	-
Lentils	-	-	-
Vetch / Grass peas	-	-	-
Soya beans	-	-	-
Fenugreek	-	-	-
Gibto	-	-	-
Oilseeds	-	-	*
Neug	-	-	-
Linseed	-	-	-
Groundnuts	-	-	*
Safflower	-	-	-
Sesame	-	-	-
Rapeseed	-	-	-
Vegetables	-	-	*
Lettuce	-	-	-
Head cabbage	-	-	-
Ethiopian cabbage	-	-	-
Tomatoes	-	-	*
Green peppers	-	-	*
Red peppers	-	-	-
Swiss chard	-	-	-
Root crops	-	-	*7
Beetroot	-	-	*
Carrot	-	-	*
Onion	-	-	-
Potatoes	-	-	-
Garlic	-	-	-
Taro ‘Godere’	-	-	*
Sweet potatoes	-	-	*
Other Temporary	-	-	3767
Permanent crops	-	-	161161
Avocado	-	-	-
Bananas	-	-	950*
Guava	-	-	*
Lemons	-	-	-
Mangoes	-	-	141932
Oranges	-	-	-
Papayas	-	-	202*
Pineapples	-	-	-
Stimulant	-	-	-
Chat	-	-	-
Coffee	-	-	-
Hops / ‘Gesho’	-	-	-
Enset	-	-	-
Sugar cane	-	-	-
Other permanent	-	-	-

(Table 1.9.4 Cont'd.)

Itang Special

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	*	*	-	708	78	*	*	*	*
Cereals	-	-	-	680	78	-	-	*	-
Teff	-	-	-	-	-	-	-	-	-
Barley	-	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-	-
Maize	-	-	-	680	78	-	-	*	-
Sorghum	-	-	-	-	-	-	-	-	-
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	-	-	-	-	-	-
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	-	-	-	-
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	*	*	-	-	-	*	*	-	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	*	*	-	-	-	*	*	-	-
Green peppers	-	-	-	-	-	-	-	-	-
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	-	-	-	-	-	-	-	-	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other Temporary	-	-	-	-	-	*	*	-	-
Permanent crops				*	*	-	-	*	*
Avocado				-	-	-	-	-	-
Bananas				-	-	-	-	-	-
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	-	-
Mangoes				*	*	-	-	-	-
Oranges				-	-	-	-	-	-
Papayas				-	-	-	-	*	*
Pineapples				-	-	-	-	-	-
Stimulant	-	-	-	-	-	-	-	-	-
Chat				-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-	-
Hops / 'Gesho'				-	-	-	-	-	-
Enset				-	-	-	-	-	-
Sugar cane				-	-	-	-	-	-
Other permanent				-	-	-	-	-	-

Table1.8 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Harari Region

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	17229	12167	10821	10748	3111	1842	519	1750
Cereals	9869	7038	6095	9176	1858	1363	273	*
Teff	*	*	-	*	*	-	-	-
Barley	25	20	*	*	*	*	*	*
Wheat	72	64	*	*	*	*	*	*
Maize	2069	1840	2088	6020	381	770	40	*
Sorghum	7702	5112	3944	7882	1463	1173	225	*
Finger millet	-	-	-	-	-	-	-	-
Oats / 'Aja'	*	*	*	-	-	*	*	*
Rice	*	*	-	*	*	-	-	-
Pulses	*	*	-	242	*	-	-	-
Horse / Faba beans	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-
Haricot beans	*	*	-	196	*	-	-	-
Chick peas	-	-	-	-	-	-	-	-
Lentils	*	*	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	*	*	-	*	*	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	1708	711	846	3067	277	*	*	*
Neug	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-
Groundnuts	1705	711	846	3026	276	*	*	*
Safflower	-	-	-	-	-	-	-	-
Sesame	*	*	*	*	*	-	-	-
Rapeseed	*	*	-	*	*	-	-	-
Vegetables	*	*	*	167	*	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	*	*	*	*	*	-	-	-
Ethiopian cabbage	*	*	*	-	-	-	-	-
Tomatoes	*	*	*	*	*	-	-	-
Green peppers	*	*	*	*	*	-	-	-
Red peppers	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
Root crops	119	42	43	560	13	*	*	*
Beetroot	*	*	-	*	*	-	-	-
Carrot	-	-	-	-	-	-	-	-
Onion	*	*	*	*	*	-	-	-
Potatoes	18	13	*	*	*	*	*	*
Garlic	*	*	-	*	*	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	97	25	*	*	10	*	*	*
Other Temporary	12	10	*	1064	6	-	-	-
Permanent crops	449	157		2522	*			
Avocado	-	-		-	-			
Bananas	*	4		913	3			
Guava	7	*		*	*			
Lemons	*	*		*	*			
Mangoes	265	113		1306	53			
Oranges	-	-		-	-			
Papayas	*	*		*	*			
Pineapples	-	-		-	-			
Stimulant	4878	4124		6896	870			
Chat	4833	4103		6621	865			
Coffee	*	*		395	*			
Hops / 'Gesho'	*	*		-	-			
Enset	*	*		*	*			
Sugar cane	*	*		*	*			
Other permanent	*	*		238	1			

(Table 1.8 cont'd.)

Harari Region

[illegible]

(Table 1.8 Cont'd.)

Harari Region

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	1,873	248	84	2,992	460	5,891	3,345	5,067	3,711
Cereals	1,624	197	84	*	*	3,916	*	5,067	2,172
Teff	*	*	*	-	-	-	-	-	-
Barley	-	-	-	-	-	-	-	*	*
Wheat	*	*	*	*	*	*	*	*	*
Maize	1,544	185	53	*	*	2,746	*	4,216	*
Sorghum	*	*	*	*	*	2,914	695	4,639	1,304
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	*	*	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	-	-	-	-	*	*
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	-	-	*	*
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	966	*	455	24
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	966	*	417	24
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	*	*
Vegetables	*	*	-	-	-	*	*	-	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	-	-	*	*	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	-	-	-	-	-	*	*	-	-
Green peppers	-	-	-	-	-	-	-	-	-
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	-	-	-	1,010	*	348	*
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	*	*	-	-
Potatoes	-	-	-	-	-	*	*	*	*
Garlic	*	*	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	821	*	*	*
Other Temporary	*	-	-	*	*	*	*	*	*
Permanent crops	-	-	-	-	-	1,842	174	321	8
Avocado	-	-	-	-	-	-	-	-	-
Bananas	-	-	-	-	-	519	*	*	*
Guava	-	-	-	-	-	*	*	*	*
Lemons	-	-	-	-	-	*	*	-	-
Mangoes	-	-	-	-	-	1,256	*	*	*
Oranges	-	-	-	-	-	-	-	-	-
Papayas	-	-	-	-	-	403	18	*	*
Pineapples	-	-	-	-	-	-	-	-	-
Stimulant	*	*	-	2,992	453	4,500	*	4,444	*
Chat	-	-	-	2,992	453	4,312	*	4,444	*
Coffee	-	-	-	-	-	*	*	*	*
Hops / 'Gesho'	-	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	*	*	*	*
Sugar cane	-	-	-	-	-	*	*	*	*
Other permanent	-	-	-	-	-	*	*	*	*

Table1.10 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Dire Dawa

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	11887	2509	167	9976	2372	*	*	*
Cereals	9627	1764	*	9244	1695	*	-	*
Teff	-	-	-	-	-	-	-	-
Barley	*	-	-	-	-	-	-	-
Wheat	*	-	*	-	-	*	-	*
Maize	219	39	*	2132	39	-	-	-
Sorghum	9390	1725	*	9042	1656	*	-	*
Finger millet	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
Pulses	499	117	*	2683	106	-	-	-
Horse / Faba beans	-	-	-	-	-	-	-	-
Field Peas	*	-	-	-	-	-	-	-
Haricot beans	499	117	*	2683	106	-	-	-
Chick peas	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	*	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	224	*	*	1096	76	-	-	-
Neug	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-
Groundnuts	*	*	*	*	*	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	100	*	-	*	*	-	-	-
Rapeseed	*	-	-	-	-	-	-	-
Vegetables	*	*	*	1905	*	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-
Ethiopian cabbage	*	*	-	*	*	-	-	-
Tomatoes	*	*	*	1672	*	-	-	-
Green peppers	*	*	-	282	*	-	-	-
Red peppers	*	*	-	*	*	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
Root crops	85	45	52	1792	34	*	-	*
Beetroot	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-
Onion	32	21	22	629	12	*	-	*
Potatoes	5	*	*	*	*	*	-	*
Garlic	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	48	22	*	1209	21	-	-	-
Other Temporary	*	*	*	*	*	-	-	-
Permanent crops	70	29		2157	26			
Avocado	-	-		-	-			
Bananas	4	*		328	*			
Guava	11	4		444	4			
Lemons	*	*		*	*			
Mangoes	24	7		471	7			
Oranges	*	*		239	*			
Papayas	17	7		1092	*			
Pineapples	-	-		-	-			
Stimulant	1240	371		6131	343			
Chat	1127	302		5118	279			
Coffee	113	68		2185	64			
Hops / 'Gesho'	-	-		-	-			
Enset	-	-		-	-			
Sugar cane	-	-		-	-			
Other permanent	*	*		1085	*			

(Table 1.10 cont'd.)

Dire Dawa

	UREA			UREA + DAP			INDIGENOUS SEED		
Crop type	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	970	*	*	300	*	*	21128	11537	1995
Cereals	430	*	*	253	*	*	21020	9410	1866
Teff	-	-	-	-	-	-	-	-	-
Barley	-	-	-	-	-	-	*	*	*
Wheat	-	-	-	-	-	-	*	*	*
Maize	*	*	*	*	-	-	5281	211	75
Sorghum	*	*	*	214	*	*	20771	9180	1762
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	*	*	*	*	7483	483	86
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	*	*	*	*	*	*	7483	483	86
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	*	*	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	*	*	*	-	-	-	2751	187	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	*	*	*	-	-	-	*	*	*
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	1600	86	6
Rapeseed	-	-	-	-	-	-	*	*	*
Vegetables	*	*	*	-	-	-	2603	*	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	*	*	-
Tomatoes	*	*	*	-	-	-	2231	*	-
Green peppers	-	-	-	-	-	-	519	*	-
Red peppers	-	-	-	-	-	-	*	*	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	485	*	*	*	-	-	4196	68	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	*	*	16	*	-	-	1695	17	-
Potatoes	*	*	*	-	-	-	526	5	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	*	-	-	-	2676	46	-
Other Temporary	*	*	*	-	-	-	*	*	-
Permanent crops							4712	60	
Avocado							-	-	
Bananas							529	*	
Guava							1369	9	
Lemons							423	*	
Mangoes							1428	23	
Oranges							258	*	
Papayas							1940	12	
Pineapples							-	-	
Stimulant							13331	1200	
Chat							12445	1111	
Coffee							3646	89	
Hops / 'Geshe'							-	-	
Enset							-	-	
Sugar cane							-	-	
Other permanent							2823	*	

(Table 1.10 Cont'd.)

Dire Dawa

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	2,843	310	49	*	*	6,711	1,529	*	*
Cereals	1,019	208	35	*	*	6,026	947	*	*
Teff	-	-	-	-	-	-	-	-	-
Barley	-	-	-	-	-	*	*	-	-
Wheat	-	-	-	-	-	-	-	-	-
Maize	*	*	*	*	*	1,796	62	-	-
Sorghum	917	200	34	*	*	5,589	884	*	*
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	-	-	-	*	8	-	-
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	*	*	-	-	-	*	8	-	-
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	*	*	*	-	-	*	*	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	*	*	*	-	-	*	*	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	*	*	*	-	-	*	*	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	*	*	-	-	-	1,307	*	-	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	*	*	-	-	-	*	*	-	-
Green peppers	-	-	-	-	-	436	*	-	-
Red peppers	-	-	-	-	-	*	*	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	-	-	-	1,794	34	-	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	*	*	-	-	-	731	13	-	-
Potatoes	-	-	-	-	-	*	*	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	-	-	-	1,209	*	-	-
Other Temporary	*	*	-	-	-	-	-	-	-
Permanent crops				*	*	3,196	50	-	-
Avocado	-	-	-	-	-	-	-	-	-
Bananas	-	-	-	-	-	535	4	-	-
Guava	-	-	-	-	-	872	4	-	-
Lemons	-	-	-	-	-	*	*	-	-
Mangoes	-	-	-	*	*	470	*	-	-
Oranges	-	-	-	-	-	*	*	-	-
Papayas	-	-	-	-	-	1,994	15	-	-
Pineapples	-	-	-	-	-	-	-	-	-
Stimulant	1,050	30	-	*	*	5,751	383	*	*
Chat	-	-	-	*	*	4,170	286	*	*
Coffee	897	20	-	-	-	3,766	97	-	-
Hops / 'Geshe'	-	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	-	-	-	-
Other permanent	-	-	-	-	-	1,614	*	-	-

Table 2: Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Ethiopia								
Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	9,628,135	1,651,434	678,144	173,909	112,301	43,070	46,861	142,520
Crop disease	452,946	32,760	13,860	2,416	1,507	1,115	1,540	3,804
Frost or floods	1,985,397	166,292	63,302	21,759	10,666	3,718	4,895	13,500
Locust	745,591	72,698	26,507	8,366	5,168	1,784	3,527	6,180
Shortage of rain	656,926	65,413	31,443	6,062	2,890	1,575	1,560	4,346
Too much rain	3,386,291	249,490	88,403	27,769	11,973	6,374	7,882	38,564
Wild animals	211,470	11,235	3,208	690	1,202	576	462	710
Birds	945,446	92,370	33,661	8,287	8,733	2,908	2,883	7,433
Hailstone	2,589,897	415,034	195,338	34,761	36,142	9,552	10,720	24,173
Pests	806,691	76,055	34,793	8,930	3,739	2,283	*	4,270
Weeds	2,209,569	197,173	80,569	27,977	11,812	6,910	3,827	12,434
Others	3,086,971	272,915	107,061	26,891	18,469	6,275	5,376	27,107

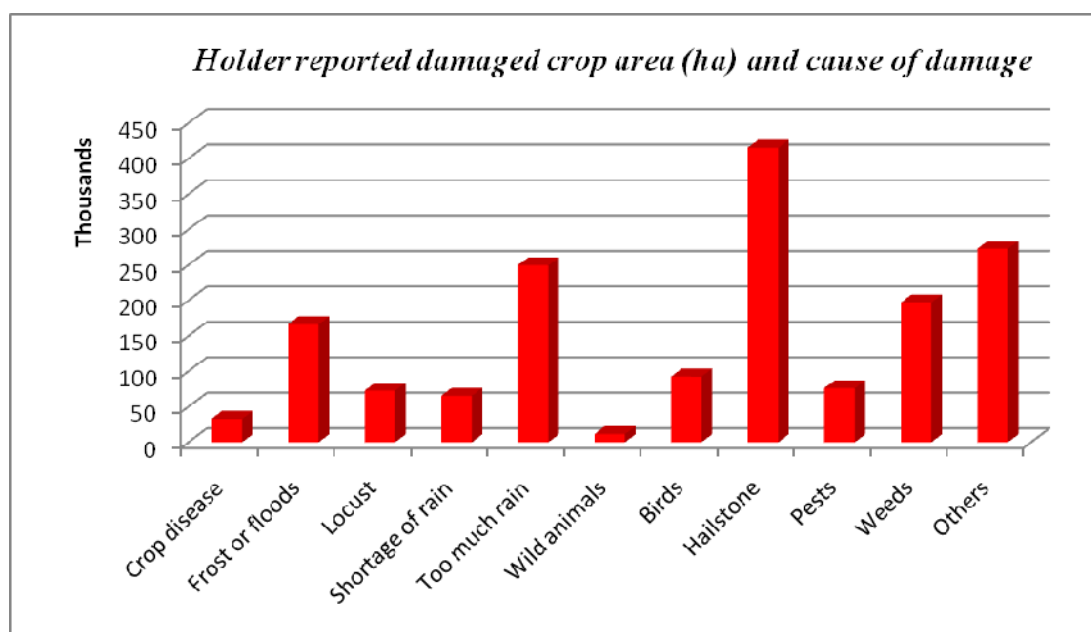


Figure 3: Holder reported damaged crop area (ha) and cause of damage, at country level

Table 2.1 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Tigray Region

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	657,612	148,096	93,704	8,939	13,712	5,672	1,171	3,829
Crop disease	11,514	1,166	536	*	*	-	-	*
Frost or floods	106,028	7,913	4,663	525	*	*	155	414
Locust	86,172	10,819	6,523	633	*	*	*	*
Shortage of rain	39,196	5,921	2,886	*	*	*	-	*
Too much rain	90,581	7,732	4,764	1,110	590	*	*	169
Wild animals	6,446	316	101	*	*	-	-	-
Birds	77,186	7,135	4,230	397	1,043	*	*	*
Hailstone	264,941	73,169	49,810	3,296	6,278	2,018	382	1,466
Pests	60,544	5,149	2,585	560	645	*	*	*
Weeds	158,330	16,057	10,194	1,117	508	*	159	769
Others	158,719	12,719	7,412	847	1,485	*	93	*

Table 2.1.1 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

North West Tigray

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	146,541	36,614	24,691	1,469	3,852	2,163	*	*
Crop disease	*	*	*	-	*	-	-	-
Frost or floods	13,213	1,187	513	*	*	-	-	*
Locust	20,432	2,508	*	*	*	*	-	*
Shortage of rain	8,077	*	*	-	*	*	-	-
Too much rain	26,049	2,912	2,027	*	*	*	*	*
Wild animals	1,227	*	*	-	-	-	-	-
Birds	32,054	3,023	1,830	*	*	*	*	*
Hailstone	52,219	20,136	14,931	*	2,712	*	-	*
Pests	8,592	681	355	*	*	*	-	-
Weeds	26,877	1,896	1,057	*	*	*	*	*
Others	40,829	2,829	1,677	235	220	*	*	*

Table 2.1.2 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Central Tigray

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	190,548	35,367	25,722	2,326	*	*	195	*
Crop disease	*	*	*	-	-	-	-	-
Frost or floods	25,227	1,142	972	85	*	-	*	*
Locust	41,660	4,451	3,603	394	*	-	*	*
Shortage of rain	*	*	*	*	-	*	-	*
Too much rain	26,052	1,797	1,092	*	*	-	*	*
Wild animals	*	*	*	-	-	-	-	-
Birds	18,125	1,784	1,378	*	*	-	-	*
Hailstone	49,707	*	*	*	*	*	*	*
Pests	23,358	2,220	1,374	*	*	*	-	*
Weeds	79,414	8,071	6,023	739	*	-	*	*
Others	46,255	3,256	2,531	*	*	*	-	*

Table 2.1.3 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

East Tigray

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	104,913	13,608	9,390	884	243	*	*	528
Crop disease	*	*	*	*	-	-	-	*
Frost or floods	35,969	2,842	1,778	180	*	*	*	112
Locust	7,351	*	*	*	-	*	*	*
Shortage of rain	7,597	*	*	*	*	*	-	*
Too much rain	13,989	725	397	*	-	-	*	*
Wild animals	1,578	*	*	*	*	-	-	-
Birds	5,221	300	*	-	-	-	*	-
Hailstone	45,166	5,949	4,685	*	*	-	*	*
Pests	6,593	255	*	*	*	*	*	-
Weeds	13,930	*	*	*	*	-	*	-
Others	27,717	1,483	796	*	*	*	*	*

Table 2.1.4 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

South Tigray

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	163,126	44,682	30,301	4,242	1,778	*	594	1,576
Crop disease	7,563	*	*	*	*	-	-	-
Frost or floods	25,217	2,460	1,299	225	*	*	*	*
Locust	12,960	*	*	*	*	*	*	*
Shortage of rain	7,440	*	*	*	-	-	-	*
Too much rain	18,840	1,569	1,067	*	*	*	-	*
Wild animals	*	*	*	-	-	-	-	-
Birds	12,730	1,197	*	*	*	*	*	-
Hailstone	100,797	29,446	21,204	2,830	*	*	*	1,017
Pests	19,962	1,451	681	*	*	*	*	*
Weeds	25,507	2,075	1,387	*	*	-	*	*
Others	32,278	2,928	1,661	257	*	*	*	*

Table 2.1.5 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Western Tigray

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	52,485	17,824	3,600	*	6,563	*	*	*
Crop disease	*	*	-	-	*	-	-	-
Frost or floods	6,402	283	101	-	*	*	-	*
Locust	*	*	*	-	*	*	-	-
Shortage of rain	*	*	*	-	*	*	-	-
Too much rain	5,651	*	*	-	*	-	-	*
Wild animals	*	*	*	-	*	-	-	-
Birds	9,056	831	148	*	549	*	*	*
Hailstone	17,051	*	*	-	*	*	*	*
Pests	2,040	*	*	*	*	-	*	-
Weeds	12,603	*	*	-	85	*	*	*
Others	11,640	2,223	747	-	946	*	*	*

Table 2.2 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Afar Region

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	3,121	*	*	-	-	-	-	-
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	411	*	*	-	-	-	-	-
Locust	-	-	-	-	-	-	-	-
Shortage of rain	*	*	-	-	-	-	-	-
Too much rain	*	*	-	-	-	-	-	-
Wild animals	*	*	*	-	-	-	-	-
Birds	-	-	-	-	-	-	-	-
Hailstone	-	-	-	-	-	-	-	-
Pests	*	*	-	-	-	-	-	-
Weeds	*	*	*	-	-	-	-	-
Others	*	*	*	-	-	-	-	-

Table 2.2.1 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Zone 1

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	1,394	*	*	-	-	-	-	-
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	*	*	*	-	-	-	-	-
Locust	-	-	-	-	-	-	-	-
Shortage of rain	-	-	-	-	-	-	-	-
Too much rain	*	*	-	-	-	-	-	-
Wild animals	-	-	-	-	-	-	-	-
Birds	-	-	-	-	-	-	-	-
Hailstone	-	-	-	-	-	-	-	-
Pests	*	*	-	-	-	-	-	-
Weeds	*	*	*	-	-	-	-	-
Others	*	*	*	-	-	-	-	-

Table 2.2.2 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Zone 3

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	*	*	*	-	-	-	-	-
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	*	*	*	-	-	-	-	-
Locust	-	-	-	-	-	-	-	-
Shortage of rain	*	*	-	-	-	-	-	-
Too much rain	*	*	-	-	-	-	-	-
Wild animals	*	*	*	-	-	-	-	-
Birds	-	-	-	-	-	-	-	-
Hailstone	-	-	-	-	-	-	-	-
Pests	-	-	-	-	-	-	-	-
Weeds	-	-	-	-	-	-	-	-
Others	*	*	*	-	-	-	-	-

Table 2.3 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Amhara Region

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	2,991,896	626,684	262,956	95,664	59,570	20,354	23,563	26,474
Crop disease	136,187	11,742	6,327	1,114	380	437	516	254
Frost or floods	472,765	40,975	14,887	10,445	3,243	821	1,595	1,011
Locust	312,481	32,022	9,641	5,725	2,307	*	2,401	1,287
Shortage of rain	265,339	35,087	21,340	3,216	1,309	*	*	590
Too much rain	1,084,456	95,692	39,514	15,202	6,848	2,709	3,570	6,536
Wild animals	68,460	2,261	948	101	*	*	47	107
Birds	250,086	22,894	9,416	3,568	2,657	1,541	559	614
Hailstone	852,633	164,004	68,243	19,524	26,448	5,420	*	6,833
Pests	372,367	38,601	16,088	5,387	1,563	897	*	2,453
Weeds	959,031	90,347	38,569	17,498	6,527	4,655	1,292	3,641
Others	1,031,139	93,059	37,984	13,885	8,005	2,399	2,164	3,147

Table 2.3.1 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

North Gondar

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	511,052	120,631	50,269	17,077	21,627	7,446	1,003	1,266
Crop disease	33,333	3,076	*	*	*	*	*	*
Frost or floods	78,179	7,801	2,674	*	1,727	*	*	*
Locust	59,761	5,898	2,403	*	*	*	*	*
Shortage of rain	21,161	1,294	*	*	*	*	-	*
Too much rain	144,131	10,699	4,583	1,113	*	*	*	*
Wild animals	11,968	696	*	*	*	*	-	*
Birds	80,936	8,649	4,607	*	1,791	797	-	*
Hailstone	140,902	34,930	14,574	4,625	*	*	*	*
Pests	73,820	5,356	1,760	1,303	338	*	*	*
Weeds	156,395	19,879	7,714	3,263	2,762	1,400	*	*
Others	210,216	22,354	9,566	3,207	2,591	808	*	*

Table 2.3.2 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

South Gondar

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	343,650	86,841	34,252	18,684	6,979	*	4,111	*
Crop disease	18,634	*	*	*	*	-	*	*
Frost or floods	93,304	9,930	2,832	3,371	*	*	*	*
Locust	57,053	6,464	1,316	1,385	669	*	*	*
Shortage of rain	13,951	1,033	*	*	*	-	*	-
Too much rain	146,164	20,166	8,198	3,669	1,053	*	*	*
Wild animals	10,627	405	137	*	*	-	-	*
Birds	35,005	3,431	911	704	180	-	*	*
Hailstone	94,833	15,119	*	3,313	*	*	*	*
Pests	38,788	3,365	654	*	*	*	*	*
Weeds	122,238	11,662	5,952	2,699	667	*	159	*
Others	135,712	13,165	5,332	2,190	1,803	*	524	*

Table 2.3.3 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

North Wolo

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	282,586	67,117	38,263	10,243	2,969	1,585	1,418	1,582
Crop disease	10,899	*	*	*	-	-	*	*
Frost or floods	28,938	2,255	*	*	*	-	*	*
Locust	4,430	*	*	*	-	-	*	-
Shortage of rain	63,182	*	*	784	*	*	*	*
Too much rain	98,122	7,433	2,982	1,474	741	*	*	*
Wild animals	4,943	*	*	*	-	*	-	*
Birds	14,936	982	*	*	*	-	*	*
Hailstone	129,846	21,972	12,391	3,291	957	318	*	374
Pests	39,306	3,856	2,144	*	*	*	*	*
Weeds	94,474	13,259	6,570	3,347	784	506	*	352
Others	45,193	2,551	1,007	480	*	*	-	*

Table 2.3.4 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

South Wolo

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	432,780	50,626	18,395	7,703	1,325	3,028	699	*
Crop disease	17,318	*	*	*	-	*	-	*
Frost or floods	73,405	2,945	696	739	*	*	*	*
Locust	50,714	3,796	1,875	554	*	-	*	-
Shortage of rain	60,560	4,616	2,407	*	*	*	*	*
Too much rain	159,844	12,323	4,609	1,104	*	*	*	*
Wild animals	10,066	195	*	*	-	*	-	*
Birds	11,704	*	*	*	*	-	-	-
Hailstone	146,450	11,540	3,747	2,271	*	*	*	*
Pests	43,586	1,652	676	208	-	-	-	*
Weeds	106,377	7,881	2,488	*	*	*	*	*
Others	82,220	3,192	837	297	*	*	-	*

Table 2.3.4 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damag

North Shewa

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	348,585	111,648	43,343	8,533	*	2,112	*	6,032
Crop disease	11,715	*	*	*	*	-	*	*
Frost or floods	37,228	3,547	1,017	*	*	*	*	*
Locust	24,946	1,738	523	313	-	-	-	*
Shortage of rain	60,689	*	*	*	*	*	*	*
Too much rain	161,198	13,322	5,166	1,802	*	*	*	*
Wild animals	*	*	*	-	-	-	*	*
Birds	34,944	2,194	613	233	*	*	*	*
Hailstone	103,099	*	*	744	*	*	*	*
Pests	38,711	*	*	*	*	-	*	*
Weeds	118,764	10,999	5,272	807	318	*	*	1,034
Others	138,688	13,302	5,299	1,982	*	*	*	197

Table 2.3.6 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

East Gojjam

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	434,962	79,962	37,308	17,885	3,156	2,818	3,093	3,132
Crop disease	*	*	*	*	-	-	*	-
Frost or floods	86,509	9,436	4,616	2,567	*	*	*	*
Locust	41,997	3,363	*	1,086	*	*	*	*
Shortage of rain	26,795	1,797	1,011	*	*	*	*	-
Too much rain	170,327	18,324	8,807	4,013	540	188	726	*
Wild animals	5,439	*	*	*	*	-	-	-
Birds	23,703	1,810	719	*	*	*	-	*
Hailstone	86,758	11,452	4,688	1,937	*	*	210	*
Pests	56,269	5,317	*	934	*	*	*	*
Weeds	171,617	12,401	4,999	3,643	*	*	*	665
Others	157,411	14,640	7,477	2,453	990	*	*	349

Table 2.3.7 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

West Gojjam

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	330,532	45,926	15,188	8,093	3,791	*	1,547	1,329
Crop disease	24,692	*	*	*	*	*	*	-
Frost or floods	46,451	3,436	1,186	*	*	*	*	*
Locust	31,218	*	*	*	*	-	*	*
Shortage of rain	*	*	*	*	-	-	-	-
Too much rain	127,319	7,341	2,680	1,260	530	*	*	*
Wild animals	*	*	*	*	*	-	*	*
Birds	19,973	1,751	645	421	*	-	*	*
Hailstone	41,140	5,146	1,840	746	*	*	*	*
Pests	56,841	3,180	976	410	166	*	*	*
Weeds	112,056	6,371	2,124	1,003	*	*	*	*
Others	154,819	13,396	4,379	2,298	745	*	499	*

Table 2.3.8 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Waghamera

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	85,642	26,518	14,338	4,680	2,606	*	383	*
Crop disease	*	*	*	*	-	-	*	-
Frost or floods	4,742	*	*	*	*	*	*	*
Locust	7,121	515	199	*	*	-	*	-
Shortage of rain	4,066	*	*	*	*	-	*	-
Too much rain	23,057	2,879	1,475	343	*	*	*	-
Wild animals	*	*	140	*	*	-	*	*
Birds	16,978	2,033	923	506	*	*	*	*
Hailstone	45,680	12,496	*	1,976	1,516	*	*	-
Pests	11,732	*	*	*	*	*	*	-
Weeds	28,063	4,066	1,899	1,021	535	*	*	*
Others	17,946	2,088	1,272	*	190	*	*	-

Table 2.3.9 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Awii

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	146,963	21,805	5,986	1,968	1,847	828	*	1,170
Crop disease	3,613	*	-	*	*	*	-	*
Frost or floods	22,085	1,138	435	*	*	*	*	*
Locust	33,566	6,217	1,053	*	*	*	*	*
Shortage of rain	1,559	*	*	-	-	-	-	-
Too much rain	43,759	2,432	916	*	*	*	*	*
Wild animals	*	*	*	-	-	-	-	-
Birds	7,600	343	*	*	*	*	-	*
Hailstone	11,660	*	*	*	*	*	*	*
Pests	8,749	909	323	-	*	*	-	-
Weeds	23,815	863	229	*	*	*	*	*
Others	80,201	7,887	2,616	644	948	*	*	441

Table 2.3.10 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Oromia Zone

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	69,394	13,832	4,865	699	2,420	*	-	1,377
Crop disease	*	*	*	-	*	-	-	*
Frost or floods	1,924	*	*	-	-	*	-	*
Locust	*	*	*	-	-	-	-	*
Shortage of rain	6,015	*	*	-	*	-	-	*
Too much rain	10,162	745	*	*	*	*	-	*
Wild animals	*	*	*	-	-	-	-	-
Birds	4,223	722	*	*	*	-	-	*
Hailstone	47,614	7,428	2,397	550	1,357	*	-	730
Pests	4,392	722	*	-	*	-	-	*
Weeds	23,609	2,669	1,187	*	*	*	-	334
Others	8,619	479	194	*	*	*	-	*

Table 2.3.11 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Argoba Special Zone

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	5,751	1,777	750	97	284	36	*	114
Crop disease	48	*	*	*	-	-	-	-
Frost or floods	-	-	-	-	-	-	-	-
Locust	*	*	*	-	-	-	-	*
Shortage of rain	826	256	104	*	*	*	*	*
Too much rain	374	29	*	*	*	*	-	*
Wild animals	*	*	-	-	*	-	-	*
Birds	84	16	*	-	-	-	-	*
Hailstone	4,652	1,094	446	65	196	24	-	*
Pests	174	38	18	*	*	-	-	-
Weeds	1,623	296	135	*	65	*	-	*
Others	114	*	*	*	-	-	*	-

Table 2.4 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Oromia Region

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	3,474,751	654,475	244,330	51,796	31,982	10,414	12,902	84,999
Crop disease	147,465	15,353	6,084	764	970	443	*	2,047
Frost or floods	682,058	73,499	27,865	5,019	5,458	1,861	1,317	7,988
Locust	211,396	23,528	7,743	1,421	*	*	*	3,849
Shortage of rain	158,294	11,152	2,988	2,079	*	*	196	1,863
Too much rain	1,273,687	111,960	34,628	8,713	4,262	2,234	1,961	24,319
Wild animals	74,390	4,214	1,174	307	546	*	*	403
Birds	380,662	44,988	13,367	3,093	2,937	563	1,858	5,422
Hailstone	901,830	133,614	60,048	9,565	2,947	749	2,067	12,324
Pests	235,980	24,836	12,412	2,754	1,391	741	206	1,274
Weeds	808,813	79,607	28,676	8,422	4,272	1,005	1,929	6,189
Others	1,189,570	131,725	49,344	9,660	7,502	2,159	1,791	19,321

Table 2.4.1 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

West Welega

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	190,502	30,753	5,443	1,173	1,144	518	*	8,117
Crop disease	17,763	891	*	*	*	*	*	*
Frost or floods	44,860	2,759	755	*	*	*	*	386
Locust	13,029	*	134	*	*	-	*	*
Shortage of rain	3,818	140	*	*	*	*	-	*
Too much rain	108,520	9,511	1,650	286	221	*	*	2,774
Wild animals	8,108	276	*	*	*	-	*	*
Birds	13,343	579	*	*	*	-	*	174
Hailstone	10,871	*	*	*	*	-	-	*
Pests	11,617	*	*	*	*	*	*	*
Weeds	55,708	6,468	619	*	*	*	*	1,040
Others	75,114	6,238	1,498	310	280	*	*	1,829

Table 2.4.2 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

East Welega

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	162,106	33,133	10,842	809	5,178	*	454	2,024
Crop disease	13,316	*	*	*	*	*	*	*
Frost or floods	30,379	3,565	1,854	*	679	*	*	252
Locust	7,617	973	*	-	*	-	*	*
Shortage of rain	5,919	*	*	-	*	*	-	-
Too much rain	92,670	7,503	2,394	*	1,587	*	*	545
Wild animals	8,760	*	*	*	*	*	*	*
Birds	21,119	2,557	861	-	646	*	*	*
Hailstone	12,814	*	*	*	*	*	-	*
Pests	12,984	1,084	362	*	*	*	*	*
Weeds	39,831	3,021	960	*	314	*	*	*
Others	82,404	11,174	3,248	*	1,356	*	319	644

Table 2.4.3 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Illubabor

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	250,258	58,272	14,726	3,415	3,495	1,295	677	17,761
Crop disease	*	*	*	*	*	*	*	*
Frost or floods	71,871	7,442	1,810	314	*	*	*	1,539
Locust	15,935	1,557	365	*	*	*	*	629
Shortage of rain	10,320	384	*	*	*	*	*	*
Too much rain	151,252	19,716	4,251	540	601	*	*	8,145
Wild animals	12,237	*	*	*	*	*	-	*
Birds	28,842	2,902	884	187	*	*	*	771
Hailstone	52,814	7,959	2,686	*	*	*	*	1,025
Pests	18,850	1,754	599	*	*	*	-	359
Weeds	42,869	2,744	*	*	*	-	*	*
Others	105,866	12,354	3,270	950	525	*	77	4,185

Table 2.4.4 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Jimma

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	439,247	67,468	25,489	3,574	1,857	*	644	18,382
Crop disease	*	*	*	*	*	*	-	*
Frost or floods	127,292	10,220	3,228	*	*	*	*	3,023
Locust	14,484	*	*	*	-	-	-	*
Shortage of rain	16,625	1,349	*	-	*	*	-	*
Too much rain	232,170	16,333	5,290	*	*	*	*	5,194
Wild animals	14,122	403	*	-	-	-	-	132
Birds	62,010	4,776	1,130	*	*	*	-	1,993
Hailstone	79,070	8,380	3,745	*	*	*	*	1,192
Pests	12,265	581	340	-	-	-	-	*
Weeds	75,714	2,517	1,015	*	*	*	-	643
Others	181,696	19,778	9,304	781	464	*	*	3,958

Table 2.4.5 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

West Shewa

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	293,949	59,507	29,952	4,263	4,008	538	1,310	5,138
Crop disease	*	*	*	*	*	*	-	*
Frost or floods	33,928	3,919	1,185	*	*	-	*	*
Locust	27,879	*	*	*	*	*	*	*
Shortage of rain	26,265	*	*	*	*	-	-	*
Too much rain	90,123	6,039	1,868	*	*	*	*	*
Wild animals	7,035	257	*	*	*	-	-	-
Birds	25,178	1,843	*	*	*	*	*	*
Hailstone	54,166	10,582	7,278	*	*	-	*	*
Pests	22,481	*	*	*	*	*	*	*
Weeds	64,404	5,648	*	*	*	*	*	*
Others	139,734	18,688	9,566	*	1,405	*	*	*

Table 2.4.6 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

North Shewa

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	186,536	37,840	17,642	1,563	*	*	528	*
Crop disease	*	*	*	-	-	-	-	-
Frost or floods	16,859	2,054	646	*	-	*	-	*
Locust	19,038	1,714	*	*	*	*	*	*
Shortage of rain	6,987	*	*	*	-	-	*	*
Too much rain	48,064	4,890	1,739	664	*	*	*	*
Wild animals	*	*	*	-	*	*	-	-
Birds	17,911	1,823	1,057	*	-	*	*	-
Hailstone	39,591	*	*	*	*	*	*	*
Pests	8,113	853	645	*	-	*	-	-
Weeds	83,265	8,875	3,144	*	*	*	168	*
Others	56,123	5,770	2,223	*	*	*	*	*

Table 2.4.7 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

East Shewa

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	132,843	32,401	16,128	7,731	*	*	*	*
Crop disease	1,825	*	-	*	-	-	*	-
Frost or floods	16,330	2,114	1,462	*	-	-	-	-
Locust	1,721	*	*	*	-	-	-	-
Shortage of rain	7,535	*	*	*	-	-	*	*
Too much rain	33,760	6,937	2,805	1,457	*	-	*	*
Wild animals	1,728	*	*	-	*	-	*	-
Birds	14,104	2,498	1,086	*	-	-	-	*
Hailstone	37,444	7,750	5,085	926	-	-	*	*
Pests	15,274	2,137	927	394	-	*	-	*
Weeds	26,525	*	1,457	*	*	-	-	*
Others	40,036	5,397	2,793	1,019	*	*	*	*

Table 2.4.8 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Arsi

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	322,315	67,935	36,464	5,722	3,061	*	*	1,271
Crop disease	*	*	*	*	*	-	*	-
Frost or floods	106,346	15,873	7,734	998	*	*	*	215
Locust	*	*	*	*	-	-	-	*
Shortage of rain	6,086	*	*	*	-	-	-	-
Too much rain	60,703	6,428	3,216	*	*	*	*	*
Wild animals	*	*	-	*	*	-	-	-
Birds	20,521	2,797	1,082	*	*	*	-	*
Hailstone	78,314	*	*	580	*	*	*	*
Pests	42,978	5,836	3,468	603	*	-	-	*
Weeds	95,733	10,462	5,148	849	*	*	*	*
Others	60,630	5,524	3,059	816	*	*	*	*

Table 2.4.9 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

West Harerge

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	261,018	43,605	14,235	2,830	994	642	895	4,852
Crop disease	*	*	*	*	*	-	-	*
Frost or floods	17,578	898	*	*	*	*	*	*
Locust	36,257	*	645	*	*	*	*	*
Shortage of rain	13,978	*	*	*	*	-	*	*
Too much rain	115,200	8,344	2,937	147	393	*	*	1,112
Wild animals	4,424	266	*	-	-	*	*	*
Birds	26,709	3,040	654	*	*	*	*	*
Hailstone	147,054	19,953	7,047	1,046	225	294	*	2,327
Pests	15,654	637	324	*	*	-	*	*
Weeds	63,939	4,278	1,298	373	*	*	*	242
Others	32,718	1,687	332	*	*	-	*	331

Table 2.4.10 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

East Harerge

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	349,130	53,542	16,428	1,373	2,440	*	2,779	7,450
Crop disease	*	*	*	-	-	-	-	-
Frost or floods	35,039	1,885	*	*	*	-	*	*
Locust	38,646	6,257	*	*	*	-	*	*
Shortage of rain	*	*	*	*	-	-	*	*
Too much rain	86,942	3,299	1,066	115	*	*	*	1,112
Wild animals	*	*	-	-	-	-	-	-
Birds	57,128	11,167	2,456	*	*	-	*	879
Hailstone	195,762	14,982	5,198	543	701	*	*	2,689
Pests	7,766	*	*	*	*	-	*	*
Weeds	69,827	6,299	2,519	*	*	*	*	956
Others	93,036	8,586	1,959	210	*	-	*	757

Table 2.4.11 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Bale

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	151,008	44,603	13,333	1,853	1,525	*	*	4,290
Crop disease	*	*	*	-	-	-	-	*
Frost or floods	24,656	3,287	1,336	*	*	*	*	*
Locust	*	*	-	-	-	-	-	-
Shortage of rain	2,751	193	*	*	-	-	-	*
Too much rain	15,816	1,492	453	*	-	*	*	*
Wild animals	*	*	*	*	-	-	-	-
Birds	20,426	3,567	948	*	*	*	*	*
Hailstone	57,067	21,890	6,055	*	*	-	*	1,735
Pests	*	*	*	-	-	-	-	*
Weeds	44,126	9,291	*	*	*	-	*	*
Others	34,349	3,168	588	*	*	*	*	*

Table 2.4.12 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Borena

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	64,177	8,320	1,923	391	*	*	*	3,272
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	10,103	*	*	*	*	*	*	141
Locust	-	-	-	-	-	-	-	-
Shortage of rain	*	*	-	*	-	-	-	-
Too much rain	16,849	891	*	-	*	*	*	564
Wild animals	*	*	-	-	-	*	-	-
Birds	3,914	*	*	*	*	*	-	*
Hailstone	17,627	1,928	*	*	-	*	*	*
Pests	*	*	-	*	-	-	-	*
Weeds	12,558	*	*	*	-	*	*	*
Others	21,400	*	*	*	-	-	*	*

Table 2.4.13 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

South West Shewa

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	191,855	30,507	11,835	10,151	*	567	*	479
Crop disease	5,248	*	*	*	-	*	-	*
Frost or floods	48,855	4,088	2,039	829	*	*	*	*
Locust	8,431	*	*	*	*	-	*	-
Shortage of rain	13,010	1,107	153	*	*	*	-	-
Too much rain	39,713	*	*	*	*	*	*	*
Wild animals	*	*	-	*	-	-	-	*
Birds	24,611	2,027	629	668	*	*	*	*
Hailstone	50,688	5,924	2,647	1,873	*	*	*	*
Pests	13,945	*	*	*	*	*	-	*
Weeds	54,309	6,307	2,595	*	*	*	*	*
Others	78,915	5,590	1,921	1,509	*	*	*	*

Table 2.4.14 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Guji

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	86,877	14,022	4,270	979	-	893	*	3,825
Crop disease	*	*	-	-	-	-	-	*
Frost or floods	2,691	*	*	*	-	*	-	*
Locust	*	*	-	*	-	-	-	*
Shortage of rain	*	*	*	*	-	*	-	*
Too much rain	36,568	4,293	*	*	-	*	*	1,634
Wild animals	*	*	-	-	-	-	-	*
Birds	*	*	*	-	-	*	-	*
Hailstone	13,496	*	*	*	-	*	-	*
Pests	*	*	*	-	-	-	-	-
Weeds	14,832	1,220	146	*	-	*	-	418
Others	25,866	3,106	1,402	*	-	*	-	914

Table 2.4.15 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Kelem

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	98,943	13,588	2,687	1,617	597	777	*	5,042
Crop disease	*	*	*	*	-	*	*	*
Frost or floods	35,160	2,516	569	268	48	*	*	1,069
Locust	3,832	*	*	*	*	*	-	*
Shortage of rain	4,993	293	*	*	*	*	-	*
Too much rain	48,575	3,796	562	455	125	80	*	1,533
Wild animals	2,777	*	*	*	*	*	*	*
Birds	10,411	744	*	*	*	*	*	141
Hailstone	10,002	*	*	*	*	*	-	*
Pests	7,766	479	141	*	-	*	-	*
Weeds	12,587	981	*	*	*	176	-	171
Others	45,509	3,050	722	226	164	196	*	1,061

Table 2.4.16 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Horoguduru

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	71,980	18,400	7,009	1,178	4,173	*	*	740
Crop disease	2,088	*	*	*	*	*	-	*
Frost or floods	15,702	1,658	820	*	*	*	-	*
Locust	2,713	125	*	-	109	-	*	*
Shortage of rain	2,816	111	*	-	*	-	*	-
Too much rain	25,768	1,886	816	199	*	*	*	*
Wild animals	2,541	41	*	-	*	-	-	*
Birds	11,294	1,470	378	*	183	*	*	*
Hailstone	8,560	766	353	*	*	*	*	*
Pests	12,512	1,204	470	*	299	*	*	*
Weeds	19,382	1,583	399	*	676	*	*	*
Others	45,118	9,420	3,651	583	2,104	*	*	402

Table 2.4.117 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

West Arsi

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	222,008	40,577	15,924	3,176	*	846	1,197	1,739
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	44,409	10,125	3,187	*	*	*	*	*
Locust	8,598	*	*	*	-	-	-	*
Shortage of rain	11,265	*	*	-	-	-	*	*
Too much rain	70,993	7,699	*	*	-	*	*	*
Wild animals	*	*	*	-	-	-	-	-
Birds	11,677	1,175	324	*	*	*	*	-
Hailstone	36,488	*	1,603	*	*	*	*	*
Pests	27,091	2,541	1,066	*	*	*	*	*
Weeds	33,204	4,638	*	*	*	*	*	*
Others	71,054	9,418	3,223	*	*	182	*	*

Table 2.5 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Somalie

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	67,092	21,250	8,148	*	*	*	271	559
Crop disease	*	*	*	-	-	-	*	*
Frost or floods	*	*	*	-	-	-	-	*
Locust	-	-	-	-	-	-	-	-
Shortage of rain	12,398	3,551	1,108	-	*	*	*	*
Too much rain	1,453	145	*	-	*	-	-	*
Wild animals	5,404	759	97	-	*	-	*	*
Birds	14,092	1,414	450	*	-	-	*	*
Hailstone	34,457	13,866	6,223	*	-	*	*	*
Pests	1,715	198	*	-	*	-	*	*
Weeds	7,095	646	55	*	-	*	*	*
Others	2,685	*	*	*	-	-	*	*

Table 3.5.1 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Shinlele

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	4,781	855	*	*	*	*	35	*
Crop disease	*	*	*	-	-	-	*	*
Frost or floods	177	*	*	-	-	-	-	*
Locust	-	-	-	-	-	-	-	-
Shortage of rain	*	*	*	-	-	-	*	*
Too much rain	*	*	*	-	*	-	-	*
Wild animals	341	*	*	-	-	-	-	-
Birds	*	*	*	-	-	-	*	*
Hailstone	2,329	306	*	*	-	*	*	*
Pests	*	*	*	-	-	-	*	*
Weeds	1,554	*	*	-	-	-	*	*
Others	*	*	-	-	-	-	*	*

Table 2.5.2 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Jijiga

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	51,632	19,715	7,882	*	*	*	236	406
Crop disease	*	*	-	-	-	-	-	-
Frost or floods	-	-	-	-	-	-	-	-
Locust	-	-	-	-	-	-	-	-
Shortage of rain	11,798	3,475	1,090	-	*	*	*	*
Too much rain	788	*	*	-	-	-	-	-
Wild animals	5,063	739	*	-	*	-	*	*
Birds	6,661	1,090	*	*	-	-	-	-
Hailstone	31,574	13,547	6,130	*	-	*	*	*
Pests	*	*	*	-	*	-	-	*
Weeds	4,801	399	52	*	-	*	*	*
Others	*	*	*	-	-	-	-	-

Table 2.5.3 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Liben

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	10,679	680	*	*	-	-	-	*
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	*	*	*	-	-	-	-	-
Locust	-	-	-	-	-	-	-	-
Shortage of rain	-	-	-	-	-	-	-	-
Too much rain	*	*	-	-	-	-	-	-
Wild animals	-	-	-	-	-	-	-	-
Birds	6,968	297	*	*	-	-	-	*
Hailstone	*	*	*	*	-	-	-	-
Pests	*	*	*	-	-	-	-	-
Weeds	*	*	-	*	-	-	-	-
Others	*	*	*	*	-	-	-	-

Table 2.6 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Benishangul – Gumuz Region

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	158,006	25,654	7,754	1,485	5,619	1,207	1,137	1,554
Crop disease	9,253	*	*	*	*	*	*	*
Frost or floods	35,328	3,280	1,185	33	1,164	66	*	118
Locust	11,430	1,281	*	*	199	*	*	105
Shortage of rain	12,571	*	*	*	*	*	*	*
Too much rain	31,458	829	265	*	209	119	*	34
Wild animals	13,268	*	*	*	*	*	*	*
Birds	48,063	7,491	2,961	479	1,595	*	95	315
Hailstone	9,489	1,013	233	*	*	*	*	*
Pests	6,951	429	*	*	*	*	*	*
Weeds	33,982	2,098	542	118	450	*	163	*
Others	61,572	5,943	1,380	372	1,257	222	430	453

Table 2.6.1 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Metekel

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	64,880	15,390	5,549	817	3,893	772	*	443
Crop disease	*	*	*	-	*	*	*	-
Frost or floods	16,354	2,245	*	*	*	*	*	*
Locust	7,363	954	*	*	*	*	*	*
Shortage of rain	4,617	*	*	*	*	*	*	*
Too much rain	5,436	165	*	*	*	*	*	*
Wild animals	6,289	*	*	*	*	*	*	*
Birds	19,348	4,847	2,261	156	1,108	*	*	*
Hailstone	3,042	*	165	-	*	*	*	*
Pests	3,400	282	*	-	*	*	*	*
Weeds	10,664	1,072	246	*	*	*	*	*
Others	25,813	3,382	981	*	852	162	*	*

Table 2.6.2 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Asosa

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	69,691	6,928	1,496	467	983	*	*	780
Crop disease	*	*	*	*	*	*	*	*
Frost or floods	13,299	600	148	*	195	*	-	*
Locust	2,902	*	*	-	*	*	-	*
Shortage of rain	*	*	*	*	*	*	*	*
Too much rain	17,718	213	*	11	36	*	-	*
Wild animals	6,154	*	*	*	*	*	*	*
Birds	21,754	1,813	561	*	344	*	*	125
Hailstone	4,377	233	*	*	*	-	-	*
Pests	3,014	122	*	*	*	-	*	*
Weeds	19,852	673	198	*	*	-	*	*
Others	27,935	1,559	279	*	169	*	*	*

Table 2.6.3 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Kemashi

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	15,805	2,696	507	*	707	*	*	*
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	3,448	284	67	*	145	*	*	*
Locust	*	*	*	-	*	-	*	*
Shortage of rain	*	*	-	-	-	*	-	-
Too much rain	4,313	343	127	*	*	*	*	*
Wild animals	*	*	*	-	*	-	-	-
Birds	4,954	675	100	*	141	*	*	*
Hailstone	*	*	*	-	*	*	*	-
Pests	*	*	*	-	-	*	-	-
Weeds	2,424	292	*	*	*	*	*	*
Others	6,741	*	103	*	*	*	*	*

Table 2.6.4 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Mao Komo Zone

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	7,630	640	202	36	36	*	24	124
Crop disease	*	*	*	*	*	-	-	-
Frost or floods	2,227	151	29	*	*	*	*	26
Locust	*	*	*	*	*	-	*	-
Shortage of rain	-	-	-	-	-	-	-	-
Too much rain	3,991	108	40	*	*	*	*	16
Wild animals	515	*	*	*	*	*	*	*
Birds	2,008	156	39	*	*	*	*	*
Hailstone	438	31	*	*	*	-	-	*
Pests	*	*	*	-	*	*	-	*
Weeds	1,042	60	*	-	-	*	*	*
Others	1,082	55	*	*	*	*	*	*

Table 2.7 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

S.N.N.P. Region

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	2,227,723	169,463	59,308	15,887	1,368	5,080	7,727	24,228
Crop disease	144,052	4,011	764	*	*	*	211	1,448
Frost or floods	681,265	40,034	14,591	5,731	199	820	1,778	3,865
Locust	123,645	5,000	2,059	*	*	*	*	616
Shortage of rain	161,601	7,404	2,469	421	*	214	379	1,277
Too much rain	893,187	32,582	9,079	2,667	61	1,174	2,297	7,363
Wild animals	42,323	1,587	456	*	-	*	*	118
Birds	170,016	8,098	3,158	748	*	*	306	789
Hailstone	515,608	28,143	10,505	2,323	212	1,118	1,001	3,188
Pests	124,011	6,605	3,406	226	*	194	*	364
Weeds	229,398	7,512	2,195	812	53	172	247	1,522
Others	634,115	28,488	10,626	2,097	*	846	894	3,678

Table 2.7.1 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Gurage

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	197,634	11,419	4,280	*	*	1,068	68	1,106
Crop disease	*	*	*	*	-	*	*	*
Frost or floods	54,713	*	*	*	-	*	*	*
Locust	*	*	*	*	-	*	*	*
Shortage of rain	*	*	*	*	-	*	*	*
Too much rain	75,107	2,380	638	*	-	*	*	201
Wild animals	2,629	10	*	*	-	-	-	*
Birds	19,600	643	*	*	-	*	-	*
Hailstone	31,563	1,509	*	*	-	*	*	*
Pests	15,831	806	*	*	-	-	*	*
Weeds	31,348	880	246	*	-	*	*	*
Others	64,517	1,845	771	*	*	*	*	171

Table 2.7.2 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Hadiya

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	186,706	13,602	5,847	559	*	201	308	1,769
Crop disease	*	*	*	*	-	-	*	*
Frost or floods	27,176	1,154	588	*	*	-	*	*
Locust	*	*	*	-	*	-	*	-
Shortage of rain	44,618	1,308	310	*	*	*	*	*
Too much rain	55,635	1,448	750	*	*	*	*	212
Wild animals	2,989	*	*	-	-	-	-	-
Birds	7,603	*	*	*	*	-	*	*
Hailstone	48,300	2,006	824	*	*	*	*	*
Pests	8,187	775	*	*	-	-	*	*
Weeds	13,500	*	*	*	*	*	-	*
Others	91,256	5,574	2,602	*	*	114	104	650

Table 2.7.3 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Kembata - Tembaro

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	88,661	4,383	1,454	159	-	*	225	627
Crop disease	*	*	*	-	-	-	-	-
Frost or floods	15,774	*	*	*	-	*	37	*
Locust	*	*	*	*	-	*	-	*
Shortage of rain	12,283	*	*	*	-	*	*	*
Too much rain	27,315	470	124	*	-	*	*	43
Wild animals	803	*	-	-	-	-	-	*
Birds	*	*	*	*	-	-	*	*
Hailstone	32,486	1,004	246	25	-	*	*	*
Pests	3,076	197	*	-	-	*	*	*
Weeds	2,778	6	*	-	-	-	-	*
Others	46,415	1,508	454	53	-	*	72	195

Table 2.7.4 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Sidama

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	465,572	16,496	2,473	*	-	264	1,171	6,356
Crop disease	*	*	*	*	-	*	*	*
Frost or floods	122,776	1,950	*	*	-	*	*	601
Locust	42,292	*	*	*	-	-	*	*
Shortage of rain	*	*	-	-	-	-	*	*
Too much rain	194,250	4,705	630	*	-	*	*	1,891
Wild animals	-	-	-	-	-	-	-	-
Birds	25,837	506	*	*	-	*	*	*
Hailstone	89,798	*	*	*	-	*	*	*
Pests	17,759	304	*	*	-	*	*	*
Weeds	50,657	918	*	*	-	-	*	430
Others	108,208	2,486	195	*	-	*	*	*

Table 2.7.5 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Gedio

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	115,768	5,554	457	309	*	305	325	3,087
Crop disease	13,653	*	*	-	-	*	*	*
Frost or floods	14,059	461	*	*	*	*	*	231
Locust	*	*	*	-	-	*	*	*
Shortage of rain	*	*	-	-	-	-	-	*
Too much rain	76,472	3,529	198	*	-	137	205	2,325
Wild animals	*	*	-	-	-	-	-	*
Birds	2,029	*	*	*	-	*	-	*
Hailstone	2,451	*	-	-	-	*	-	*
Pests	*	*	-	-	-	*	*	*
Weeds	19,587	*	*	*	*	*	*	177
Others	7,913	140	*	-	-	-	*	58

Table 2.7.6 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Wolayita

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	223,479	14,120	2,460	2,311	-	*	736	2,049
Crop disease	*	*	*	*	-	*	*	*
Frost or floods	94,664	5,966	697	1,182	-	-	281	906
Locust	14,406	222	*	*	-	-	*	37
Shortage of rain	21,708	427	20	*	-	*	5	81
Too much rain	75,136	999	120	*	-	*	*	179
Wild animals	7,700	97	*	*	-	-	*	*
Birds	7,192	214	*	*	-	-	*	*
Hailstone	88,179	2,748	350	398	-	*	*	580
Pests	13,868	362	151	*	-	*	*	*
Weeds	12,707	208	*	*	-	-	*	*
Others	74,822	2,854	984	347	-	*	114	161

Table 2.7.7 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

South Omo

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	87,838	11,675	3,868	1,616	111	*	305	365
Crop disease	*	*	*	*	-	*	*	*
Frost or floods	32,801	2,504	795	553	*	*	123	*
Locust	*	*	*	-	-	-	-	-
Shortage of rain	*	*	*	-	*	-	*	-
Too much rain	33,211	*	*	*	*	*	*	54
Wild animals	921	*	*	*	-	-	-	-
Birds	9,620	*	*	*	*	*	*	*
Hailstone	15,332	*	791	*	*	-	*	-
Pests	1,180	*	*	-	-	-	-	-
Weeds	10,930	*	*	*	*	-	-	*
Others	13,348	1,447	*	*	*	*	*	*

Table 2.7.8 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Sheka

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	29,979	2,054	173	151	-	45	124	723
Crop disease	*	*	*	*	-	*	-	*
Frost or floods	13,163	660	*	*	-	*	58	133
Locust	-	-	-	-	-	-	-	-
Shortage of rain	*	*	*	-	-	-	-	*
Too much rain	11,337	511	30	*	-	*	*	354
Wild animals	*	*	-	*	-	*	*	*
Birds	3,289	140	*	*	-	*	*	76
Hailstone	*	*	*	-	-	-	*	*
Pests	*	*	*	-	-	-	-	*
Weeds	4,595	132	*	*	-	*	-	*
Others	6,517	260	33	*	-	*	*	69

Table 2.7.9 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Keffa

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	149,981	19,683	6,965	4,067	*	*	215	2,539
Crop disease	*	*	*	*	-	-	*	*
Frost or floods	75,152	7,105	2,465	1,854	*	*	*	671
Locust	*	*	*	*	-	-	-	*
Shortage of rain	7,143	*	*	*	-	*	*	*
Too much rain	85,487	4,397	1,685	705	-	82	17	471
Wild animals	10,105	*	*	*	-	*	*	*
Birds	22,118	1,099	430	*	*	-	*	136
Hailstone	13,353	1,053	*	*	-	*	*	*
Pests	5,386	240	134	*	-	*	-	*
Weeds	14,793	620	262	*	-	-	*	*
Others	46,781	3,803	1,392	740	*	*	*	608

Table 2.7.10 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Gamo Gofa

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	248,069	24,577	9,610	1,232	*	*	2,689	2,106
Crop disease	*	*	*	-	-	-	*	*
Frost or floods	125,948	8,962	4,334	*	*	*	920	239
Locust	*	*	*	-	-	-	-	*
Shortage of rain	*	369	*	*	*	-	*	-
Too much rain	95,719	4,179	950	*	*	*	667	927
Wild animals	6,902	*	*	*	-	*	*	-
Birds	26,885	*	*	*	*	-	*	*
Hailstone	60,753	3,036	1,063	*	*	*	67	*
Pests	21,002	1,383	597	*	*	-	*	*
Weeds	20,191	721	165	*	*	-	*	*
Others	71,939	3,384	1,417	*	-	*	224	207

Table 2.7.11 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Bench - Maji

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	56,874	3,191	964	344	*	214	406	622
Crop disease	*	*	*	*	-	*	*	*
Frost or floods	16,105	797	215	100	*	51	*	*
Locust	*	*	*	-	-	-	-	-
Shortage of rain	784	*	*	-	-	-	*	*
Too much rain	29,285	727	222	43	-	54	154	116
Wild animals	773	*	*	-	-	-	-	*
Birds	9,016	413	*	*	-	*	*	56
Hailstone	2,262	96	32	*	-	-	*	*
Pests	*	*	*	*	-	-	*	*
Weeds	7,503	137	*	*	-	*	*	*
Others	17,047	883	191	139	-	43	*	215

Table 2.7.12 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Yem Special Wereda

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	15,365	1,316	617	109	*	*	34	81
Crop disease	1,476	*	*	-	*	-	*	*
Frost or floods	3,536	250	112	*	-	*	*	17
Locust	*	*	*	-	-	-	-	*
Shortage of rain	*	*	*	*	*	*	*	*
Too much rain	9,374	259	146	15	*	*	14	16
Wild animals	443	11	*	-	-	-	-	*
Birds	449	18	*	-	-	-	*	-
Hailstone	2,790	146	56	*	*	*	*	*
Pests	655	37	*	*	-	*	*	*
Weeds	1,133	40	*	-	*	-	-	*
Others	6,296	458	227	*	*	*	*	*

Table 2.7.13 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Amaro Special Wereda

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	24,965	1,269	418	168	-	*	20	251
Crop disease	*	*	*	*	-	*	*	*
Frost or floods	7,904	331	94	*	-	*	*	*
Locust	-	-	-	-	-	-	-	-
Shortage of rain	*	*	*	-	-	-	*	*
Too much rain	9,623	207	67	*	-	*	*	*
Wild animals	-	-	-	-	-	-	-	-
Birds	*	*	*	*	-	*	*	*
Hailstone	4,245	*	*	*	-	-	*	*
Pests	620	*	*	*	-	-	-	*
Weeds	*	*	*	*	-	-	*	*
Others	2,230	*	*	*	-	-	-	*

Table 2.7.14 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Burji Special Wereda

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	5,601	1,244	396	185	-	*	*	30
Crop disease	*	*	-	-	-	-	-	-
Frost or floods	2,985	819	233	140	-	*	*	*
Locust	-	-	-	-	-	-	-	-
Shortage of rain	*	*	*	-	-	-	-	-
Too much rain	1,777	265	*	*	-	-	-	*
Wild animals	*	*	*	*	-	-	-	*
Birds	381	43	*	*	-	-	-	*
Hailstone	936	55	18	*	-	*	-	*
Pests	*	*	*	-	-	-	-	*
Weeds	412	*	*	*	-	-	-	*
Others	660	19	*	*	-	-	-	*

Table 2.7.15 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Konso Special Wereda

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	26,573	3,584	*	266	-	*	*	*
Crop disease	*	*	*	*	-	-	*	*
Frost or floods	*	*	*	*	-	-	-	-
Locust	*	*	*	*	-	-	-	-
Shortage of rain	3,671	*	*	*	-	*	-	*
Too much rain	*	*	*	*	-	-	*	*
Wild animals	*	*	-	-	-	-	-	-
Birds	*	*	*	-	-	-	-	-
Hailstone	10,266	*	*	*	-	-	-	*
Pests	*	*	*	-	-	*	*	-
Weeds	5,895	449	*	*	-	-	-	*
Others	*	*	*	*	-	-	-	*

Table 2.7.16 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Derashe Special Wereda

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	19,717	2,410	1,176	*	-	*	62	143
Crop disease	*	*	-	-	-	-	-	*
Frost or floods	6,200	584	288	*	-	*	*	*
Locust	-	-	-	-	-	-	-	-
Shortage of rain	*	*	*	*	-	-	*	*
Too much rain	5,631	*	203	*	-	*	-	*
Wild animals	*	*	*	-	-	-	*	-
Birds	652	*	*	-	-	-	-	-
Hailstone	5,507	*	*	*	-	*	-	*
Pests	*	*	*	-	-	-	*	*
Weeds	3,899	*	*	*	-	*	*	*
Others	2,954	*	*	*	-	-	*	-

Table 2.7.17 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Dawro

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	56,640	5,812	2,037	476	*	*	559	1,228
Crop disease	*	*	*	*	-	-	*	*
Frost or floods	10,047	804	*	*	*	*	*	66
Locust	532	*	-	-	-	*	-	*
Shortage of rain	5,372	*	*	*	-	*	*	*
Too much rain	39,997	1,472	381	166	*	13	141	373
Wild animals	1,278	*	*	*	-	-	-	*
Birds	6,385	296	*	*	*	-	*	*
Hailstone	12,743	1,232	*	*	*	*	*	214
Pests	3,098	93	38	-	-	-	*	*
Weeds	4,146	132	37	*	*	*	*	*
Others	10,812	595	206	79	-	*	18	158

Table 2.7.18 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage
Basketo Special Wereda

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	15,104	1,187	402	41	-	*	114	81
Crop disease	449	*	-	*	-	-	*	*
Frost or floods	9,127	463	105	*	-	-	*	28
Locust	*	*	-	-	-	-	-	*
Shortage of rain	3,463	86	*	*	-	-	*	*
Too much rain	5,062	*	*	*	-	*	*	17
Wild animals	363	*	-	-	-	-	*	*
Birds	1,532	44	6	*	-	-	*	*
Hailstone	1,419	*	*	*	-	-	*	*
Pests	500	*	*	-	-	-	*	*
Weeds	843	12	4	-	-	-	*	*
Others	2,789	90	10	3	-	-	*	*

Table 2.7.19 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage
Konta Special Wereda

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	24,961	2,809	906	217	*	*	125	472
Crop disease	*	*	-	*	-	-	*	*
Frost or floods	12,516	1,280	412	*	*	*	*	210
Locust	*	*	*	*	-	-	-	*
Shortage of rain	*	*	*	-	-	-	-	*
Too much rain	13,695	388	123	46	-	*	*	89
Wild animals	825	28	*	*	-	-	-	*
Birds	5,742	321	91	*	*	-	*	*
Hailstone	4,484	264	103	*	-	*	*	*
Pests	960	*	*	*	-	-	*	*
Weeds	6,416	212	76	*	-	*	*	*
Others	4,250	170	43	*	-	-	*	26

Table 2.7.20 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage
Silitie

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	144,048	14,759	8,459	720	*	1,106	-	*
Crop disease	*	*	*	-	-	-	-	*
Frost or floods	26,410	*	*	*	*	*	-	*
Locust	19,090	*	*	*	-	*	-	-
Shortage of rain	20,110	*	*	*	*	*	-	*
Too much rain	38,590	1,599	791	*	-	*	-	*
Wild animals	2,922	*	*	-	-	-	-	*
Birds	10,522	433	271	-	-	*	-	*
Hailstone	63,475	4,403	2,625	*	*	299	-	*
Pests	11,815	827	457	*	-	*	-	-
Weeds	13,364	333	227	*	-	*	-	*
Others	43,644	2,032	1,026	*	*	96	-	*

Table 2.7.21 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Alaba Special Wereda

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	44,188	8,318	5,172	450	139	509	*	*
Crop disease	*	*	*	*	-	-	-	-
Frost or floods	8,545	845	*	*	*	33	*	-
Locust	*	*	*	*	*	*	-	*
Shortage of rain	5,953	*	*	*	*	*	-	-
Too much rain	3,027	248	*	-	*	*	-	-
Wild animals	*	*	*	-	-	-	-	-
Birds	3,618	280	197	*	-	*	*	*
Hailstone	24,483	3,053	1,836	193	*	*	*	*
Pests	9,050	*	*	*	*	*	-	-
Weeds	1,420	*	*	*	-	-	-	-
Others	10,069	585	281	*	*	*	-	*

Table 2.8 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Gambella Region

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	20,841	1,410	436	*	*	39	*	432
Crop disease	729	37	*	-	-	-	-	*
Frost or floods	4,235	233	71	-	-	*	*	*
Locust	*	*	*	-	-	*	*	-
Shortage of rain	754	*	*	-	*	*	*	*
Too much rain	5,365	293	89	*	*	9	*	121
Wild animals	*	*	*	-	-	-	*	*
Birds	4,263	222	60	*	-	*	*	*
Hailstone	1,980	76	*	-	-	*	*	*
Pests	*	24	*	-	*	-	-	*
Weeds	5,233	306	*	*	*	*	*	42
Others	2,183	118	19	-	*	*	*	52

Table 2.8.1 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Agnuwak

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	4,406	245	*	-	*	*	*	*
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	612	*	*	-	-	*	*	*
Locust	-	-	-	-	-	-	-	-
Shortage of rain	*	*	*	-	*	-	*	*
Too much rain	*	*	*	-	*	*	*	*
Wild animals	*	*	*	-	-	-	*	-
Birds	*	*	*	-	-	*	*	*
Hailstone	1,410	*	*	-	-	*	*	*
Pests	*	*	*	-	*	-	-	-
Weeds	1,037	*	*	-	*	*	*	*
Others	373	*	-	-	*	*	*	*

Table 2.8.2 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Nuware

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	5,647	262	*	-	-	*	-	*
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	*	*	-	-	-	-	-	-
Locust	-	-	-	-	-	-	-	-
Shortage of rain	*	*	-	-	-	-	-	-
Too much rain	*	*	-	-	-	-	-	-
Wild animals	-	-	-	-	-	-	-	-
Birds	*	35	*	-	-	-	-	-
Hailstone	*	*	-	-	-	-	-	-
Pests	*	*	-	-	-	-	-	-
Weeds	2,570	154	*	-	-	*	-	*
Others	*	*	-	-	-	-	-	-

Table 2.8.3 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Mezhenger

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	8,537	784	187	*	-	22	*	384
Crop disease	*	*	*	-	-	-	-	*
Frost or floods	2,100	137	*	-	-	-	*	*
Locust	*	*	*	-	-	*	*	-
Shortage of rain	*	*	-	-	-	*	-	*
Too much rain	4,544	268	76	*	-	5	-	121
Wild animals	*	*	*	-	-	-	-	*
Birds	2,053	152	27	*	-	*	*	*
Hailstone	311	11	*	-	-	*	-	*
Pests	-	-	-	-	-	-	-	-
Weeds	1,444	73	*	*	-	*	*	*
Others	1,606	74	19	-	-	*	-	41

Table 3.8.4 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Itang Special

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	2,252	118	39	-	-	*	*	16
Crop disease	610	30	*	-	-	-	-	-
Frost or floods	*	41	20	-	-	*	*	8
Locust	-	-	-	-	-	-	-	-
Shortage of rain	*	*	*	-	-	-	-	-
Too much rain	-	-	-	-	-	-	-	-
Wild animals	-	-	-	-	-	-	-	-
Birds	236	13	*	-	-	-	*	*
Hailstone	179	8	-	-	-	*	-	*
Pests	*	*	*	-	-	-	-	*
Weeds	*	*	*	-	-	-	*	*
Others	*	*	*	-	-	-	-	-

Table 2.9 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Harari Region

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	8,973	731	163	-	*	-	*	218
Crop disease	506	*	*	-	-	-	-	*
Frost or floods	571	6	*	-	*	-	-	*
Locust	*	*	*	-	-	-	-	*
Shortage of rain	1,254	53	*	-	*	-	*	*
Too much rain	974	41	*	-	-	-	-	7
Wild animals	303	*	*	-	-	-	*	*
Birds	*	*	*	-	-	-	-	*
Hailstone	2,003	132	*	-	-	-	*	*
Pests	1,304	35	15	-	*	-	-	16
Weeds	1,991	84	*	-	*	-	*	21
Others	3,101	235	36	-	*	-	*	56

Table 2.10 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Dire Dawa

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	18,119	3,361	1,202	88	*	*	*	228
Crop disease	2,662	109	75	*	-	-	-	*
Frost or floods	774	20	*	*	-	*	-	*
Locust	-	-	-	-	-	-	-	-
Shortage of rain	5,036	1,161	557	*	-	-	-	*
Too much rain	4,985	214	15	*	*	*	*	14
Wild animals	410	8	*	-	-	-	*	-
Birds	*	*	*	-	-	-	-	-
Hailstone	6,956	1,017	231	*	*	*	*	*
Pests	2,547	169	88	*	-	-	-	*
Weeds	4,947	*	*	2	-	*	*	*
Others	2,798	164	51	*	-	-	*	*

Table 3. Number of Holders by Type of Farm practice

Ethiopia	
Farm Practice	Number of Holders Reporting
Crop rotation	11,808,344
Reasons for not participating in extension package	
Ignorance	1,141,984
Shortage of money	3,307,548
Suspicion on efficacy	705,773
Programs unavailable	987,944
Insufficient arable land	1,419,785
Others	904,502
Use of services	
Credit	3,231,051
Advisory	9,229,782
Reasons for not using credit service	
Service unavailable	1,536,928
Failure to pay the loan	4,274,262
Inadequate service	2,441,797
Ignorance	578,406
No return	351,810
Others	1,244,645
Reasons for not using advisory service	
Service unavailable	508,375
Inadequate service	1,799,872
Ignorance	1,043,584
No return	183,036
Others	475,160
Supplier of fertilizers	
Government	3,818,909
Private organizations	537,205
Traders	926,266
Others	2,229,360

Table 3.1 Number of Holders by Type of Farm practice

Tigray Region	
Farm Practice	Number of Holders Reporting
Crop rotation	921,818
Reasons for not participating in extension package	
Ignorance	71,132
Shortage of money	118,385
Suspicion on efficacy	40,843
Programs unavailable	12,835
Insufficient arable land	62,944
Others	37,093
Use of services	
Credit	500,405
Advisory	707,867
Reasons for not using credit service	
Service unavailable	12,873
Failure to pay the loan	237,865
Inadequate service	22,221
Ignorance	29,276
No return	7,736
Others	56,596
Reasons for not using advisory service	
Service unavailable	4,609
Inadequate service	32,805
Ignorance	57,628
No return	7,143
Others	30,004
Supplier of fertilizers	
Government	357,648
Private organizations	94,849
Traders	26,184
Others	199,622

Table 3.1.1 Number of Holders by Type of Farm practice

North West Tigray

Farm Practice	Number of Holders Reporting
Crop rotation	189,707
Reasons for not participating in extension package	
Ignorance	20,971
Shortage of money	37,121
Suspicion on efficacy	4,684
Programs unavailable	*
Insufficient arable land	13,143
Others	*
Use of services	
Credit	107,807
Advisory	136,146
Reasons for not using credit service	
Service unavailable	*
Failure to pay the loan	45,029
Inadequate service	4,172
Ignorance	10,288
No return	2,965
Others	6,429
Reasons for not using advisory service	
Service unavailable	*
Inadequate service	6,658
Ignorance	25,424
No return	*
Others	3,934
Supplier of fertilizers	
Government	79,407
Private organizations	48,317
Traders	6,388
Others	5,584

Table 3.1.2 Number of Holders by Type of Farm practice

Central Tigray

Farm Practice	Number of Holders Reporting
Crop rotation	276,279
Reasons for not participating in extension package	
Ignorance	18,676
Shortage of money	33,427
Suspicion on efficacy	11,003
Programs unavailable	*
Insufficient arable land	15,750
Others	*
Use of services	
Credit	155,963
Advisory	220,855
Reasons for not using credit service	
Service unavailable	*
Failure to pay the loan	67,873
Inadequate service	*
Ignorance	*
No return	*
Others	24,316
Reasons for not using advisory service	
Service unavailable	*
Inadequate service	*
Ignorance	7,327
No return	*
Others	6,432
Supplier of fertilizers	
Government	105,892
Private organizations	9,877
Traders	15,398
Others	102,274

Table 3.1.3 Number of Holders by Type of Farm practice

East Tigray

Farm Practice	Number of Holders Reporting
Crop rotation	147,728
Reasons for not participating in extension package	
Ignorance	3,130
Shortage of money	18,118
Suspicion on efficacy	*
Programs unavailable	*
Insufficient arable land	13,378
Others	8,964
Use of services	
Credit	93,637
Advisory	115,246
Reasons for not using credit service	
Service unavailable	*
Failure to pay the loan	33,973
Inadequate service	*
Ignorance	*
No return	*
Others	5,765
Reasons for not using advisory service	
Service unavailable	*
Inadequate service	*
Ignorance	3,758
No return	*
Others	6,189
Supplier of fertilizers	
Government	75,156
Private organizations	21,435
Traders	2,402
Others	28,684

Table 3.1.4 Number of Holders by Type of Farm practice

South Tigray

Farm Practice	Number of Holders Reporting
Crop rotation	213,539
Reasons for not participating in extension package	
Ignorance	14,002
Shortage of money	21,567
Suspicion on efficacy	13,740
Programs unavailable	*
Insufficient arable land	8,050
Others	5,714
Use of services	
Credit	116,953
Advisory	175,557
Reasons for not using credit service	
Service unavailable	-
Failure to pay the loan	65,119
Inadequate service	*
Ignorance	*
No return	1,252
Others	15,481
Reasons for not using advisory service	
Service unavailable	*
Inadequate service	*
Ignorance	8,874
No return	*
Others	11,948
Supplier of fertilizers	
Government	70,452
Private organizations	*
Traders	*
Others	62,843

Table 3.1.5 Number of Holders by Type of Farm practice

Western Tigray

Farm Practice	Number of Holders Reporting
Crop rotation	94,565
Reasons for not participating in extension package	
Ignorance	14,353
Shortage of money	8,152
Suspicion on efficacy	8,576
Programs unavailable	3,592
Insufficient arable land	12,624
Others	2,688
Use of services	
Credit	26,045
Advisory	60,064
Reasons for not using credit service	
Service unavailable	4,759
Failure to pay the loan	25,871
Inadequate service	*
Ignorance	10,511
No return	1,948
Others	4,605
Reasons for not using advisory service	
Service unavailable	1,264
Inadequate service	6,113
Ignorance	12,245
No return	800
Others	*
Supplier of fertilizers	
Government	26,741
Private organizations	*
Traders	*
Others	*

Table 3..2 Number of Holders by Type of Farm practice

Afar Region

Farm Practice	Number of Holders Reporting
Crop rotation	*
Reasons for not participating in extension package	
Ignorance	*
Shortage of money	*
Suspicion on efficacy	*
Programs unavailable	19,428
Insufficient arable land	-
Others	-
Use of services	
Credit	1,885
Advisory	37,227
Reasons for not using credit service	
Service unavailable	86,904
Failure to pay the loan	*
Inadequate service	*
Ignorance	*
No return	*
Others	*
Reasons for not using advisory service	
Service unavailable	63,921
Inadequate service	17,518
Ignorance	*
No return	*
Others	*
Supplier of fertilizers	
Government	-
Private organizations	-
Traders	-
Others	-

Table 3.2.1 Number of Holders by Type of Farm practice

Zone 1

Farm Practice	Number of Holders Reporting
Crop rotation	*
Reasons for not participating in extension package	
Ignorance	*
Shortage of money	*
Suspicion on efficacy	*
Programs unavailable	18,881
Insufficient arable land	-
Others	-
Use of services	
Credit	*
Advisory	24,951
Reasons for not using credit service	
Service unavailable	54,117
Failure to pay the loan	*
Inadequate service	*
Ignorance	*
No return	*
Others	*
Reasons for not using advisory service	
Service unavailable	39,630
Inadequate service	13,860
Ignorance	*
No return	*
Others	*
Supplier of fertilizers	
Government	-
Private organizations	-
Traders	-
Others	-

Table 3.2.2 Number of Holders by Type of Farm practice

Zone 3

Farm Practice	Number of Holders Reporting
Crop rotation	*
Reasons for not participating in extension package	
Ignorance	-
Shortage of money	-
Suspicion on efficacy	-
Programs unavailable	*
Insufficient arable land	-
Others	-
Use of services	
Credit	*
Advisory	12,276
Reasons for not using credit service	
Service unavailable	32,787
Failure to pay the loan	*
Inadequate service	*
Ignorance	*
No return	-
Others	-
Reasons for not using advisory service	
Service unavailable	24,291
Inadequate service	3,657
Ignorance	*
No return	-
Others	*
Supplier of fertilizers	
Government	-
Private organizations	-
Traders	-
Others	-

Table 3.3 Number of Holders by Type of Farm practice

Amhara Region	
Farm Practice	Number of Holders Reporting
Crop rotation	3,832,286
Reasons for not participating in extension package	
Ignorance	293,050
Shortage of money	670,837
Suspicion on efficacy	209,901
Programs unavailable	355,736
Insufficient arable land	207,605
Others	148,459
Use of services	
Credit	1,231,988
Advisory	2,951,795
Reasons for not using credit service	
Service unavailable	151,422
Failure to pay the loan	1,388,463
Inadequate service	210,255
Ignorance	150,007
No return	129,108
Others	502,309
Reasons for not using advisory service	
Service unavailable	68,066
Inadequate service	181,125
Ignorance	215,743
No return	32,104
Others	92,950
Supplier of fertilizers	
Government	1,028,009
Private organizations	98,245
Traders	128,602
Others	884,662

Table 3.3.1 Number of Holders by Type of Farm practice

North Gonder	
Farm Practice	Number of Holders Reporting
Crop rotation	635,090
Reasons for not participating in extension package	
Ignorance	38,722
Shortage of money	144,046
Suspicion on efficacy	38,619
Programs unavailable	79,199
Insufficient arable land	34,918
Others	18,106
Use of services	
Credit	163,436
Advisory	444,868
Reasons for not using credit service	
Service unavailable	84,829
Failure to pay the loan	243,694
Inadequate service	60,737
Ignorance	36,289
No return	13,946
Others	43,987
Reasons for not using advisory service	
Service unavailable	*
Inadequate service	34,705
Ignorance	57,410
No return	13,283
Others	15,145
Supplier of fertilizers	
Government	202,757
Private organizations	*
Traders	15,731
Others	*

Table 3.3.2 Number of Holders by Type of Farm practice

South Gonder	
Farm Practice	Number of Holders Reporting
Crop rotation	393,264
Reasons for not participating in extension package	
Ignorance	25,792
Shortage of money	115,778
Suspicion on efficacy	7,914
Programs unavailable	*
Insufficient arable land	*
Others	*
Use of services	
Credit	118,392
Advisory	322,045
Reasons for not using credit service	
Service unavailable	*
Failure to pay the loan	195,344
Inadequate service	22,343
Ignorance	10,470
No return	8,944
Others	35,990
Reasons for not using advisory service	
Service unavailable	*
Inadequate service	22,797
Ignorance	15,001
No return	*
Others	*
Supplier of fertilizers	
Government	153,035
Private organizations	7,831
Traders	28,959
Others	*

Table 3.3.3 Number of Holders by Type of Farm practice

North Wolo	
Farm Practice	Number of Holders Reporting
Crop rotation	343,923
Reasons for not participating in extension package	
Ignorance	36,631
Shortage of money	52,405
Suspicion on efficacy	40,044
Programs unavailable	42,744
Insufficient arable land	20,843
Others	23,298
Use of services	
Credit	117,409
Advisory	246,027
Reasons for not using credit service	
Service unavailable	3,898
Failure to pay the loan	126,908
Inadequate service	18,488
Ignorance	3,031
No return	25,042
Others	38,208
Reasons for not using advisory service	
Service unavailable	*
Inadequate service	*
Ignorance	11,916
No return	*
Others	7,886
Supplier of fertilizers	
Government	114,877
Private organizations	*
Traders	5,466
Others	*

Table 3.3.4 Number of Holders by Type of Farm practice

South Wolo	
Farm Practice	Number of Holders Reporting
Crop rotation	567,427
Reasons for not participating in extension package	
Ignorance	98,719
Shortage of money	115,867
Suspicion on efficacy	65,390
Programs unavailable	107,260
Insufficient arable land	34,682
Others	39,550
Use of services	
Credit	138,838
Advisory	492,449
Reasons for not using credit service	
Service unavailable	*
Failure to pay the loan	207,036
Inadequate service	35,336
Ignorance	14,519
No return	33,332
Others	134,352
Reasons for not using advisory service	
Service unavailable	3,187
Inadequate service	*
Ignorance	20,002
No return	*
Others	24,327
Supplier of fertilizers	
Government	202,189
Private organizations	*
Traders	18,605
Others	89,693

Table 3.3.5 Number of Holders by Type of Farm practice

North Shewa	
Farm Practice	Number of Holders Reporting
Crop rotation	429,718
Reasons for not participating in extension package	
Ignorance	21,104
Shortage of money	85,285
Suspicion on efficacy	18,346
Programs unavailable	*
Insufficient arable land	31,309
Others	18,704
Use of services	
Credit	157,145
Advisory	343,422
Reasons for not using credit service	
Service unavailable	5,919
Failure to pay the loan	176,893
Inadequate service	7,201
Ignorance	7,697
No return	13,304
Others	50,498
Reasons for not using advisory service	
Service unavailable	*
Inadequate service	20,222
Ignorance	14,741
No return	2,573
Others	8,639
Supplier of fertilizers	
Government	158,209
Private organizations	27,359
Traders	18,335
Others	25,209

Table 3.3.6 Number of Holders by Type of Farm practice

East Gojjam	
Farm Practice	Number of Holders Reporting
Crop rotation	582,673
Reasons for not participating in extension package	
Ignorance	28,175
Shortage of money	73,289
Suspicion on efficacy	*
Programs unavailable	*
Insufficient arable land	24,527
Others	10,972
Use of services	
Credit	212,966
Advisory	428,097
Reasons for not using credit service	
Service unavailable	*
Failure to pay the loan	188,381
Inadequate service	*
Ignorance	43,354
No return	14,288
Others	68,403
Reasons for not using advisory service	
Service unavailable	*
Inadequate service	27,879
Ignorance	58,005
No return	*
Others	13,419
Supplier of fertilizers	
Government	75,352
Private organizations	16,977
Traders	19,384
Others	290,155

Table 3.3.7 Number of Holders by Type of Farm practice

West Gojjam	
Farm Practice	Number of Holders Reporting
Crop rotation	479,210
Reasons for not participating in extension package	
Ignorance	5,496
Shortage of money	29,027
Suspicion on efficacy	*
Programs unavailable	*
Insufficient arable land	10,898
Others	5,798
Use of services	
Credit	196,831
Advisory	362,772
Reasons for not using credit service	
Service unavailable	*
Failure to pay the loan	114,163
Inadequate service	8,579
Ignorance	20,996
No return	4,908
Others	63,569
Reasons for not using advisory service	
Service unavailable	11,722
Inadequate service	26,202
Ignorance	19,138
No return	*
Others	6,956
Supplier of fertilizers	
Government	87,923
Private organizations	*
Traders	15,747
Others	328,377

Table 3.3.8 Number of Holders by Type of Farm practice

Waghamera	
Farm Practice	Number of Holders Reporting
Crop rotation	104,491
Reasons for not participating in extension package	
Ignorance	17,985
Shortage of money	19,090
Suspicion on efficacy	8,402
Programs unavailable	36,638
Insufficient arable land	3,702
Others	6,573
Use of services	
Credit	28,198
Advisory	77,189
Reasons for not using credit service	
Service unavailable	*
Failure to pay the loan	40,075
Inadequate service	17,360
Ignorance	3,180
No return	4,987
Others	6,716
Reasons for not using advisory service	
Service unavailable	*
Inadequate service	8,518
Ignorance	5,439
No return	*
Others	2,365
Supplier of fertilizers	
Government	*
Private organizations	-
Traders	*
Others	*

Table 3.3.9 Number of Holders by Type of Farm practice

Awi	
Farm Practice	Number of Holders Reporting
Crop rotation	220,122
Reasons for not participating in extension package	
Ignorance	*
Shortage of money	22,810
Suspicion on efficacy	*
Programs unavailable	*
Insufficient arable land	18,261
Others	7,752
Use of services	
Credit	87,451
Advisory	179,334
Reasons for not using credit service	
Service unavailable	2,831
Failure to pay the loan	67,440
Inadequate service	2,250
Ignorance	*
No return	4,713
Others	35,253
Reasons for not using advisory service	
Service unavailable	*
Inadequate service	*
Ignorance	5,880
No return	*
Others	5,454
Supplier of fertilizers	
Government	28,575
Private organizations	*
Traders	4,943
Others	125,556

Table 3.3.10 Number of Holders by Type of Farm practice

Oromia Zone	
Farm Practice	Number of Holders Reporting
Crop rotation	70,921
Reasons for not participating in extension package	
Ignorance	12,825
Shortage of money	12,791
Suspicion on efficacy	11,226
Programs unavailable	20,015
Insufficient arable land	14,205
Others	4,038
Use of services	
Credit	9,600
Advisory	51,173
Reasons for not using credit service	
Service unavailable	*
Failure to pay the loan	27,377
Inadequate service	14,054
Ignorance	*
No return	5,257
Others	24,959
Reasons for not using advisory service	
Service unavailable	*
Inadequate service	14,665
Ignorance	7,813
No return	*
Others	3,730
Supplier of fertilizers	
Government	4,196
Private organizations	*
Traders	-
Others	*

Table 3.3.11 Number of Holders by Type of Farm practice

Argoba Special	
Farm Practice	Number of Holders Reporting
Crop rotation	5,446
Reasons for not participating in extension package	
Ignorance	1,438
Shortage of money	449
Suspicion on efficacy	2,268
Programs unavailable	1,649
Insufficient arable land	205
Others	116
Use of services	
Credit	1,722
Advisory	4,420
Reasons for not using credit service	
Service unavailable	292
Failure to pay the loan	1,152
Inadequate service	2,321
Ignorance	305
No return	388
Others	375
Reasons for not using advisory service	
Service unavailable	210
Inadequate service	973
Ignorance	398
No return	323
Others	*
Supplier of fertilizers	
Government	388
Private organizations	-
Traders	-
Others	-

Table 3.4 Number of Holders by Type of Farm practice

Oromia Region	
Farm Practice	Number of Holders Reporting
Crop rotation	4,587,051
Reasons for not participating in extension package	
Ignorance	407,902
Shortage of money	1,562,684
Suspicion on efficacy	268,055
Programs unavailable	412,903
Insufficient arable land	549,438
Others	526,301
Use of services	
Credit	790,802
Advisory	3,467,989
Reasons for not using credit service	
Service unavailable	780,813
Failure to pay the loan	1,470,473
Inadequate service	1,392,476
Ignorance	205,253
No return	151,672
Others	540,728
Reasons for not using advisory service	
Service unavailable	200,363
Inadequate service	774,964
Ignorance	435,533
No return	89,652
Others	253,899
Supplier of fertilizers	
Government	1,181,178
Private organizations	228,544
Traders	314,604
Others	1,125,314

Table 3.4.1 Number of Holders by Type of Farm practice

West Welega

Farm Practice	Number of Holders Reporting
Crop rotation	251,183
Reasons for not participating in extension package	
Ignorance	*
Shortage of money	133,030
Suspicion on efficacy	20,425
Programs unavailable	1,606
Insufficient arable land	22,022
Others	13,376
Use of services	
Credit	41,873
Advisory	177,848
Reasons for not using credit service	
Service unavailable	36,458
Failure to pay the loan	107,808
Inadequate service	45,936
Ignorance	8,412
No return	6,484
Others	15,977
Reasons for not using advisory service	
Service unavailable	*
Inadequate service	20,822
Ignorance	30,530
No return	10,709
Others	11,651
Supplier of fertilizers	
Government	35,789
Private organizations	*
Traders	8,721
Others	76,817

Table 3.4.2 Number of Holders by Type of Farm practice

East Welega	
Farm Practice	Number of Holders Reporting
Crop rotation	209,873
Reasons for not participating in extension package	
Ignorance	11,548
Shortage of money	80,742
Suspicion on efficacy	12,956
Programs unavailable	*
Insufficient arable land	21,081
Others	6,696
Use of services	
Credit	34,406
Advisory	117,903
Reasons for not using credit service	
Service unavailable	28,168
Failure to pay the loan	91,028
Inadequate service	23,045
Ignorance	5,577
No return	13,138
Others	22,673
Reasons for not using advisory service	
Service unavailable	*
Inadequate service	24,163
Ignorance	31,847
No return	13,039
Others	17,485
Supplier of fertilizers	
Government	*
Private organizations	*
Traders	6,285
Others	107,441

Table 3.4.3 Number of Holders by Type of Farm practice

Illubabor	
Farm Practice	Number of Holders Reporting
Crop rotation	250,909
Reasons for not participating in extension package	
Ignorance	*
Shortage of money	128,570
Suspicion on efficacy	15,673
Programs unavailable	3,632
Insufficient arable land	25,715
Others	12,687
Use of services	
Credit	27,471
Advisory	218,156
Reasons for not using credit service	
Service unavailable	57,201
Failure to pay the loan	100,075
Inadequate service	64,822
Ignorance	3,637
No return	5,763
Others	18,211
Reasons for not using advisory service	
Service unavailable	*
Inadequate service	19,991
Ignorance	*
No return	*
Others	10,233
Supplier of fertilizers	
Government	98,582
Private organizations	*
Traders	*
Others	*

Table 3.4.4 Number of Holders by Type of Farm practice

Jimma	
Farm Practice	Number of Holders Reporting
Crop rotation	531,508
Reasons for not participating in extension package	
Ignorance	34,471
Shortage of money	184,650
Suspicion on efficacy	34,790
Programs unavailable	*
Insufficient arable land	61,631
Others	36,144
Use of services	
Credit	48,422
Advisory	397,629
Reasons for not using credit service	
Service unavailable	126,344
Failure to pay the loan	182,112
Inadequate service	102,024
Ignorance	16,362
No return	8,938
Others	58,581
Reasons for not using advisory service	
Service unavailable	5,410
Inadequate service	84,369
Ignorance	29,286
No return	2,551
Others	17,502
Supplier of fertilizers	
Government	284,846
Private organizations	*
Traders	18,994
Others	*

Table 3.4.5 Number of Holders by Type of Farm practice

West Shewa	
Farm Practice	Number of Holders Reporting
Crop rotation	465,720
Reasons for not participating in extension package	
Ignorance	36,974
Shortage of money	121,783
Suspicion on efficacy	23,181
Programs unavailable	27,898
Insufficient arable land	75,210
Others	59,124
Use of services	
Credit	84,841
Advisory	297,881
Reasons for not using credit service	
Service unavailable	52,111
Failure to pay the loan	150,262
Inadequate service	91,014
Ignorance	33,474
No return	23,313
Others	42,839
Reasons for not using advisory service	
Service unavailable	28,513
Inadequate service	57,666
Ignorance	69,896
No return	*
Others	38,177
Supplier of fertilizers	
Government	79,718
Private organizations	23,318
Traders	35,683
Others	176,203

Table 3.4.6 Number of Holders by Type of Farm practice

North Shewa	
Farm Practice	Number of Holders Reporting
Crop rotation	296,812
Reasons for not participating in extension package	
Ignorance	42,905
Shortage of money	75,557
Suspicion on efficacy	16,392
Programs unavailable	19,184
Insufficient arable land	20,126
Others	24,977
Use of services	
Credit	73,120
Advisory	240,844
Reasons for not using credit service	
Service unavailable	42,669
Failure to pay the loan	81,402
Inadequate service	42,780
Ignorance	15,620
No return	12,163
Others	40,829
Reasons for not using advisory service	
Service unavailable	7,981
Inadequate service	14,521
Ignorance	22,466
No return	*
Others	7,462
Supplier of fertilizers	
Government	99,170
Private organizations	*
Traders	9,875
Others	72,328

Table 3.4.7 Number of Holders by Type of Farm practice

East Shewa	
Farm Practice	Number of Holders Reporting
Crop rotation	252,779
Reasons for not participating in extension package	
Ignorance	7,511
Shortage of money	47,588
Suspicion on efficacy	6,961
Programs unavailable	34,108
Insufficient arable land	33,638
Others	27,425
Use of services	
Credit	47,094
Advisory	163,273
Reasons for not using credit service	
Service unavailable	64,738
Failure to pay the loan	42,814
Inadequate service	55,136
Ignorance	10,926
No return	*
Others	27,640
Reasons for not using advisory service	
Service unavailable	*
Inadequate service	44,990
Ignorance	9,045
No return	*
Others	10,066
Supplier of fertilizers	
Government	95,187
Private organizations	31,552
Traders	26,884
Others	53,267

Table 3.4.8 Number of Holders by Type of Farm practice

Arsa	
Farm Practice	Number of Holders Reporting
Crop rotation	491,066
Reasons for not participating in extension package	
Ignorance	42,775
Shortage of money	118,253
Suspicion on efficacy	31,055
Programs unavailable	54,777
Insufficient arable land	54,876
Others	62,518
Use of services	
Credit	110,549
Advisory	341,874
Reasons for not using credit service	
Service unavailable	72,358
Failure to pay the loan	134,224
Inadequate service	89,327
Ignorance	12,168
No return	15,364
Others	56,465
Reasons for not using advisory service	
Service unavailable	17,947
Inadequate service	65,831
Ignorance	21,598
No return	2,657
Others	23,781
Supplier of fertilizers	
Government	122,860
Private organizations	33,513
Traders	49,137
Others	182,006

Table 3.4.9 Number of Holders by Type of Farm practice

West Harerge	
Farm Practice	Number of Holders Reporting
Crop rotation	209,832
Reasons for not participating in extension package	
Ignorance	37,872
Shortage of money	94,183
Suspicion on efficacy	12,876
Programs unavailable	*
Insufficient arable land	22,459
Others	67,464
Use of services	
Credit	43,745
Advisory	198,612
Reasons for not using credit service	
Service unavailable	*
Failure to pay the loan	44,344
Inadequate service	197,254
Ignorance	11,147
No return	1,965
Others	28,136
Reasons for not using advisory service	
Service unavailable	*
Inadequate service	72,442
Ignorance	26,936
No return	5,188
Others	16,310
Supplier of fertilizers	
Government	94,687
Private organizations	*
Traders	8,474
Others	5,649

Table 3.4.10 Number of Holders by Type of Farm practice

East Harerge	
Farm Practice	Number of Holders Reporting
Crop rotation	245,809
Reasons for not participating in extension package	
Ignorance	16,903
Shortage of money	182,352
Suspicion on efficacy	18,830
Programs unavailable	16,995
Insufficient arable land	18,934
Others	57,359
Use of services	
Credit	53,205
Advisory	380,956
Reasons for not using credit service	
Service unavailable	28,200
Failure to pay the loan	70,927
Inadequate service	281,613
Ignorance	13,191
No return	*
Others	33,508
Reasons for not using advisory service	
Service unavailable	4,496
Inadequate service	47,812
Ignorance	16,282
No return	*
Others	11,008
Supplier of fertilizers	
Government	57,894
Private organizations	39,581
Traders	30,333
Others	17,433

Table 3.4.11 Number of Holders by Type of Farm practice

Bale	
Farm Practice	Number of Holders Reporting
Crop rotation	284,004
Reasons for not participating in extension package	
Ignorance	32,281
Shortage of money	30,392
Suspicion on efficacy	15,915
Programs unavailable	48,333
Insufficient arable land	31,639
Others	25,046
Use of services	
Credit	21,220
Advisory	211,519
Reasons for not using credit service	
Service unavailable	46,013
Failure to pay the loan	74,927
Inadequate service	89,842
Ignorance	8,287
No return	4,384
Others	58,468
Reasons for not using advisory service	
Service unavailable	18,412
Inadequate service	33,655
Ignorance	30,644
No return	*
Others	6,657
Supplier of fertilizers	
Government	20,980
Private organizations	*
Traders	13,637
Others	86,455

Table 3.4.12 Number of Holders by Type of Farm practice

Borena	
Farm Practice	Number of Holders Reporting
Crop rotation	58,584
Reasons for not participating in extension package	
Ignorance	25,148
Shortage of money	15,225
Suspicion on efficacy	*
Programs unavailable	43,730
Insufficient arable land	12,503
Others	22,045
Use of services	
Credit	13,108
Advisory	49,445
Reasons for not using credit service	
Service unavailable	38,848
Failure to pay the loan	24,461
Inadequate service	59,612
Ignorance	12,279
No return	1,947
Others	3,293
Reasons for not using advisory service	
Service unavailable	24,316
Inadequate service	61,142
Ignorance	18,545
No return	*
Others	2,368
Supplier of fertilizers	
Government	*
Private organizations	*
Traders	*
Others	-

Table 3.4.13 Number of Holders by Type of Farm practice

South West Shewa	
Farm Practice	Number of Holders Reporting
Crop rotation	275,828
Reasons for not participating in extension package	
Ignorance	28,395
Shortage of money	83,796
Suspicion on efficacy	8,351
Programs unavailable	4,816
Insufficient arable land	44,983
Others	59,115
Use of services	
Credit	76,736
Advisory	178,495
Reasons for not using credit service	
Service unavailable	*
Failure to pay the loan	100,652
Inadequate service	28,722
Ignorance	17,456
No return	14,221
Others	44,049
Reasons for not using advisory service	
Service unavailable	2,425
Inadequate service	32,782
Ignorance	33,246
No return	*
Others	27,833
Supplier of fertilizers	
Government	48,472
Private organizations	*
Traders	28,501
Others	145,100

Table 3.4.14 Number of Holders by Type of Farm practice

Guji	
Farm Practice	Number of Holders Reporting
Crop rotation	120,443
Reasons for not participating in extension package	
Ignorance	18,653
Shortage of money	53,659
Suspicion on efficacy	14,356
Programs unavailable	83,721
Insufficient arable land	31,109
Others	16,333
Use of services	
Credit	8,685
Advisory	71,072
Reasons for not using credit service	
Service unavailable	72,918
Failure to pay the loan	44,997
Inadequate service	72,207
Ignorance	13,367
No return	*
Others	*
Reasons for not using advisory service	
Service unavailable	45,409
Inadequate service	74,951
Ignorance	25,063
No return	*
Others	*
Supplier of fertilizers	
Government	15,401
Private organizations	*
Traders	*
Others	-

Table 3.4.15 Number of Holders by Type of Farm practice

Kelem	
Farm Practice	Number of Holders Reporting
Crop rotation	171,200
Reasons for not participating in extension package	
Ignorance	5,757
Shortage of money	88,211
Suspicion on efficacy	9,425
Programs unavailable	2,546
Insufficient arable land	21,872
Others	14,955
Use of services	
Credit	34,492
Advisory	85,401
Reasons for not using credit service	
Service unavailable	*
Failure to pay the loan	88,614
Inadequate service	19,470
Ignorance	8,683
No return	9,499
Others	11,702
Reasons for not using advisory service	
Service unavailable	*
Inadequate service	9,871
Ignorance	37,932
No return	12,227
Others	31,878
Supplier of fertilizers	
Government	6,310
Private organizations	3,838
Traders	1,388
Others	41,132

Table 3.4.16 Number of Holders by Type of Farm practice

Horoguduru	
Farm Practice	Number of Holders Reporting
Crop rotation	110,395
Reasons for not participating in extension package	
Ignorance	*
Shortage of money	29,318
Suspicion on efficacy	5,349
Programs unavailable	*
Insufficient arable land	8,103
Others	3,057
Use of services	
Credit	32,671
Advisory	90,186
Reasons for not using credit service	
Service unavailable	*
Failure to pay the loan	37,002
Inadequate service	13,837
Ignorance	4,886
No return	4,681
Others	17,093
Reasons for not using advisory service	
Service unavailable	*
Inadequate service	3,279
Ignorance	8,290
No return	2,028
Others	6,224
Supplier of fertilizers	
Government	9,031
Private organizations	1,216
Traders	2,180
Others	70,321

Table 3.4.17 Number of Holders by Type of Farm practice

West Arsi	
Farm Practice	Number of Holders Reporting
Crop rotation	361,105
Reasons for not participating in extension package	
Ignorance	*
Shortage of money	95,376
Suspicion on efficacy	16,397
Programs unavailable	46,896
Insufficient arable land	43,536
Others	17,979
Use of services	
Credit	39,165
Advisory	246,895
Reasons for not using credit service	
Service unavailable	84,810
Failure to pay the loan	94,821
Inadequate service	115,837
Ignorance	9,783
No return	7,168
Others	50,614
Reasons for not using advisory service	
Service unavailable	21,292
Inadequate service	106,678
Ignorance	15,106
No return	1,672
Others	7,883
Supplier of fertilizers	
Government	101,572
Private organizations	35,952
Traders	70,571
Others	89,424

Table 3.5 Number of Holders by Type of Farm practice

Somalie Region	
Farm Practice	Number of Holders Reporting
Crop rotation	12,609
Reasons for not participating in extension package	
Ignorance	*
Shortage of money	*
Suspicion on efficacy	*
Programs unavailable	63,126
Insufficient arable land	-
Others	*
Use of services	
Credit	*
Advisory	33,284
Reasons for not using credit service	
Service unavailable	92,135
Failure to pay the loan	7,712
Inadequate service	*
Ignorance	*
No return	-
Others	*
Reasons for not using advisory service	
Service unavailable	86,037
Inadequate service	6,575
Ignorance	*
No return	*
Others	*
Supplier of fertilizers	
Government	*
Private organizations	*
Traders	-
Others	-

Table 3.5.1 Number of Holders by Type of Farm practice

Shinele	
Farm Practice	Number of Holders Reporting
Crop rotation	233
Reasons for not participating in extension package	
Ignorance	*
Shortage of money	*
Suspicion on efficacy	*
Programs unavailable	3,462
Insufficient arable land	-
Others	-
Use of services	
Credit	*
Advisory	2,582
Reasons for not using credit service	
Service unavailable	8,116
Failure to pay the loan	*
Inadequate service	*
Ignorance	*
No return	-
Others	*
Reasons for not using advisory service	
Service unavailable	7,710
Inadequate service	*
Ignorance	-
No return	*
Others	*
Supplier of fertilizers	
Government	-
Private organizations	*
Traders	-
Others	-

Table 3.5.2 Number of Holders by Type of Farm practice

Jijiga	
Farm Practice	Number of Holders Reporting
Crop rotation	11,870
Reasons for not participating in extension package	
Ignorance	*
Shortage of money	*
Suspicion on efficacy	*
Programs unavailable	41,521
Insufficient arable land	-
Others	*
Use of services	
Credit	*
Advisory	21,135
Reasons for not using credit service	
Service unavailable	49,306
Failure to pay the loan	*
Inadequate service	*
Ignorance	*
No return	-
Others	*
Reasons for not using advisory service	
Service unavailable	50,008
Inadequate service	*
Ignorance	-
No return	-
Others	*
Supplier of fertilizers	
Government	*
Private organizations	*
Traders	-
Others	-

Table 3.5.3 Number of Holders by Type of Farm practice

Liben	
Farm Practice	Number of Holders Reporting
Crop rotation	507
Reasons for not participating in extension package	
Ignorance	*
Shortage of money	*
Suspicion on efficacy	-
Programs unavailable	18,143
Insufficient arable land	-
Others	*
Use of services	
Credit	*
Advisory	9,568
Reasons for not using credit service	
Service unavailable	34,712
Failure to pay the loan	5,129
Inadequate service	*
Ignorance	*
No return	-
Others	-
Reasons for not using advisory service	
Service unavailable	28,318
Inadequate service	*
Ignorance	*
No return	-
Others	-
Supplier of fertilizers	
Government	-
Private organizations	-
Traders	-
Others	-

Table 3.6 Number of Holders by Type of Farm practice

Benishangul – Gumuz Region	
Farm Practice	Number of Holders Reporting
Crop rotation	182,720
Reasons for not participating in extension package	
Ignorance	30,896
Shortage of money	109,359
Suspicion on efficacy	6,450
Programs unavailable	4,508
Insufficient arable land	10,451
Others	15,793
Use of services	
Credit	20,531
Advisory	151,439
Reasons for not using credit service	
Service unavailable	15,692
Failure to pay the loan	124,748
Inadequate service	27,514
Ignorance	11,896
No return	5,395
Others	18,453
Reasons for not using advisory service	
Service unavailable	3,764
Inadequate service	21,113
Ignorance	19,332
No return	1,139
Others	10,390
Supplier of fertilizers	
Government	24,583
Private organizations	2,714
Traders	5,431
Others	6,982

Table 3.6.1 Number of Holders by Type of Farm practice

Metekel	
Farm Practice	Number of Holders Reporting
Crop rotation	89,754
Reasons for not participating in extension package	
Ignorance	22,233
Shortage of money	32,727
Suspicion on efficacy	3,039
Programs unavailable	891
Insufficient arable land	4,629
Others	5,472
Use of services	
Credit	10,944
Advisory	63,595
Reasons for not using credit service	
Service unavailable	*
Failure to pay the loan	57,768
Inadequate service	7,267
Ignorance	6,662
No return	2,094
Others	9,952
Reasons for not using advisory service	
Service unavailable	1,999
Inadequate service	8,852
Ignorance	14,082
No return	*
Others	1,595
Supplier of fertilizers	
Government	14,335
Private organizations	2,333
Traders	3,446
Others	6,982

Table 3.6.2 Number of Holders by Type of Farm practice

Asosa	
Farm Practice	Number of Holders Reporting
Crop rotation	56,864
Reasons for not participating in extension package	
Ignorance	6,102
Shortage of money	53,224
Suspicion on efficacy	2,429
Programs unavailable	1,719
Insufficient arable land	*
Others	8,166
Use of services	
Credit	7,488
Advisory	66,351
Reasons for not using credit service	
Service unavailable	*
Failure to pay the loan	54,929
Inadequate service	10,799
Ignorance	3,699
No return	*
Others	6,880
Reasons for not using advisory service	
Service unavailable	*
Inadequate service	5,551
Ignorance	2,658
No return	*
Others	*
Supplier of fertilizers	
Government	8,964
Private organizations	*
Traders	*
Others	-

Table 3.6.3 Number of Holders by Type of Farm practice

Kemashi	
Farm Practice	Number of Holders Reporting
Crop rotation	23,815
Reasons for not participating in extension package	
Ignorance	2,060
Shortage of money	14,899
Suspicion on efficacy	737
Programs unavailable	*
Insufficient arable land	1,801
Others	1,048
Use of services	
Credit	1,587
Advisory	12,223
Reasons for not using credit service	
Service unavailable	*
Failure to pay the loan	6,581
Inadequate service	5,154
Ignorance	*
No return	*
Others	1,028
Reasons for not using advisory service	
Service unavailable	*
Inadequate service	4,474
Ignorance	1,785
No return	*
Others	*
Supplier of fertilizers	
Government	*
Private organizations	*
Traders	*
Others	-

Table 3.6.4 Number of Holders by Type of Farm practice

Mao Komo	
Farm Practice	Number of Holders Reporting
Crop rotation	12,287
Reasons for not participating in extension package	
Ignorance	501
Shortage of money	8,509
Suspicion on efficacy	245
Programs unavailable	*
Insufficient arable land	872
Others	1,107
Use of services	
Credit	513
Advisory	9,270
Reasons for not using credit service	
Service unavailable	1,977
Failure to pay the loan	5,470
Inadequate service	4,295
Ignorance	327
No return	*
Others	593
Reasons for not using advisory service	
Service unavailable	*
Inadequate service	2,236
Ignorance	806
No return	*
Others	371
Supplier of fertilizers	
Government	433
Private organizations	-
Traders	*
Others	-

Table 3.7 Number of Holders by Type of Farm practice

S.N.N.P. Region	
Farm Practice	Number of Holders Reporting
Crop rotation	2,257,730
Reasons for not participating in extension package	
Ignorance	326,549
Shortage of money	834,307
Suspicion on efficacy	176,551
Programs unavailable	83,872
Insufficient arable land	585,382
Others	165,071
Use of services	
Credit	677,997
Advisory	1,856,616
Reasons for not using credit service	
Service unavailable	357,646
Failure to pay the loan	1,037,378
Inadequate service	757,780
Ignorance	178,712
No return	56,861
Others	123,762
Reasons for not using advisory service	
Service unavailable	61,514
Inadequate service	735,033
Ignorance	305,863
No return	51,729
Others	85,362
Supplier of fertilizers	
Government	1,223,344
Private organizations	109,829
Traders	448,928
Others	12,696

Table 3.7.1 Number of Holders by Type of Farm practice

Gurage	
Farm Practice	Number of Holders Reporting
Crop rotation	232,628
Reasons for not participating in extension package	
Ignorance	33,238
Shortage of money	70,881
Suspicion on efficacy	11,257
Programs unavailable	*
Insufficient arable land	37,796
Others	13,748
Use of services	
Credit	96,358
Advisory	187,662
Reasons for not using credit service	
Service unavailable	24,559
Failure to pay the loan	115,954
Inadequate service	20,485
Ignorance	11,038
No return	13,961
Others	15,057
Reasons for not using advisory service	
Service unavailable	*
Inadequate service	22,411
Ignorance	32,734
No return	8,308
Others	15,275
Supplier of fertilizers	
Government	149,486
Private organizations	6,477
Traders	33,782
Others	2,546

Table 3.7.2 Number of Holders by Type of Farm practice

Hadiya	
Farm Practice	Number of Holders Reporting
Crop rotation	273,940
Reasons for not participating in extension package	
Ignorance	17,542
Shortage of money	90,352
Suspicion on efficacy	5,616
Programs unavailable	*
Insufficient arable land	50,766
Others	7,278
Use of services	
Credit	126,947
Advisory	165,926
Reasons for not using credit service	
Service unavailable	*
Failure to pay the loan	84,778
Inadequate service	26,289
Ignorance	6,700
No return	*
Others	9,979
Reasons for not using advisory service	
Service unavailable	*
Inadequate service	51,520
Ignorance	34,026
No return	-
Others	*
Supplier of fertilizers	
Government	172,059
Private organizations	*
Traders	68,216
Others	-

Table 3.7.3 Number of Holders by Type of Farm practice

Kembata – Tembaro	
Farm Practice	Number of Holders Reporting
Crop rotation	122,972
Reasons for not participating in extension package	
Ignorance	8,139
Shortage of money	47,185
Suspicion on efficacy	3,850
Programs unavailable	*
Insufficient arable land	27,730
Others	5,718
Use of services	
Credit	55,823
Advisory	83,218
Reasons for not using credit service	
Service unavailable	*
Failure to pay the loan	36,408
Inadequate service	20,607
Ignorance	3,744
No return	*
Others	2,998
Reasons for not using advisory service	
Service unavailable	*
Inadequate service	24,046
Ignorance	10,147
No return	*
Others	2,241
Supplier of fertilizers	
Government	67,068
Private organizations	*
Traders	37,048
Others	*

Table 3.7.4 Number of Holders by Type of Farm practice

Sidama	
Farm Practice	Number of Holders Reporting
Crop rotation	217,329
Reasons for not participating in extension package	
Ignorance	130,979
Shortage of money	205,660
Suspicion on efficacy	50,417
Programs unavailable	26,830
Insufficient arable land	165,845
Others	52,737
Use of services	
Credit	51,624
Advisory	255,681
Reasons for not using credit service	
Service unavailable	126,479
Failure to pay the loan	208,709
Inadequate service	287,881
Ignorance	32,848
No return	11,176
Others	27,861
Reasons for not using advisory service	
Service unavailable	21,294
Inadequate service	342,715
Ignorance	81,399
No return	21,552
Others	17,370
Supplier of fertilizers	
Government	103,964
Private organizations	62,594
Traders	157,867
Others	*

Table 3.7.5 Number of Holders by Type of Farm practice

Gedio	
Farm Practice	Number of Holders Reporting
Crop rotation	57,192
Reasons for not participating in extension package	
Ignorance	22,626
Shortage of money	32,386
Suspicion on efficacy	7,522
Programs unavailable	*
Insufficient arable land	76,739
Others	12,656
Use of services	
Credit	6,188
Advisory	41,538
Reasons for not using credit service	
Service unavailable	*
Failure to pay the loan	39,047
Inadequate service	115,208
Ignorance	2,167
No return	-
Others	8,942
Reasons for not using advisory service	
Service unavailable	*
Inadequate service	108,898
Ignorance	8,873
No return	*
Others	3,747
Supplier of fertilizers	
Government	10,976
Private organizations	*
Traders	*
Others	-

Table 3.7.6 Number of Holders by Type of Farm practice

Wolayita	
Farm Practice	Number of Holders Reporting
Crop rotation	282,353
Reasons for not participating in extension package	
Ignorance	12,748
Shortage of money	90,407
Suspicion on efficacy	3,069
Programs unavailable	*
Insufficient arable land	66,604
Others	5,606
Use of services	
Credit	56,166
Advisory	218,669
Reasons for not using credit service	
Service unavailable	*
Failure to pay the loan	141,919
Inadequate service	56,017
Ignorance	27,146
No return	*
Others	15,790
Reasons for not using advisory service	
Service unavailable	5,354
Inadequate service	31,131
Ignorance	28,910
No return	*
Others	5,313
Supplier of fertilizers	
Government	123,459
Private organizations	7,347
Traders	100,378
Others	*

Table 3.7.7 Number of Holders by Type of Farm practice

South Omo	
Farm Practice	Number of Holders Reporting
Crop rotation	77,431
Reasons for not participating in extension package	
Ignorance	23,635
Shortage of money	24,442
Suspicion on efficacy	9,993
Programs unavailable	*
Insufficient arable land	8,917
Others	*
Use of services	
Credit	9,040
Advisory	79,609
Reasons for not using credit service	
Service unavailable	29,114
Failure to pay the loan	29,718
Inadequate service	33,221
Ignorance	13,912
No return	1,697
Others	2,028
Reasons for not using advisory service	
Service unavailable	*
Inadequate service	15,193
Ignorance	14,796
No return	*
Others	*
Supplier of fertilizers	
Government	32,281
Private organizations	-
Traders	-
Others	-

Table 3.7.8 Number of Holders by Type of Farm practice

Sheka	
Farm Practice	Number of Holders Reporting
Crop rotation	22,493
Reasons for not participating in extension package	
Ignorance	5,716
Shortage of money	8,321
Suspicion on efficacy	5,413
Programs unavailable	*
Insufficient arable land	10,920
Others	7,200
Use of services	
Credit	3,634
Advisory	30,289
Reasons for not using credit service	
Service unavailable	*
Failure to pay the loan	14,041
Inadequate service	16,228
Ignorance	1,120
No return	1,563
Others	5,109
Reasons for not using advisory service	
Service unavailable	*
Inadequate service	7,004
Ignorance	4,191
No return	*
Others	3,076
Supplier of fertilizers	
Government	7,918
Private organizations	*
Traders	-
Others	*

Table 3.7.9 Number of Holders by Type of Farm practice

Keffa	
Farm Practice	Number of Holders Reporting
Crop rotation	177,557
Reasons for not participating in extension package	
Ignorance	7,527
Shortage of money	49,957
Suspicion on efficacy	19,596
Programs unavailable	*
Insufficient arable land	29,344
Others	8,551
Use of services	
Credit	32,526
Advisory	142,675
Reasons for not using credit service	
Service unavailable	*
Failure to pay the loan	68,964
Inadequate service	42,535
Ignorance	13,771
No return	5,648
Others	7,011
Reasons for not using advisory service	
Service unavailable	*
Inadequate service	15,765
Ignorance	16,460
No return	1,271
Others	4,178
Supplier of fertilizers	
Government	78,011
Private organizations	2,522
Traders	-
Others	*

Table 3.7.10 Number of Holders by Type of Farm practice

Gamo Gofa	
Farm Practice	Number of Holders Reporting
Crop rotation	257,907
Reasons for not participating in extension package	
Ignorance	16,987
Shortage of money	55,089
Suspicion on efficacy	31,247
Programs unavailable	*
Insufficient arable land	44,457
Others	18,366
Use of services	
Credit	57,824
Advisory	271,158
Reasons for not using credit service	
Service unavailable	68,606
Failure to pay the loan	109,896
Inadequate service	39,186
Ignorance	41,585
No return	4,323
Others	11,384
Reasons for not using advisory service	
Service unavailable	2,971
Inadequate service	22,196
Ignorance	19,299
No return	3,777
Others	16,094
Supplier of fertilizers	
Government	190,578
Private organizations	2,924
Traders	-
Others	*

Table 3.7.11 Number of Holders by Type of Farm practice

Benchi – Maji

Farm Practice	Number of Holders Reporting
Crop rotation	67,522
Reasons for not participating in extension package	
Ignorance	3,367
Shortage of money	37,319
Suspicion on efficacy	6,567
Programs unavailable	*
Insufficient arable land	12,810
Others	6,061
Use of services	
Credit	15,284
Advisory	53,181
Reasons for not using credit service	
Service unavailable	13,533
Failure to pay the loan	42,172
Inadequate service	18,277
Ignorance	2,999
No return	3,824
Others	3,640
Reasons for not using advisory service	
Service unavailable	*
Inadequate service	24,127
Ignorance	10,612
No return	*
Others	*
Supplier of fertilizers	
Government	23,678
Private organizations	*
Traders	-
Others	-

Table 3.7.12 Number of Holders by Type of Farm practice

Yem Special Wereda

Farm Practice	Number of Holders Reporting
Crop rotation	19,757
Reasons for not participating in extension package	
Ignorance	*
Shortage of money	5,725
Suspicion on efficacy	347
Programs unavailable	*
Insufficient arable land	2,690
Others	978
Use of services	
Credit	5,653
Advisory	16,160
Reasons for not using credit service	
Service unavailable	*
Failure to pay the loan	8,821
Inadequate service	*
Ignorance	882
No return	*
Others	1,347
Reasons for not using advisory service	
Service unavailable	*
Inadequate service	*
Ignorance	487
No return	*
Others	592
Supplier of fertilizers	
Government	16,022
Private organizations	*
Traders	*
Others	328

Table 3.7.13 Number of Holders by Type of Farm practice

Amaro Special Wereda	
Farm Practice	Number of Holders Reporting
Crop rotation	27,660
Reasons for not participating in extension package	
Ignorance	3,169
Shortage of money	14,514
Suspicion on efficacy	1,755
Programs unavailable	*
Insufficient arable land	7,044
Others	5,764
Use of services	
Credit	*
Advisory	11,254
Reasons for not using credit service	
Service unavailable	*
Failure to pay the loan	9,409
Inadequate service	20,041
Ignorance	*
No return	*
Others	*
Reasons for not using advisory service	
Service unavailable	*
Inadequate service	19,226
Ignorance	*
No return	356
Others	*
Supplier of fertilizers	
Government	12,187
Private organizations	*
Traders	*
Others	-

Table 3.7.14 Number of Holders by Type of Farm practice

Burji Special Wereda	
Farm Practice	Number of Holders Reporting
Crop rotation	9,352
Reasons for not participating in extension package	
Ignorance	1,771
Shortage of money	3,053
Suspicion on efficacy	1,589
Programs unavailable	*
Insufficient arable land	814
Others	235
Use of services	
Credit	1,734
Advisory	6,873
Reasons for not using credit service	
Service unavailable	*
Failure to pay the loan	2,768
Inadequate service	2,309
Ignorance	1,567
No return	*
Others	99
Reasons for not using advisory service	
Service unavailable	*
Inadequate service	1,368
Ignorance	1,095
No return	*
Others	*
Supplier of fertilizers	
Government	5,423
Private organizations	*
Traders	*
Others	-

Table 3.7.15 Number of Holders by Type of Farm practice

Konso Special Wereda	
Farm Practice	Number of Holders Reporting
Crop rotation	39,816
Reasons for not participating in extension package	
Ignorance	3,106
Shortage of money	16,685
Suspicion on efficacy	2,315
Programs unavailable	*
Insufficient arable land	5,080
Others	1,605
Use of services	
Credit	12,446
Advisory	32,837
Reasons for not using credit service	
Service unavailable	*
Failure to pay the loan	19,671
Inadequate service	5,799
Ignorance	2,190
No return	*
Others	*
Reasons for not using advisory service	
Service unavailable	*
Inadequate service	*
Ignorance	1,035
No return	-
Others	-
Supplier of fertilizers	
Government	9,752
Private organizations	-
Traders	-
Others	-

Table 3.7.16 Number of Holders by Type of Farm practice

Derashe Special Wereda	
Farm Practice	Number of Holders Reporting
Crop rotation	22,537
Reasons for not participating in extension package	
Ignorance	8,321
Shortage of money	6,584
Suspicion on efficacy	2,747
Programs unavailable	*
Insufficient arable land	3,397
Others	*
Use of services	
Credit	3,983
Advisory	14,863
Reasons for not using credit service	
Service unavailable	4,094
Failure to pay the loan	5,711
Inadequate service	16,095
Ignorance	*
No return	644
Others	*
Reasons for not using advisory service	
Service unavailable	*
Inadequate service	12,147
Ignorance	839
No return	*
Others	*
Supplier of fertilizers	
Government	3,980
Private organizations	-
Traders	-
Others	*

Table 3.7.17 Number of Holders by Type of Farm practice

Dawro	
Farm Practice	Number of Holders Reporting
Crop rotation	64,517
Reasons for not participating in extension package	
Ignorance	6,042
Shortage of money	11,263
Suspicion on efficacy	2,488
Programs unavailable	2,040
Insufficient arable land	14,376
Others	1,470
Use of services	
Credit	15,644
Advisory	53,860
Reasons for not using credit service	
Service unavailable	16,859
Failure to pay the loan	21,652
Inadequate service	10,577
Ignorance	4,483
No return	1,390
Others	2,043
Reasons for not using advisory service	
Service unavailable	544
Inadequate service	1,995
Ignorance	10,198
No return	1,016
Others	2,013
Supplier of fertilizers	
Government	36,671
Private organizations	-
Traders	*
Others	*

Table 3.7.18 Number of Holders by Type of Farm practice

Basketo Special Wereda	
Farm Practice	Number of Holders Reporting
Crop rotation	16,285
Reasons for not participating in extension package	
Ignorance	703
Shortage of money	5,223
Suspicion on efficacy	717
Programs unavailable	*
Insufficient arable land	1,845
Others	*
Use of services	
Credit	3,239
Advisory	10,752
Reasons for not using credit service	
Service unavailable	*
Failure to pay the loan	8,494
Inadequate service	252
Ignorance	1,218
No return	918
Others	447
Reasons for not using advisory service	
Service unavailable	-
Inadequate service	*
Ignorance	2,339
No return	*
Others	*
Supplier of fertilizers	
Government	7,377
Private organizations	*
Traders	-
Others	-

Table 3.7.19 Number of Holders by Type of Farm practice

Konta Special Wereda	
Farm Practice	Number of Holders Reporting
Crop rotation	26,994
Reasons for not participating in extension package	
Ignorance	1,624
Shortage of money	5,431
Suspicion on efficacy	*
Programs unavailable	*
Insufficient arable land	5,949
Others	1,085
Use of services	
Credit	4,119
Advisory	20,082
Reasons for not using credit service	
Service unavailable	2,588
Failure to pay the loan	12,475
Inadequate service	4,137
Ignorance	2,483
No return	425
Others	2,203
Reasons for not using advisory service	
Service unavailable	*
Inadequate service	*
Ignorance	3,182
No return	*
Others	2,301
Supplier of fertilizers	
Government	13,155
Private organizations	*
Traders	-
Others	-

Table 3.7.20 Number of Holders by Type of Farm practice

Silitie	
Farm Practice	Number of Holders Reporting
Crop rotation	183,822
Reasons for not participating in extension package	
Ignorance	10,870
Shortage of money	36,711
Suspicion on efficacy	8,044
Programs unavailable	3,953
Insufficient arable land	10,651
Others	*
Use of services	
Credit	102,918
Advisory	127,416
Reasons for not using credit service	
Service unavailable	*
Failure to pay the loan	38,311
Inadequate service	*
Ignorance	3,568
No return	3,826
Others	*
Reasons for not using advisory service	
Service unavailable	*
Inadequate service	16,227
Ignorance	14,926
No return	1,134
Others	*
Supplier of fertilizers	
Government	136,957
Private organizations	*
Traders	29,813
Others	*

Table 3.7.21 Number of Holders by Type of Farm practice

Alaba Special Wereda	
Farm Practice	Number of Holders Reporting
Crop rotation	57,664
Reasons for not participating in extension package	
Ignorance	8,312
Shortage of money	17,118
Suspicion on efficacy	1,175
Programs unavailable	*
Insufficient arable land	1,608
Others	*
Use of services	
Credit	15,935
Advisory	32,915
Reasons for not using credit service	
Service unavailable	6,788
Failure to pay the loan	18,461
Inadequate service	7,673
Ignorance	2,683
No return	*
Others	770
Reasons for not using advisory service	
Service unavailable	*
Inadequate service	12,195
Ignorance	7,203
No return	-
Others	*
Supplier of fertilizers	
Government	22,342
Private organizations	*
Traders	17,075
Others	-

Table 3.8 Number of Holders by Type of Farm practice

Gambella Region	
Farm Practice	Number of Holders Reporting
Crop rotation	8,129
Reasons for not participating in extension package	
Ignorance	7,942
Shortage of money	1,699
Suspicion on efficacy	1,859
Programs unavailable	29,124
Insufficient arable land	1,985
Others	4,282
Use of services	
Credit	1,543
Advisory	13,160
Reasons for not using credit service	
Service unavailable	38,072
Failure to pay the loan	2,963
Inadequate service	5,567
Ignorance	671
No return	*
Others	561
Reasons for not using advisory service	
Service unavailable	19,125
Inadequate service	15,116
Ignorance	5,696
No return	*
Others	209
Supplier of fertilizers	
Government	-
Private organizations	-
Traders	-
Others	-

Table 3.8.1 Number of Holders by Type of Farm practice

Agnuake	Farm Practice	Number of Holders Reporting
	Crop rotation	3,312
	Reasons for not participating in extension package	
	Ignorance	*
	Shortage of money	*
	Suspicion on efficacy	*
	Programs unavailable	11,099
	Insufficient arable land	*
	Others	*
	Use of services	
	Credit	*
	Advisory	3,851
	Reasons for not using credit service	
	Service unavailable	12,884
	Failure to pay the loan	1,558
	Inadequate service	*
	Ignorance	*
	No return	*
	Others	-
	Reasons for not using advisory service	
	Service unavailable	9,177
	Inadequate service	2,840
	Ignorance	*
	No return	*
	Others	*
	Supplier of fertilizers	
	Government	-
	Private organizations	-
	Traders	-
	Others	-

Table 3.8.2 Number of Holders by Type of Farm practice

Nuware	Farm Practice	Number of Holders Reporting
	Crop rotation	*
	Reasons for not participating in extension package	
	Ignorance	*
	Shortage of money	*
	Suspicion on efficacy	*
	Programs unavailable	9,311
	Insufficient arable land	-
	Others	-
	Use of services	
	Credit	124
	Advisory	3,093
	Reasons for not using credit service	
	Service unavailable	10,597
	Failure to pay the loan	*
	Inadequate service	*
	Ignorance	*
	No return	*
	Others	-
	Reasons for not using advisory service	
	Service unavailable	3,958
	Inadequate service	2,915
	Ignorance	3,030
	No return	*
	Others	*
	Supplier of fertilizers	
	Government	-
	Private organizations	-
	Traders	-
	Others	-

Table 3.8.3 Number of Holders by Type of Farm practice

Mezenger	
Farm Practice	Number of Holders Reporting
Crop rotation	3,974
Reasons for not participating in extension package	
Ignorance	1,624
Shortage of money	1,149
Suspicion on efficacy	1,071
Programs unavailable	3,777
Insufficient arable land	944
Others	4,112
Use of services	
Credit	*
Advisory	5,860
Reasons for not using credit service	
Service unavailable	8,175
Failure to pay the loan	1,163
Inadequate service	3,102
Ignorance	*
No return	-
Others	561
Reasons for not using advisory service	
Service unavailable	3,360
Inadequate service	6,054
Ignorance	345
No return	-
Others	*
Supplier of fertilizers	
Government	-
Private organizations	-
Traders	-
Others	-

Table 3.7.21 Number of Holders by Type of Farm practice

Itang Special	
Farm Practice	Number of Holders Reporting
Crop rotation	*
Reasons for not participating in extension package	
Ignorance	1,794
Shortage of money	*
Suspicion on efficacy	*
Programs unavailable	4,937
Insufficient arable land	-
Others	-
Use of services	
Credit	*
Advisory	*
Reasons for not using credit service	
Service unavailable	6,417
Failure to pay the loan	*
Inadequate service	*
Ignorance	*
No return	-
Others	-
Reasons for not using advisory service	
Service unavailable	2,629
Inadequate service	3,307
Ignorance	*
No return	-
Others	-
Supplier of fertilizers	
Government	-
Private organizations	-
Traders	-
Others	-

Table 3.9 Number of Holders by Type of Farm practice

Harari Region

Farm Practice	Number of Holders Reporting
Crop rotation	5,097
Reasons for not participating in extension package	
Ignorance	*
Shortage of money	3,683
Suspicion on efficacy	*
Programs unavailable	*
Insufficient arable land	1,022
Others	3,028
Use of services	
Credit	2,841
Advisory	8,117
Reasons for not using credit service	
Service unavailable	*
Failure to pay the loan	2,104
Inadequate service	7,388
Ignorance	-
No return	*
Others	1,505
Reasons for not using advisory service	
Service unavailable	*
Inadequate service	4,948
Ignorance	682
No return	*
Others	*
Supplier of fertilizers	
Government	2,567
Private organizations	2,373
Traders	1,652
Others	-

Table 3.10 Number of Holders by Type of Farm practice

Dire Dawa

Farm Practice	Number of Holders Reporting
Crop rotation	*
Reasons for not participating in extension package	
Ignorance	965
Shortage of money	*
Suspicion on efficacy	*
Programs unavailable	5,278
Insufficient arable land	958
Others	3,041
Use of services	
Credit	2,027
Advisory	2,287
Reasons for not using credit service	
Service unavailable	*
Failure to pay the loan	1,307
Inadequate service	10,296
Ignorance	*
No return	*
Others	462
Reasons for not using advisory service	
Service unavailable	*
Inadequate service	10,676
Ignorance	*
No return	-
Others	242
Supplier of fertilizers	
Government	*
Private organizations	*
Traders	865
Others	*

Table 4 Number of Holders and Area of Irrigated land by Source of Water

Geographic area		River	Lake	Pond	Water Harvest	Others	Total
Ethiopia	Holder	857,204	37,560	75,043	61,115	142,734	1,134,770
	Hectare	122,573	8,804	7,830	4,781	20,635	164,623
Tigray Region	Holder	79,558	7,283	26,446	20,100	11,245	135,155
	Hectare	9,739	1,009	*	623	*	13,326
North West Tigray	Holder	5,342	-	*	*	*	10,646
	Hectare	229	-	*	*	*	359
Central Tigray	Holder	18,255	*	2,925	4,772	2,499	27,905
	Hectare	1,661	*	*	*	*	2,320
East Tigray	Holder	13,039	3,773	9,247	12,717	*	40,253
	Hectare	*	280	*	*	*	1,853
South Tigray	Holder	40,815	*	*	*	2,302	51,252
	Hectare	6,664	*	*	*	*	8,339
Western Tigray	Holder	2,107	*	*	762	*	5,099
	Hectare	*	*	*	*	*	456
Afar Region	Holder	18,803	423	-	-	*	19,057
	Hectare	5,007	*	-	-	*	5,055
Zone 1	Holder	16,043	423	-	-	*	16,297
	Hectare	3,274	*	-	-	*	3,322
Zone 3	Holder	*	-	-	-	-	*
	Hectare	*	-	-	-	-	*
Amhara Region	Holder	384,247	7,968	11,586	16,386	74,665	485,546
	Hectare	36,857	684	268	799	2,460	41,069
North Gonder	Holder	30,999	*	-	*	*	40,877
	Hectare	1,792	*	-	*	*	2,162
South Gonder	Holder	34,975	*	-	-	*	36,406
	Hectare	1,491	*	-	-	*	1,650
North Wollo	Holder	56,373	*	*	2,445	*	63,655
	Hectare	6,523	*	*	*	*	6,851
South Wollo	Holder	53,052	-	*	4,423	*	63,837
	Hectare	2,380	-	*	*	17	2,499
North Shewa	Holder	46,292	*	*	*	32,758	82,635
	Hectare	*	*	*	*	1,225	*
East Gojjam	Holder	69,521	*	5,053	*	4,526	80,495
	Hectare	5,804	*	*	*	*	6,324
West Gojjam	Holder	53,489	*	*	-	16,010	70,554
	Hectare	3,302	*	*	-	408	3,769
Waghamera	Holder	4,342	*	*	*	*	5,217
	Hectare	*	*	*	*	*	*
Awi	Holder	25,234	*	-	-	*	27,935
	Hectare	*	*	-	-	*	*
Oromia Zone	Holder	9,652	*	*	1,051	*	13,443
	Hectare	798	*	*	*	*	1,344
Argoba Special	Holder	318	-	*	105	*	494
	Hectare	23	-	*	*	*	45
Oromia Region	Holder	251,384	17,105	34,591	21,442	49,930	357,106
	Hectare	39,451	*	5,203	*	15,580	69,932
West We	Holder	3,012	-	*	-	*	4,536
	Hectare	272	-	*	-	*	339
East Welega	Holder	5,500	*	*	-	*	5,952
	Hectare	423	*	*	-	*	425
Illubabor	Holder	*	*	*	-	-	*
	Hectare	*	*	*	-	-	*
Jimma	Holder	*	*	-	-	-	*
	Hectare	*	*	-	-	-	*
West Shewa	Holder	24,361	*	*	*	*	27,359
	Hectare	3,107	*	*	*	*	3,180
North Shewa	Holder	12,637	-	*	*	*	15,275
	Hectare	*	-	*	*	*	*

Table 4 (cont'd)

Geographic area		River	Lake	Pond	Water Harvest	Others	Total
East Shewa	Holder	17,099	3,358	*	*	*	22,583
	Hectare	*	*	*	*	*	10,457
Arsi	Holder	5,729	-	*	-	-	6,143
	Hectare	*	-	-	-	-	*
West Harerge	Holder	61,259	*	*	*	7,907	74,584
	Hectare	9,295	*	*	*	*	12,682
East Harerge	Holder	74,409	*	23,262	*	34,051	146,404
	Hectare	12,904	*	*	*	*	34,593
Bale	Holder	*	-	*	-	-	10,459
	Hectare	*	-	*	-	-	*
Borena	Holder	*	-	-	-	*	*
	Hectare	-	-	-	-	*	*
South West Shewa	Holder	11,490	*	-	*	*	12,874
	Hectare	*	*	-	*	*	608
Guji	Holder	*	*	-	-	-	*
	Hectare	*	*	-	-	-	*
West Arsi	Holder	*	-	-	-	-	*
	Hectare	*	-	-	-	-	*
Kelem	Holder	*	-	-	-	-	*
	Hectare	*	-	-	-	-	*
Horoguduru	Holder	3,584	*	*	*	*	5,239
	Hectare	207	*	*	*	*	494
Somali Region	Holder	4,341	-	-	*	-	4,556
	Hectare	2,098	-	-	*	-	2,146
Shinele	Holder	3,167	-	-	-	-	3,167
	Hectare	1,885	-	-	-	-	1,885
Jijiga	Holder	*	-	-	*	-	*
	Hectare	*	-	-	*	-	*
Liben	Holder	*	-	-	-	-	*
	Hectare	*	-	-	-	-	*
Benishangul	Holder	9,293	-	*	-	*	9,683
	Hectare	369	-	*	-	*	374
Metekel Zone	Holder	3,680	-	-	-	*	4,009
	Hectare	*	-	-	-	*	*
Asosa	Holder	*	-	-	-	-	*
	Hectare	*	-	-	-	-	*
Kemashi	Holder	-	-	-	-	*	*
	Hectare	-	-	-	-	*	*
Mao Komo	Holder	139	-	*	-	-	139
	Hectare	*	-	*	-	-	*
S.N.N.P Region	Holder	101,309	4,692	*	2,052	3,840	110,758
	Hectare	27,191	310	*	*	*	27,845
Gurage	Holder	*	*	-	-	*	*
	Hectare	*	*	-	-	*	*
Hadiya	Holder	*	*	-	*	-	2,178
	Hectare	*	*	-	*	-	*
Kemb. – Temb.	Holder	*	-	*	*	-	*
	Hectare	*	-	*	*	-	*
Sidama	Holder	*	-	-	-	-	*
	Hectare	*	-	-	-	-	*
Gedio	Holder	-	-	-	-	*	*
	Hectare	-	-	-	-	*	*
Wolayita	Holder	*	-	-	-	*	*
	Hectare	*	-	-	-	*	*
South Omo	Holder	7,627	*	-	-	*	8,701
	Hectare	*	*	-	-	*	*
Sheka	Holder	*	*	-	-	*	*
	Hectare	*	*	-	-	*	*

Table 4 (cont'd)

Geographic area		River	Lake	Pond	Water Harvest	Others	Total
Keffa	Holder	*	*	*	-	-	*
	Hectare	*	*	*	-	-	*
Gamo - Gofa	Holder	*	-	-	-	*	*
	Hectare	*	-	-	-	*	*
Benchi – Maji	Holder	*	-	-	-	*	*
	Hectare	*	-	-	-	*	*
Yem	Holder	*	-	-	*	-	*
	Hectare	*	-	-	*	-	*
Amaro	Holder	21,027	*	-	-	-	21,027
	Hectare	6,722	*	-	-	-	6,724
Burji	Holder	*	-	*	*	*	*
	Hectare	*	-	*	*	*	*
Konso	Holder	6,972	-	-	*	-	7,113
	Hectare	*	-	-	*	-	*
Derashe	Holder	*	*	-	-	-	*
	Hectare	*	-	-	-	-	*
Dawro	Holder	*	*	-	-	-	*
	Hectare	*	*	-	-	-	*
Basketo	Holder	*	-	-	-	*	*
	Hectare	*	-	-	-	*	*
Konta	Holder	*	*	-	-	-	*
	Hectare	*	*	-	-	-	*
Silitie	Holder	*	*	-	*	*	*
	Hectare	*	*	-	*	*	*
Alaba	Holder	*	*	-	-	*	*
	Hectare	*	*	-	-	*	*
Gambella Region	Holder	211	*	-	-	*	350
	Hectare	*	*	-	-	*	*
Agnuwak	Holder	*	*	-	-	*	*
	Hectare	*	*	-	-	*	*
Nuware	Holder	*	*	-	-	*	*
	Hectare	*	*	-	-	*	*
Mezenger	Holder	*	-	-	-	-	*
	Hectare	*	-	-	-	-	*
Itang Special	Holder	*	-	-	-	-	*
	Hectare	*	-	-	-	-	*
Harari Region	Holder	3,824	-	*	342	1,235	5,891
	Hectare	809	-	*	*	*	3,345
Dire Dawa	Holder	4,234	*	*	*	*	6,668
	Hectare	1,049	*	*	*	192	1,522

Table 5 Area of Irrigated land by Crop and Source of Water

Ethiopia

Crop type	River	Lake	Pond	Water Harvest	Others	Total
All	122,575	8,804	7,830	4,781	20,635	164,625
Cereals	53,892	4,243	3,696	1,875	10,343	74,049
Teff	7,833	592	*	*	632	9,969
Barley	2,864	*	*	*	*	3,713
Wheat	4,397	364	107	*	*	5,066
Maize	22,417	*	2,070	*	2,783	29,800
Sorghum	15,726	*	529	175	*	24,488
Finger millet	545	-	-	*	*	743
Oats / 'Aja'	*	-	*	-	-	*
Rice	*	-	*	-	-	*
Pulses	4,860	*	*	40	271	6,284
Horse / Faba beans	461	*	83	*	*	646
Field Peas	198	-	*	-	*	248
Haricot beans	1,328	*	*	*	*	2,021
Chick peas	702	-	*	*	-	766
Lentils	*	*	*	-	-	*
Vetch / Grass peas	*	-	*	-	-	1,079
Soya beans	*	-	-	*	-	*
Fenugreek	387	*	*	*	*	526
Gibto	-	-	-	-	-	-
Oilseeds	851	*	*	*	*	*
Neug	*	*	-	-	*	*
Linseed	38	*	*	-	*	60
Groundnuts	*	-	*	*	*	*
Safflower	*	*	-	-	-	*
Sesame	203	-	-	*	*	211
Rapeseed	*	-	-	*	*	*
Vegetables	4,658	*	*	222	320	7,830
Lettuce	*	*	*	*	*	*
Head cabbage	*	*	49	36	*	723
Ethiopian cabbage	471	*	*	*	72	689
Tomatoes	1,565	*	*	44	10	*
Green peppers	772	*	45	15	*	905
Red peppers	1,279	*	51	101	82	1,514
Swiss chard	*	-	*	*	*	23
Root crops	13,949	358	522	312	1,081	16,222
Beetroot	65	*	*	*	*	95
Carrot	87	-	*	*	*	107
Onion	6,675	*	42	*	466	7,518
Potatoes	3,451	*	*	*	218	3,930
Garlic	1,039	*	*	*	57	1,318
Taro 'Godere'	61	*	-	-	-	75
Sweet potatoes	2,571	*	204	30	324	3,179
Other Temporary	*	*	28	45	44	*
Permanent crops	7,776	*	257	42	315	8,516
Avocado	231	-	*	*	10	256
Bananas	5,447	*	*	4	120	5,700
Guava	291	*	*	*	20	418
Lemons	159	*	*	*	*	276
Mangoes	755	*	*	*	13	851
Oranges	643	*	*	*	*	700
Papayas	244	*	45	7	*	308
Pineapples	*	-	-	-	-	*
Stimulant Crops	23,778	*	2,240	2,192	6,906	35,706
Chat	13,663	*	1,981	*	5,607	23,546
Coffee	7,884	*	111	*	1,043	9,479
Hops / 'Gescho'	2,231	*	148	38	256	2,680
Enset	2,077	*	*	-	*	2,120
Sugar cane	5,040	*	153	*	228	5,450
Other permanent	733	*	*	21	*	1,070

Table 5 Area of Irrigated land by Crop and Source of Water

Tigray

Crop type	River	Lake	Pond	Water Harvest	Others	Total
All	9,739	1,009	*	623	*	13,326
Cereals	7,155	856	*	*	*	9,458
Teff	1,627	*	*	*	-	2,449
Barley	714	*	*	*	-	1,294
Wheat	2,960	*	*	*	*	3,375
Maize	591	*	*	*	-	876
Sorghum	*	*	*	-	-	*
Finger millet	*	-	-	*	-	377
Oats / 'Aja'	-	-	-	-	-	-
Rice	-	-	-	-	-	-
Pulses	595	*	*	*	-	975
Horse / Faba beans	149	-	*	*	-	196
Field Peas	*	-	-	-	-	*
Haricot beans	-	-	-	-	-	-
Chick peas	*	-	*	*	-	*
Lentils	*	*	*	-	-	*
Vetch / Grass peas	-	-	*	-	-	*
Soya beans	-	-	-	-	-	-
Fenugreek	178	-	*	*	-	216
Gibto	-	-	-	-	-	-
Oilseeds	*	-	-	-	-	*
Neug	-	-	-	-	-	-
Linseed	*	-	-	-	-	*
Groundnuts	-	-	-	-	-	-
Safflower	-	-	-	-	-	-
Sesame	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-
Vegetables	454	*	86	66	*	634
Lettuce	*	-	*	*	-	*
Head cabbage	*	*	*	*	*	107
Ethiopian cabbage	-	-	-	*	-	*
Tomatoes	*	*	*	*	*	157
Green peppers	*	*	*	4	*	*
Red peppers	*	-	*	*	*	187
Swiss chard	-	-	*	*	-	7
Root crops	568	*	*	*	*	898
Beetroot	-	-	-	*	-	*
Carrot	*	-	-	-	*	*
Onion	*	*	*	*	*	339
Potatoes	*	*	*	*	*	149
Garlic	*	-	*	*	*	380
Taro 'Godere'	-	-	-	-	-	-
Sweet potatoes	-	-	*	*	-	-
Other Temporary	15	-	*	*	*	30
Permanent crops	208	*	168	10	*	406
Avocado	*	-	*	*	-	*
Bananas	*	*	*	*	-	*
Guava	83	*	*	*	*	188
Lemons	*	*	*	*	-	15
Mangoes	*	*	*	-	*	*
Oranges	*	*	5	*	*	22
Papayas	*	*	*	-	*	75
Pineapples	-	-	-	-	-	-
Stimulant Crops	*	*	93	22	*	824
Chat	*	-	*	-	-	*
Coffee	*	*	*	*	*	*
Hops / 'Gescho'	280	*	90	22	*	421
Enset	-	-	-	-	-	-
Sugar cane	*	-	*	-	-	*
Other permanent	*	*	*	*	*	*

Table 5 Area of Irrigated land by Crop and Source of Water

Afar

Crop type	River	Lake	Pond	Water Harvest	Others	Total
All	5,009	*	-	-	*	5,057
Cereals	4,527	*	-	-	-	4,572
Teff	-	-	-	-	-	-
Barley	-	-	-	-	-	-
Wheat	-	-	-	-	-	-
Maize	4,289	*	-	-	-	4,333
Sorghum	*	-	-	-	-	*
Finger millet	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-
Rice	-	-	-	-	-	-
Pulses	-	-	-	-	-	-
Horse / Faba beans	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	-
Chick peas	-	-	-	-	-	-
Lentils	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-
Gibto	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-
Neug	-	-	-	-	-	-
Linseed	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-
Safflower	-	-	-	-	-	-
Sesame	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-
Vegetables	*	*	-	-	-	*
Lettuce	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-
Tomatoes	*	-	-	-	-	*
Green peppers	*	-	-	-	-	*
Red peppers	*	*	-	-	-	*
Swiss chard	-	-	-	-	-	-
Root crops	*	-	-	-	-	*
Beetroot	*	-	-	-	-	*
Carrot	-	-	-	-	-	-
Onion	*	-	-	-	-	*
Potatoes	-	-	-	-	-	-
Garlic	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-
Other Temporary	*	-	-	-	-	*
Permanent crops	17	*	-	-	*	17
Avocado	-	-	-	-	-	-
Bananas	*	*	-	-	*	*
Guava	*	-	-	-	-	*
Lemons	-	-	-	-	-	-
Mangoes	*	-	-	-	-	*
Oranges	-	-	-	-	-	-
Papayas	*	-	-	-	-	*
Pineapples	-	-	-	-	-	-
Stimulant Crops	-	-	-	-	-	-
Chat	-	-	-	-	-	-
Coffee	-	-	-	-	-	-
Hops / 'Gescho'	-	-	-	-	-	-
Enset	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	-
Other permanent	351	*	-	-	-	353

Table 5 Area of Irrigated land by Crop and Source of Water

Amhara

Crop type	River	Lake	Pond	Water Harvest	Others	Total
All	36,857	684	268	799	2,460	41,069
Cereals	14,803	*	*	*	769	16,188
Teff	2,790	*	*	*	*	3,419
Barley	2,006	-	-	-	*	2,066
Wheat	1,224	*	*	*	*	1,435
Maize	3,243	*	*	*	133	3,476
Sorghum	*	*	-	*	*	*
Finger millet	*	-	-	-	*	366
Oats / 'Aja'	*	-	-	-	-	*
Rice	-	-	-	-	-	-
Pulses	2,685	*	*	*	*	2,851
Horse / Faba beans	251	*	*	-	*	339
Field Peas	*	-	-	-	*	*
Haricot beans	*	*	-	*	-	*
Chick peas	*	-	-	-	-	*
Lentils	*	*	-	-	-	*
Vetch / Grass peas	*	-	-	-	-	*
Soya beans	-	-	-	-	-	-
Fenugreek	*	-	-	-	*	*
Gibto	-	-	-	-	-	-
Oilseeds	223	*	-	*	*	238
Neug	*	-	-	-	*	*
Linseed	*	-	-	-	-	*
Groundnuts	-	-	-	-	-	-
Safflower	*	*	-	-	-	*
Sesame	*	-	-	*	-	*
Rapeseed	*	-	-	*	*	*
Vegetables	2,043	*	*	54	188	2,319
Lettuce	*	-	-	-	*	*
Head cabbage	*	-	*	*	*	*
Ethiopian cabbage	*	-	-	*	*	164
Tomatoes	*	-	*	*	*	*
Green peppers	370	*	*	*	17	410
Red peppers	977	-	*	*	68	1,084
Swiss chard	*	-	-	*	*	*
Root crops	7,405	*	*	*	423	8,187
Beetroot	30	-	*	*	*	52
Carrot	65	-	*	*	*	70
Onion	*	*	*	*	*	4,552
Potatoes	2,561	*	*	*	*	2,814
Garlic	524	*	*	*	*	647
Taro 'Godere'	-	-	-	-	-	-
Sweet potatoes	*	-	-	*	*	*
Other Temporary	*	*	*	*	30	*
Permanent crops	1,466	-	*	22	*	1,739
Avocado	*	-	-	*	*	24
Bananas	811	-	-	*	51	863
Guava	141	-	-	*	18	160
Lemons	*	-	-	-	*	*
Mangoes	44	-	*	*	*	73
Oranges	350	-	*	*	*	394
Papayas	52	-	*	*	*	65
Pineapples	-	-	-	-	-	-
Stimulant Crops	5,147	*	*	*	695	6,343
Chat	861	*	*	*	*	1,580
Coffee	2,689	*	*	*	165	2,890
Hops / 'Geshe'	1,597	*	*	*	227	1,874
Enset	-	-	-	-	-	-
Sugar cane	1,298	*	*	-	44	1,354
Other permanent	115	-	*	*	*	136

Table 5 Area of Irrigated land by Crop and Source of Water

Oromia

Crop type	River	Lake	Pond	Water Harvest	Others	Total
All	39,451	*	5,203	*	15,580	69,932
Cereals	15,565	*	2,385	*	8,421	30,326
Teff	1,805	*	-	*	*	2,396
Barley	*	*	*	*	*	*
Wheat	*	*	*	-	*	*
Maize	6,849	*	1,810	*	1,963	12,866
Sorghum	6,508	*	*	*	*	14,313
Finger millet	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-
Rice	*	-	*	-	-	*
Pulses	433	*	*	*	*	1,301
Horse / Faba beans	*	*	*	*	-	90
Field Peas	*	-	*	-	-	*
Haricot beans	230	*	*	-	*	905
Chick peas	*	-	-	-	-	*
Lentils	-	-	-	-	-	-
Vetch / Grass peas	*	-	-	-	-	*
Soya beans	*	-	-	-	-	*
Fenugreek	*	*	*	-	*	117
Gibto	-	-	-	-	-	-
Oilseeds	*	*	*	-	*	*
Neug	-	*	-	-	-	*
Linseed	*	*	*	-	*	*
Groundnuts	*	-	-	-	*	*
Safflower	-	-	-	-	-	-
Sesame	*	-	-	-	*	*
Rapeseed	*	-	-	-	-	*
Vegetables	1,836	*	*	*	*	*
Lettuce	*	*	-	-	-	*
Head cabbage	*	-	*	*	*	69
Ethiopian cabbage	*	*	*	-	*	*
Tomatoes	1,277	*	*	*	*	*
Green peppers	207	*	*	*	*	254
Red peppers	61	*	*	*	*	77
Swiss chard	*	-	-	*	*	*
Root crops	5,340	*	196	24	609	6,407
Beetroot	*	-	*	*	*	36
Carrot	*	-	*	*	-	*
Onion	2,069	*	*	-	*	2,504
Potatoes	*	*	*	-	*	752
Garlic	*	-	*	*	*	*
Taro 'Godere'	*	-	-	-	-	*
Sweet potatoes	2,305	*	*	*	*	2,817
Other Temporary	*	*	*	*	*	*
Permanent crops	1,449	*	*	-	71	1,596
Avocado	*	-	-	-	*	*
Bananas	1,121	*	*	-	67	1,256
Guava	*	-	*	-	-	*
Lemons	*	-	-	-	-	*
Mangoes	*	*	*	-	*	*
Oranges	*	-	*	-	-	*
Papayas	*	-	-	-	*	40
Pineapples	*	-	-	-	-	*
Stimulant Crops	12,240	*	1,964	*	4,905	21,239
Chat	9,323	*	*	*	*	16,937
Coffee	2,562	*	*	*	863	3,916
Hops / 'Gescho'	354	*	*	-	*	386
Enset	*	-	-	-	*	30
Sugar cane	1,946	*	139	*	*	2,281
Other permanent	*	*	*	-	*	*

Table 5 Area of Irrigated land by Crop and Source of Water

Somalie						
Crop type	River	Lake	Pond	Water Harvest	Others	Total
All	2,098	-	-	*	-	2,146
Cereals	1,460	-	-	*	-	1,470
Teff	-	-	-	-	-	-
Barley	-	-	-	-	-	-
Wheat	-	-	-	-	-	-
Maize	316	-	-	*	-	326
Sorghum	1,145	-	-	-	-	1,145
Finger millet	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-
Rice	-	-	-	-	-	-
Pulses	*	-	-	-	-	*
Horse / Faba beans	-	-	-	-	-	-
Field Peas	*	-	-	-	-	*
Haricot beans	*	-	-	-	-	*
Chick peas	-	-	-	-	-	-
Lentils	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-
Gibto	-	-	-	-	-	-
Oilseeds	*	-	-	-	-	*
Neug	-	-	-	-	-	-
Linseed	-	-	-	-	-	-
Groundnuts	*	-	-	-	-	*
Safflower	-	-	-	-	-	-
Sesame	*	-	-	-	-	*
Rapeseed	-	-	-	-	-	-
Vegetables	28	-	-	*	-	51
Lettuce	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-
Tomatoes	*	-	-	*	-	44
Green peppers	*	-	-	-	-	*
Red peppers	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-
Root crops	34	-	-	*	-	48
Beetroot	*	-	-	-	-	*
Carrot	-	-	-	-	-	-
Onion	*	-	-	*	-	*
Potatoes	-	-	-	-	-	-
Garlic	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-
Sweet potatoes	*	-	-	-	-	*
Other Temporary	*	-	-	-	-	*
Permanent crops	251	-	-	-	-	251
Avocado	-	-	-	-	-	-
Bananas	*	-	-	-	-	*
Guava	*	-	-	-	-	*
Lemons	28	-	-	-	-	28
Mangoes	*	-	-	-	-	*
Oranges	162	-	-	-	-	162
Papayas	*	-	-	-	-	*
Pineapples	-	-	-	-	-	-
Stimulant Crops	300	-	-	*	-	301
Chat	289	-	-	*	-	291
Coffee	*	-	-	-	-	*
Hops / 'Geshe'	-	-	-	-	-	-
Enset	-	-	-	-	-	-
Sugar cane	*	-	-	-	-	*
Other permanent	12	-	-	-	-	12

Table 5 Area of Irrigated land by Crop and Source of Water

Benishangul – Gumuz

Crop type	River	Lake	Pond	Water Harvest	Others	Total
All	369	-	*	-	*	374
Cereals	*	-	-	-	-	*
Teff	*	-	-	-	-	*
Barley	*	-	-	-	-	*
Wheat	-	-	-	-	-	-
Maize	-	-	-	-	-	-
Sorghum	-	-	-	-	-	-
Finger millet	-	-	-	-	-	-
Oats / 'Aja'	*	-	-	-	-	*
Rice	-	-	-	-	-	-
Pulses	*	-	-	-	-	*
Horse / Faba beans	*	-	-	-	-	*
Field Peas	-	-	-	-	-	-
Haricot beans	*	-	-	-	-	*
Chick peas	-	-	-	-	-	-
Lentils	*	-	-	-	-	*
Vetch / Grass peas	-	-	-	-	-	-
Soya beans	*	-	-	-	-	*
Fenugreek	-	-	-	-	-	-
Gibto	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-
Neug	-	-	-	-	-	-
Linseed	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-
Safflower	-	-	-	-	-	-
Sesame	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-
Vegetables	*	-	-	-	-	*
Lettuce	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-
Tomatoes	*	-	-	-	-	*
Green peppers	-	-	-	-	-	-
Red peppers	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-
Root crops	*	-	-	-	*	*
Beetroot	-	-	-	-	*	*
Carrot	-	-	-	-	-	-
Onion	*	-	-	-	-	*
Potatoes	-	-	-	-	-	-
Garlic	*	-	-	-	-	*
Taro 'Godere'	*	-	-	-	-	*
Sweet potatoes	*	-	-	-	-	*
Other Temporary	-	-	-	-	-	-
Permanent crops	*	-	*	-	*	*
Avocado	*	-	-	-	-	*
Bananas	*	-	*	-	*	*
Guava	*	-	-	-	*	*
Lemons	*	-	-	-	-	*
Mangoes	*	-	-	-	*	*
Oranges	*	-	-	-	-	*
Papayas	-	-	-	-	-	-
Pineapples	-	-	-	-	-	-
Stimulant Crops	*	-	-	-	*	*
Chat	*	-	-	-	*	*
Coffee	*	-	-	-	-	*
Hops / 'Geshe'	*	-	-	-	-	*
Enset	-	-	-	-	-	-
Sugar cane	*	-	-	-	*	*
Other permanent	*	-	-	-	-	*

Table 5 Area of Irrigated land by Crop and Source of Water

S.N.N.P.R

Crop type	River	Lake	Pond	Water Harvest	Others	Total
All	27,191	310	*	*	*	27,846
Cereals	9,315	*	*	*	*	9,622
Teff	1,563	*	-	-	-	1,656
Barley	*	*	*	-	-	*
Wheat	-	-	-	-	-	-
Maize	7,026	*	*	*	*	7,155
Sorghum	*	*	-	*	-	*
Finger millet	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-
Rice	-	-	-	-	-	-
Pulses	1,100	*	-	*	-	1,103
Horse / Faba beans	*	*	-	-	-	*
Field Peas	*	-	-	-	-	*
Haricot beans	1,077	*	-	*	-	1,078
Chick peas	-	-	-	-	-	-
Lentils	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-
Soya beans	*	-	-	*	-	*
Fenugreek	*	-	-	-	-	*
Gibto	-	-	-	-	-	-
Oilseeds	*	-	-	-	-	*
Neug	-	-	-	-	-	-
Linseed	*	-	-	-	-	*
Groundnuts	-	-	-	-	-	-
Safflower	-	-	-	-	-	-
Sesame	*	-	-	-	-	*
Rapeseed	*	-	-	-	-	*
Vegetables	177	*	*	*	*	271
Lettuce	-	-	-	-	-	-
Head cabbage	*	-	*	-	*	*
Ethiopian cabbage	93	-	*	*	*	115
Tomatoes	*	*	-	-	-	*
Green peppers	24	-	*	-	*	30
Red peppers	*	-	*	*	*	*
Swiss chard	*	-	-	-	-	*
Root crops	548	*	*	*	*	565
Beetroot	*	*	*	*	-	*
Carrot	-	-	-	-	-	-
Onion	*	-	-	*	*	*
Potatoes	*	-	*	-	-	*
Garlic	*	-	-	-	-	*
Taro 'Godere'	*	*	-	-	-	71
Sweet potatoes	210	*	-	-	-	212
Other Temporary	*	*	-	*	*	*
Permanent crops	*	*	*	*	*	*
Avocado	197	-	-	*	*	207
Bananas	*	*	*	*	*	*
Guava	5	-	-	-	-	5
Lemons	28	-	-	-	-	28
Mangoes	*	*	-	-	-	*
Oranges	*	-	-	*	*	*
Papayas	87	*	-	*	*	89
Pineapples	*	-	-	-	-	*
Stimulant Crops	4,911	*	-	*	*	5,001
Chat	*	-	-	*	*	*
Coffee	2,306	*	-	*	*	2,316
Hops / 'Geshe'	-	-	-	-	-	-
Enset	2,053	*	*	-	*	2,088
Sugar cane	*	-	*	-	*	*
Other permanent	*	*	-	*	*	*

Table 5 Area of Irrigated land by Crop and Source of Water

Gambella

Crop type	River	Lake	Pond	Water Harvest	Others	Total
All	*	*	-	-	*	*
Cereals	-	*	-	-	-	*
Teff	-	-	-	-	-	-
Barley	-	-	-	-	-	-
Wheat	-	-	-	-	-	-
Maize	-	-	-	-	-	-
Sorghum	-	*	-	-	-	*
Finger millet	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-
Rice	-	-	-	-	-	-
Pulses	-	-	-	-	-	-
Horse / Faba beans	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	-
Chick peas	-	-	-	-	-	-
Lentils	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-
Gibto	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-
Neug	-	-	-	-	-	-
Linseed	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-
Safflower	-	-	-	-	-	-
Sesame	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-
Vegetables	*	-	-	-	*	*
Lettuce	*	-	-	-	-	*
Head cabbage	*	-	-	-	-	*
Ethiopian cabbage	-	-	-	-	-	-
Tomatoes	*	-	-	-	*	*
Green peppers	-	-	-	-	-	-
Red peppers	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-
Root crops	*	-	-	-	-	*
Beetroot	*	-	-	-	-	*
Carrot	-	-	-	-	-	-
Onion	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-
Garlic	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-
Other Temporary	*	-	-	-	*	*
Permanent crops	-	-	-	-	*	*
Avocado	-	-	-	-	-	-
Bananas	-	-	-	-	*	*
Guava	-	-	-	-	-	-
Lemons	-	-	-	-	-	-
Mangoes	-	-	-	-	*	*
Oranges	-	-	-	-	-	-
Papayas	-	-	-	-	-	-
Pineapples	-	-	-	-	-	-
Stimulant Crops	*	-	-	-	-	*
Chat	-	-	-	-	-	-
Coffee	*	-	-	-	-	*
Hops / 'Geshe'	-	-	-	-	-	-
Enset	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	-
Other permanent	-	-	-	-	-	-

Table 5 Area of Irrigated land by Crop and Source of Water

Harari

Crop type	River	Lake	Pond	Water Harvest	Others	Total
All	809	-	*	*	*	3,345
Cereals	318	-	*	71	*	*
Teff	-	-	-	-	-	-
Barley	-	-	-	-	-	-
Wheat	*	-	-	-	*	*
Maize	65	-	*	*	*	*
Sorghum	253	-	*	60	*	695
Finger millet	-	-	-	-	-	-
Oats / 'Aja'	-	-	*	-	-	*
Rice	-	-	-	-	-	-
Pulses	-	-	-	-	-	-
Horse / Faba beans	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	-
Chick peas	-	-	-	-	-	-
Lentils	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-
Gibto	-	-	-	-	-	-
Oilseeds	*	-	*	*	*	*
Neug	-	-	-	-	-	-
Linseed	-	-	-	-	-	-
Groundnuts	*	-	*	*	*	*
Safflower	-	-	-	-	-	-
Sesame	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-
Vegetables	*	-	*	-	-	*
Lettuce	-	-	-	-	-	-
Head cabbage	*	-	*	-	-	*
Ethiopian cabbage	-	-	-	-	-	-
Tomatoes	*	-	*	-	-	*
Green peppers	-	-	-	-	-	-
Red peppers	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-
Root crops	12	-	*	-	*	*
Beetroot	-	-	-	-	-	-
Carrot	-	-	-	-	-	-
Onion	*	-	-	-	-	*
Potatoes	*	-	*	-	*	*
Garlic	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-
Sweet potatoes	*	-	*	-	*	*
Other Temporary	*	-	*	-	*	*
Permanent crops	*	-	*	-	-	174
Avocado	-	-	-	-	-	-
Bananas	*	-	*	-	-	*
Guava	*	-	*	-	-	*
Lemons	*	-	*	-	-	*
Mangoes	*	-	*	-	-	*
Oranges	-	-	-	-	-	-
Papayas	*	-	*	-	-	18
Pineapples	-	-	-	-	-	-
Stimulant Crops	167	-	*	*	*	*
Chat	151	-	*	*	*	*
Coffee	*	-	-	*	-	*
Hops / 'Geshe'	-	-	-	-	-	-
Enset	*	-	-	-	-	*
Sugar cane	*	-	-	-	*	*
Other permanent	-	-	*	-	*	*

Table 5 Area of Irrigated land by Crop and Source of Water

Dire Dawa

Crop type	River	Lake	Pond	Water Harvest	Others	Total
All	1,049	*	*	*	192	1,522
Cereals	*	*	*	*	113	942
Teff	-	-	-	-	-	-
Barley	*	-	-	-	-	*
Wheat	-	-	-	-	-	-
Maize	*	-	*	*	*	62
Sorghum	*	*	*	*	107	879
Finger millet	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-
Rice	-	-	-	-	-	-
Pulses	*	-	*	-	*	8
Horse / Faba beans	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-
Haricot beans	*	-	*	-	*	8
Chick peas	-	-	-	-	-	-
Lentils	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-
Gibto	-	-	-	-	-	-
Oilseeds	*	-	-	*	-	*
Neug	-	-	-	-	-	-
Linseed	-	-	-	-	-	-
Groundnuts	*	-	-	-	-	*
Safflower	-	-	-	-	-	-
Sesame	-	-	-	*	-	*
Rapeseed	-	-	-	-	-	-
Vegetables	*	-	*	*	*	*
Lettuce	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-
Tomatoes	*	-	*	*	*	*
Green peppers	*	-	*	*	*	*
Red peppers	*	-	-	-	-	*
Swiss chard	-	-	-	-	-	-
Root crops	*	-	*	*	*	34
Beetroot	-	-	-	-	-	-
Carrot	-	-	-	-	-	-
Onion	*	-	*	*	*	13
Potatoes	-	-	*	-	-	*
Garlic	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-
Sweet potatoes	*	-	*	-	-	*
Other Temporary	-	-	-	-	-	-
Permanent crops	38	-	*	*	*	50
Avocado	-	-	-	-	-	-
Bananas	*	-	-	*	*	4
Guava	2	-	*	*	*	4
Lemons	*	-	-	-	-	*
Mangoes	*	-	*	-	-	*
Oranges	*	-	-	-	*	*
Papayas	10	-	*	*	*	15
Pineapples	-	-	-	-	-	-
Stimulant Crops	232	-	*	*	*	381
Chat	*	-	*	*	*	284
Coffee	71	-	*	*	*	97
Hops / 'Geshe'	-	-	-	-	-	-
Enset	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	-
Other permanent	*	-	*	*	*	*

Table 6 Farm Area Protected against Erosion as Reported by Farmers

Geographic area		Method of Protection					
		Terracing	Water catchments	Planting trees	Ploughing along the contour	Others	Total
Ethiopia	Holder	5,389,551	2,318,950	851,635	6,301,666	4,694,825	14,372,614
	Hectare	3,539,328	1,142,407	244,173	4,959,253	3,804,959	13,690,119
Tigray Region	Holder	547,227	374,598	15,435	429,732	8,871	971,663
	Hectare	338,630	242,438	1,379	296,568	*	879,162
North West Tigray	Holder	85,047	138,311	*	84,025	*	200,243
	Hectare	52,517	98,571	*	49,220	*	200,658
Central Tigray	Holder	181,400	100,159	2,539	112,930	*	289,718
	Hectare	106,320	60,413	*	53,713	*	220,884
East Tigray	Holder	103,432	26,161	6,941	82,242	*	156,239
	Hectare	43,963	2,526	*	49,050	*	95,841
South Tigray	Holder	161,079	64,692	*	74,306	*	226,432
	Hectare	125,513	48,962	*	43,025	*	217,874
Western Tigray	Holder	16,269	45,276	*	76,229	*	99,030
	Hectare	10,317	31,967	*	101,560	*	143,904
Afar Region	Holder	6,176	15,458	-	-	-	21,584
	Hectare	*	2,968	-	-	-	5,508
Zone 1	Holder	2,741	15,458	-	-	-	18,148
	Hectare	*	2,968	-	-	-	3,474
Zone 3	Holder	*	-	-	-	-	*
	Hectare	*	-	-	-	-	*
Amhara Region	Holder	2,461,616	843,641	148,308	1,430,071	1,502,840	4,052,623
	Hectare	1,820,280	370,685	18,227	1,211,934	1,024,927	4,446,054
North Gonder	Holder	344,659	167,935	*	330,143	176,214	656,070
	Hectare	265,746	98,563	*	373,304	131,219	868,913
South Gonder	Holder	273,162	105,384	8,999	249,342	150,040	411,339
	Hectare	220,563	39,406	*	196,068	58,889	515,098
North Wollo	Holder	300,788	99,127	*	79,905	66,937	366,908
	Hectare	198,902	41,542	*	23,291	15,606	280,430
South Wollo	Holder	520,449	121,535	15,440	77,822	134,135	616,761
	Hectare	318,469	40,591	*	31,047	65,826	457,910
North Shewa	Holder	280,103	61,240	8,438	166,142	187,711	440,744
	Hectare	269,762	14,283	*	146,731	133,868	565,219
East Gojjam	Holder	298,390	138,707	59,061	207,035	315,762	615,962
	Hectare	209,423	65,177	9,538	142,414	228,466	655,018
West Gojjam	Holder	238,835	92,273	21,729	161,160	291,017	506,380
	Hectare	194,940	42,809	*	146,810	241,430	627,538
Waghamera	Holder	73,644	24,686	*	45,052	8,348	106,863
	Hectare	57,457	16,546	*	37,471	*	115,003
Awi	Holder	61,514	12,950	14,788	94,763	152,777	231,297
	Hectare	43,876	4,035	*	104,465	138,083	293,505
Oromia Zone	Holder	64,366	17,354	2,896	17,825	19,850	93,259
	Hectare	37,584	6,322	*	9,993	8,004	62,071
Argoba Special	Holder	5,707	2,451	*	881	*	7,040
	Hectare	3,557	1,411	*	342	*	5,350
Oromia Region	Holder	1,325,545	626,926	228,478	2,657,829	2,459,779	5,506,762
	Hectare	972,175	312,717	95,342	2,459,867	2,467,756	6,307,856
West Welega	Holder	54,739	11,001	39,150	145,542	189,796	269,544
	Hectare	27,941	8,485	9,003	125,757	175,530	346,717
East Welega	Holder	26,256	7,532	4,840	98,907	165,172	223,029
	Hectare	26,869	*	364	136,799	204,450	374,820
Illubabor	Holder	83,915	14,877	*	172,431	97,677	289,757
	Hectare	81,195	7,593	*	163,481	85,485	341,909
Jimma	Holder	56,491	7,854	31,673	312,570	377,642	602,807
	Hectare	41,848	*	*	296,994	281,588	648,875
West Shewa	Holder	57,583	49,042	5,357	163,281	416,380	496,102
	Hectare	33,437	*	*	147,963	399,465	613,010

Table 6 (cont'd)

Geographic area		Method of Protection					
		Terracing	Water catchments	Planting trees	Ploughing along the contour	Others	Total
North Shewa	Holder	137,204	11,760	12,258	61,570	206,745	308,190
	Hectare	131,945	3,053	*	44,545	243,601	424,992
East Shewa	Holder	78,656	24,908	3,202	185,747	52,808	285,975
	Hectare	97,197	23,788	*	260,374	67,075	450,799
Arsi	Holder	65,129	84,360	13,323	296,301	196,956	515,087
	Hectare	56,615	48,275	4,383	301,646	205,085	616,004
West Harerge	Holder	265,216	125,869	*	167,179	8,656	357,535
	Hectare	149,778	34,141	*	102,656	*	288,199
East Harerge	Holder	388,696	167,797	3,438	106,600	37,657	492,988
	Hectare	230,073	45,209	*	33,210	*	338,754
Bale	Holder	9,339	24,518	*	219,172	85,382	312,451
	Hectare	9,572	22,031	*	256,848	103,779	399,786
Borena	Holder	*	*	18,005	83,797	21,141	122,710
	Hectare	*	*	8,637	40,165	7,508	59,176
South West Shewa	Holder	13,468	4,063	-	65,810	277,226	303,205
	Hectare	7,442	*	-	47,108	297,032	352,901
Guji	Holder	*	19,006	17,359	188,731	16,168	225,931
	Hectare	*	*	*	159,309	*	188,113
West Arsi	Holder	40,832	52,153	31,672	242,542	99,225	408,087
	Hectare	*	54,303	*	187,629	81,429	377,407
Kelem	Holder	31,250	14,522	14,737	101,150	110,339	181,161
	Hectare	*	*	4,114	86,718	86,470	217,578
Horoguduru	Holder	9,713	4,125	*	46,500	100,812	112,204
	Hectare	9,905	1,765	*	68,663	188,483	268,817
Somali Region	Holder	5,394	28,369	*	56,786	-	89,691
	Hectare	2,517	17,114	*	52,309	-	71,943
Shinele	Holder	3,781	2,089	-	*	-	5,834
	Hectare	2,014	873	-	*	-	2,888
Jijiga	Holder	*	14,077	*	52,565	-	66,148
	Hectare	*	14,524	*	50,326	-	65,073
Liben	Holder	*	12,204	-	4,200	-	17,708
	Hectare	*	1,717	-	*	-	3,983
Benishangul – Gumuz R..	Holder	11,732	78,034	5,899	126,157	70,399	231,996
	Hectare	6,139	52,297	3,163	133,035	56,266	250,899
Metekel Zone	Holder	3,351	34,734	*	60,793	27,608	99,735
	Hectare	*	33,041	*	82,530	30,948	150,649
Asosa	Holder	*	36,799	*	45,994	27,331	94,187
	Hectare	*	16,332	*	30,585	9,705	59,406
Kemashi	Holder	420	3,729	*	12,159	12,079	24,543
	Hectare	*	1,918	*	14,245	13,567	29,864
Mao Komo	Holder	2,351	2,773	942	7,210	3,381	13,532
	Hectare	1,529	1,005	*	5,675	2,045	10,980
S.N.N.P Region	Holder	993,749	328,524	442,112	1,589,495	638,484	3,405,300
	Hectare	378,600	131,536	123,483	801,999	249,171	1,684,788
Gurage	Holder	108,349	70,703	21,921	136,335	48,460	311,283
	Hectare	38,594	20,038	*	67,646	19,689	151,125
Hadiya	Holder	102,753	*	*	192,574	38,942	282,233
	Hectare	34,735	*	*	102,931	14,990	159,535
Kembata – Tembaro	Holder	56,355	*	2,118	96,178	16,803	127,854
	Hectare	23,022	*	*	31,132	2,067	57,339
Sidama	Holder	291,472	*	224,064	205,809	123,175	820,820
	Hectare	102,986	*	54,862	48,147	40,370	246,963
Gedio	Holder	*	*	77,007	*	85,275	194,173
	Hectare	*	*	24,163	*	26,310	61,253
Wolayita	Holder	75,683	38,377	18,237	183,583	72,678	302,793
	Hectare	23,532	10,349	*	64,569	23,497	124,612

Table 6 (cont'd)

Geographic area		Method of Protection					
		Terracing	Water catchments	Planting trees	Ploughing along the contour	Others	Total
South Omo	Holder	*	22,940	37,766	65,450	*	126,438
	Hectare	*	6,267	22,232	34,064	*	64,456
Sheka	Holder	*	12,304	*	11,943	25,718	50,478
	Hectare	*	8,167	*	9,532	14,801	34,707
Keffa	Holder	*	*	*	162,891	41,871	199,167
	Hectare	*	*	1,104	127,116	28,164	171,300
Gamo - Gofa	Holder	135,851	51,757	23,776	123,154	107,505	362,655
	Hectare	54,475	20,838	5,642	70,575	42,052	193,582
Benchi – Maji	Holder	*	6,593	*	88,510	14,704	104,096
	Hectare	*	*	*	53,667	4,015	64,933
Yem	Holder	1,687	*	*	8,915	15,833	19,841
	Hectare	712	*	*	6,306	16,244	24,465
Amaro	Holder	20,646	6,599	*	13,736	8,670	39,023
	Hectare	6,253	*	*	6,055	2,740	18,022
Burji	Holder	783	1,335	427	7,915	1,494	10,066
	Hectare	*	*	*	7,052	554	8,513
Konso	Holder	39,090	*	-	14,566	*	51,907
	Hectare	20,140	*	-	10,293	*	30,938
Derashe	Holder	17,372	8,430	*	11,503	*	32,871
	Hectare	8,728	8,048	*	6,451	*	23,254
Dawro	Holder	26,121	*	4,811	38,681	14,495	73,323
	Hectare	17,924	*	*	28,811	8,279	57,002
Basketo	Holder	5,009	*	6,597	6,619	*	19,323
	Hectare	1,858	*	2,004	2,506	*	7,001
Konta	Holder	1,842	*	*	27,912	*	29,635
	Hectare	*	*	*	15,766	*	17,683
Silitie	Holder	65,324	38,780	*	137,277	12,053	188,756
	Hectare	23,577	19,782	*	71,398	*	120,277
Alaba	Holder	15,358	7,801	870	47,036	*	58,565
	Hectare	8,956	*	18	33,983	*	47,828
Gambella R.	Holder	8,092	10,205	10,254	10,287	12,573	51,130
	Hectare	791	2,869	2,388	2,994	5,750	14,792
Agnuwak	Holder	8,092	*	7,903	-	-	16,444
	Hectare	791	*	2,011	-	-	2,891
Nuware	Holder	-	5,771	2,351	4,141	-	12,263
	Hectare	-	1,258	376	928	-	2,563
Mezenger	Holder	-	3,918	-	3,113	9,258	16,084
	Hectare	-	1,522	-	1,397	5,249	8,168
Itang	Holder	-	-	-	3,033	3,315	6,338
	Hectare	-	-	-	669	501	1,170
Harari Region	Holder	11,797	8,557	*	*	1,879	20,680
	Hectare	7,766	7,789	*	*	*	17,229
Dire Dawa	Holder	18,222	4,640	-	*	-	21,187
	Hectare	9,891	1,994	-	*	-	11,887

Table 7 Number of Holders Reporting Oxen Shortage by Coping Strategy

Geographic area	Coping strategy						
	Renting oxen	Pairing with Someone's ox	Pairing with horse/cow	Using horse / cow	Digging by hand	Borrowing oxen	Others
Ethiopia	663,758	2,555,955	163,417	166,782	2,304,544	2,398,096	513,889
Tigray Region	74,706	208,036	17,985	6,991	15,634	133,565	30,133
North West Tigray	15,948	28,964	1,323	*	3,144	18,368	5,873
Central Tigray	20,801	68,375	12,929	1,815	*	46,506	7,678
East Tigray	14,109	46,100	962	*	2,466	25,671	*
South Tigray	6,266	57,001	1,191	*	4,881	41,516	8,146
Western Tigray	17,582	7,596	*	1,602	*	1,505	3,249
Afar Region	8,083	4,113	-	-	*	*	-
Zone 1	7,761	4,113	-	-	*	*	-
Zone 3	*	-	-	-	-	-	-
Amhara Region	182,290	937,182	95,713	124,032	102,800	641,166	142,151
North Gondar	71,711	157,527	9,367	7,063	*	110,427	*
South Gondar	17,046	127,087	14,032	16,932	*	61,001	3,229
North Wollo	11,972	92,992	11,815	21,574	10,430	41,505	20,920
South Wollo	36,221	133,909	22,234	27,547	10,878	109,844	21,371
North Shewa	7,328	99,182	*	1,730	9,430	73,597	34,523
East Gojjam	18,971	151,452	10,764	14,294	16,564	102,281	14,986
West Gojjam	6,955	110,675	*	2,259	9,687	67,719	16,518
Waghamera	3,728	22,221	2,717	1,351	*	20,740	5,645
Awı	4,348	23,795	10,055	31,266	8,581	33,615	8,838
Oromia Zone	3,773	17,184	*	-	11,822	19,111	*
Argoba Special	238	1,158	110	*	305	1,325	*
Oromia Region	263,808	840,754	30,238	17,073	721,301	1,105,541	262,277
West Welega	38,254	61,793	*	*	14,714	53,863	7,313
East Welega	20,596	29,770	*	*	4,543	39,010	14,609
Illubabor	15,458	53,779	*	*	18,434	74,547	16,559
Jimma	44,950	138,566	*	*	20,202	103,965	42,641
West Shewa	23,727	57,327	5,869	*	13,140	95,899	50,424
South West Shewa	9,145	43,883	*	-	5,680	53,233	18,171
North Shewa	14,959	22,966	*	*	*	80,899	9,637
East Shewa	3,635	72,812	*	*	10,378	111,667	32,180
Arsi	*	72,932	*	*	72,218	76,892	8,330
West Harerge	8,264	69,570	*	*	270,582	67,530	8,034
East Harerge	1,909	31,570	*	*	14,433	81,005	16,766
Bale	3,142	8,634	-	*	68,055	16,254	1,182
Borena	21,984	59,604	*	-	26,830	41,600	13,932
Guji	2,476	12,600	*	*	91,914	33,645	*
West Arsi	6,570	53,289	1,784	-	74,385	123,098	5,780
Kelem	32,468	42,957	*	*	11,759	37,175	5,277
Horoguduru	9,347	8,700	*	1,554	*	15,260	10,412
Somali Region	4,609	2,860	*	*	25,918	14,777	20,004
Shinele	-	*	-	*	1,803	1,356	*
Jijiga	*	2,411	*	*	*	11,360	19,474
Liben	2,457	*	-	*	21,241	*	*
Benishangul – Gumuz	11,460	12,964	4,453	7,832	93,336	24,126	3,640
Metekel Zone	6,378	7,463	*	*	25,098	12,796	1,552
Asosa	2,873	2,374	2,962	3,628	47,611	9,346	*
Kemashi	1,078	1,527	*	2,847	12,886	1,355	531
Mao Komo	1,130	1,600	*	*	7,742	628	*
S.N.N.P Region	117,794	545,042	14,550	8,189	1,294,431	469,236	51,787
Gurage	14,353	28,432	*	*	172,739	17,228	2,518
Hadiya	17,479	84,581	*	-	15,295	71,951	*
Kembata – Tembaro	*	46,082	-	-	15,777	40,793	4,333
Sidama	*	28,073	*	*	603,547	37,650	-
Gedio	2,759	1,662	*	-	150,780	3,561	*
Wolayita	*	100,190	*	*	61,305	85,531	9,871
South Omo	12,767	7,177	*	*	34,515	17,384	*

Table 7 (cont'd)

Geographic Area	Coping strategy						
	Renting oxen	Pairing with Someone's ox	Pairing with horse/cow	Using horse / cow	Digging by hand	Borrowing oxen	Others
Sheka	2,630	12,256	-	-	6,722	8,036	9,752
Keffa	7,078	67,421	-	*	5,500	43,073	3,034
Gamo - Gofa	17,502	39,274	*	*	143,884	26,212	*
Benchi – Maji	4,509	16,835	484	*	17,572	18,006	3,102
Yem	*	3,954	*	*	567	2,640	1,373
Amaro	*	7,211	*	*	12,327	1,948	-
Burji	*	1,056	*	*	656	1,337	*
Konso	3,290	4,260	*	-	15,176	4,948	533
Derashe	1,827	1,994	*	-	9,744	4,994	*
Dawro	2,488	19,595	*	-	9,024	14,188	2,662
Basketo	1,279	2,996	401	*	5,549	1,515	*
Konta	*	9,349	-	*	3,775	7,377	672
Silitie	17,683	46,941	*	*	*	43,488	2,827
Alaba	*	15,703	-	*	*	17,375	*
Gambella Region	691	1,192	*	142	36,200	1,615	3,242
Agnuwak	*	351	-	-	10,479	804	*
Nuware	-	-	-	*	11,601	-	-
Mezhenger	194	842	*	*	7,355	*	3,075
Itang	*	-	-	*	6,766	-	-
Harari Region	213	1,225	*	*	7,743	1,403	293
Dire Dawa	*	2,588	*	-	5,838	1,954	*

Table 8: Number of Holders reporting Oxen

Geographic	No ox	One ox	Two oxen	Three oxen	Four oxen	Five oxen
Ethiopia	6,395,325	2,995,050	3,197,556	309,667	266,817	71,183
Tigray Region	364,729	248,203	279,891	26,635	9,885	2,050
North West Tigray	64,037	34,566	80,823	9,895	4,033	*
Central Tigray	85,060	84,462	75,664	3,000	*	-
East Tigray	75,577	52,458	29,217	1,615	-	-
South Tigray	102,670	61,001	61,989	5,747	2,281	-
Western Tigray	37,383	15,716	32,199	6,378	2,815	1,261
Afar Region	30,721	5,059	7,534	*	*	-
Zone 1	25,866	5,059	4,963	*	*	-
Zone 3	*	-	*	*	*	-
Amhara Region	1,396,246	1,104,097	1,041,690	92,110	56,477	9,993
North Gondar	287,104	182,509	141,084	13,198	13,328	*
South Gondar	151,248	144,031	100,778	6,553	*	-
North Wollo	129,879	109,777	64,395	*	-	-
South Wollo	193,884	165,476	171,694	8,911	*	*
North Shewa	136,162	118,681	133,553	6,756	7,172	*
East Gojjam	218,432	168,196	157,492	25,137	10,461	*
West Gojjam	166,755	124,563	155,783	18,767	11,371	2,349
Waghamera	20,196	25,904	31,806	2,231	2,223	*
Awı	60,425	40,693	57,108	8,236	9,232	*
Oromia Zone	30,537	22,895	25,427	711	-	*
Argoba Special	1,624	1,374	2,570	257	*	*
Oromia Region	2,264,768	1,027,489	1,413,469	159,783	169,107	52,811
West Welega	98,074	64,669	55,746	3,618	2,487	*
East Welega	78,960	35,782	71,248	9,002	9,497	*
Illubabor	144,167	62,884	71,247	4,349	5,309	*
Jimma	286,725	148,028	144,740	15,936	5,982	2,856
West Shewa	168,247	82,536	152,591	23,357	27,774	6,106
South West Shewa	68,228	53,075	128,130	10,989	12,120	3,681
North Shewa	126,716	42,889	75,454	7,911	20,291	7,138
East Shewa	178,690	100,800	169,285	24,929	19,540	6,572
Arsi	104,683	78,906	65,059	5,064	4,783	*
West Harerge	310,904	87,787	29,078	*	*	*
East Harerge	100,969	48,184	104,056	15,760	14,745	5,863
Bale	91,698	10,767	28,592	3,014	2,898	*
Borena	94,040	64,865	84,413	7,896	8,929	4,178
Guji	77,472	13,628	61,894	5,496	9,373	2,756
West Arsi	198,196	69,494	96,309	8,865	10,357	1,630
Kelem	91,276	50,684	37,857	2,729	2,402	-
Horoguduru	45,723	12,511	37,771	6,985	11,187	4,122
Somali Region	88,409	7,952	10,822	955	810	-
Shinele	5,097	649	*	*	-	-
Jijiga	46,209	7,131	7,924	719	*	-
Liben	37,103	*	2,749	*	*	-
Benishangul – Gumuz	158,363	18,357	34,901	5,438	5,009	1,539
Metekel Zone	49,294	10,502	23,755	5,145	4,537	988
Asosa	80,373	4,677	7,620	-	*	*
Kemashi	17,969	1,639	2,717	264	*	-
Mao Komo	10,727	1,540	809	*	*	-
S.N.N.P Region	2,020,327	577,305	404,610	23,273	24,668	4,450
Gurage	161,692	28,347	26,791	*	*	*
Hadiya	137,870	88,642	38,826	2,067	*	-
Kembata-Tembaro	48,797	45,661	7,808	*	-	-
Sidama	676,725	33,422	16,860	*	*	-
Gedio	187,799	3,223	3,210	-	-	*
Wolayita	154,939	104,211	16,343	*	*	-
South Omo	83,286	7,859	28,480	2,607	4,243	*

Table 8 (Cont'd)

Geographic	No ox	One ox	Two oxen	Three oxen	Four oxen	Five oxen
Sheka	26,874	12,502	5,283	*	*	-
Keffa	61,302	68,604	49,109	1,105	1,822	*
Gamo - Gofa	208,835	46,543	80,145	5,017	*	-
Benchi – Maji	43,307	16,621	24,891	1,932	1,396	*
Yem	5,580	4,101	6,913	425	292	*
Amaro	17,637	9,321	10,244	1,027	685	*
Burji	3,296	1,236	3,678	826	828	117
Konso	39,101	4,384	7,078	861	1,210	*
Derashe	19,140	2,946	8,078	701	1,501	*
Dawro	13,582	20,737	15,312	795	*	-
Basketo	11,735	3,568	2,990	*	*	-
Konta	8,946	9,903	5,534	*	*	-
Silitie	93,880	49,644	33,181	1,828	*	-
Alaba	16,002	15,831	13,854	*	*	-
Gambella Region	39,350	1,174	2,610	494	560	*
Agnuwak	11,120	445	2,372	444	560	*
Nuware	11,745	-	-	-	-	-
Mezhenger	9,752	720	238	*	-	*
Itang	6,733	*	-	-	-	-
Harari Region	2,172	1,140	*	*	-	-
Dire Dawa	17,269	3,242	889	*	-	-

Table 9: Total Area and Crop Harvesting frequency by crop type

National

Crop Type	Area	Once	Twice
All	13,690,119.48	13,564,014.36	125,882.38
Cereals	9,588,923.71	9,516,176.61	72,596.03
Teff	2,731,111.67	2,720,693.68	10,266.93
Barley	948,107.43	931,804.25	16,303.18
Wheat	1,437,484.73	1,433,116.57	4,368.17
Maize	2,054,723.69	2,029,983.88	24,739.81
Sorghum	1,923,717.49	1,919,508.80	*
Finger millet	432,561.00	432,430.61	*
Oats / 'Aja'	30,568.39	30,558.92	*
Rice	30,649.30	18,079.91	*
Pulses	1,616,809.37	1,574,670.24	42,139.13
Horse / Faba beans	457,559.94	455,998.45	1,561.49
Field Peas	212,890.15	211,330.99	*
Haricot beans	331,708.15	323,663.02	8,045.13
Chick peas	231,298.54	216,838.11	14,460.43
Lentils	109,895.27	106,461.71	3,433.56
Vetch / Grass peas	179,866.13	168,403.72	11,462.41
Soya beans	19,397.16	19,263.88	*
Fenugreek	39,964.58	38,497.02	*
Gibto	34,229.45	34,213.34	*
Oilseeds	880,870.81	879,482.96	*
Neug	309,010.72	308,042.87	*
Linseed	116,541.40	116,539.85	*
Groundnuts	64,476.52	64,476.52	-
Safflower	8,168.96	8,135.10	*
Sesame	337,505.41	337,231.32	*
Rapeseed	45,167.81	45,057.31	110.5
Vegetables	160,050.33	156,093.90	*
Lettuce	163.54	157.08	*
Head cabbage	4,802.90	4,416.66	*
Ethiopian cabbage	31,783.56	31,354.61	428.95
Tomatoes	7,255.93	4,361.47	*
Green peppers	6,970.87	6,911.27	59.6
Red peppers	108,805.96	108,630.89	175.07
Swiss chard	267.57	261.93	*
Root crops	199,899.80	195,848.47	4,051.33
Beetroot	2,484.96	2,459.57	*
Carrot	*	*	*
Onion	30,478.35	29,299.13	1,179.22
Potatoes	59,508.67	57,260.44	2,248.22
Garlic	13,278.55	12,900.49	*
Taro 'Godere'	39,695.59	39,667.09	28.5
Sweet potatoes	51,313.22	51,160.91	152.31
Other Temporary	111,082.52	110,651.45	431.07
Fruit Crops	61,472.74	61,371.92	100.82
Avocado	9,023.91	9,023.91	-
Bananas	35,869.31	35,797.63	*
Guava	1,357.15	1,356.59	*
Lemons	894.36	894.36	-
Mangoes	8,058.28	8,038.68	*
Oranges	3,609.67	3,601.37	*
Papayas	2,496.41	2,495.96	*
Pineapples	163.66	163.42	*
Stimulant Crops	718,221.84	717,380.84	769.32
Chat	179,775.63	179,202.10	501.86
Coffee	515,882.46	515,673.76	208.7
Hops / 'Gesho'	22,563.75	22,504.98	*
Enset	312,171.98	312,025.26	*
Sugar cane	22,119.93	22,093.78	*
Other permanent	18,496.46	18,218.92	*

Table 9.1: Total Area and Crop Harvesting frequency by crop type

Tigary

Crop Type	Area	Once	Twice
All	879,161.90	874,223.15	4,787.69
Cereals	716,178.88	712,091.08	3,936.74
Teff	152,740.04	151,315.07	*
Barley	99,453.31	98,736.05	717.27
Wheat	105,308.56	104,543.94	764.62
Maize	64,803.39	63,716.33	*
Sorghum	215,142.84	215,048.95	*
Finger millet	76,654.62	76,654.62	-
Oats / 'Aja'	*	*	-
Rice	*	*	-
Pulses	50,020.04	49,393.19	626.85
Horse / Faba beans	15,440.04	15,328.31	*
Field Peas	4,952.66	4,946.63	*
Haricot beans	3,570.22	3,570.22	-
Chick peas	7,255.37	6,862.33	393.04
Lentils	7,795.65	7,750.47	*
Vetch / Grass peas	9,717.72	9,717.72	-
Soya beans	*	*	-
Fenugreek	1,246.89	1,176.02	*
Gibto	-	-	-
Oilseeds	98,719.52	98,719.52	-
Neug	4,982.41	4,982.41	-
Linseed	7,673.39	7,673.39	-
Groundnuts	*	*	-
Safflower	*	*	-
Sesame	85,889.92	85,889.92	-
Rapeseed	*	*	-
Vegetables	2,562.65	2,411.16	151.49
Lettuce	1*	1*	-
Head cabbage	167.35	131.6	*
Ethiopian cabbage	16.35	16.35	-
Tomatoes	352.43	*	61.49
Green peppers	460.71	460.71	-
Red peppers	1,540.27	1,486.17	*
Swiss chard	15.53	15.38	*
Root crops	2,084.69	2,018.88	65.82
Beetroot	*	*	-
Carrot	*	*	*
Onion	*	*	*
Potatoes	660.64	656.05	*
Garlic	616.1	576.68	39.42
Taro 'Godere'	-	-	-
Sweet potatoes	-	-	-
Other Temporary	594.8	594.8	-
Fruit Crops	671.55	671.55	-
Avocado	*	*	-
Bananas	*	*	-
Guava	220.53	220.53	-
Lemons	*	*	-
Mangoes	*	*	-
Oranges	69.33	69.33	-
Papayas	154.1	154.1	-
Pineapples	-	-	-
Stimulant Crops	2,173.89	2,167.10	*
Chat	*	*	-
Coffee	*	*	-
Hops / 'Gesho'	1,538.69	1,531.89	*
Enset	*	*	-
Sugar cane	*	*	-
Other permanent	6,116.82	6,116.82	-

Table 9: Total Area and Crop Harvesting frequency by crop type

Afar

Crop Type	Area	Once	Twice
All	5,507.84	5,506.36	*
Cereals	4,872.34	4,872.34	-
Teff	-	-	-
Barley	-	-	-
Wheat	-	-	-
Maize	4,333.21	4,333.21	-
Sorghum	*	*	-
Finger millet	-	-	-
Oats / 'Aja'	-	-	-
Rice	-	-	-
Pulses	-	-	-
Horse / Faba beans	-	-	-
Field Peas	-	-	-
Haricot beans	-	-	-
Chick peas	-	-	-
Lentils	-	-	-
Vetch / Grass peas	-	-	-
Soya beans	-	-	-
Fenugreek	-	-	-
Gibto	-	-	-
Oilseeds	-	-	-
Neug	-	-	-
Linseed	-	-	-
Groundnuts	-	-	-
Safflower	-	-	-
Sesame	-	-	-
Rapeseed	-	-	-
Vegetables	*	*	-
Lettuce	-	-	-
Head cabbage	-	-	-
Ethiopian cabbage	-	-	-
Tomatoes	*	*	-
Green peppers	*	*	-
Red peppers	*	*	-
Swiss chard	-	-	-
Root crops	*	*	*
Beetroot	*	*	-
Carrot	-	-	-
Onion	*	*	*
Potatoes	-	-	-
Garlic	-	-	-
Taro 'Godere'	-	-	-
Sweet potatoes	-	-	-
Other Temporary	-	-	-
Fruit Crops	17.3	17.3	-
Avocado	-	-	-
Bananas	*	*	-
Guava	*	*	-
Lemons	-	-	-
Mangoes	*	*	-
Oranges	-	-	-
Papayas	*	*	-
Pineapples	-	-	-
Stimulant Crops	-	-	-
Chat	-	-	-
Coffee	-	-	-
Hops / 'Geshe'	-	-	-
Enset	-	-	-
Sugar cane	-	-	-
Other permanent	505.23	505.23	-

Table 9: Total Area and Crop Harvesting frequency by crop type

Amahara

Crop Type	Area	Once	Twice
All	4,446,054.38	4,378,839.69	67,214.69
Cereals	3,252,573.69	3,218,338.92	34,234.77
Teff	1,003,380.97	999,803.28	*
Barley	303,760.05	292,773.23	10,986.82
Wheat	460,164.57	458,185.40	1,979.18
Maize	494,625.08	489,611.21	5,013.87
Sorghum	733,017.68	733,012.13	*
Finger millet	230,613.94	230,483.54	*
Oats / 'Aja'	2,534.32	2,534.32	-
Rice	24,477.08	11,935.80	*
Pulses	721,045.69	691,026.75	30,018.94
Horse / Faba beans	197,240.84	196,142.33	1,098.51
Field Peas	79,885.38	78,593.86	*
Haricot beans	79,839.67	78,115.36	*
Chick peas	131,859.42	120,370.16	11,489.26
Lentils	64,314.80	61,135.69	3,179.11
Vetch / Grass peas	111,796.33	101,998.15	9,798.18
Soya beans	*	*	*
Fenugreek	21,017.95	19,729.29	*
Gibto	33,774.69	33,758.58	*
Oilseeds	313,535.84	313,502.22	33.62
Neug	97,351.57	97,348.70	*
Linseed	36,885.18	36,885.18	-
Groundnuts	2,163.61	2,163.61	-
Safflower	6,004.70	6,004.70	-
Sesame	140,806.40	140,806.40	-
Rapeseed	30,324.38	30,293.62	*
Vegetables	45,297.12	44,935.52	*
Lettuce	28.91	28.91	-
Head cabbage	992.02	687.85	*
Ethiopian cabbage	1,307.95	1,306.99	*
Tomatoes	892.72	892.72	-
Green peppers	1,754.30	1,732.59	*
Red peppers	40,268.51	40,233.75	*
Swiss chard	52.71	52.71	-
Root crops	39,798.43	37,572.18	2,226.25
Beetroot	480.18	454.81	*
Carrot	211.39	173.67	*
Onion	12,174.60	11,639.00	*
Potatoes	21,352.52	19,779.19	1,573.33
Garlic	5,012.69	4,958.47	54.22
Taro 'Godere'	*	*	-
Sweet potatoes	562.47	562.47	-
Other Temporary	29,612.10	29,345.23	*
Fruit Crops	3,888.32	3,887.50	*
Avocado	87.2	87.2	-
Bananas	1,205.85	1,205.85	-
Guava	410.85	410.3	*
Lemons	370.95	370.95	-
Mangoes	214.44	214.44	-
Oranges	1,369.38	1,369.35	*
Papayas	228.4	228.4	-
Pineapples	*	*	*
Stimulant Crops	31,808.91	31,737.09	*
Chat	7,839.77	7,839.77	-
Coffee	8,932.01	8,911.44	*
Hops / 'Gescho'	15,037.12	14,985.88	*
Enset	*	*	-
Sugar cane	2,241.47	2,241.47	-
Other permanent	*	*	-

Table 9: Total Area and Crop Harvesting frequency by crop type

Oromia

Crop Type	Area	Once	Twice
All	6,307,856.38	6,260,690.22	47,094.48
Cereals	4,457,075.63	4,427,720.00	29,355.63
Teff	1,293,514.25	1,288,479.49	*
Barley	460,544.73	456,501.65	4,043.07
Wheat	740,810.94	739,250.45	1,560.49
Maize	1,102,256.20	1,087,680.72	14,575.48
Sorghum	743,379.32	739,275.08	*
Finger millet	87,061.51	87,061.51	-
Oats / 'Aja'	27,343.84	27,334.38	*
Rice	2,164.83	2,136.72	*
Pulses	636,575.27	626,417.35	10,157.92
Horse / Faba beans	185,910.75	185,570.58	340.18
Field Peas	85,958.69	85,822.10	136.59
Haricot beans	153,814.40	148,595.03	5,219.36
Chick peas	87,721.26	85,241.00	2,480.26
Lentils	36,827.56	36,618.29	*
Vetch / Grass peas	58,085.55	56,421.32	*
Soya beans	10,679.44	10,679.44	-
Fenugreek	17,347.91	17,239.88	108.03
Gibto	*	*	-
Oilseeds	399,074.64	397,737.99	*
Neug	193,175.26	192,227.69	*
Linseed	69,996.56	69,995.17	*
Groundnuts	42,348.13	42,348.13	-
Safflower	*	*	*
Sesame	78,748.66	78,474.57	*
Rapeseed	13,952.84	13,873.12	79.72
Vegetables	68,344.63	65,038.19	*
Lettuce	*	*	*
Head cabbage	2,826.33	2,788.16	38.17
Ethiopian cabbage	11,469.83	11,070.67	399.16
Tomatoes	5,035.31	2,218.87	*
Green peppers	3,381.91	3,345.97	*
Red peppers	45,363.14	45,358.37	*
Swiss chard	158.37	152.88	*
Root crops	84,860.99	83,184.73	1,676.26
Beetroot	1,677.41	1,677.38	*
Carrot	*	*	-
Onion	15,639.41	15,026.55	612.86
Potatoes	28,166.61	27,514.26	*
Garlic	6,612.24	6,327.82	*
Taro 'Godere'	7,517.47	7,514.52	*
Sweet potatoes	22,580.41	22,456.76	*
Other Temporary	37,169.91	37,029.38	140.53
Fruit Crops	21,733.55	21,678.07	55.48
Avocado	3,049.28	3,049.28	-
Bananas	12,834.82	12,807.21	*
Guava	432.77	432.77	-
Lemons	160.15	160.15	-
Mangoes	3,384.01	3,364.41	*
Oranges	1,090.36	1,082.09	*
Papayas	746.91	746.91	-
Pineapples	35.25	35.25	-
Stimulant Crops	498,845.62	498,132.88	641.06
Chat	125,849.13	125,275.66	501.8
Coffee	368,405.31	368,266.15	139.15
Hops / 'Gescho'	4,591.18	4,591.07	*
Enset	94,044.94	93,921.25	*
Sugar cane	7,828.39	7,803.06	*
Other permanent	2,302.82	2,027.31	*

Table 9: Total Area and Crop Harvesting frequency by crop type

Somalie

Crop Type	Area	Once	Twice	
All	71,943.39	71,817.87		*
Cereals	62,663.48	62,555.75		*
Teff	*	*		-
Barley	*	*		-
Wheat	4,130.51	4,130.51		-
Maize	28,934.09	28,831.38		*
Sorghum	28,368.93	28,363.92		*
Finger millet	-	-		-
Oats / 'Aja'	*	*		-
Rice	-	-		-
Pulses	*	*		-
Horse / Faba beans	-	-		-
Field Peas	*	*		-
Haricot beans	*	*		-
Chick peas	*	*		-
Lentils	*	*		-
Vetch / Grass peas	-	-		-
Soya beans	-	-		-
Fenugreek	*	*		-
Gibto	-	-		-
Oilseeds	*	*		-
Neug	-	-		-
Linseed	*	*		-
Groundnuts	*	*		-
Safflower	-	-		-
Sesame	*	*		-
Rapeseed	-	-		-
Vegetables	540.8	532.35		*
Lettuce	-	-		-
Head cabbage	-	-		-
Ethiopian cabbage	*	*		-
Tomatoes	475.75	467.3		*
Green peppers	46.95	46.95		-
Red peppers	*	*		-
Swiss chard	-	-		-
Root crops	780.04	770.69		*
Beetroot	*	*		-
Carrot	-	-		-
Onion	734.47	725.12		*
Potatoes	*	*		-
Garlic	*	*		-
Taro 'Godere'	-	-		-
Sweet potatoes	23.1	23.1		-
Other Temporary	*	*		-
Fruit Crops	337.99	337.99		-
Avocado	-	-		-
Bananas	*	*		-
Guava	*	*		-
Lemons	32.51	32.51		-
Mangoes	50.02	50.02		-
Oranges	162.66	162.66		-
Papayas	*	*		-
Pineapples	-	-		-
Stimulant Crops	4,735.93	4,735.93		-
Chat	4,725.46	4,725.46		-
Coffee	*	*		-
Hops / 'Gescho'	-	-		-
Enset	-	-		-
Sugar cane	*	*		-
Other permanent	*	*		-

Table 9: Total Area and Crop Harvesting frequency by crop type

Benshangule-Gumuz

Crop Type	Area	Once	Twice
All	250,899.40	250,820.83	78.57
Cereals	167,657.57	167,628.91	*
Teff	23,615.03	23,603.32	*
Barley	818.37	817.84	*
Wheat	1,668.86	1,668.86	-
Maize	46,534.50	46,518.08	*
Sorghum	60,122.37	60,122.37	-
Finger millet	34,133.26	34,133.26	-
Oats / 'Aja'	*	*	-
Rice	*	*	-
Pulses	14,218.46	14,187.51	*
Horse / Faba beans	600.79	600.79	-
Field Peas	*	*	-
Haricot beans	4,782.05	4,778.74	*
Chick peas	1,082.24	1,054.60	*
Lentils	*	*	-
Vetch / Grass peas	*	*	-
Soya beans	7,230.42	7,230.42	-
Fenugreek	*	*	-
Gibto	*	*	-
Oilseeds	59,446.88	59,429.29	*
Neug	12,776.31	12,758.90	*
Linseed	540.41	540.26	*
Groundnuts	15,529.37	15,529.37	-
Safflower	*	*	-
Sesame	29,582.76	29,582.76	-
Rapeseed	95.41	95.39	*
Vegetables	2,248.45	2,248.18	*
Lettuce	*	*	-
Head cabbage	18.99	18.99	-
Ethiopian cabbage	80.8	80.53	*
Tomatoes	28.87	28.87	-
Green peppers	66.16	66.16	-
Red peppers	2,051.08	2,051.08	-
Swiss chard	*	*	-
Root crops	1,293.00	1,292.91	*
Beetroot	7.2	7.2	-
Carrot	1.93	1.93	-
Onion	89.45	89.45	-
Potatoes	*	*	-
Garlic	82.66	82.66	-
Taro 'Godere'	32.71	32.71	-
Sweet potatoes	769.78	769.68	*
Other Temporary	2,336.63	2,335.92	*
Fruit Crops	1,558.12	1,558.12	-
Avocado	7.94	7.94	-
Bananas	479.9	479.9	-
Guava	*	*	-
Lemons	62.07	62.07	-
Mangoes	830.57	830.57	-
Oranges	57.62	57.62	-
Papayas	65.49	65.49	-
Pineapples	*	*	-
Stimulant Crops	1,925.74	1,925.45	*
Chat	754.34	754.34	-
Coffee	1,079.65	1,079.35	*
Hops / 'Gescho'	91.76	91.76	-
Enset	6.94	6.94	-
Sugar cane	164.11	164.11	-
Other permanent	43.51	43.51	-

Table 9: Total Area and Crop Harvesting frequency by crop type

S.N.N.P.R.

Crop Type	Area	Once	Twice
All	1,684,787.93	1,678,274.58	6,513.35
Cereals	900,512.38	895,636.47	4,875.91
Teff	257,794.70	257,425.84	368.86
Barley	82,305.24	81,749.75	555.49
Wheat	125,303.57	125,239.69	*
Maize	306,431.17	302,543.48	3,887.68
Sorghum	122,731.01	122,731.01	-
Finger millet	4,097.68	4,097.68	-
Oats / 'Aja'	450.16	450.16	-
Rice	*	*	-
Pulses	193,322.53	192,018.06	1,304.47
Horse / Faba beans	58,354.57	58,343.50	*
Field Peas	41,779.22	41,654.20	*
Haricot beans	88,192.88	87,094.75	*
Chick peas	3,307.74	3,237.50	*
Lentils	905.61	905.61	-
Vetch / Grass peas	240.51	240.51	-
Soya beans	129.19	129.19	-
Fenugreek	339.77	339.77	-
Gibto	73.03	73.03	-
Oilseeds	6,418.57	6,418.57	-
Neug	*	*	-
Linseed	1,416.11	1,416.11	-
Groundnuts	873.27	873.27	-
Safflower	265.44	265.44	-
Sesame	2,374.35	2,374.35	-
Rapeseed	788.09	788.09	-
Vegetables	40,688.68	40,568.71	*
Lettuce	12.51	12.51	-
Head cabbage	786.98	778.84	*
Ethiopian cabbage	18,883.53	18,854.97	*
Tomatoes	351.89	351.89	-
Green peppers	1,210.80	1,208.97	*
Red peppers	19,402.30	19,320.86	*
Swiss chard	40.67	40.67	-
Root crops	70,626.85	70,556.39	70.46
Beetroot	313.67	313.67	-
Carrot	161.9	161.9	-
Onion	1,088.52	1,088.52	-
Potatoes	8,978.39	8,962.05	*
Garlic	949.64	949.64	-
Taro 'Godere'	32,045.96	32,020.41	*
Sweet potatoes	27,088.77	27,060.21	*
Other Temporary	39,982.98	39,960.03	22.95
Fruit Crops	32,337.70	32,293.27	*
Avocado	5,813.90	5,813.90	-
Bananas	21,001.95	20,957.87	*
Guava	192.97	192.97	-
Lemons	126.42	126.42	-
Mangoes	3,102.75	3,102.75	-
Oranges	840.37	840.37	-
Papayas	1,136.34	1,135.99	*
Pineapples	123	123	-
Stimulant Crops	168,490.31	168,441.01	*
Chat	34,042.12	34,042.12	-
Coffee	133,184.03	133,135.35	*
Hops / 'Gesho'	1,264.16	1,263.54	*
Enset	217,724.64	217,701.62	*
Sugar cane	11,585.53	11,584.72	*
Other permanent	3,097.76	3,095.74	*

Table 9: Total Area and Crop Harvesting frequency by crop type

Gambella

Crop Type	Area	Once	Twice
All	14,791.93	14,729.84	*
Cereals	7,893.18	7,838.39	*
Teff	*	*	-
Barley	*	*	-
Wheat	*	*	-
Maize	4,518.41	4,463.62	*
Sorghum	3,324.79	3,324.79	-
Finger millet	-	-	-
Oats / 'Aja'	*	*	-
Rice	-	-	-
Pulses	*	*	-
Horse / Faba beans	*	*	-
Field Peas	-	-	-
Haricot beans	10.61	10.61	-
Chick peas	-	-	-
Lentils	-	-	-
Vetch / Grass peas	-	-	-
Soya beans	*	*	-
Fenugreek	*	*	-
Gibto	-	-	-
Oilseeds	*	*	-
Neug	*	*	-
Linseed	-	-	-
Groundnuts	*	*	-
Safflower	*	*	-
Sesame	-	-	-
Rapeseed	-	-	-
Vegetables	161.85	154.56	*
Lettuce	*	*	-
Head cabbage	3.84	3.84	-
Ethiopian cabbage	23.57	23.57	-
Tomatoes	*	*	*
Green peppers	17.3	17.17	*
Red peppers	*	*	-
Swiss chard	-	-	-
Root crops	245.28	245.28	-
Beetroot	*	*	-
Carrot	*	*	-
Onion	*	*	-
Potatoes	*	*	-
Garlic	-	-	-
Taro 'Godere'	94.86	94.86	-
Sweet potatoes	143.64	143.64	-
Other Temporary	1,359.55	1,359.55	-
Fruit Crops	408.69	408.69	-
Avocado	52.95	52.95	-
Bananas	135.35	135.35	-
Guava	*	*	-
Lemons	3.29	3.29	-
Mangoes	134.45	134.45	-
Oranges	10.74	10.74	-
Papayas	62.54	62.54	-
Pineapples	3.7	3.7	-
Stimulant Crops	4,123.72	4,123.72	-
Chat	126.55	126.55	-
Coffee	3,956.72	3,956.72	-
Hops / 'Gescho'	40.45	40.45	-
Enset	382.82	382.82	-
Sugar cane	131.71	131.71	-
Other permanent	3.26	3.26	-

Table 9: Total Area and Crop Harvesting frequency by crop type

Harari Region

Crop Type	Area	Once	Twice
All	17,229.35	17,229.35	-
Cereals	9,869.41	9,869.41	-
Teff	*	*	-
Barley	25.26	25.26	-
Wheat	71.79	71.79	-
Maize	2,068.62	2,068.62	-
Sorghum	7,701.89	7,701.89	-
Finger millet	-	-	-
Oats / 'Aja'	*	*	-
Rice	*	*	-
Pulses	*	*	-
Horse / Faba beans	-	-	-
Field Peas	-	-	-
Haricot beans	*	*	-
Chick peas	-	-	-
Lentils	*	*	-
Vetch / Grass peas	-	-	-
Soya beans	-	-	-
Fenugreek	*	*	-
Gibto	-	-	-
Oilseeds	1,708.04	1,708.04	-
Neug	-	-	-
Linseed	-	-	-
Groundnuts	1,704.58	1,704.58	-
Safflower	-	-	-
Sesame	*	*	-
Rapeseed	*	*	-
Vegetables	*	*	-
Lettuce	-	-	-
Head cabbage	*	*	-
Ethiopian cabbage	*	*	-
Tomatoes	*	*	-
Green peppers	*	*	-
Red peppers	-	-	-
Swiss chard	-	-	-
Root crops	119.42	119.42	-
Beetroot	*	*	-
Carrot	-	-	-
Onion	*	*	-
Potatoes	17.75	17.75	-
Garlic	*	*	-
Taro 'Godere'	-	-	-
Sweet potatoes	96.87	96.87	-
Other Temporary	11.75	11.75	-
Fruit Crops	449.46	449.46	-
Avocado	-	-	-
Bananas	*	*	-
Guava	7.23	7.23	-
Lemons	*	*	-
Mangoes	264.83	264.83	-
Oranges	-	-	-
Papayas	*	*	-
Pineapples	-	-	-
Stimulant Crops	4,877.86	4,877.86	-
Chat	4,833.39	4,833.39	-
Coffee	*	*	-
Hops / 'Gescho'	*	*	-
Enset	*	*	-
Sugar cane	*	*	-
Other permanent	*	*	-

Table 9: Total Area and Crop Harvesting frequency by crop type

Dire Dawa Region

Crop Type	Area	Once	Twice
All	11,886.96	11,882.47	*
Cereals	9,627.15	9,625.35	*
Teff	-	-	-
Barley	*	*	-
Wheat	*	*	-
Maize	219.02	217.22	*
Sorghum	9,389.52	9,389.52	-
Finger millet	-	-	-
Oats / 'Aja'	-	-	-
Rice	-	-	-
Pulses	499.42	499.42	-
Horse / Faba beans	-	-	-
Field Peas	*	*	-
Haricot beans	499.16	499.16	-
Chick peas	-	-	-
Lentils	-	-	-
Vetch / Grass peas	-	-	-
Soya beans	-	-	-
Fenugreek	*	*	-
Gibto	-	-	-
Oilseeds	224.19	224.19	-
Neug	-	-	-
Linseed	-	-	-
Groundnuts	*	*	-
Safflower	-	-	-
Sesame	99.75	99.75	-
Rapeseed	*	*	-
Vegetables	*	*	*
Lettuce	-	-	-
Head cabbage	-	-	-
Ethiopian cabbage	*	*	-
Tomatoes	*	*	*
Green peppers	*	*	-
Red peppers	*	*	-
Swiss chard	-	-	-
Root crops	84.55	82.94	*
Beetroot	-	-	-
Carrot	-	-	-
Onion	31.87	31.87	-
Potatoes	4.5	2.89	*
Garlic	-	-	-
Taro 'Godere'	-	-	-
Sweet potatoes	48.18	48.18	-
Other Temporary	*	*	*
Fruit Crops	70.07	69.98	*
Avocado	-	-	-
Bananas	4.39	4.39	-
Guava	11.2	11.2	-
Lemons	*	*	-
Mangoes	23.94	23.94	-
Oranges	*	*	-
Papayas	16.89	16.8	*
Pineapples	-	-	-
Stimulant Crops	1,239.85	1,239.80	*
Chat	1,126.51	1,126.45	*
Coffee	113.34	113.34	-
Hops / 'Geshe'	-	-	-
Enset	-	-	-
Sugar cane	-	-	-
Other permanent	*	*	-

Table 10: Number of holders by land use area before the crop calender year (Main season) by region

REGION	Holder	Fallow Land	Crop Land	Pasture,Forest and Marginal Land	Crop Land Owned by Other Holder	Others
National	14,747,439	474,707.22	12,214,176.46	2,077,683.09	584,357.47	2,157,155.11
Tigray	1,007,701	32,095.82	718,263.37	11,125.95	17,802.12	163,861.49
Afar	124,964	1,393.52	31,505.06	1,563.57	*	15,157.16
Amhara	4,125,980	88,855.22	3,775,028.35	323,572.09	197,731.64	798,102.96
Oromia	5,607,286	283,400.25	5,902,021.15	1,303,067.12	293,926.41	729,496.37
Somale	135,205	2,598.60	57,558.83	24,245.40	558.87	40,664.60
Benshangul-Gumuz	233,306	8,128.79	191,576.75	9,518.80	21,117.01	39,357.40
S.N.N.P.R	3,413,653	58,040.64	1,503,259.30	402,244.04	52,590.66	347,689.14
Gambella	55,618	143.4	20,090.40	684.48	296.27	3,799.25
Harari	20,711	48.28	8,479.74	174.4	76.03	11,139.31
Dire Dawa	23,014	*	6,393.52	1,487.24	*	7,887.42

APPENDIX I

ESTIMATION PROCEDURES OF TOTALS, RATIOS AND SAMPLING ERRORS

APPENDIX I Estimation Procedures of Totals, Ratios and Sampling Errors

The following formulas were used to estimate total area of land under specific crop, total holders, quantity of fertilizer applied and seed sowed, and ratios in a stratum.

1. For Estimating Total Area of Land Under Specific Crop:

$$\hat{A}_h = \sum_{i=1}^{n_h} W_{hi} \sum_{j=1}^{h_{hi}} a_{hij} = \sum_{i=1}^{n_h} W_{hi} a_{hi}$$

in which, $W_{hi} = \frac{M_h H_{hi}}{n_h m_{hi} h_{hi}}$ is the basic weight.

Where:

h represents the stratum

n_h is the total number of sample EAs successfully covered in the h^{th} stratum.

M_h is the measure of size of the h^{th} stratum as obtained from the sampling frame.

m_{hi} is the measure of size of the i^{th} sample EA in the h^{th} stratum obtained from the sampling frame.

H_{hi} is the total number of agricultural households of the i^{th} sample EA in the h^{th} stratum.

h_{hi} is the number of sample agricultural households successfully covered in the i^{th} sample EA in the h^{th} stratum.

a_{hij} is the value of area for agricultural households j , in the i^{th} EA in the h^{th} stratum under a specific crop.

a_{hi} is the sample total area under specific crop for EA i in stratum h .

\hat{A}_h estimate of total area under specific crop in stratum h .

2. For Estimating Total Number of Holders:

$$\hat{Y}_h = \sum_{i=1}^{n_h} W_{hi} y_{hi}$$

Where: y_{hi} is the sample total number of holders of i^{th} EA in the h^{th} stratum.

\hat{Y}_h is estimate of total number of holders for the h^{th} stratum.

W_{hi} is as defined above.

3. For Estimating Quantity of Fertilizer and seed in Stratum h:

$$\hat{Q}_h = \sum_{i=1}^{n_h} W_{hi} q_{hi}$$

where,

\hat{Q}_h is estimate of total quantity of a specific fertilizer applied or seed sowed for a specific crop land in the h^{th} stratum.

q_{hi} is the sample total of a specific fertilizer applied or seed sowed for a specific crop land in the i^{th} EA in the h^{th} stratum.

W_{hi} is as defined above.

4. For Estimating Ratios in Stratum h:

$$\hat{R}_h = \frac{\hat{Z}_h}{\hat{X}_h},$$

Where, the numerator and denominator are estimates of domain totals for characteristic z and x, respectively.

5. Sampling Variance of Estimates:

Sampling variance for the estimate of stratum total of area for a specific crop and holders, and ratios are estimated by the following formulas.

$$Var(\hat{A}_h) = (1 - f_h) \frac{n_h}{n_h - 1} \sum_{i=1}^{n_h} \left(\hat{A}_{hi} - \frac{\hat{A}_h}{n_h} \right)^2 + f_h \sum_{i=1}^{n_h} (1 - f_{hi}) \left(\frac{h_{hi}}{h_{hi} - 1} \right) \sum_{j=1}^{h_{hi}} \left(\hat{A}_{hij} - \frac{\hat{A}_{hi}}{h_{hi}} \right)^2$$

$$Var(\hat{Y}_h) = (1 - f_h) \frac{n_h}{n_h - 1} \sum_{i=1}^{n_h} \left(\hat{Y}_{hi} - \frac{\hat{Y}_h}{n_h} \right)^2 + f_h \sum_{i=1}^{n_h} (1 - f_{hi}) \left(\frac{h_{hi}}{h_{hi} - 1} \right) \sum_{j=1}^{h_{hi}} \left(\hat{Y}_{hij} - \frac{\hat{Y}_{hi}}{h_{hi}} \right)^2$$

$$Var(\hat{Q}_h) = (1 - f_h) \frac{n_h}{n_h - 1} \sum_{i=1}^{n_h} \left(\hat{Q}_{hi} - \frac{\hat{Q}_h}{n_h} \right)^2 + f_h \sum_{i=1}^{n_h} (1 - f_{hi}) \left(\frac{h_{hi}}{h_{hi} - 1} \right) \sum_{j=1}^{h_{hi}} \left(\hat{Q}_{hij} - \frac{\hat{Q}_{hi}}{h_{hi}} \right)^2$$

$$Var(\hat{R}_h) = \frac{1}{\hat{X}_h^2} \left[Var(\hat{Z}_h) + \hat{R}_h^2 Var(\hat{X}_h) - 2\hat{R}_h Cov(\hat{Z}_h, \hat{X}_h) \right]$$

Where,

$$Cov(\hat{Z}_h, \hat{X}_h) = (1 - f_h) \frac{n_h}{n_h - 1} \sum_{i=1}^{n_h} \left(\hat{Z}_{hi} - \frac{\hat{Z}_h}{n_h} \right) \left(\hat{X}_{hi} - \frac{\hat{X}_h}{n_h} \right) + f_h \sum_{i=1}^{n_h} (1 - f_{hi}) \left(\frac{h_{hi}}{h_{hi} - 1} \right) \sum_{j=1}^{h_{hi}} \left(\hat{Z}_{hij} - \frac{\hat{Z}_{hi}}{h_{hi}} \right) \left(\hat{X}_{hij} - \frac{\hat{X}_{hi}}{h_{hi}} \right)$$

f_h = average first stage probability of selection of EAs within stratum h .

$f_{hi} = \frac{h_{hi}}{H_{hi}}$ = average second stage probability of selection within the i^{th} sample EA in stratum h .

$\hat{A}_{hi}, \hat{Y}_{hi}, \hat{Q}_{hi}, \hat{Z}_{hi}, \hat{X}_{hi}$ are weighted total area, holder, quantity of fertilizer or seed, characteristics z and x , respectively, in the i^{th} EA and h^{th} stratum.

$\hat{A}_{hij}, \hat{Y}_{hij}, \hat{Q}_{hij}, \hat{Z}_{hij}, \hat{X}_{hij}$ are weighted value of area, holder, quantity of fertilizer or seed, characteristics z and x , respectively, from j^{th} agricultural household in the i^{th} EA and h^{th} stratum.

Since all strata are independent, the total variance at regional and country level is computed by aggregating the result obtained at Zone/Special Wereda level, i.e.

$$Var(\hat{A}) = \sum_h^L Var(\hat{A}_h), Var(\hat{Y}) = \sum_h^L Var(\hat{Y}_h), Var(\hat{R}) = \sum_h^L Var(\hat{R}_h)$$

Where, L is the number of strata (Zone/Special Wereda).

In estimating the sampling variance by the above formula, selection of EAs within a stratum is assumed to be with replacement. By so doing the variance estimate may be slightly over estimated but it greatly simplifies the estimation procedure.

6. Coefficient of Variation (CV) of Estimates:

Coefficient of Variations (CV's) in percentage for estimates of stratum total area, number of holders, applied fertilizer and sowed seed for a specific crop are given by:

$$CV(\hat{A}_h) = \frac{\sqrt{Var(\hat{A}_h)}}{\hat{A}_h} * 100, CV(\hat{Y}_h) = \frac{\sqrt{Var(\hat{Y}_h)}}{\hat{Y}_h} * 100, CV(\hat{Q}_h) = \frac{\sqrt{Var(\hat{Q}_h)}}{\hat{Q}_h} * 100,$$

$$CV(\hat{R}_h) = \frac{\sqrt{Var(\hat{R}_h)}}{\hat{R}_h} * 100$$

7. Ninety-five Percent Confidence Interval (CI) of Stratum Total of Area:

$$\hat{A}_h \pm 1.96 * SE(\hat{A}_h) \quad ,$$

Where, $SE(\hat{A}_h) = \sqrt{Var(\hat{A}_h)}$ is the standard error of the estimate of stratum total area.

Estimates of standard errors and confidence intervals for other estimates can also be calculated by adopting the above formulas.

APPENDIX II

ESTIMATES OF STANDARD ERRORS AND COEFFICIENT OF VARIATIONS

APPENDIX II Estimate of Inputs Applied Area, quantity of inputs used and their Standard Errors
and Coefficient of Variations

Crop	All fertilizer						DAP		
	Area (ha)			Quantity (qt)			Area (ha)		
	Estimate	S.E	C.V	Estimate	S.E	C.V	Estimate	S.E	C.V
All	6803601	123876	1.82	5246541	1888368	35.99	2048444	79681	3.89
Cereals	5575224	113277	2.03	3807014	1132388	29.74	1790913	74117	4.14
Teff	1886369	67188	3.56	1471172	491175	33.39	632205	36548	5.78
Barley	520112	31710	6.1	313891	60201	19.18	233597	22027	9.43
Wheat	1114188	55813	5.01	719527	91504	12.72	460218	42302	9.19
Maize	1347355	46668	3.46	898496	516725	57.51	250425	20498	8.19
Sorghum	436515	24656	5.65	236685	125864	53.18	49698	6178	12.43
Finger millet	250369	19804	7.91	146331	18439	12.6	154751	17009	10.99
Oats / 'Aja'	12850	2877	22.39	10958	6614	60.36	9777	2761	28.24
Rice	7466	3132	41.95	9954	6648	66.79	242	139	57.36
Pulses	389357	17372	4.46	219444	31736	14.46	159373	11472	7.2
Horse/Faba beans	158205	9137	5.78	93311	22390	24	58955	5398	9.16
Field Peas	61453	5924	9.64	31962	4449	13.92	32997	4565	13.83
Haricot beans	119008	11200	9.41	81652	17496	21.43	57272	8214	14.34
Chick peas	14081	2430	17.26	3466	1174	33.87	1995	665	33.33
Lentils	13341	1997	14.97	4728	1540	32.58	2665	749	28.12
Vetch / Grass peas	6272	1176	18.75	1146	616	53.72	612	343	55.94
Soya beans	2294	605	26.38	661	317	48.02	842	464	55.08
Fenugreek	13030	2575	19.76	1374	361	26.28	3622	2099	57.94
Gibto	1674	455	27.19	1144	417	36.42	412	203	49.32
Oilseeds	108584	10689	9.84	200045	132583	66.28	26198	4238	16.18
Neug	14898	2998	20.12	2735	798	29.19	7461	2479	33.22
Linseed	10658	1958	18.37	18291	15061	82.34	3411	1400	41.05
Groundnuts	11372	4244	37.32	5931	3229	54.43	1169	420	35.95
Safflower	2544	521	20.47	4083	2726	66.77	291	138	47.64
Sesame	34719	7613	21.93	7277	1427	19.6	9118	2538	27.83
Rapeseed	34393	3985	11.59	161728	131473	81.29	4749	1169	24.61
Vegetables	113945	9292	8.15	228252	175622	76.94	12990	1948	15
Lettuce	72	25	34.21	161	104	64.56	-	-	-
Head cabbage	3286	542	16.5	1536	499	32.48	424	212	49.88
Ethiopian cabbage	24379	1388	5.69	4907	1248	25.44	823	142	17.26
Tomatoes	5071	2298	45.31	4645	3653	78.63	661	320	48.46
Green peppers	4197	345	8.22	1968	591	30.02	394	120	30.52
Red peppers	76778	8888	11.58	215003	175580	81.66	10687	1896	17.74
Swiss chard	163	47	29.08	32	20	61.6	-	-	99.83
Root crops	122545	8754	7.14	215470	84447	39.19	30261	5393	17.82
Beetroot	1707	259	15.19	616	179	29.05	340	143	42.18
Carrot	2240	1233	55.04	208	89	42.87	89	52	57.97
Onion	21006	5327	25.36	86619	70329	81.19	6871	4011	58.38
Potatoes	47292	5445	11.51	84496	40816	48.3	20102	3512	17.47
Garlic	9929	3150	31.72	8305	3302	39.75	495	171	34.46
Taro 'Godere'	18877	1604	8.5	24317	21461	88.26	421	148	35.27
Sweet potatoes	21494	1741	8.1	10908	5497	50.39	1943	402	20.71
Other Temporary	49366	4641	9.4	71452	32440	45.4	5976	2251	37.67
Fruit crops	21426	1373	6.41	67132	46036	68.58	1230	267	21.73
Avocado	4193	398	9.5	8589	7815	90.99	95	26	26.91
Bananas	12315	1048	8.51	48805	43284	88.69	1017	252	24.75
Guava	422	88	20.84	122	51	42.15	2	1	62.21
Lemons	288	108	37.38	38	28	73.61	1	1	94.63
Mangoes	1806	232	12.87	8950	7872	87.96	61	22	35.87
Oranges	1361	245	18.01	289	118	40.71	50	23	46.22
Papayas	1024	225	22	341	191	56.15	3	2	76.78
Pineapples	17	7	41.27	-	-	-	-	-	-
Stimulant Crops	192784	10706	5.55	342978	274599	80.06	19993	4085	20.43
Chat	93367	7226	7.74	180818	136754	75.63	11106	2098	18.89
Coffee	88294	6644	7.53	159713	138072	86.45	8724	2349	26.93
Hops / 'Geshe'	11124	1158	10.41	2447	586	23.97	163	54	32.85
Enset	216826	10105	4.66	91286	86259	94.49	883	249	28.16
Sugar cane	7634	1092	14.31	2732	839	30.7	434	95	21.95
Other permanent	5909	2753	46.59	736	192	26.08	193	55	28.51

APPENDIX II (cont'd)

Crop	DAP			UREA					
	Quantity (qt)			Area (ha)			Quantity (qt)		
	Estimate	S.E	C.V	Estimate	S.E	C.V	Estimate	S.E	C.V
All	4001672	1853295	46.31	348973	23090	6.62	959866	311068	32.41
Cereals	2812134	1083267	38.52	291369	19108	6.56	729494	281893	38.64
Teff	947058	462019	48.78	130468	12295	9.42	388400	156883	40.39
Barley	282853	59835	21.15	13548	1852	13.67	11284	1686	14.94
Wheat	591021	88584	14.99	27129	3572	13.17	33708	10006	29.69
Maize	757882	513248	67.72	49024	4590	9.36	131356	59825	45.54
Sorghum	85278	40623	47.64	52272	8873	16.97	147537	86649	58.73
Finger millet	129067	16894	13.09	15972	2952	18.48	15479	7688	49.66
Oats / 'Aja'	10645	6612	62.12	252	153	60.79	189	124	65.93
Rice	8329	6503	78.08	2705	2374	87.77	1542	1373	89.1
Pulses	201101	31423	15.63	8464	1311	15.49	11958	3117	26.06
Horse/Faba beans	89395	22362	25.01	1809	374	20.7	2714	929	34.25
Field Peas	30267	4383	14.48	562	211	37.58	474	170	35.92
Haricot beans	74795	17125	22.9	2810	847	30.14	6149	2865	46.59
Chick peas	1126	322	28.56	570	307	53.81	759	432	56.84
Lentils	2756	1152	41.81	760	243	31.93	486	161	33.16
Vetch / Grass peas	469	320	68.2	831	584	70.24	659	478	72.47
Soya beans	497	309	62.21	309	157	50.94	164	77	47.28
Fenugreek	821	309	37.69	683	255	37.38	386	126	32.54
Gibto	977	398	40.71	132	120	91.02	168	125	74.72
Oilseeds	165196	131342	79.51	13946	3971	28.47	33090	16318	49.31
Neug	2071	701	33.83	271	140	51.54	233	140	60.13
Linseed	2428	680	28.02	577	238	41.24	15814	15045	95.14
Groundnuts	1301	426	32.77	4579	2857	62.39	4630	3041	65.67
Safflower	598	322	53.93	435	162	37.33	3417	2706	79.2
Sesame	4008	987	24.62	7110	2711	38.14	3054	922	30.2
Rapeseed	154790	131328	84.84	974	240	24.62	5943	2818	47.42
Vegetables	199992	175395	87.7	10876	1950	17.93	25314	8697	34.35
Lettuce	-	-	-	33	22	65.18	161	104	64.56
Head cabbage	889	361	40.58	268	182	67.64	568	335	58.9
Ethiopian cabbage	3492	880	25.2	257	140	54.35	1415	773	54.65
Tomatoes	852	366	43.02	221	142	64.23	3754	3634	96.81
Green peppers	1101	442	40.18	216	79	36.36	471	148	31.52
Red peppers	193656	175395	90.57	9871	1926	19.51	18918	7838	41.43
Swiss chard	3	3	99.83	10	7	75.73	28	20	71.57
Root crops	122353	46825	38.27	5346	1006	18.82	85687	70168	81.89
Beetroot	447	167	37.3	66	32	47.83	163	67	41.02
Carrot	106	50	47.2	20	10	50.59	89	73	81.11
Onion	9162	5224	57.02	2231	692	31	74628	70100	93.93
Potatoes	80028	40784	50.96	1413	543	38.39	3383	1470	43.47
Garlic	1137	312	27.41	445	125	28.06	3685	2215	60.1
Taro 'Godere'	21957	21431	97.61	322	163	50.69	2360	1139	48.27
Sweet potatoes	9516	5410	56.85	849	290	34.2	1380	687	49.77
Other Temporary	51071	30929	60.56	5189	1672	32.22	20043	6774	33.8
Fruit crops	49204	43281	87.96						
Avocado	583	170	29.22						
Bananas	47817	43281	90.52						
Guava	17	9	53.56						
Lemons	2	2	94.63						
Mangoes	457	176	38.47						
Oranges	232	110	47.44						
Papayas	96	66	68.86						
Pineapples	-	-	-						
Stimulant Crops	309546	274444	88.66						
Chat	153985	136475	88.63						
Coffee	154535	138064	89.34						
Hops / 'Gesho'	1025	355	34.58						
Enset	89332	86246	96.55						
Sugar cane	1222	267	21.87						
Other permanent	522	132	25.31						

APPENDIX II (cont'd)

Crop	UREA+DAP						INDIGENOUS SEED		
	Area (ha)			Quantity (qt)			Area (ha)		
	Estimate	S.E	C.V	Estimate	S.E	C.V	Estimate	S.E	C.V
All	2557880	86700	3.39	285004	47734	16.75	12717642	179370	1.41
Cereals	2383636	82590	3.46	265385	43342	16.33	8757886	138101	1.58
Teff	1018542	55071	5.41	135714	26544	19.56	2678803	77134	2.88
Barley	121266	11806	9.74	19754	5201	26.33	937425	43784	4.67
Wheat	536928	32201	6	94798	20513	21.64	1315794	58869	4.47
Maize	569956	33587	5.89	9258	1579	17.06	1423606	46435	3.26
Sorghum	70613	8326	11.79	3869	1386	35.82	1910715	70795	3.71
Finger millet	61606	7928	12.87	1785	555	31.11	431785	23871	5.53
Oats / 'Aja'	803	334	41.56	124	74	59.6	30568	4295	14.05
Rice	3922	1538	39.21	83	61	72.93	29191	10976	37.6
Pulses	48863	4654	9.53	6385	2422	37.93	1605849	46932	2.92
Horse/Faba beans	13511	1846	13.66	1202	396	32.92	455693	18600	4.08
Field Peas	8844	2184	24.7	1222	787	64.4	212346	11603	5.46
Haricot beans	13597	2412	17.74	709	313	44.14	326739	21241	6.5
Chick peas	2658	842	31.69	1581	1046	66.16	229333	18156	7.92
Lentils	5242	1440	27.46	1486	1009	67.87	109104	9040	8.29
Vetch / Grass peas	185	81	43.99	17	17	97.2	179461	17612	9.81
Soya beans	399	240	60.25	-	-	-	19055	6159	32.32
Fenugreek	3793	1125	29.65	167	95	56.83	39902	5696	14.27
Gibto	634	249	39.31	-	-	-	34216	6686	19.54
Oilseeds	32019	5212	16.28	1759	587	33.39	876352	54183	6.18
Neug	1866	492	26.37	431	321	74.43	308327	20410	6.62
Linseed	1254	388	30.93	49	29	59.43	116037	10437	8.99
Groundnuts	782	478	61.06	-	-	-	64319	10717	16.66
Safflower	803	372	46.32	69	67	97.26	8168	1524	18.66
Sesame	10374	4240	40.87	215	161	74.88	335270	48997	14.61
Rapeseed	16940	2902	17.13	995	459	46.15	44231	5082	11.49
Vegetables	43792	7946	18.15	2946	1417	48.1	157186	10294	6.55
Lettuce	1	1	88.47	-	-	-	160	77	47.96
Head cabbage	510	211	41.45	79	79	99.49	4461	648	14.52
Ethiopian cabbage	608	186	30.62	-	-	101.85	31582	1526	4.83
Tomatoes	3099	2146	69.25	40	40	99.33	6900	2395	34.7
Green peppers	339	101	29.82	396	333	84.03	6929	479	6.91
Red peppers	39234	7646	19.49	2429	1375	56.6	106895	9887	9.25
Swiss chard	1	1	74.75	2	2	99.39	259	67	25.98
Root crops	21031	3126	14.86	7430	4060	54.65	196758	10221	5.19
Beetroot	109	55	50.01	6	4	76.32	2371	350	14.76
Carrot	77	40	51.48	12	12	99.51	1394	356	25.52
Onion	7579	1991	26.27	2829	2238	79.11	29933	6300	21.05
Potatoes	10292	2247	21.84	1086	484	44.61	59294	5937	10.01
Garlic	1713	540	31.54	3484	2437	69.96	13259	3190	24.06
Taro 'Godere'	162	101	62.7	-	-	-	39474	2645	6.7
Sweet potatoes	1097	267	24.33	13	12	96.12	51034	3340	6.55
Other Temporary	6386	1931	30.25	339	290	85.59	110522	10968	9.92
Fruit crops							54413	3754	6.9
Avocado							7789	708	9.09
Bananas							32322	3079	9.53
Guava							1077	145	13.49
Lemons							825	180	21.78
Mangoes							7066	606	8.57
Oranges							3028	385	12.72
Papayas							2164	265	12.26
Pineapples							144	54	37.89
Stimulant Crops							628987	30941	4.92
Chat							164813	9691	5.88
Coffee							443295	28621	6.46
Hops / 'Geshe'							20879	1623	7.78
Enset							292416	13592	4.65
Sugar cane							20850	2131	10.22
Other permanent							16424	3953	24.07

APPENDIX II (cont'd)

Crop	INDIGENOUS SEED			IMPROVED SEED					
	Quantity (qt)			Area (ha)			Quantity (qt)		
	Estimate	S.E	C.V	Estimate	S.E	C.V	Estimate	S.E	C.V
All	9024833	198590	2.2	860,801	41,109	4.78	483,326	30,316	6.27
Cereals	7088017	173426	2.45	815,621	40,422	4.96	473,233	30,110	6.36
Teff	1401585	44547	3.18	49,859	5,966	11.97	20,910	2,316	11.08
Barley	1700171	86987	5.12	9,212	1,809	19.63	19,120	4,206	22
Wheat	2591286	133630	5.16	120,649	10,665	8.84	261,347	25,038	9.58
Maize	614272	21624	3.52	629,589	36,953	5.87	168,133	9,923	5.9
Sorghum	487711	18091	3.71	4,091	1,254	30.65	799	209	26.19
Finger millet	197448	13020	6.59	764	426	55.75	570	313	54.97
Oats / ‘Aja’	48520	7043	14.52	-	-	-	-	-	-
Rice	47025	20297	43.16	1,458	918	62.95	2,355	1,694	71.93
Pulses	1710432	60284	3.52	8,824	1,608	18.22	8,714	1,755	20.14
Horse/Faba beans	642583	32523	5.06	1,443	524	36.32	1,982	580	29.25
Field Peas	228755	13260	5.8	391	217	55.39	364	210	57.67
Haricot beans	253616	21670	8.54	4,334	1,209	27.89	3,042	797	26.2
Chick peas	250448	23307	9.31	1,568	781	49.78	2,233	1,148	51.42
Lentils	98119	9650	9.83	612	239	39.07	599	286	47.75
Vetch / Grass peas	188286	19609	10.41	159	132	82.98	251	179	71.3
Soya beans	12783	4716	36.89	312	210	67.21	242	168	69.34
Fenugreek	20727	3299	15.91	4	3	98.07	1	1	98.07
Gibto	15115	2785	18.42	-	-	-	-	-	-
Oilseeds	226385	13844	6.12	3,773	897	23.76	1,379	535	38.83
Neug	52908	3411	6.45	592	478	80.67	96	75	78.33
Linseed	64266	7892	12.28	306	208	68.01	91	56	61.92
Groundnuts	42313	7094	16.77	113	84	74.53	154	137	88.9
Safflower	3212	1398	43.52	-	-	-	-	-	-
Sesame	49725	6255	12.58	1,944	648	33.35	891	500	56.11
Rapeseed	13960	6169	44.19	819	326	39.76	147	83	56.27
Vegetables	-	-	-	2,451	872	35.57	-	-	-
Lettuce	-	-	-	4	2	62.16	-	-	-
Head cabbage	-	-	-	335	107	32.02	-	-	-
Ethiopian cabbage	-	-	-	31	12	39.67	-	-	-
Tomatoes	-	-	-	313	192	61.36	-	-	-
Green peppers	-	-	-	34	17	51.02	-	-	-
Red peppers	-	-	-	1,727	842	48.75	-	-	-
Swiss chard	-	-	-	7	4	61.34	-	-	-
Root crops	-	-	-	2,721	1,502	55.2	-	-	-
Beetroot	-	-	-	112	30	26.69	-	-	-
Carrot	-	-	-	1,746	1,454	83.24	-	-	-
Onion	-	-	-	471	279	59.28	-	-	-
Potatoes	-	-	-	212	75	35.55	-	-	-
Garlic	-	-	-	14	6	44.76	-	-	-
Taro ‘Godere’	-	-	-	23	12	51.78	-	-	-
Sweet potatoes	-	-	-	143	62	43.39	-	-	-
Other Temporary	-	-	-	64	33	50.79	-	-	-
Fruit crops							-	-	-
Avocado							-	-	-
Bananas							-	-	-
Guava							-	-	-
Lemons							-	-	-
Mangoes							-	-	-
Oranges							-	-	-
Papayas							-	-	-
Pineapples							-	-	-
Stimulant Crops				24,210	4,765	19.68	-	-	-
Chat							-	-	-
Coffee				24,021	4,765	19.84	-	-	-
Hops / ‘Gesho’							-	-	-
Enset							-	-	-
Sugar cane							-	-	-
Other permanent							-	-	-

APPENDIX II (cont'd)

Crop	PESTICIDE			IRRIGATION			EXTENSION PACKAGE		
	Area (ha)			Area (ha)			Area (ha)		
	Estimate	S.E	C.V	Estimate	S.E	C.V	Estimate	S.E	C.V
All	2,270,709	92,943	4.09	165,604	16,553	10	2,767,587	99,905	3.61
Cereals	2,124,307	89,403	4.21	74,647	8,689	11.64	2,450,757	89,068	3.63
Teff	986,489	55,127	5.59	10,126	1,688	16.67	708,907	41,265	5.82
Barley	196,857	19,626	9.97	3,771	956	25.34	179,350	16,164	9.01
Wheat	661,947	49,590	7.49	5,085	1,079	21.22	502,617	37,536	7.47
Maize	72,884	13,169	18.07	30,023	4,570	15.22	744,126	38,097	5.12
Sorghum	118,651	15,273	12.87	24,628	5,803	23.56	142,565	14,394	10.1
Finger millet	72,534	10,205	14.07	743	249	33.52	160,184	17,300	10.8
Oats / 'Aja'	12,729	2,622	20.6	28	18	64.79	6,694	2,111	31.53
Rice	2,215	1,227	55.4	242	180	74.18	6,313	3,379	53.52
Pulses	79,122	11,895	15.03	6,356	1,222	19.22	152,873	13,554	8.87
Horse/Faba beans	17,614	3,621	20.56	704	176	25	49,728	5,211	10.48
Field Peas	8,862	2,151	24.27	254	106	41.69	18,270	2,868	15.7
Haricot beans	16,249	5,245	32.28	2,026	646	31.86	40,497	6,665	16.46
Chick peas	15,392	4,906	31.87	766	291	38.06	16,089	4,580	28.47
Lentils	12,616	3,152	24.99	974	595	61.11	11,975	2,925	24.43
Vetch / Grass peas	8,063	4,235	52.52	1,079	528	48.91	9,218	3,675	39.87
Soya beans	110	92	83.28	27	25	93.9	1,595	640	40.1
Fenugreek	178	86	48.65	526	193	36.59	2,609	849	32.55
Gibto	37	23	62.56	-	-	-	2,892	922	31.89
Oilseeds	21,627	5,088	23.52	2,225	1,343	60.38	62,670	9,027	14.4
Neug	2,684	2,129	79.32	370	200	54	12,010	4,225	35.18
Linseed	15,816	4,505	28.48	60	22	37.39	4,881	1,015	20.79
Groundnuts	110	90	82.08	1,444	1,322	91.55	2,114	1,031	48.79
Safflower	164	90	54.67	9	8	89.1	942	255	27.05
Sesame	2,707	1,090	40.25	211	99	46.83	21,682	6,404	29.54
Rapeseed	147	117	79.39	130	84	64.45	21,041	3,656	17.38
Vegetables	9,120	2,822	30.94	7,835	2,327	29.71	29,650	7,061	23.81
Lettuce	-	-	-	19	10	51.24	22	19	87.04
Head cabbage	195	85	43.49	723	345	47.74	503	205	40.82
Ethiopian cabbage	345	184	53.42	693	230	33.14	580	165	28.47
Tomatoes	3,557	2,253	63.33	3,957	2,247	56.8	1,075	372	34.64
Green peppers	112	51	45.73	905	217	23.97	421	100	23.62
Red peppers	4,902	1,685	34.36	1,514	278	18.37	27,027	7,043	26.06
Swiss chard	9	5	57.73	23	9	38.07	22	9	42.61
Root crops	21,613	5,632	26.06	16,243	2,774	17.07	17,392	2,143	12.32
Beetroot	75	34	45.39	95	28	29.44	185	48	26.19
Carrot	37	29	77.46	107	36	34.09	817	739	90.43
Onion	10,693	4,609	43.11	7,527	2,289	30.41	3,424	1,104	32.25
Potatoes	10,091	3,218	31.89	3,930	869	22.12	9,023	1,419	15.72
Garlic	614	241	39.33	1,318	275	20.86	2,121	585	27.58
Taro 'Godere'	38	25	67.01	80	33	41.12	250	91	36.4
Sweet potatoes	65	32	48.74	3,186	1,109	34.8	1,572	323	20.54
Other Temporary	7,066	3,712	52.54	5,371	2,662	49.57	7,404	2,111	28.52
Fruit crops	90	28	31.24	8,532	2,738	32.1	1,363	253	18.56
Avocado	20	16	81.78	260	71	27.33	81	23	28.35
Bananas	26	11	44.35	5,703	2,411	42.27	733	210	28.67
Guava	1	1	100.09	420	90	21.53	149	42	28.52
Lemons	-	-	100.28	283	120	42.28	9	4	40.63
Mangoes	8	5	66.29	851	295	34.61	186	51	27.17
Oranges	32	19	59.4	700	175	24.97	134	67	49.94
Papayas	2	1	58.88	308	55	17.88	71	23	32.38
Pineapples	1	1	97.14	6	6	96.68	-	-	-
Stimulant Crops	6,775	1,263	18.64	33,047	4,413	13.35	39,209	6,420	16.37
Chat	6,019	1,239	20.58	23,561	3,782	16.05	22,581	4,100	18.16
Coffee	757	211	27.86	9,486	1,542	16.25	16,628	3,574	21.49
Hops / 'Gescho'	134	55	41.2	2,680	521	19.42	2,177	337	15.48
Enset	442	137	31.03	2,138	687	32.16			
Sugar cane	142	103	72.19	5,455	1,379	25.28	858	337	39.3
Other permanent	271	270	99.69	1,075	307	28.53	988	387	39.14

APPENDIX III

NUMBER OF EAs SAMPLED AND COVERED
NUMBER OF HOUSEHOLDS SAMPLED AND COVERED
NUMBER OF PARCELS AND FIELDS MEASURED

Appendix III(a). Number of Planned and Actually Covered Sampling Units (EAs & Households) of the 2010/11 (2003 E.C) Annual Agricultural Sample Survey (Meher Season).

	Stratum	Enumeration Areas		Households	
Region	Zone/Sp.wereda	Planned	Covered	Planned	Covered
Tigray	North Western Tigray	31	31	620	620
	Central Tigray	39	38	780	760
	Eastern Tigray	29	29	580	580
	Southern Tigray	38	36	760	719
	Western Tigray	25	25	500	500
	Region Total	162	159	3240	3179
Afar	Zone One	30	28	600	557
	Zone Three	20	18	400	342
	Region Total	50	46	1000	899
Amhara	North Gondar	49	49	980	979
	South Gondar	45	45	900	900
	North Wello	46	46	920	919
	South Wello	49	47	980	939
	North Shewa	47	45	940	900
	East Gojam	47	47	940	940
	West Gojam	46	46	920	920
	Wag Hemira	29	27	580	540
	Awi	32	32	640	638
	Oromia	28	28	560	559
	Argoba special wereda	20	20	400	400
	Region Total	438	432	8760	8634
Oromia	West Wellega	43	42	860	836
	East Wellega	40	40	800	798
	Illubabor	48	48	960	958
	Jimma	47	45	940	900
	West Shewa	44	44	880	880
	North Shewa	39	38	780	759

Appendix III(a)...(Cont'd)

Region	Stratum	Enumeration Areas		Households	
	Zone/Sp.wereda	Planned	Covered	Planned	Covered
Oromia	East Shewa	40	39	800	777
	Arsi	53	53	1060	1060
	West Harerghe	41	41	820	819
	East Harerghe	48	47	960	940
	Bale	44	44	880	880
	Borena	37	37	740	739
	South West Shewa	38	38	760	757
	Guji	38	38	760	758
	Kelem Wellega	39	38	780	760
	Horoguduru Wellega	36	35	720	698
	West Arsi	37	36	740	719
	Region Total	712	703	14240	14038
Somali	Shinile	20	20	400	397
	Jijiga	28	28	560	557
	Liben	24	24	480	472
	Region Total	72	72	1440	1426
Benishangul-Gumuz	Metekel	30	29	600	579
	Asosa	26	26	520	520
	Kemashi	20	18	400	360
	Mao Komo special wereda	20	20	400	400
	Region Total	96	93	1920	1859
SNNP	Guraghe	41	41	820	820
	Hadiya	33	33	660	660
	Kembata_Tambaro	33	33	660	657
	Sidama	45	45	900	896
	Gedeo	34	34	680	680
	Wolayita	39	39	780	780

APPENDIX III(a)...(Cont'd)

Region	Stratum	Enumeration Areas		Households	
	Zone/Sp.wereda	Planned	Covered	Planned	Covered
SNNP	South Omo	36	33	720	647
	Shaka	24	24	480	477
	Keffa	37	36	740	718
	Gamo_Gofa	42	40	840	800
	Bench_Maji	36	36	720	709
	Yem Specia Wereda	20	20	400	401
	Amaro Special W.	20	20	400	400
	Burji Special Wereda	20	20	400	400
	Konso Special Wereda.	20	20	400	400
	Derashe Special Wereda.	20	20	400	397
	Dawro	32	32	640	639
	Basketo Special Wereda.	20	20	400	398
	Konta Special Wereda.	20	20	400	400
	Siltie	30	30	600	600
	Alaba Special Wereda.	20	20	400	400
	Region Total	622	616	12440	12279
Gambela	Agnuak	24	24	480	510
	Nuer	18	11	360	329
	Mejenger	20	20	400	400
	Etang	18	12	360	360
	Region Total	80	67	1600	1599
Harari	Harari	24	24	480	480
Dire Dawa	Dire Dawa	24	24	480	480
Country Total		2,290	2273	47,080	45,575

Appendix III (b) Number of Parcels and Fields measured by Region and Zone

Region	Zone	Parcels	Fields
Tigray	North West Tigray	2189	4986
	Central Tigray	2605	6903
	Eastern Tigray	2028	6612
	Southern Tigray	3612	6202
	Western Tigray	1499	3240
Regional Total		11933	27943
Afar	zone one	1573	2261
	Zone Three	636	850
Regional Total		2209	3111
Amahara	North Gondor	5352	9270
	South Gondor	5553	10249
	North Wello	5009	10705
	South Wello	6963	13085
	North Shoa	6596	15357
	East Gojam	4751	9134
	West Gojam	5321	10096
	Waghmra	2864	5209
	Awi	3167	7176
	Oromia	1688	4171
	Argoba Special	1804	2804
Regional Total		49068	97256
Oromia	West Wellega	6406	16006
	East Wellega	3904	10688
	Iluababora	4164	12922
	Jimma	4122	15099
	West Shoa	4172	9935
	Noth Shoa	5058	9356
	East Shoa	3859	7164
	Arsi	4595	10464
	West harerge	2406	7324
	East Harerge	3793	8994
	Bale	3514	7940
	Borena	1506	4349
	South West Shoa	3062	9856
	Gugi	1607	5136
	West Arsi	2314	6918
	Kelem Welega	4686	11204
	horogudru welega	3684	9430
Regional Total		62852	162785

Appendix III (b) (cont'd) Parcels and Fields measured by Region and Zone

Region	Zone	Parcels	Fields
Somali	Shinle	725	1481
	Jijiga	1364	2707
	Liben	801	1594
Regional Total		2890	5782
Benshangul Gumuz	Metekel	2259	4703
	Assosa	2145	4519
	Kamashi	1145	2899
	Mao-Komo	1509	5209
Regional Total		7058	17330
SNNP	Guragie	1868	10885
	Hadiya	1357	9641
	Kenbata Tenbaro	1559	10856
	Sidama	1953	8446
	Gedeo	2083	5097
	Wolayita	1753	14357
	South Omo	1906	5976
	Sheka	1620	6082
	Kaffa	2090	10261
	Gamo-Goffa	2710	11456
	Bench-Magi	2325	8918
	Yem Special	2212	8734
	Amaro Special	1088	4759
	Burgi Special	1375	4398
	Konso Special	1436	2815
	Derashe Special	1128	2763
	Dawro	1200	9535
	Basketo	999	6277
	Konta	685	6832
	Silte	1600	7992
	Alaba Special	989	4990
Regional Total		33936	161070
Gambella	Agnwak	1097	2940
	Nuwer	1271	2018
	Mezengr	1558	4535
	Itang Special	1542	2137
Regional Total		5468	11630
Harari Region	Harari	2158	3374
Dire Dawa Administration	Dire Dawa	2049	3776
Country Total		179621	494057

APPENDIX IV

SURVEY QUESTIONNAIRE

CENTRAL STATISTICAL AGENCY
ETHIOPIAN AGRICULTURAL SAMPLE SURVEY 2011/12 (2004 E.C)

PART I – IDENTIFICATION PARTICULARS

1	2	3	4	5	6	7	8	9	10	11	12	13	14
Region	Zone	Wereda	PA / REST.AR	EA LOCAL	HH ID	HH HEAD SEX 1=M 2=F	HOLDER ID	HOLDER'S NAME	AGE	SEX M=1 F=2	HIGHEST GRADE COMPLETED	HOLDER'S HH SIZE	FARMING TYPE CROP=1 LIVEST=2 BOTH=3

PART II – CROP FIELD / OTHER LAND USE

15	16										17									
SER. NO.	QUESTIONS FOR THE HOLDER										PARCEL NO.		FIELD NO.							
											IS THE FIELD PURE STAND =1 MIXED CROP =2 OTHER LAND USE=3									
											CROP/OTHER NAME		CROP NAME		CROP NAME					
											CODE		CODE		CODE					
0	1	Ownership Own = 1 Rented in =2 Other =3																		
0	2	Is field under Extension Program? Yes =1 No = 2																		
0	3	Is Field Irrigated? Yes =1 No =2																		
0	4	If Field Irrigated source of water River =1 Lake =2 Pond =3 Harvested water =4 other =5																		
0	5	Is Field Prevented form Erosion Yes = 1 No =2																		
0	6	If yes in #5, common way of prevention Terracing = 1 Other =5 Water catchments =2 Afforestation = 3 Plough along the cont. = 4																		
0	7	Percent share of mixed crops																		
0	8	Number of Fruit Trees (excluding coffee, chat, pineapple, sugarcane)																		
0	9	Number of Fruit Bearing Trees (excluding coffee, chat, pineapple, sugarcane)																		
1	0	Seed / Seedling Type Improved Seed = 1 indigenous seed = 2																		
1	1	For Cereals, Pulses & Oilseeds only Quantity of improved seeds used										Kilo	Gram	Kilo	Gram	Kilo	Gram			
1	2	For Cereals, Pulses & Oilseeds only Price of improved seeds used										Birr	Cents	Birr	Cents	Birr	Cents			
1	3	For Cereals, Pulses & Oilseeds only Quantity of indigenous seeds used										Kilo	Gram	Kilo	Gram	Kilo	Gram			
1	4	Was crop damaged ? Yes = 1 No =2																		
1	5	If yes in question number 14, Cause of damage Code																		
1	6	Percent of damaged crop																		
1	7	Prevention/precaution measure taken? Yes =1 No =2																		
1	8	Type of measure if any? Chemical = 1 Non – chemical = 2 Both = 3																		
1	9	Chemical type used if any Pesticide =1 herbicide =2 Fungicide =3 1&2 = 4 1 & 3 = 5 2 & 3 = 6 All = 7																		
2	0	Is Fertilizer Used? Yes =1 No = 2																		
2	1	Type of fertilizer used if any? Natural = 1 Chemical = 2 Both = 3																		
2	2	If chemical fertilizer used 22.1 Type UREA = 1 DAP = 2 Both = 3																		
		22.2 Quantity of chemical fertilizer used										Kilo		Gram						
2	3	If natural fertilizer used, type Manure = 1 Compost = 2 Organic = 3 1 & 2 = 4 1&3 = 5 2 & 3 = 6 All = 7 others = 8																		
2	4	How often is temporary crop field used in Meher (main) season?																		
2	5	If twice in #24 which crop is the 2 nd harvest?										Crop name	code	Crop name	code	Crop name	code			
2	6	What was the previous state of the field ? Fallow =1 crop field =2 Virgin =3 Rented in cropfield =4 other =5																		

PART III – RESULTS OF AREA MEASUREMENTS

18	19	20	21	22	23	24	25	26
Is the field measured?		Yes =1		No = 2		Code →		
Side	1 - 2	2 - 3	3 -	4 -	5 -	6 -	7 -	8 -
Bearing (0)	<div style="background-color: #cccccc; width: 20px; height: 15px;"></div>	<div style="background-color: #cccccc; width: 20px; height: 15px;"></div>	<div style="background-color: #cccccc; width: 20px; height: 15px;"></div>	<div style="background-color: #cccccc; width: 20px; height: 15px;"></div>	<div style="background-color: #cccccc; width: 20px; height: 15px;"></div>	<div style="background-color: #cccccc; width: 20px; height: 15px;"></div>	<div style="background-color: #cccccc; width: 20px; height: 15px;"></div>	<div style="background-color: #cccccc; width: 20px; height: 15px;"></div>
Length	<div style="border: 1px solid black; width: 20px; height: 15px;"></div>	<div style="border: 1px solid black; width: 20px; height: 15px;"></div>	<div style="border: 1px solid black; width: 20px; height: 15px;"></div>	<div style="border: 1px solid black; width: 20px; height: 15px;"></div>	<div style="border: 1px solid black; width: 20px; height: 15px;"></div>	<div style="border: 1px solid black; width: 20px; height: 15px;"></div>	<div style="border: 1px solid black; width: 20px; height: 15px;"></div>	<div style="border: 1px solid black; width: 20px; height: 15px;"></div>
Side	9 -	10 -	11 -	12 -	13 -	14 -	15 -	16 -
Bearing(0)	<div style="background-color: #cccccc; width: 20px; height: 15px;"></div>	<div style="background-color: #cccccc; width: 20px; height: 15px;"></div>	<div style="background-color: #cccccc; width: 20px; height: 15px;"></div>	<div style="background-color: #cccccc; width: 20px; height: 15px;"></div>	<div style="background-color: #cccccc; width: 20px; height: 15px;"></div>	<div style="background-color: #cccccc; width: 20px; height: 15px;"></div>	<div style="background-color: #cccccc; width: 20px; height: 15px;"></div>	<div style="background-color: #cccccc; width: 20px; height: 15px;"></div>
Length	<div style="border: 1px solid black; width: 20px; height: 15px;"></div>	<div style="border: 1px solid black; width: 20px; height: 15px;"></div>	<div style="border: 1px solid black; width: 20px; height: 15px;"></div>	<div style="border: 1px solid black; width: 20px; height: 15px;"></div>	<div style="border: 1px solid black; width: 20px; height: 15px;"></div>	<div style="border: 1px solid black; width: 20px; height: 15px;"></div>	<div style="border: 1px solid black; width: 20px; height: 15px;"></div>	<div style="border: 1px solid black; width: 20px; height: 15px;"></div>
Side	17 -	18 -	19 -	20 -	21 -	22 -	23 -	24 -
Bearing (0)	<div style="background-color: #cccccc; width: 20px; height: 15px;"></div>	<div style="background-color: #cccccc; width: 20px; height: 15px;"></div>	<div style="background-color: #cccccc; width: 20px; height: 15px;"></div>	<div style="background-color: #cccccc; width: 20px; height: 15px;"></div>	<div style="background-color: #cccccc; width: 20px; height: 15px;"></div>	<div style="background-color: #cccccc; width: 20px; height: 15px;"></div>	<div style="background-color: #cccccc; width: 20px; height: 15px;"></div>	<div style="background-color: #cccccc; width: 20px; height: 15px;"></div>
Length	<div style="border: 1px solid black; width: 20px; height: 15px;"></div>	<div style="border: 1px solid black; width: 20px; height: 15px;"></div>	<div style="border: 1px solid black; width: 20px; height: 15px;"></div>	<div style="border: 1px solid black; width: 20px; height: 15px;"></div>	<div style="border: 1px solid black; width: 20px; height: 15px;"></div>	<div style="border: 1px solid black; width: 20px; height: 15px;"></div>	<div style="border: 1px solid black; width: 20px; height: 15px;"></div>	<div style="border: 1px solid black; width: 20px; height: 15px;"></div>
Side	25 -	26 -	27 -	28 -	29 -	30 -	31 -	32 -
Bearing (0)	<div style="background-color: #cccccc; width: 20px; height: 15px;"></div>	<div style="background-color: #cccccc; width: 20px; height: 15px;"></div>	<div style="background-color: #cccccc; width: 20px; height: 15px;"></div>	<div style="background-color: #cccccc; width: 20px; height: 15px;"></div>	<div style="background-color: #cccccc; width: 20px; height: 15px;"></div>	<div style="background-color: #cccccc; width: 20px; height: 15px;"></div>	<div style="background-color: #cccccc; width: 20px; height: 15px;"></div>	<div style="background-color: #cccccc; width: 20px; height: 15px;"></div>
Length	<div style="border: 1px solid black; width: 20px; height: 15px;"></div>	<div style="border: 1px solid black; width: 20px; height: 15px;"></div>	<div style="border: 1px solid black; width: 20px; height: 15px;"></div>	<div style="border: 1px solid black; width: 20px; height: 15px;"></div>	<div style="border: 1px solid black; width: 20px; height: 15px;"></div>	<div style="border: 1px solid black; width: 20px; height: 15px;"></div>	<div style="border: 1px solid black; width: 20px; height: 15px;"></div>	<div style="border: 1px solid black; width: 20px; height: 15px;"></div>
Field Measurement	date	month	Closure error		Area in square meters			
	<div style="border: 1px solid black; width: 20px; height: 15px;"></div>	<div style="border: 1px solid black; width: 20px; height: 15px;"></div>	<div style="border: 1px solid black; width: 20px; height: 15px;"></div>	<div style="border: 1px solid black; width: 20px; height: 15px;"></div>	<div style="border: 1px solid black; width: 20px; height: 15px;"></div>	<div style="border: 1px solid black; width: 20px; height: 15px;"></div>	<div style="border: 1px solid black; width: 20px; height: 15px;"></div>	
For fields selected		Selected corner number		Shortest side length		Random number		
For crop cutting		Shortest side Bearing		Longest side length		Random number		

CENTRAL STATISTICAL AGENCY
ETHIOPIAN AGRICULTURAL SAMPLE SURVEY 2011/12 (2004 E.C)

PART I – IDENTIFICATION PARTICULARS

1	2	3	4	5	6	7	8	9	10	11	12	13	14
Region	Zone	Wereda	PA / REST.AR	EA LOCAL	HH ID	HH HEAD SEX 1=M 2=F	HOLDER ID	HOLDER'S		SEX M=1 F=2	HIGHEST GRADE COMPLETED	HOLDER'S HH SIZE	FARMING TYPE CROP=1 LIVEST=2 BOTH=3
								NAME	AGE				

PART II – MISCELLANEOUS QUESTIONS FOR THE HOLDER

15	16	17
SER.NO.	QUESTIONS	CODE
1	Do you exercise crop rotation on your land holding? Yes = 1 No = 2	
2	Reason for not using chemical fertilizers on any one of your crop fields Ignorance = 1 High price = 2 Lack of Money = 3 Non – availability of supply = 4 lack of credit service = 5 Skeptical of the outcome = 6 Others (specify) = 7	
3	Reason for not participating in Extension Program Ignorance = 1 Lack of Money = 2 Skeptical of the outcome = 3 Non – availability of the program = 4 Lack of adequate crop fields = 5 Others (specify) = 6	
4	Do you get credit services? Yes = 1 No = 2	
5	If no in # 4 Why? Non availability of the service = 1 Unable to pay the loan = 2 Inadequate services provided = 3 Ignorance = 4 Does not yield any results = 5 Others = 6	
6	Do you get advisory services? Yes = 1 No = 2	
7	If no in # 6 Why? Non availability of the service = 1 Inadequate services provided = 2 Inadequate services provided = 2 Ignorance = 3 Does not yield any results = 4 Others = 5	
8	Your major supplier of fertilizer is Government organizations = 1 Private organizations = 2 Merchants = 3 Others (Specify) = 4 Never used fertilizer = 5	
9	How many oxen do you have in this Meher season?	
10	If you have one or no ox how do you plough? By renting ox = 1 By pairing mine with someone's ox = 2 By pairing mine with cow/ horse = 3 Using horses or cows = 4 Hand digging = 5 Using borrowed oxen = 6 others = 7	
11	Total number of fields recorded for the holder	
12	Total number of crop fields recorded for the holder	
13	Has the holder ploughed additional fields over that of the previous year? Yes = 1 No = 2	
14	If yes in question # 13, what was the previous state of the additional fields? Holder's virgin land = 1 Public/ Community virgin land = 2 Borrowed fallow land = 3 Other = 4	