

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

**AGRICULTURAL SAMPLE SURVEY  
2013/14 [2006 E.C.]**

**VOLUME II**

**REPORT ON  
LIVESTOCK AND LIVESTOCK CHARACTERISTICS  
(PRIVATE PEASANT HOLDINGS)**



**ADDIS ABABA  
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## **Table of Contents**

	Page
<b>CHAPTER I.INTRODUCTION AND OBJECTIVES OF THE SURVEY---</b>	<b>1</b>
1.1 Introduction -----	1
1.2 Objectives of the Survey-----	2
 <b>CHAPTER II.SURVEY METHODOLOGY AND OPERATIONS-----</b>	 <b>3</b>
2.1 Coverage -----	3
2.2 Sampling Frame-----	3
2.3 Sample Design-----	3
2.4 Selection Procedure-----	4
2.5 Basic Concepts and Definitions-----	5
2.6 Field Organization-----	6
2.7 Training of Field Staff-----	7
2.8 Method of Data Collection-----	7
2.9 Data Processing -----	8
2.9.1 Editing, Coding, and Verification-----	8
2.9.2 Data Entry, Cleaning, and Processing-----	8
 <b>CHAPTER III.SUMMARY OF THE SURVEY RESULTS-----</b>	 <b>9</b>
3.1 LIVESTOCK NUMBER BY BREED, AGE, SEX, AND PURPOSE--	9
3.1.1 Cattle Population-----	9
3.1.2 Sheep and Goat Populations-----	12
3.1.3 Horse, Donkey, Mule, and Camel Populations-----	16
3.1.4 Poultry Population-----	20
3.1.5 Beehive Population-----	22
3.2 NUMBERS OF BIRTHS, PURCHASES, AND ACQUIRED ANIMALS BY TYPE -----	23
3.3 NUMBERS OF SALES, SLAUGHTERS, DEATHS, AND OFFERINGS BY TYPE -----	24
3.4 LIVESTOCK PRODUCTS-----	27
3.4.1 Milk Production-----	27
3.4.2 Honey Production-----	28

3.4.3 Egg Production-----	28
3.5 LIVESTOCK VACCINATION, DISEASES, AND TREATMENT -----	29
3.6 NUMBER OF HOLDINGS BY SIZE OF LIVESTOCK-----	31
3.7 ANIMAL FEED-----	33
3.8 LIVESTOCK EXTENSION-----	35
Statistical Tables-----	37
Annex Tables-----	164
Appendix I-----	174
Appendix II-----	177
Appendix III -----	181

### **Abbreviations**

CSA	-	Central Statistical Agency
CV	-	Coefficient of Variation
E.C.	-	Ethiopian Calendar
EA	-	Enumeration Area
NA	-	Not Available
SE	-	Standard Error
SNNP	-	Southern Nation Nationalities and People's Region



## **CHAPTER I**

### **INTRODUCTION AND OBJECTIVES OF THE SURVEY**

#### **1.1 INTRODUCTION**

Ethiopia is believed to have the largest livestock population in Africa. This livestock sector has been contributing considerable portion to the economy of the country, and still promising to rally round the economic development of the country. It is eminent that livestock products and by-products in the form of meat, milk, honey, eggs, cheese, and butter supply etc. provide the needed animal protein that contribute to the improvement of the nutritional status of the people. Livestock also plays an important role in providing export commodities, such as live animals, hides, and skins to earn foreign exchanges to the country. On the other hand, draught animals provide power for the cultivation of the smallholdings and for crop threshing virtually all over the country and are also essential modes of transport to take holders and their families long-distances, to convey their agricultural products to the market places and bring back their domestic necessities. Livestock as well confer a certain degree of security in times of crop failure, as they are a “near-cash” capital stock. Furthermore, livestock provides farmyard manure that is commonly applied to improve soil fertility and also used as a source of energy.

Due to the very important role that the livestock sector plays in the economy of the country, formulation of development plan regarding the sector is indispensable. It is therefore imperative that livestock development plans should be formulated on the basis of reliable statistical data, and hence, timely and accurate livestock data are required for the formulation, implementation, monitoring, and evaluation of development plan and program in the sector. These livestock data can be generated usually using surveys and censuses. In this regard, subsequent surveys and a solitary agricultural census have been carried out by the Central Statistical Agency (CSA) to make available data on livestock though they were not comprehensive. The 2013/14 Annual Agricultural Sample Survey was also

conducted to produce these same data so as to keep hold of continuity and update users in general.

In this report: estimates of livestock that include cattle, sheep, goats, draught animals (horses, mules, donkeys and camels), poultry and beehives were made based on the information obtained from the holders within the sampled agricultural households in rural sedentary areas of the country as to the reference date (November 10, 2013 or Hidar 1, 2006 E.C.) and reference period (November 11, 2012 to November 10, 2013 or Hidar 2, 2005 E.C. to Hidar 1, 2006 E.C.). The report comprises the results obtained from the livestock survey as well as brief discussions made on the results. The survey results at regional and zonal levels for the sedentary rural areas are presented in Statistical Tables 3.1 - 3.30. The standard errors (SE) and coefficients of variation (CV) are given in Annex Tables 1 – 10, for some variables.

## **1.2 OBJECTIVES OF THE SURVEY**

The general objective of the livestock survey is to produce data that could be used for development planning and policy formulation regarding the sector, and the specific objectives are to provide quantitative information on the size and characteristics of livestock in rural sedentary areas at zonal level. In order to meet these objectives, data on: livestock number by type, age, sex, purpose and breed; livestock products particularly milk, egg, and honey; livestock diseases and vaccination; and animal feed were collected from sampled agricultural households in rural sedentary areas.



## **CHAPTER II**

### **SURVEY METHODOLOGY AND OPERATIONS**

#### **2.1 COVERAGE**

The 2013/14 (2006 E.C.) Annual Livestock Sample Survey covered the rural agricultural population in all the regions 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 2,250 enumeration areas (EAs) were selected. However, due to various reasons that are beyond control, in 19 EAs the survey could not be successful and hence interrupted. Thus, all in all the survey succeeded to cover 2,231 EAs (99.16%) throughout the regions. The Livestock Sample Survey was conducted on the basis of 30 agricultural households selected from each EA. Regarding the ultimate sampling units, it was intended to cover a total of 67,500 agricultural households, however, 66,400 (98.37%) were actually covered by the survey.

#### **2.2 SAMPLING FRAME**

The list containing EAs of all regions and their respective agricultural households obtained from the 2007 (1999 E.C). Population and Housing Census Frame was used as the sampling frame in order to select EAs (Primary Sampling Units). Consequently, all sample EAs were selected from this frame based on the design proposed for the survey. Second stage sampling units households, on the other hand, were selected from a fresh list of households that were prepared for each EA at the beginning of the survey.

#### **2.3 SAMPLE DESIGN**

A two stage stratified cluster sample design was used to select the sample in which the clusters or primary sampling units (PSUs) were enumeration areas and second stage sampling units were agricultural households. Each zones/special wereda of

the four regions (Tigray, Amahara, Oromiya and SNNP) was further stratified in to three agro-ecologies (Kolla, Dega and Weyina Dega). Except Harari and Dire Dawa, where each region as a whole is considered to be the domain of estimation, every zone/special wereda in each region was taken as a stratum for which major findings of the survey are reported.

**Summery Table II.1: Total and covered Zones/Strata by Region**

Region	Number of Zones/ Strata	
	Total	Covered
Tigray	5	5
Afar	5	2
Amhara	11	11
Oromiya	17	17
Somalie	9	3
Benishangul Gumuz	4	4
S.N.N.P.R	18	18
Gambela	4	4
Hareri	1	1
Dire Dawa	1	1
<b>Total</b>	<b>75</b>	<b>66</b>

## 2.4 SELECTION SCHEME

Enumeration areas from each stratum were selected systematically using probability proportional to size sampling technique; size being number of households of EAs obtained from the 2007 (1999 E.C) Population and Housing Census. Within each sample EA 30 agricultural households were selected systematically from the fresh list of households prepared at the beginning of the survey.

Distribution of sampling units (sampled and covered EAs) by stratum is also presented in Appendix-I. Moreover, estimation procedures of different estimates are provided in the Appendix II. Estimates of Standard Errors and Coefficient of Variations for selected estimates are also presented in the *Annex Tables 1-10*.

## 2.5 BASIC CONCEPTS AND DEFINITIONS

It is thought essential that the definitions used for some key terms in the survey should be laid open and these are given as follows.

***Enumeration Area (EA):*** An enumeration area in rural parts of the Country is a locality that is less than or equal to a farmer's association area and usually consists of 150-200 households.

***Households:*** A household may be either;

a) A one person household, that is a person who makes provision for his own food or other essentials for living without 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 provision for food or other essentials for living. The persons in the group may pool their incomes and have a common budget to greater or lesser extent. They may be related or unrelated persons, or a combination of both.

***Agricultural Households:*** A household is considered an agricultural household when at least one member of the household is engaged in growing crops and /or breeding and raising livestock in private or in partnership with others.

***Holder:*** A holder is a person who exercises management control over the operations of the agricultural holding and takes the major decision regarding the utilization of the available resources. He also has technical and economic responsibility for the holding. He may operate the holding directly as an owner or as a manager.

Under conditions of traditional agricultural holding the holder may be regarded as the person, who with or without help of others, operates land or raises livestock in

his own right, i.e. the person who decides on what, when, where and how to grow crops or raise livestock and has right to determine the utilization of the products.

***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 technical unit by one person alone, or with others, without regard to title, legal form, size or location.

***Draught Animal:*** For this survey, it refers to animals that are engaged in activities such as ploughing, threshing... etc.

***Dairy Cow:*** Refers to any type of cow used to give milk previously and/or provide milk currently or have never given milk before and pregnant now. Heifers are not included in this category.

***Milking Cow:*** Refers to cows actually milked during the year, Nov 11, 2012 to Nov 10, 2013.

***Meat Animals:*** Cattle, sheep, goats, and camels reared only for meat either for home consumption and/or for sale, are defined as meat animals.

***Laying Hens:*** Refer to all hens and pullets of all types that laid eggs during the reference period, Nov 11, 2012 to Nov 10, 2013.

***Other Purposes:*** Cattle which participate in activities such as transporting and the like other than animals kept for draught, milk and beef purposes are categorized as cattle for other purposes. Moreover, Sheep and Goats that are kept for other purposes other than breeding, wool, meat, and milk production are included in this category.

## **2.6 FIELD ORGANIZATION**

The entire 25 Branch Statistical Offices of the CSA participated in the survey undertaking, especially in organizing the second stage training, in deploying the

field staff to their respective sites of assignment, and retrieving completed questionnaires and submitting them to the head office for data processing. They were also responsible in administering the financial and logistic aspect of the survey within the areas of their assignment. In the data collection, enumerators and field supervisors were involved with an average supervisor-enumerator ratio of 1 to 4. To accomplish the data collection operation, all the enumerators were supplied with the necessary survey equipment at the completion of the training. To assist the data collection activities in deployment, supervision, and retrieval of completed questionnaires, reasonably adequate four-wheel vehicles were used.

## **2.7 TRAINING OF FIELD STAFF**

The field staff-training program was carried out in two stages. The first-stage consisted of trainees from the head office, Branch Statistical Office heads, statistician and some of the field supervisors. The training was given for about six days at Mekele town. Many of these personnel trained in the first-stage conducted similar training for field supervisors and enumerators for about three weeks in branch offices, which are distributed around the country. During the second-stage training, the field staff were given detailed classroom instruction on the objectives and uses of the survey, concepts and definitions of terms used, interviewing procedures, how to fill questionnaires, ...etc. The enumerators' training also includes a field practice to strengthen the concepts discussed in the classroom.

## **2.8 METHOD OF DATA COLLECTION**

In each selected site, a fresh list of households was prepared and then agricultural households were identified from the list of households. From these identified agricultural households, 30 agricultural households were selected using systematic sampling techniques. Thus, all agricultural holders belonging to each selected agricultural households were interviewed and the appropriate data were collected. The reference date for enumerating livestock, poultry, & beehives was November 10, 2013 (Hidar 1/2006 E.C.).

## **2.9 DATA PROCESSING**

### **2.9.1 Editing, Coding, and Verification**

The editing and coding instruction manuals were prepared, and intensive training was given to the editor-coders. Those trained editors-coders were accomplished the editing and coding tasks. In due course, professional staff members were assigned to facilitate the editing and coding activities and the edited and coded questionnaires were verified by statistical technicians as well as by professionals.

### **2.9.2 Data Entry, Cleaning, and Processing**

The data were entered in personal computers by data encoders using CSpro (Census and survey Processing system) software. Then the data were checked and cleaned by regular staff members. Finally, the data processing activity was also done by personal computers (PCs) to produce results that were indicated in the tabulation plan.

## **CHAPTER III SUMMARY OF THE SURVEY RESULTS**

### **3.1 LIVESTOCK NUMBER BY BREED, AGE, SEX AND PURPOSE**

The 2013/14 livestock survey has covered the rural sedentary areas of the country on sample basis. The total number of each type of livestock as well as the numbers disaggregated by breed, age, sex, and purpose possessed by holders on the reference date (November 10, 2013), irrespective of ownership, were recorded by interviewing each holder within the selected agricultural households in the sampled enumeration areas of the country. The numbers also include the livestock belonging to the holding but temporarily away or in transit at the time of the enumeration.

#### **3.1.1 Cattle Population**

The estimates of cattle for the rural sedentary areas at country level are presented in Summary Table III.1. As shown on the table, the total cattle population for the country is estimated to be about 55.03 million. Out of this total cattle population, the female cattle constitute about 55.38 percent and the remaining 44.62 percent are male cattle.

Regarding age groups, the majority of the cattle population (that is about 63.56 percent) is in the 3 years and less than 10 years age category, with about 27.48 percent male and about 36.08 percent female. Moreover, about 16.4 percent are between age one and three years and those with age category 10 years and over took small portion i.e. 2.58 percent of the total estimated number of cattle population (also see Fig III.1).

On the other hand, the results obtained indicated that 98.71 percent of the total cattle in the country are local breeds. The remaining are hybrid and exotic breeds that accounted for about 1.15 percent and 0.14 percent, respectively. Moreover, distribution of cattle by purpose is given in the same table. Among cattle aged 3

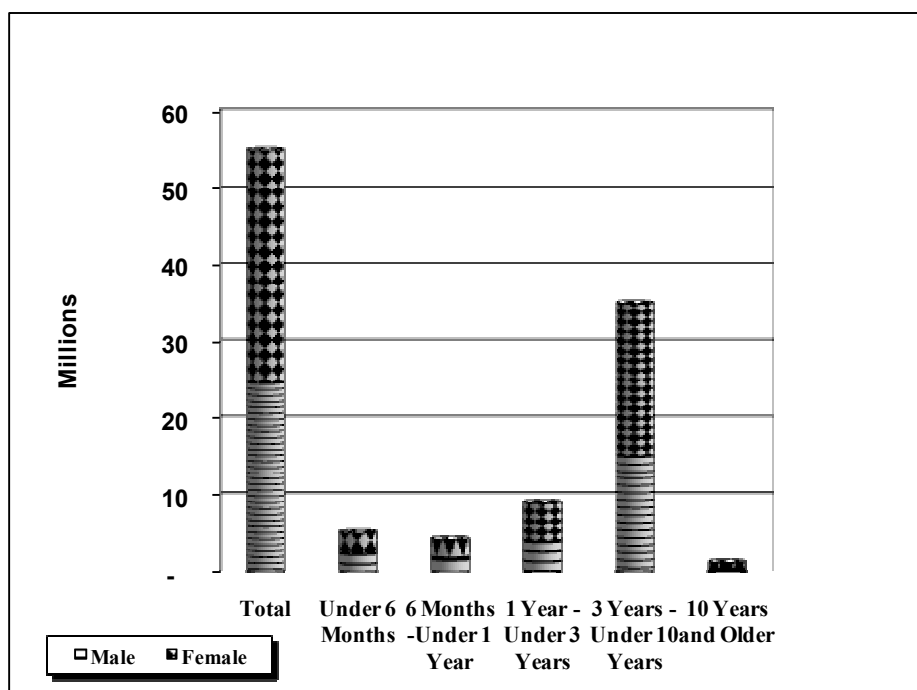
years and less than 10 years, those used for draught purposes accounted for 25.02 percent and the percentage share of beef cattle is the lowest that is about 0.77 percent. Beef cattle here refer to all cattle reared exclusively for meat that is used either for home consumption or for sale.

SUMMARY TABLE III.1: Estimated Number of Cattle by Sex, Age, Breed and Purpose, Ethiopia - 2013/14

Age, Breed, and Purpose	Total		Male		Female	
	Number	%	Number	%	Number	%
Total .....	55,027,280	100	24,555,570	44.62	30,471,710	55.38
Under 6 months .....	5,228,666	9.5	2,514,073	4.57	2,714,593	4.93
6 months - under 1 year .....	4,380,095	7.96	2,099,315	3.82	2,280,780	4.14
1 year – under 3 years.....	9,026,584	16.4	4,095,873	7.44	4,930,712	8.96
3 years – under 10 years .....	34,974,795	63.56	15,121,553	27.48	19,853,243	36.08
10 years and older.....	1,417,140	2.58	724,758	1.32	692,382	1.26
Cattle by Breed						
Total .....	55,027,280	100	24,555,570	44.62	30,471,710	55.38
Indigenous .....	54,315,119	98.71	24,294,557	44.15	30,020,562	54.56
Hybrid.....	634,815	1.15	234,654	0.43	400,161	0.73
Exotic .....	77,346	0.14	26,359	0.05	50,987	0.09
Aged 3 – 10 Years by Purpose						
Total .....	34,974,795	63.56	15,121,553	27.48	19,853,243	36.08
Used for Milk .....	6,675,466	12.13			6,675,466	12.13
Used for Draught.....	13,768,362	25.02	13,549,045	24.62	219,317	0.4
Used for Beef.....	424,377	0.77	361,070	0.66	63,306	0.12
Used for Breeding.....	12,295,925	22.35	620,322	1.13	11,675,603	21.22
Used for Other .....	1,810,666	3.29	591,115	1.07	1,219,551	2.22
Dairy Animals						
Dairy Cows.....	6,675,466	12.13			6,675,466	12.13
Milking Cows.....	10,731,656	19.5			10,731,656	19.5



FIGURE III.1 DISTRIBUTION OF CATTLE BY AGE AND SEX



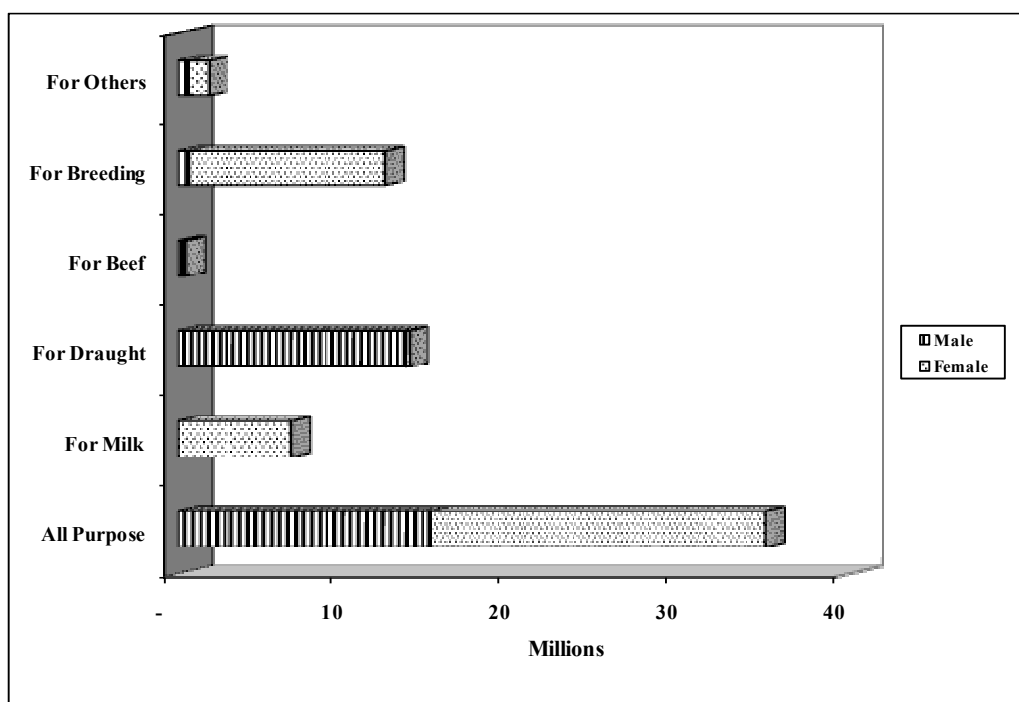
Dairy-cows<sup>1</sup> are estimated to be around 6.68 million and milking-cows<sup>2</sup> are about 10.73 million heads during the reference period.

Moreover, cattle population by sex, age, breed, and purpose are presented for each region and each zone in the Statistical Tables given at the end of this chapter.

<sup>1</sup> A Dairy Cow refers to a cow that is primarily kept for milk and has been milked previously or was being milked at the time of enumeration or has never been milked before but expected to be milked in the future or pregnant at the time of enumeration.

<sup>2</sup> A Milking Cow refers to any type of cow that actually milked during the reference period (Nov. 11, 2011 to Nov. 10, 2012).

**FIGURE III.2 - DISTRIBUTION OF CATTLE AGED 3 AND LESS THAN 10 YEARS BY PURPOSE AND SEX**



### 3.1.2 Sheep And Goat Populations

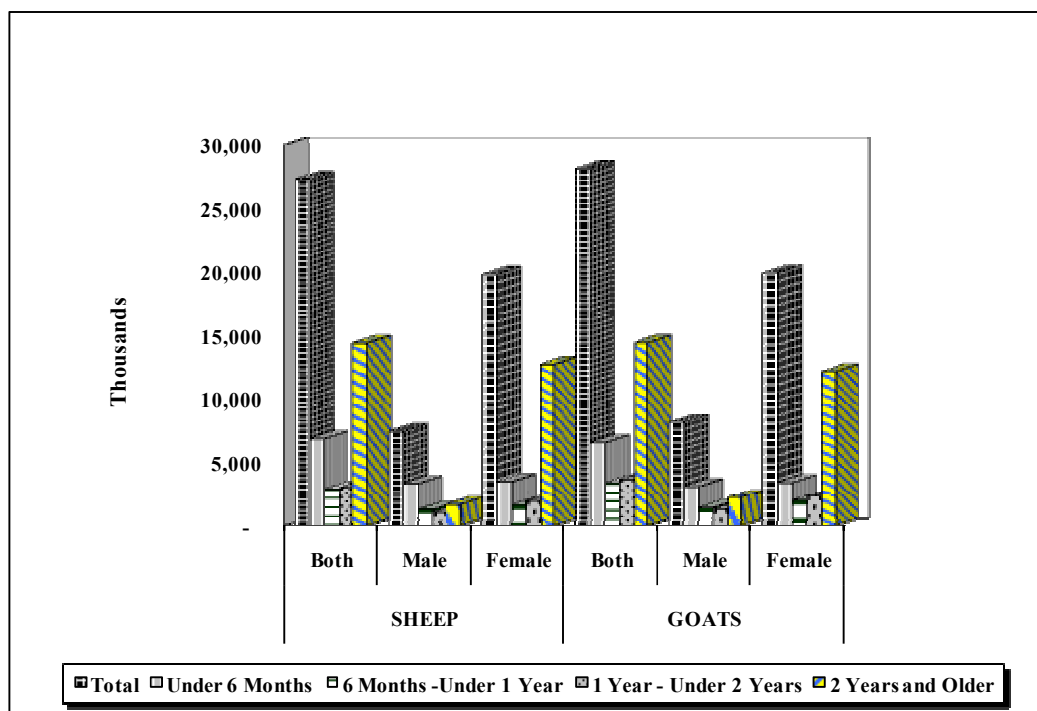
The estimated numbers and percentage distributions of sheep and goats in the rural sedentary areas of the country are given in Summary Table III.2. As pointed out in this table, about 27.35 million sheep are estimated to be found in the country, out of which about 72.72 percent are females, and about 27.28 percent are males. According to the survey result, the number of goats reported in the country is estimated to be about 28.16 million. Out of these total goats, 70.98 percent are females and about 29.02 percent are males (see Summary Table III. 2 and Figure III. 3).

SUMMARY TABLE III.2: Estimated Numbers of Sheep and Goats by Sex, Age, Breed,  
and Purpose, Ethiopia - 2013/14

Age, Breed, and Purpose	Total		Male		Female	
	Number	%	Number	%	Number	%
Total Sheep .....	27,347,933	100	7,460,710	27.28	19,887,223	72.72
Under 6 months .....	6,900,634	25.23	3,379,919	12.36	3,520,715	12.87
6 months - under 1 year .....	2,961,178	10.83	1,315,379	4.81	1,645,799	6.02
1 year - under 2 years .....	3,055,594	11.17	1,086,210	3.97	1,969,383	7.2
2 years and older .....	14,430,527	52.77	1,679,201	6.14	12,751,326	46.63
Sheep by Breed						
Total .....	27,347,933	100	7,460,710	27.28	19,887,223	72.72
Indigenous .....	27,317,757	99.89	7,443,603	27.22	19,874,154	72.67
Hybrid .....	24,117	0.09	12,908	0.05	11,209	0.04
Exotic .....	*	*	*	*	1,860	0.01
Sheep Aged 2 Years and Older by Purpose						
Total .....	14,430,527	52.77	1,679,201	6.14	12,751,326	46.63
Used for Mutton .....	708,885	2.59	615,255	2.25	93,630	0.34
Used for Wool .....	79,958	0.29	12,818	0.05	67,140	0.25
Used for Breeding .....	13,478,987	49.29	959,541	3.51	12,519,446	45.78
Used for Other .....	162,697	0.59	91,587	0.33	71,110	0.26
Total Goats .....	28,163,332	100	8,172,042	29.02	19,991,290	70.98
Under 6 months .....	6,603,995	23.45	3,149,779	11.18	3,454,216	12.26
6 months - under 1 year .....	3,439,611	12.21	1,453,883	5.16	1,985,728	7.05
1 year - under 2 years .....	3,666,428	13.02	1,318,390	4.68	2,348,038	8.34
2 years and older .....	14,453,297	51.32	2,249,990	7.99	12,203,307	43.33
Goats by Breed						
Total .....	28,163,332	100	8,172,042	29.02	19,991,290	70.98
Indigenous .....	28,159,642	99.99	8,170,627	29.01	19,989,014	70.98
Hybrid .....	1,678	0.01	*	*	1,131	*
Exotic .....	*	*	*	*	*	*
Goats Aged 2 Years and Older by Purpose						
Total .....	14,453,297	51.32	2,249,990	7.99	12,203,307	43.33
Used for Milk .....	980,729	3.48			980,729	3.48
Used for Meat .....	744,646	2.64	638,580	2.27	*	*
Used for Breeding .....	12,598,814	44.73	1,528,104	5.43	11,070,710	39.31
Used for Other .....	129,108	0.46	83,305	0.3	45,803	0.16

Pertaining to the age distribution of both the sheep and the goats, the largest portions are in the age group of two years and older (52.77 percent and 51.32 percent, in that order). These are followed by the young stock under six months for both sheep and goats i.e. about 25.23 percent and 23.45 percent, correspondingly (see Figure III.3).

**FIGURE III.3 DISTRIBUTION OF SHEEP AND GOATS BY AGE AND SEX**



With respect to breed, almost all of the sheep and the goats are indigenous (99.89 percent and 99.99 percent, respectively).

Summary Table III.2 also discloses the numbers and percentages of sheep and goats raised for different purposes in the country. The percentages of both sheep and goats kept for mutton and meat are significantly higher for males. Moreover, the data reveals that female sheep and female goats are primarily kept for breeding purposes. Among the sheep flock two years and older (52.77% of the total sheep), 49.29 percent are kept for breeding; about 2.59 percent for mutton and less than one percent of them were kept for wool production. Likewise, among the goat population aged two years and older (51.32% of the total), goats kept for breeding accounted for about 44.73 percent while goats kept for meat accounted for 2.64 percent. The number of female goats kept for milk at country level is estimated to be about 980 thousand, which is 3.48 percent of the total goats (see Figures III.4 and III.5).

FIGURE III.4 DISTRIBUTION OF SHEEP AGED 2 YEARS AND OLDER BY SEX, AND PURPOSE

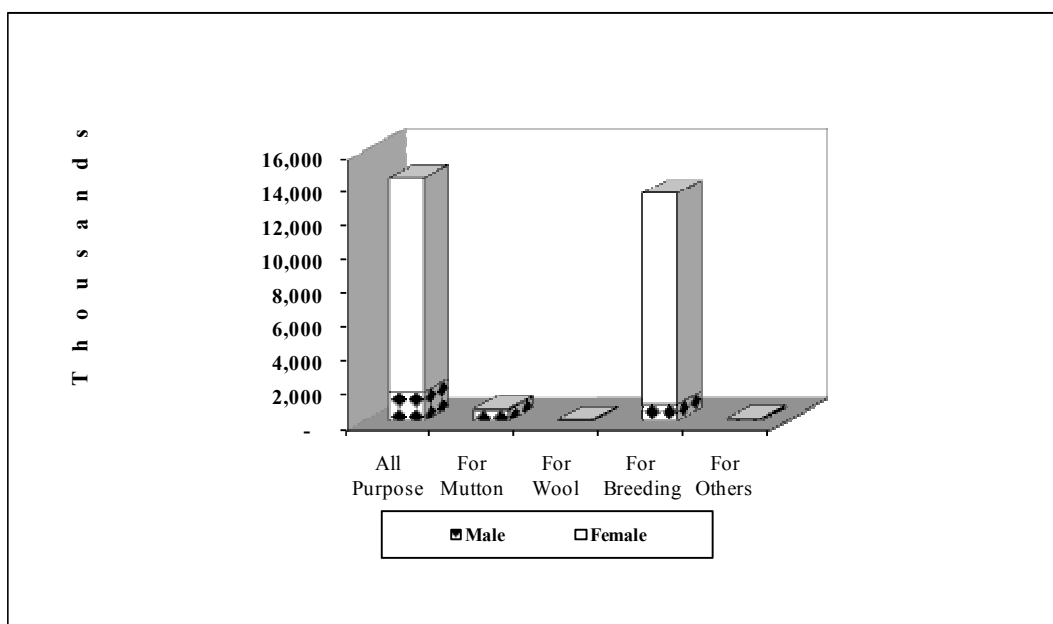
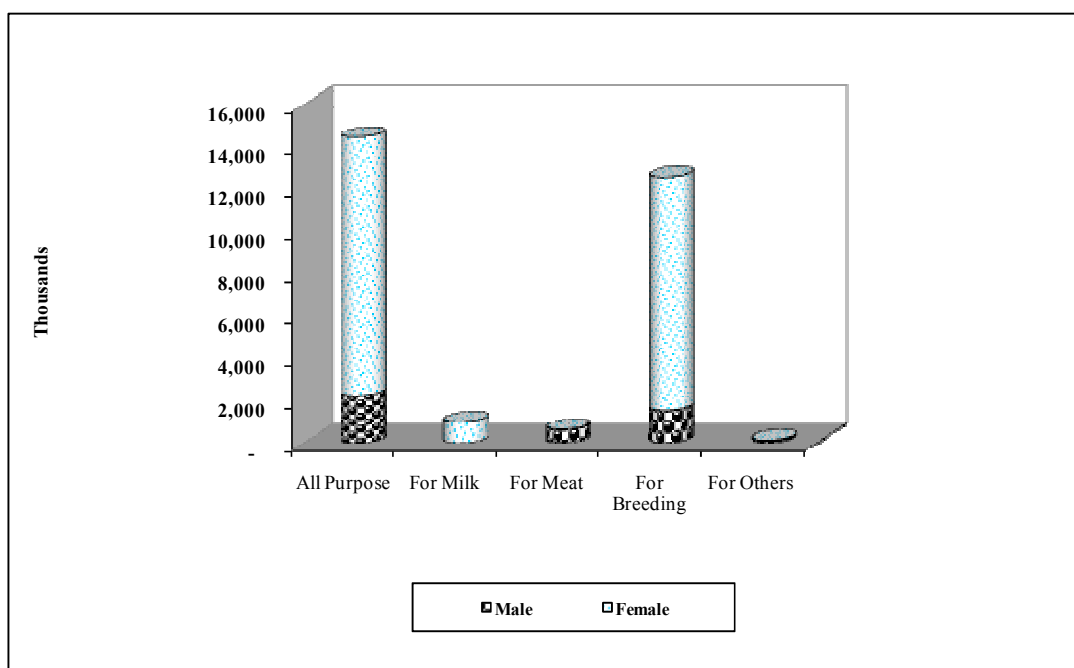


FIGURE III.5 DISTRIBUTION OF GOATS AGED 2 YEARS AND OLDER BY SEX, AND PURPOSE



The numbers and percentage distributions of sheep and goats at regional level are given in the *Statistical Tables* and Figure III.9.

### **3.1.3 Horse, Donkey, Mule And Camel Populations**

Summary Table III.3 shows the estimates of horses, donkeys, mules, and camels for the rural sedentary areas of the country for private holdings. As per the survey results, there are about 1.96 million horses, 6.95 million donkeys, 0.36 million mules, and about 1.1 million camels in the sedentary areas of the country.

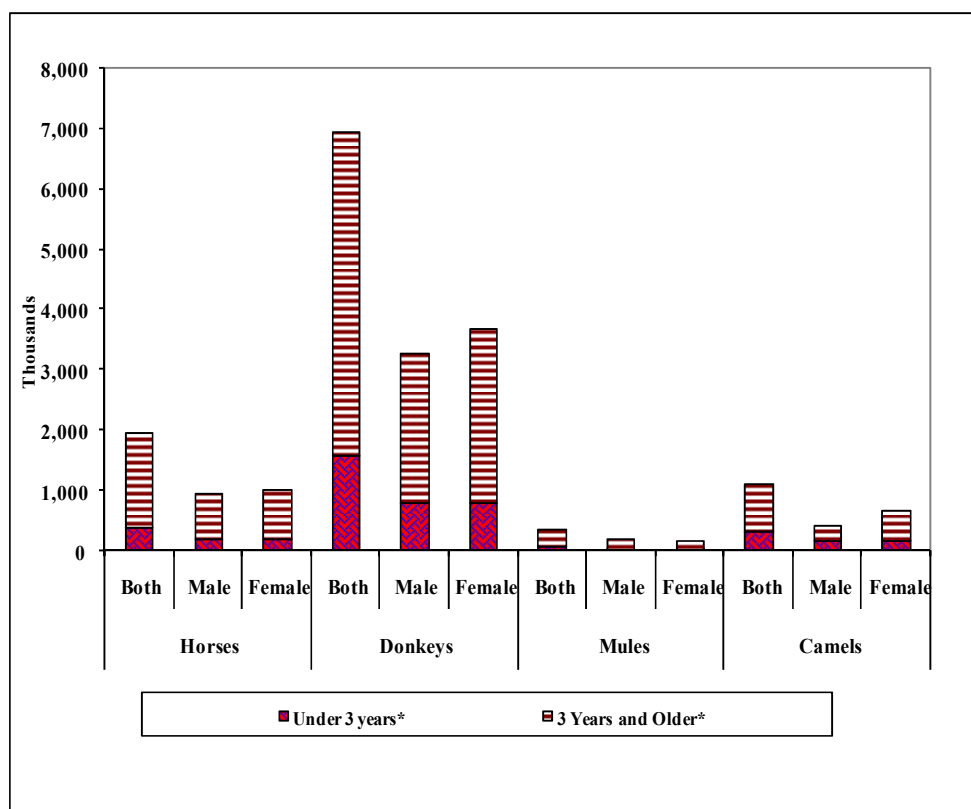
As indicated in the same table, donkeys are the overwhelming majority compared with the other draught animals. Out of the total donkey population in the country, about 52.92 percent are females and the remaining 47.08 percent are males. With respect to age distribution, the majorities of the horses, donkeys and mules are of the age group 3 years and older. Furthermore, 70.64 percent of the camels are of the age group 4 years and older.

The estimates of these animals by purpose are also given in Summary Table III.3. Among the horses aged 3 years and older, about 1.13 million were used for transportation, 0.21 million were for draught and the remaining 0.23 million were used for other purposes. With regard to donkeys, about 4.26 million were used for transportation whereas about 0.90 million and 0.22 million were used for draught and other purposes, respectively.

**SUMMARY TABLE III.3: Estimated Numbers of Horses, Donkeys, Mules,  
and Camels by Sex, Age and Purpose, Ethiopia - 2013/14**

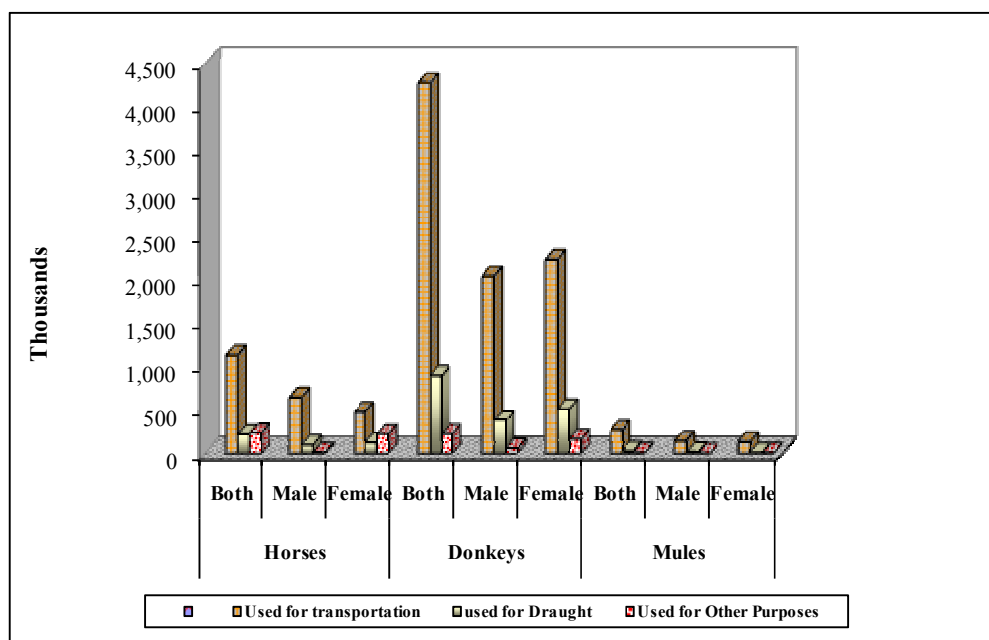
Age, Breed, and Purpose	Total		Male		Female	
	Number	%	Number	%	Number	%
Total Horses .....	1,963,010	100	951,644	48.48	1,011,365	51.52
Under 3 Years .....	391,536	19.95	200,936	10.24	190,600	9.71
3 years and older .....	1,571,474	80.05	750,708	38.24	820,766	41.81
Horses Aged 3 Years and Older by Purpose						
All Uses .....	1,571,474	80.05	750,708	38.24	820,766	41.81
Transportation .....	1,129,173	57.52	645,742	32.9	483,432	24.63
Draught .....	214,416	10.92	93,834	4.78	120,582	6.14
Other Uses .....	227,885	11.61	11,133	0.57	216,752	11.04
Total Donkeys .....	6,953,077	100	3,273,767	47.08	3,679,310	52.92
Under 3 Years .....	1,573,436	22.63	799,054	11.49	774,382	11.14
3 years and older .....	5,379,641	77.37	2,474,712	35.59	2,904,929	41.78
Donkeys Aged 3 Years and Older by Purpose						
All Uses .....	5,379,641	77.37	2,474,712	35.59	2,904,929	41.78
Transportation .....	4,264,337	61.33	2,036,637	29.29	2,227,699	32.04
Draught .....	895,472	12.88	379,942	5.46	515,530	7.41
Other Uses .....	219,832	3.16	58,133	0.84	161,699	2.33
Total Mules .....	356,087	100	186,791	52.46	169,296	47.54
Under 3 Years .....	53,474	15.02	28,752	8.07	24,722	6.94
3 years and older .....	302,613	84.98	158,039	44.38	144,574	40.6
Mules Aged 3 Years and Older by Purpose						
All Uses .....	302,613	84.98	158,039	44.38	144,574	40.6
Transportation .....	265,563	74.58	137,446	38.6	128,117	35.98
Draught .....	26,646	7.48	16,511	4.64	10,135	2.85
Other Uses .....	10,404	2.92	4,083	1.15	6,322	1.78
Total Camels .....	1,098,312	100	420,648	38.3	677,664	61.7
Under 4 Years .....	322,411	29.36	154,217	14.04	168,194	15.31
4 years and older .....	775,901	70.64	266,431	24.26	509,470	46.39
Camels Aged 4 Years and Older by Purpose						
All Uses .....	775,901	70.64	266,431	24.26	509,470	46.39
Meat .....	21,917	2	19,200	1.75	-	-
Milk .....	265,439	24.17			265,439	24.17
Transportation .....	198,354	18.06	177,146	16.13	21,209	1.93
Draught .....	10,072	0.92	8,612	0.78	-	-
Other Uses .....	280,119	25.5	61,474	5.6	218,645	19.91

FIGURE III.6 DISTRIBUTION OF HORSES, DONKEYS, MULES, AND CAMELS BY AGE AND SEX



\* Note that for camels the 'Age Categories' are under 4 years and 4 years & older

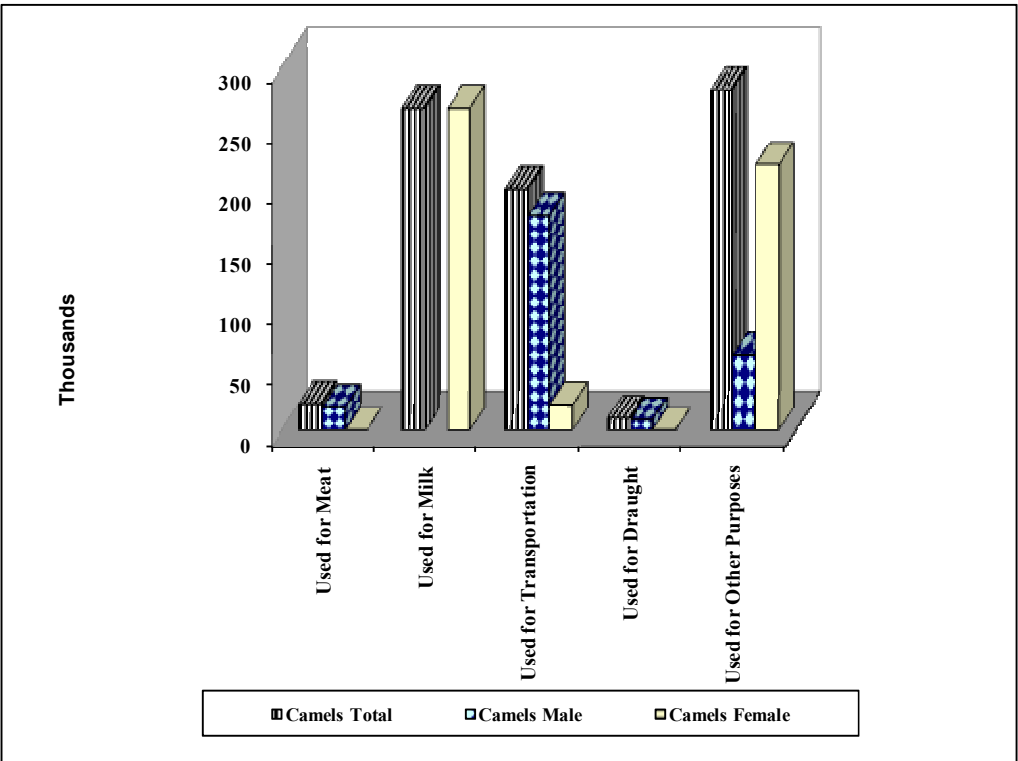
FIGURE III.7 DISTRIBUTION OF HORSES, DONKEYS, AND MULES BY PURPOSE AND SEX



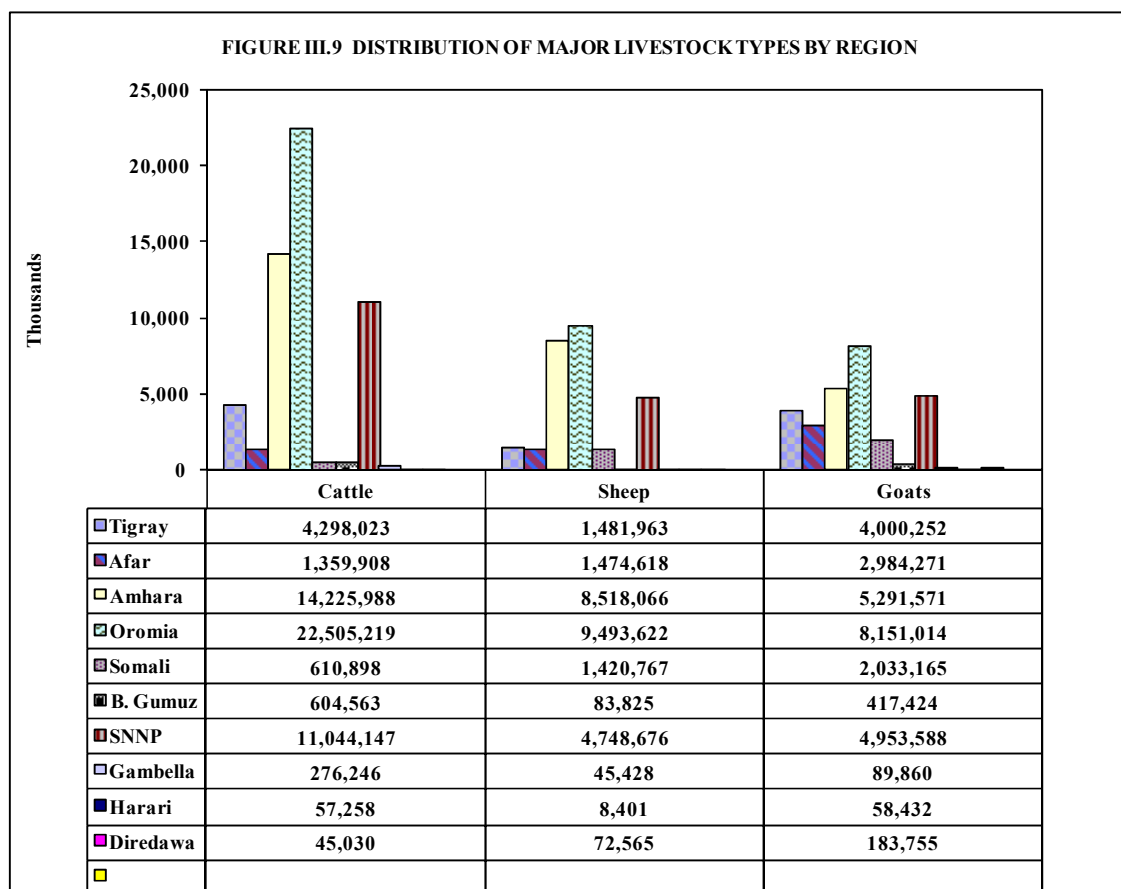


Considering the purpose of the mules, the data shows that the predominance (74.58%) was used for transportation and very few were intended for draught and other purposes. The survey result also indicates that 24.15 percent of the camels reported were kept for milk, 18.06 percent were for transportation, and only 0.92 percent was for draught purposes. On the other hand, the number of camels kept for meat was about 21.91 thousand heads (see also Figures III.6 to III.8).

FIGURE III.8 DISTRIBUTION OF CAMELS BY PURPOSE AND SEX



For the regional and zonal distributions of draught animals refer to the statistical tables presented at the end of this chapter.

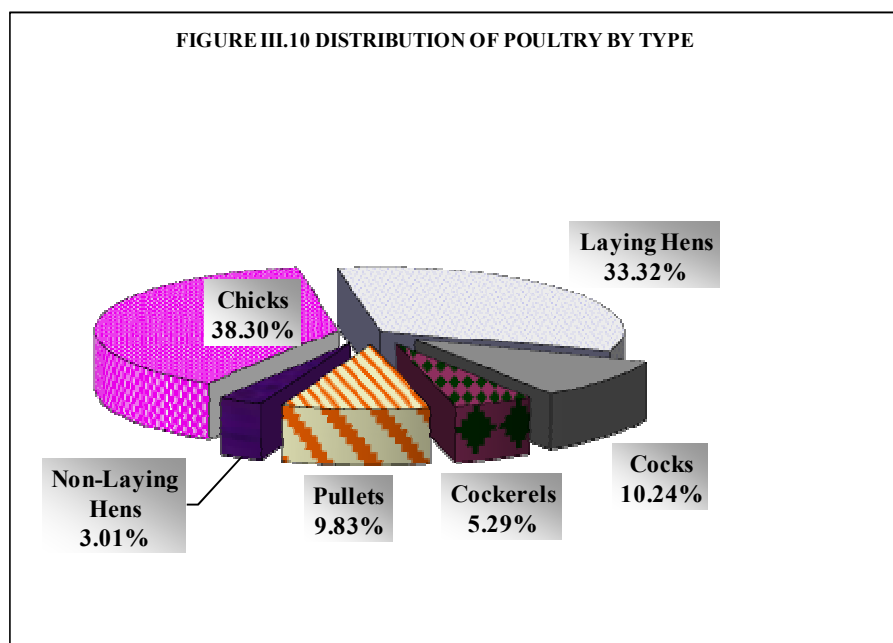


### 3.1.4 Poultry Population

Data on poultry population are collected as part of the livestock survey, and the total poultry population at country level is estimated to be about 51.35 million. In this report, poultry includes cocks, cockerels, pullets, laying hens, non-laying hens and chicks. Consequently, as shown in Summary Table III.4 and Figure III.10, most of the poultry are chicks (38.3 percent), followed by laying hens (33.32 percent). Pullets are estimated to be about 5.04 million in the country. Cocks and cockerels are also estimated separately, and are 5.26 million and about 2.72 million, respectively. The others are non-laying hens that make up about 3.01 percent (1.55 million) of the total poultry population in the country. With regard to breed, 96.83 percent, 2.37 percent and 0.8 percent of the total poultry were reported to be indigenous, hybrid and exotic, respectively. For the regional and zonal distributions of poultry refer to the statistical tables presented at the end of this chapter.

**SUMMARY TABLE III.4: Estimated Number of Poultry by Type and Breed,  
Ethiopia - 2013/14**

Type of Poultry	All		Indigenous		Exotic		Hybrid	
	Number	%	Number	%	Number	%	Number	%
All Poultry .....	51,350,738	100	49,723,605	96.83	411,809	0.8	1,215,324	2.37
Cocks .....	5,260,659	10.24	5,074,441	9.88	54,582	0.11	131,636	0.26
Cockerels .....	2,716,252	5.29	2,644,079	5.15	14,218	0.03	57,954	0.11
Pullets .....	5,046,372	9.83	4,859,337	9.46	57,388	0.11	129,647	0.25
Non-Laying Hens .....	1,547,799	3.01	1,489,807	2.9	15,175	0.03	42,816	0.08
Chicks .....	19,668,096	38.3	19,236,420	37.46	77,593	0.15	354,083	0.69
Laying Hens .....	17,111,560	33.32	16,419,521	31.98	192,853	0.38	499,186	0.97



### 3.1.5 Beehive Population

Information on beehives was also collected during the livestock survey. As stated by the Ministry of Agriculture, there are three types of beehives, and these are traditional, intermediate, and modern.

*Traditional [Fixed comb] Hive* is a hollow structure made of cheap materials like clay, straw, bamboo, false banana leaves, logs, barks of tree, and animal dung. The bees fill all the available space with honeycombs from the top to down wards. The honeycombs cannot be removed since they are attached to the top and the sides of the hive. The honey can be removed only by removing one wall of the hive and breaking or cutting out the honeycomb (Reihard Fichtl and Admasu, 1994; Gezahegn Taddesse, 1993 E.C.).

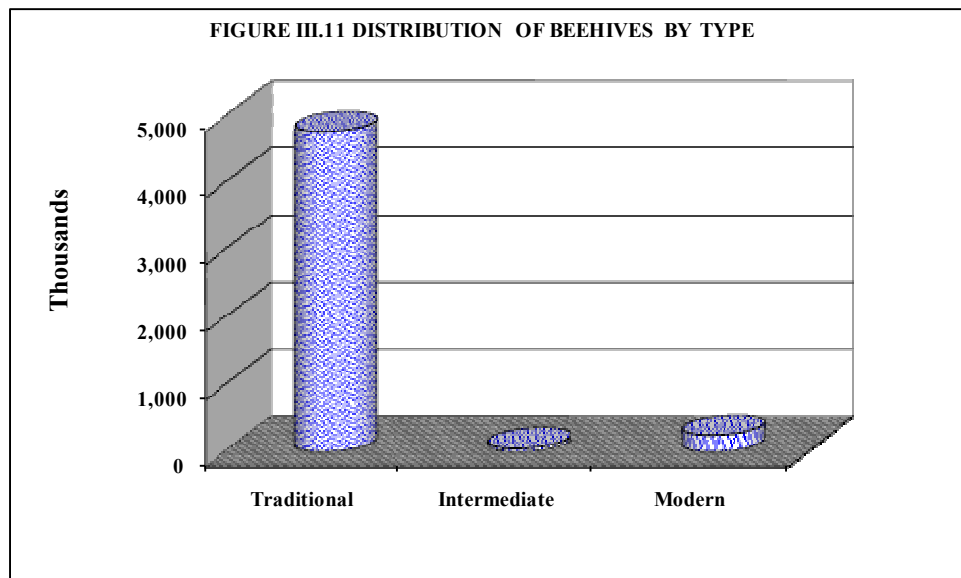
*Intermediate [Transitional] Hive* is a long trough-shaped box with sloping sidewalls covered with bars of a fixed width. The hive consists of a bottom board, two sidewalls and front and back walls. One opening is made in the front wall to serve as flight entrance. The cover of the hive can be made from any material, which gives adequate protection against light, sun, and rain (Gezahegn Taddesse, 1993 E.C.; P.Seegeren et al, 1996).

*Modern Hive [Hive with Frames]* is a brood (offspring) chamber (box) with a fixed bottom board and flight board. In the bottom board there is a ventilation hole of size (15cmx30cm), which can be covered with fine wire mesh or other suitable material. The brood chamber holds ten frames, which are kept separately at the right distance by means of side bar, or nails. Queen excluder (not necessary) placed horizontally on top of the brood chamber (Gezahegn Taddesse, 1993 E.C.; P.Seegeren et al, 1996).

Any type of the above beehives was enumerated if it produced honey at least once during the reference period (November 11, 2012 to November 10, 2013). Accordingly, the result of the survey revealed that a total of about 5.05 million hives is estimated to be found in the rural sedentary areas of the country. From this total hives, the greater part (94.37 percent) is reported to be traditional (see Summary Table III.5).

SUMMARY TABLE III.5: Estimated Number of Beehives by Type,  
Ethiopia - 2013/14

Type of Beehive	Number	%
All Beehives .....	5,052,297	100
Traditional Beehives .....	4,768,103	94.37
Intermediate Beehives .....	47,749	0.95
Modern Beehives .....	236,446	4.68



For the regional and zonal distributions refer to the statistical tables presented at the end of this chapter.

### 3.2 NUMBERS OF BIRTHS, PURCHASES AND ACQUIRED ANIMALS BY TYPE (ACQUISITION)

According to the survey result, about 83.55 million chickens, 11.7 million sheep, 10.23 million cattle and 11.19 million goats were born during the reference period in the rural sedentary areas of the country. Females accounted for the greater portions of most of the newly born animals (see Summary Table III.6).

With regard to other acquisitions, households have purchased about 20.29 million animals (either to build their stock or for some other reasons) and acquired about 2.11 million animals through gifts or any other means during the reference period (see Summary Table III.6).

SUMMARY TABLE III.6 Estimated Numbers of Births, Purchases, and Acquired Animals  
by Type during the Reference Period, Ethiopia - 2013/14

Type of Livestock	Number of Births			Number of Purchases			Acquired by any Other Means		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
Cattle .....	10,225,288	4,939,683	5,285,605	3,801,418	2,319,674	1,481,744	846,899	370,907	475,993
Sheep.....	11,703,794	5,619,772	6,084,022	3,887,855	1,980,426	1,907,428	686,827	129,394	557,433
Goats .....	11,188,286	5,139,575	6,048,711	2,095,170	758,216	1,336,954	387,998	78,178	309,820
Horses.....	177,343	95,703	81,640	193,359	107,195	86,164	20,330	6,488	13,842
Donkeys .....	576,419	296,999	279,420	818,681	454,424	364,257	37,131	10,078	27,053
Mules.....	27,309	15,676	11,634	48,253	25,871	22,382	2,703	*	*
Camels.....	176,511	75,397	101,115	45,440	36,572	8,868	4,697	2,696	2,001
Poultry .....	83,549,283	39,395,982	44,153,302	10,172,342	4,471,572	5,700,770	731,175	207,185	523,990

### 3.3 NUMBERS OF SALES, SLAUGHTERS, DEATHS AND OFFERINGS BY TYPE (ATTENUATION)

The estimated numbers of sales, slaughters, deaths and offered animals are indicated in Summary Table III.7. About 13.57 million chickens, 6.16 million sheep, 5.7 million cattle and about 4.7 million goats were sold and about 19.52 million animals (chicken, cattle, sheep, goats and camels) were slaughtered by households during the reference period. The estimated

number of deaths is about 69.86 million animals and households have also offered about 1.97 million animals to their relatives or others as gifts.

SUMMARY TABLE III.7 Estimated Numbers of Sales, Slaughters, Deaths, and Offerings by Type during the Reference Period,  
Ethiopia - 2013/14

Type of Livestock	Number of Sales			Number of Slaughters			Number of Deaths*			Offerings		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
Cattle .....	5,703,497	3,452,921	2,250,576	328,538	187,386	141,152	3,481,333	1,421,480	2,059,852	596,553	261,663	334,891
Sheep.....	6,161,751	3,350,625	2,811,126	2,958,191	2,187,556	770,635	4,939,304	1,591,480	3,347,823	376,164	95,699	280,465
Goats .....	4,701,747	2,486,901	2,214,846	1,980,029	1,381,944	598,085	4,573,208	1,579,017	2,994,192	347,978	102,069	245,909
Horses.....	141,612	87,949	53,663				165,762	82,195	83,567	13,265	2,951	10,313
Donkeys .....	579,431	314,923	264,508				433,658	199,286	234,372	22,484	8,515	13,969
Mules.....	34,248	17,650	16,598				38,934	13,058	*	1,461	*	*
Camels.....	39,958	32,091	7,867	2,082	1,172	910	50,166	18,921	31,246	3,615	2,914	702
Poultry .....	13,568,376	7,338,241	6,230,135	14,248,999	8,744,224	5,504,775	56,175,771	24,749,926	31,425,846	603,407	198,263	405,144

\* Includes animals that died from diseases and other causes



### 3.4 LIVESTOCK PRODUCTS

This section summarizes results on livestock products at country level. The various animal products include milk and milk products, eggs, wool, meat, hides and skins. Although data on such livestock products are not easily obtainable in the Ethiopian traditional agricultural sector, an endeavor was made to collect data on milk and honey productions. The data were collected subjectively from the holders in the sampled households and the results obtained are briefly discussed below.

#### 3.4.1 Milk Production

Estimation of milk production entails three components, namely number of milking cows, number of months milking cows actually milked within the reference period and average milk production per cow per day. Hence, data on these components have been collected and the total milk production in the sedentary areas of the country is estimated by multiplying these three components. However, two basic concepts about milk production should be mentioned here. “Gross production”, which includes whole fresh milk actually milked and milk sucked by young animals and also milk fed to other animals. “Net production” consists of whole milk actually milked and milk fed to other animals but excludes milk sucked by young animals. Therefore, in the case of this survey, milk production is estimated based on the concept of “net production”, and as indicated in Summary Table III.8, the estimate of total cow milk production for the rural sedentary areas of the country during the reference period, is about 2.9 billion liters. On the other hand, the estimate of camel milk for the same areas of the country is about 230.51 million liters.

Data on lactation period and average milk yield per cow per day were also collected. As a result, the average lactation period per cow during the reference period at country level is estimated to be about *six* months, and average milk yield per cow per day is about 1.37 liters. With regard to camel, the average lactation period is about *ten* months whereas the average daily milk yield is about 3.41 liters in the sedentary areas of the country.

### **3.4.2 Honey Production**

To estimate honey production, number of hives, frequency of honey production and honey production per harvest are required. Therefore, these data were collected from the holders within sampled households in the rural sedentary areas of the country. As a result, the estimate of total honey production is about 43.8 million kilograms of which the greater portion is harvested from traditional hives (see Summary Table III.8).

As can be seen from the survey data, honey was harvested on average 1.6, 1.44, and 1.56 times during the reference period from traditional, intermediate and modern hives, respectively (see Summary Table III.8).

### **3.4.3 Egg Production**

To estimate egg production, the average number egg laying periods per hen per annum, length of a single egg-laying period per hen, and average number of eggs laid per hen per egg-laying period are required. Therefore, these data were collected from the livestock holders within sampled livestock owned households. As a result, the estimate of total number of eggs produced during the year is about 100.8 million (Summary Table III.8). Average egg-laying period per hen and average number of eggs laid per hen during the reference period are also estimated for local, hybrid and exotic breeds. Consequently, the average number egg-laying period per hen per year is about 4, 5 and 1 for the local, hybrid and exotic breeds, respectively. The average length of a single egg-laying period per hen is estimated to be about 21, 32 and 108 days for local, hybrid and exotic breeds, in that order. The average number of eggs laid per hen per egg- laying period in the country is about 12, 27 and 96 eggs, correspondingly (see Summary Table III.8)

**SUMMARY TABLE III.8: Milk, Honey, and Egg Production,  
Ethiopia - 2013/14**

Item	Quantity Produced and Frequency		
Milk Production			
Cow Milk			
Average Daily Milk Production (Liters/Cow)...	1.371		
Average Lactation Period (Months).....	6		
Total Milk Production (Liters).....	2,903,247,759		
Camel Milk			
Average Daily Milk Production (Liters/Camel)...	3.406		
Average Lactation Period (Months).....	10		
Total Milk Production (Liters).....	230,509,032		
Honey Production			
All Types of Beehives (Number).....	5,052,297		
Production (Kilograms) .....	43,801,680		
Average Frequency (Harvests/Year).....	1.6		
Traditional Beehives (Number).....	4,768,103		
Production (Kilograms).....	39,831,763		
Average Frequency (Harvests/Year).....	1.6		
Intermediate Beehives (Number).....	47,749		
Production (Kilograms).....	612,758		
Average Frequency (Harvests/Year).....	1.44		
Modern Beehives (Number).....	236,446		
Production (Kilograms).....	3,357,159		
Average Frequency (Harvests/Year).....	1.56		
Egg Production	Indigenous	Hybrid	Exotic
Average Number of Egg-laying Period/Year.....	4	5	-
Average Length of a Period (in days).....	21	32	108
Average Number of Eggs/Hen/Period.....	12	27	96
Total Egg Production (Number).....	89,560,144	9,578,051	1,703,269

### **3.5 LIVESTOCK VACCINATION, DISEASE, AND TREATMENT**

Diseases have numerous negative impacts on productivity of herds i.e. death of animals, loss of weights, slow down growth, poor fertility performance, decrease in physical power and the likes. There have been many ways of fighting against diseases and among these, vaccinations (preventive measures) and treatments (curative measures) are the major ones. However, no efficient fight against disease or disease prevention is possible if descriptive data on prevalence of diseases, vaccinations, and treatments are not available. The availability of these data is also very important to set-up strategies that can assist in preventing and controlling diseases, by and large in improving veterinary services of the country. Hence, it was considered desirable to collect information on vaccinations, treatments, diseases and deaths of animals.

**SUMMARY TABLE III.9a: Estimated Number of Vaccinated Livestock by Type,  
Ethiopia - 2013/14**

Type of Livestock	Total Vaccinated	Vaccinated against:				
		Anthrax <sup>3</sup>	Blackleg <sup>4</sup>	Pleuro-Pneumonia <sup>5</sup>	Hemorrhagic Septicemia <sup>6</sup>	Others
Cattle.....	22,898,179	6,966,111	7,603,230	2,356,326	3,736,697	2,235,815
Sheep.....	5,255,497	560,659	592,215	1,519,302	1,148,096	1,435,225
Goats.....	5,949,519	559,639	603,809	2,309,821	1,574,235	902,014
Camels.....	104,813	20,492	11,008	*	5,708	10,696
Total	34,208,008	8,106,902	8,810,262	6,242,358	6,464,736	45,83,751

**SUMMARY TABLE III.9b: Estimated Numbers of Livestock Afflicted and  
Treated, Ethiopia - 2013/14**

Item	Number	%
Total Afflicted.....	49,902,244	100
Cattle.....	8,371,123	16.78
Sheep.....	5,953,534	11.93
Goats.....	5,311,898	10.64
Horses, Donkeys, and Mules .	1,142,915	2.29
Camels.....	79,042	0.16
Poultry.....	29,043,732	58.2
Total Treated.....	12,875,684	100
Cattle.....	5,293,986	41.12
Sheep.....	2,311,643	17.95
Goats.....	1,815,628	14.1
Horses, Donkeys, and Mules .	621,740	4.83
Camels.....	25,863	0.2
Poultry.....	2,806,824	21.8

Data on these parameters specifically on numbers of vaccinated, afflicted, and treated animals were therefore collected and the results are shown in Summary Tables III.9a and III.9b. The estimated number of vaccinated animals within the reference period in the rural areas of the country is about 34.01 million. Out of these animals, about 66.94 percent were cattle followed by goats, which took about 17.39 percent share. Sheep also accounted for about 15.36 percent of the total vaccinated animals. The survey results revealed that about 104.81 thousand camels was vaccinated during the reference period.

As indicated in Summary Tabel III.9b, about 49.9 million animals were diseased / afflicted by different types of diseases during the reference period and only about 12.88 million of them were treated. The cattle constituted about 41.12 percent of the total treated animals

<sup>3</sup> Anthrax- is an infectious disease of animals especially cattle and sheep that causes skin ulcers and is transmittable to humans by inhalation and through feces and infected meat.

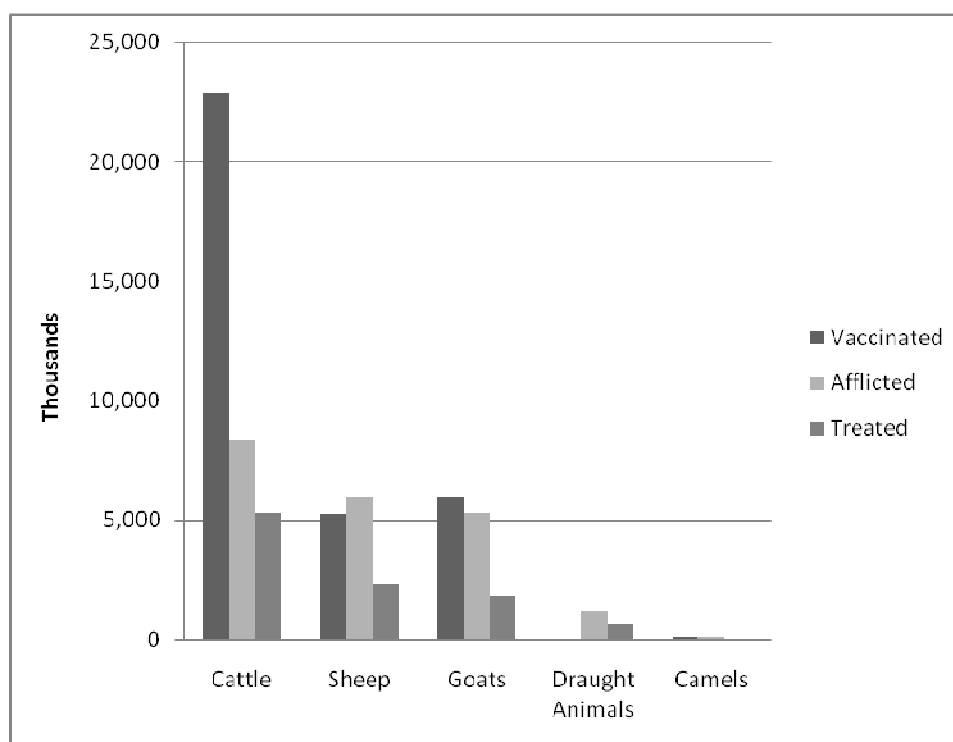
<sup>4</sup> Blackleg- is an infectious bacterial disease of farm animals that causes swellings on the legs.

<sup>5</sup> Pleuro-pneumonia – is an infectious bacterial disease of animals mainly cattle that causes cough and fever and is transmittable to other animals easily.

<sup>6</sup> Hemorrhagic- septicemia- is an infectious bacterial disease of animals.

in the country and substantial numbers of sheep and goats were treated as well (see Summary Table III.9b). For the regional and zonal distributions refer to the statistical tables presented at the end of this chapter.

**FIGURE III.12 DISTRIBUTION OF ANIMALS VACCINATED, AFFLICTED, AND TREATED BY TYPE**



### 3.6 NUMBER OF HOLDINGS BY SIZE OF LIVESTOCK<sup>7</sup>

Concerning the number of holdings by size of livestock, the summary results for cattle, sheep, goats, draught animals, and poultry are given in the following tables (Summary Table III.10a – d).

Most of the holdings, about 51.62 percent, reported one to four cattle and considerable portion (20.59 percent) of the holdings possess five to nine cattle. About 22.19 percent of the total holdings were also without cattle during the reference date (Summary Table III.10a).

<sup>7</sup> The measures of size used for classification were adapted from FAO recommendation (2005).

Summary Table III.10a: Number of Holdings by Size of Cattle,  
Ethiopia - 2013/14

Size	Number of Holdings	%
All Holdings.....	15,972,956	100
Holdings with no Cattle...	3,543,881	22.19
1-2 Head.....	4,198,344	26.28
3-4 Head.....	4,047,994	25.34
5-9 Head.....	3,288,956	20.59
10-19 Head.....	749,632	4.69
20-49 Head.....	131,469	0.82
50-99 Head.....	10,708	0.07
100-199 Head.....	1,645	0.01
>=200 Head.....	327	*

The result of the survey also revealed that about 21.82 percent and 15.85 percent of the total holdings were with one to four head of sheep and goats, in that order. The majority of the holdings, about 65.72 percent and about 72.73 percent have reported no sheep and no goat, correspondingly (see Summary Table III.10b).

Summary Table III.10b: Number of Holdings by Sizes of Sheep and Goats,  
Ethiopia – 2013/14

Size	Sheep		Goats	
	Number Of Holdings	%	Number of Holdings	%
All Holdings.....	15,972,956	100	15,972,956	100
Holdings with no Sheep/Goats.	10,497,593	65.72	11,617,832	72.73
1-4 Head.....	3,485,678	21.82	2,531,572	15.85
5-9 Head.....	1,409,388	8.82	1,112,230	6.96
10-49 Head.....	566,544	3.55	674,811	4.22
50-99 Head.....	11,164	0.07	27,596	0.17
100-199 Head.....	2,095	0.01	8,048	0.05
200-499 Head.....	311	*	684	*
>=500 Head.....	183	*	183	*

With regard to draught animals, from the holdings that owned draught animals, most of them were with one to two head. About 98.38 percent, 97.92 percent, 92.18 percent, and 69.76 percent of the total holdings were with no camel; no mule, no horse, and no donkey, respectively (see Summary Table III.10c).

Summary Table III.10c: Number of Holdings by Size of Draught Animals,  
Ethiopia - 2013/14

Size	Horses		Donkeys		Mules		Camels	
	Number of Holdings	%	Number of Holdings	%	Number of Holdings	%	Number of Holdings	%
All Holdings.....	15,972,956	100	15,972,956	100	15,972,956	100	15,972,956	100
Holdings with no Animals.	14,723,322	92.18	11,141,964	69.76	15,641,071	97.92	15,714,821	98.38
1-2 Head.....	1,091,597	6.83	4,461,192	27.93	329,165	2.06	147,041	0.92
3-4 Head.....	137,166	0.86	345,431	2.16	2,531	0.02	41,627	0.26
5-9 Head.....	19,479	0.12	23,150	0.14	189	*	42,116	0.26
>= 10 Head.....	1,392	0.01	1,219	0.01	-	-	27,351	0.17

The size of poultry that most holdings reported is the one to nine size group followed by the ten to forty-nine size group. Sizeable (44.03 percent) holdings were also without poultry (see Summary Table III.10d).

Summary Table III.10d: Number of Holdings by size of Poultry,  
Ethiopia - 2013/14

Size	Number of Holdings	%
All Holdings.....	15,972,956	100
Holdings with no Poultry...	7,032,382	44.03
1-9 Head.....	7,295,374	45.67
10-49 Head.....	1,642,866	10.29
50-99 Head.....	2,064	0.01
100-199 Head.....	270	*
200-499 Head.....	-	-

### 3.7 ANIMAL FEED

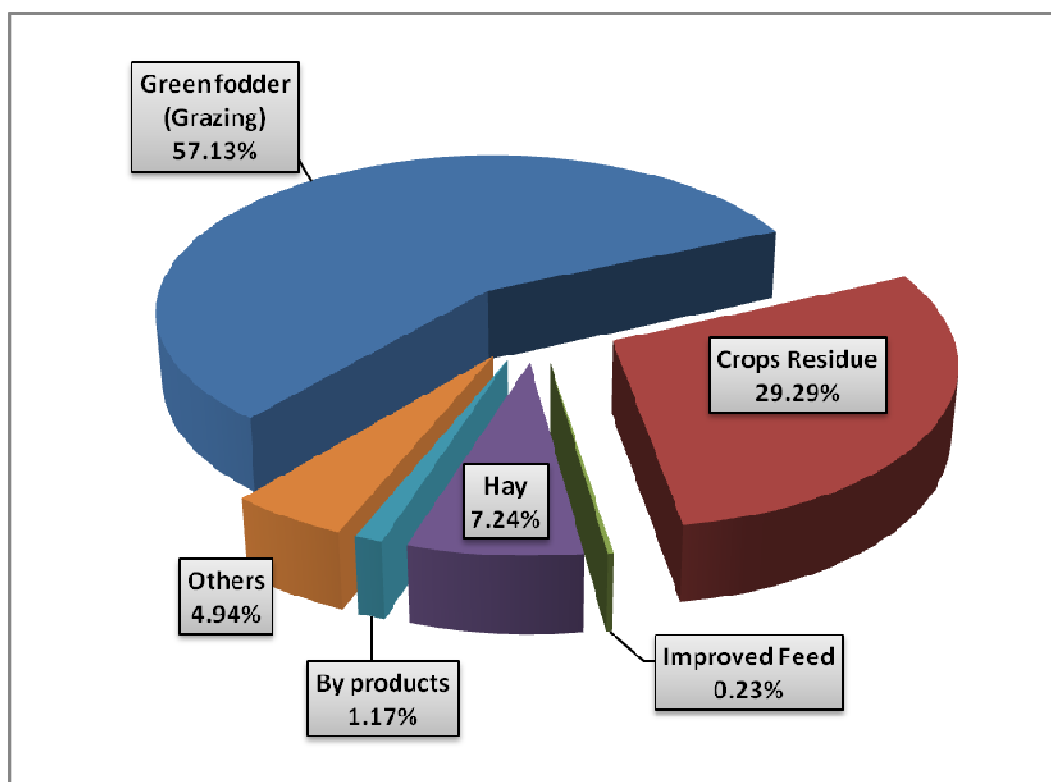
Data on animal feed practices of holders in the rural sedentary areas of the country were gathered to assess the feed utilization experience. For the purpose of this report, animal feeds are classified as green fodder (grazing), crop residue, improved feed, hay, industrial by-products, and other feeds. *Green fodder* is simply pasture grasses; *crop residue* includes harvested by-products (straw and chaff of cereals and pulses, etc.); *improved feed* is like alfalfa; *hay* includes any type of grass, clover etc. cut and dried as fodder; and finally industrial *by-products* are like oil cake (rapeseed cake, nueg cake, sunflower cake, etc.), bran, and brewery residue.

According to the information collected on feed usage experience of holders in the rural areas of the country, green fodder (grazing) is the major type of feed (about 57.13percent) followed by crops residue that is 29.29 percent. Hay and by-products were also used as animal feeds that comprise about 7.24 and 1.17 percent of the total feeds, respectively. Moreover, as shown in Summary Table III.11 and Figure III.13, very small amount of improved feed (only 0.23 percent) was used as animal feed and other types of feed that accounted for about 4.94 percent were also used in the country.

SUMMARY TABLE III.11: Animal Feed Practices in Ethiopia - 2013/14

Item	Number of Holders Reporting	Percentage from the total feed utilized
Total		100
Green Fodder/Grazing .....	13,853,621	57.13
Crops Residue.....	11,838,472	29.29
Improved Feed.....	224,221	0.23
Hay .....	4,529,981	7.24
By-products .....	1,271,198	1.17
Others .....	5,035,633	4.94

FIGURE III.13 ANIMAL FEED PRACTICES OF HOLDERS





Summary Table III.11 also highlights the number of holders reported each type of feed. According to the data, about 13.34 million holders have used green fodder to feed their animals. Significant number of holders (about 11.47 million) in the rural areas of the country also reported that they used to feed crops residue for their animals. Moreover, about 4.35 million, and about 1.04 million holders have reported to use hay and by-products, respectively. Quite a number of holders (about 4.6 million) as well reported to use other types of feeds while about 189 thousand holders used improved feed during the reference period.

Sources of animal feeds were also assessed and own holdings were the major source of all types of feeds for the majority of the holders during the reference period. Communal holdings were also observed as the main sources of green fodder for considerable number of holders. Substantial numbers of holders have also purchased different types of feed to nourish their animals (see Summary Table III.12).

SUMMARY TABLE III.12 Estimated Number of Holders  
Reporting Animal Feed by Source and Type of Feed, Ethiopia - 2013/14

Source of Feed	Green fodder/ Grazing	Crops Residue	Improved Feed	Hay	By- products	Others
All Sources.....	13,853,620	11,838,473	224,221	4,529,981	1,271,198	5,035,633
Own Holding.....	5,509,223	10,306,195	181,835	2,877,302	467,905	3,370,896
Purchased.....	237,997	204,240	27,549	686,084	742,384	758,272
Communal Holdings/Government	3,647,533	101,823	2,224	148,837	4,810	101,123
From any Two or More Sources...	4,168,188	1,083,835	10,462	742,957	46,304	637,231
Other Sources.....	290,679	142,380	2,151	74,801	9,795	168,111

### 3.8 LIVESTOCK EXTENSION

This section of the survey results elicited information about livestock extension packages practiced by holders during the reference period. As can be seen from Summary Table III.13, a total of about 150 thousand holders (less than 1 percent of the total holders) were involved in livestock extension packages during the reference period. More than half of these holders were involved in beef and poultry development packages. About a quarter of them were engaged in dairy development packages whereas about 5.16 percent of them

have practiced honey and wax development package. Moreover, about 4.84 percent of the holders practiced at least two types of packages concurrently within the reference period.

SUMMARY TABLE III.13 Estimated Number of Holders Practiced Livestock Extension Packages during the Reference Period by Type of Package, Ethiopia – 2013/14

Type of Livestock Extension Packages	Number of Holders Practiced	%
Total .....	150,700	100.00
Dairy Development Package.....	42,188	27.99
Beef/Meat/Mutton Development Package.....	31,288	20.76
Poultry Development Package.....	50,380	33.43
Honey and Wax Development Package.....	7,782	5.16
Two or More of the Packages.....	7,296	4.84
Others.....	11,767	7.81

**STATISTICAL TABLES PRESENTING  
RESULTS AT  
ZONE AND REGION LEVEL**

**TABLE 3-1: NUMBER OF LIVESTOCK BY TYPE OF ANIMAL, ZONE, AND REGION**

Geographic Area	ALL LIVESTOCK								
	CATTLE	SHEEP	GOATS	HORSES	MULES	DONKEYS	CAMELS	POULTRY	BEEHIVES
<b>Ethiopia</b>	55,027,280	27,347,933	28,163,332	1,963,010	356,087	6,953,077	1,098,312	51,350,738	5,124,228
<b>Tigray</b>	4,298,023	1,481,963	4,000,252	2,878	5,895	697,421	87,163	5,287,790	250,230
North West Tigray	1,634,498	138,540	1,780,868	-	1,770	187,372	19,910	1,656,863	57,274
Central Tigray	774,747	322,758	1,049,114	-	232	167,433	1,925	1,377,514	66,571
Eastern Tigray	438,750	599,026	216,564	184	648	113,275	-	856,314	58,097
Southern Tigray	721,747	339,156	443,124	1,757	2,063	165,179	60,424	779,626	50,101
Western Tigray	728,281	82,484	510,582	937	1,181	64,162	4,903	617,473	18,188
<b>Afar</b>	1,359,908	1,474,618	2,984,271	79	196	103,830	335,039	124,489	-
Zone 1	871,934	789,886	1,901,791	79	-	59,056	131,602	19,379	-
Zone 3	487,975	684,732	1,082,479	-	196	44,774	203,437	105,110	-
<b>Amhara</b>	14,225,988	8,518,066	5,291,571	404,814	129,832	2,428,758	64,389	14,524,806	1,119,478
North Gondar	3,002,290	932,819	1,386,767	24,214	6,493	407,665	2,968	4,006,511	328,847
South Gondar	1,658,330	738,146	434,230	26,219	11,483	287,397	-	1,511,497	136,305
North Wolo	855,925	682,260	489,691	29,627	8,650	181,450	17,330	959,012	50,245
South Wolo	1,622,359	1,660,126	697,187	81,308	28,554	364,070	18,404	1,642,545	119,492
North Shewa	1,346,314	1,487,744	735,978	43,163	9,376	373,205	13,565	1,506,466	62,248
East Gojam	1,852,518	1,191,631	479,160	105,924	15,754	356,727	-	1,147,268	126,279
West Gojam	2,225,294	1,091,834	315,142	32,881	28,086	253,060	-	2,314,008	154,377
Waghamera	337,969	145,380	405,085	158	4,047	76,817	-	345,931	50,439
Awi	1,007,707	464,722	142,612	60,959	17,090	77,007	-	787,193	83,949
Oromia	295,435	115,178	183,723	361	299	47,852	11,415	274,775	6,824
Argoba Special Wereda	21,848	8,226	21,994	-	-	3,509	707	29,599	472
<b>Oromia</b>	22,505,219	9,493,622	8,151,014	1,186,437	151,110	2,898,282	268,089	19,313,874	2,586,627
West Wellega	997,488	323,763	160,175	1,705	3,601	131,282	-	1,306,425	314,470
East Wellega	930,682	235,980	135,215	2,454	4,019	76,566	-	736,147	182,507
Illubabor	1,111,090	410,986	240,756	48,620	11,463	36,360	-	979,989	354,122
Jimma	2,193,372	836,596	439,193	88,524	22,664	72,118	-	1,562,687	562,670
West Shewa	2,028,953	936,539	453,167	143,139	9,502	224,516	2,594	1,558,248	161,792
North Shewa	1,515,649	1,121,550	253,728	102,906	3,254	247,866	-	903,137	69,720
East Shewa	1,116,744	352,682	579,382	14,376	7,118	309,109	7,407	1,439,821	15,493
Arsi	2,454,324	1,579,695	777,159	243,009	29,188	406,514	46,891	2,188,076	92,104
West Harerghe	990,251	185,625	905,369	-	2,083	221,329	41,594	1,427,679	54,588
East Harerghe	1,052,066	455,813	997,746	434	1,108	252,465	39,800	1,546,228	46,430
Bale	1,559,786	400,381	743,590	81,153	15,271	236,775	19,660	742,911	99,289
Borena	1,026,753	352,322	957,688	1,593	2,816	76,297	70,234	640,742	96,282
South West Shewa	1,109,216	421,739	351,697	52,223	6,899	197,242	-	992,808	94,197
Guji	1,348,774	507,570	471,623	168,896	17,067	82,778	39,806	826,231	194,440
West Arsi	1,900,808	882,364	375,520	189,316	4,977	205,270	-	1,069,306	69,823
Kelem Wellega	513,905	262,033	142,352	11,331	6,482	48,069	-	950,864	83,959
Horoguduru Wellega	655,357	227,985	166,654	36,756	3,599	73,726	102	442,576	94,741

TABLE 3-1 CONT'D

Geographic Area	ALL LIVESTOCK								
	CATTLE	SHEEP	GOATS	HORSES	MULES	DONKEYS	CAMELS	POULTRY	BEEHIVES
<b>Somale</b>	610,898	1,420,767	2,033,165	99	57	156,011	332,150	196,396	1,734
Shinele	14,451	49,020	143,425	-	-	6,761	10,237	4,935	18
Jijiga	368,374	996,708	916,193	99	57	80,428	74,612	21,002	1,270
Liben	228,073	375,040	973,547	-	-	68,822	247,301	170,459	446
<b>Benshangul-Gumuz</b>	604,563	83,825	417,424	2,012	1,131	68,484	-	1,041,557	185,719
Metekel	485,606	48,056	189,617	2,012	1,043	31,696	-	430,745	72,528
Asosa	72,641	17,151	153,386	-	-	28,090	-	439,838	45,103
Kemeshi	36,334	9,920	57,645	-	68	6,367	-	120,806	12,277
Mao Komo	9,982	8,697	16,776	-	20	2,332	-	50,169	55,812
<b>SNNP</b>	11,044,147	4,748,676	4,953,588	366,008	67,840	571,191	-	10,353,805	907,292
Gurage	933,052	334,204	138,175	59,609	4,570	82,911	-	689,023	42,034
Hadiya	817,958	246,571	168,801	27,144	6,246	92,820	-	1,020,107	60,674
Kembata Tembaro	354,858	112,978	53,222	5,863	1,383	29,610	-	373,446	24,847
Sidama	2,106,837	436,491	265,376	38,140	7,684	60,520	-	1,636,835	82,726
Gedio	108,021	175,888	11,647	19,057	3,758	4,211	-	187,960	37,161
Wolayita	778,373	204,555	130,840	779	1,122	38,061	-	960,886	37,895
South Omo	1,581,893	1,391,330	2,843,777	25,260	5,784	35,955	-	1,058,382	129,030
Shaka	137,517	66,844	18,341	8,835	1,152	2,540	-	175,202	78,279
Kaffa	926,881	437,879	256,817	77,092	10,953	1,237	-	942,291	132,272
Gamo Gofa	1,313,492	521,989	310,697	46,346	11,380	45,774	-	1,025,385	86,396
Bench Maji	321,980	124,093	75,719	8,414	1,299	2,214	-	543,884	69,813
Yem Sp. Wereda	68,913	27,621	34,303	713	92	3,971	-	42,583	13,124
Dawro	301,297	93,449	60,624	5,551	6,624	2,451	-	188,542	24,102
Basketo Sp. Wereda	48,531	22,482	11,702	423	655	1,130	-	70,802	3,951
Konta Sp. Wereda	101,763	22,145	15,490	1,660	594	712	-	88,853	17,779
Silte	566,870	311,858	192,692	30,307	2,576	92,934	-	701,110	29,846
Alaba Sp. Wereda	166,772	54,205	61,910	3,815	447	40,379	-	224,351	8,417
Segen People	409,140	164,094	303,456	6,999	1,523	33,759	-	424,163	28,947
<b>Gambela region</b>	276,246	45,428	89,860	683	25	346	-	344,043	71,380
Agnuwak	27,488	2,267	26,628	-	-	255	-	157,350	52,131
Nuware	212,786	34,278	56,478	-	-	-	-	97,101	274
Mezhenger	20,980	5,915	2,917	683	25	92	-	49,910	18,975
Itang Special	14,993	2,968	3,837	-	-	-	-	39,681	-
<b>Harari</b>	57,258	8,401	58,432	-	-	11,620	4,353	71,697	830
Hundene	57,258	8,401	58,432	-	-	11,620	4,353	71,697	830
<b>Dire Dawa</b>	45,030	72,565	183,755	-	-	17,132	7,129	92,283	937

**TABLE 3-2: NUMBER OF CATTLE BY AGE AND SEX OF ANIMAL, ZONE, ZONE, AND REGION**

Geographic Area	CATTLE										
	ALL CATTLE	MALE					FEMALE				
		< 6 Months	6 Mo < 1yr	1yr - <3 yrs	3 - <10 yrs	10 yrs & Over	< 6 Months	6 Mo < 1yr	1yr - <3 yrs	3 - <10 yrs	10 yrs & Over
<b>Ethiopia</b>	55,027,280	5,14,073	2,099,315	4,095,873	15,121,553	724,758	2,714,593	2,280,780	4,930,712	19,853,243	692,382
<b>Tigray</b>	4,298,023	202,772	141,121	320,603	1,296,942	119,615	222,276	165,978	378,538	1,367,592	82,587
North West Tigray	1,634,498	85,302	54,077	132,847	439,853	47,901	93,424	58,199	149,681	535,367	37,847
Central Tigray	774,747	29,730	21,957	45,253	297,630	26,779	32,732	23,647	57,990	228,962	10,067
Eastern Tigray	438,750	17,711	14,834	35,300	142,347	14,967	17,463	21,091	44,107	123,103	7,827
Southern Tigray	721,747	25,859	25,057	52,900	254,880	12,698	31,586	30,387	60,391	222,024	5,967
Western Tigray	728,281	44,171	25,196	54,302	162,232	17,269	47,071	32,654	66,369	258,137	20,879
<b>Afar</b>	1,359,908	86,694	56,382	47,930	106,333	3,370	127,495	93,660	145,007	676,247	16,790
Zone 1	871,934	47,316	38,122	30,244	62,671	*	76,561	61,288	82,777	455,247	15,033
Zone 3	487,975	39,379	18,260	17,686	43,662	*	50,934	32,373	62,231	221,000	1,757
<b>Amhara</b>	14,225,988	539,312	397,144	1,134,894	4,829,625	357,985	570,532	426,235	1,206,341	4,528,320	235,600
North Gondar	3,002,290	135,224	97,945	240,655	854,304	67,782	140,369	100,265	296,619	1,010,957	58,169
South Gondar	1,658,330	48,596	45,109	130,553	572,468	44,497	57,854	54,993	138,905	543,090	22,264
North Wolo	855,925	38,129	27,495	71,787	287,523	8,664	40,531	26,768	73,004	272,967	9,056
South Wolo	1,622,359	77,295	45,278	135,919	572,657	13,565	77,576	52,027	130,634	506,952	10,457
North Shewa	1,346,314	36,469	38,357	94,722	609,663	22,035	42,233	39,588	98,803	356,351	8,092
East Gojam	1,852,518	57,412	45,745	141,411	652,907	90,211	62,135	52,617	137,227	574,953	37,900
West Gojam	2,225,294	70,085	55,961	191,055	787,741	85,420	65,454	52,817	183,338	674,323	59,100
Waghamera	337,969	11,735	8,397	26,029	112,841	6,179	15,900	11,480	25,168	117,277	2,962
Awii	1,007,707	44,547	23,374	81,175	283,554	16,466	48,423	26,748	95,351	364,123	23,947
Oromia	295,435	18,693	8,883	20,089	88,637	3,129	18,753	8,411	25,499	99,721	*
Argoba S. W.	21,848	1,127	601	1,499	7,330	37	1,303	522	1,792	7,605	33
<b>Oromia</b>	22,505,219	1,031,391	919,877	1,749,564	6,419,462	199,517	1,094,883	949,870	1,970,566	7,935,813	234,276
West Wellega	997,488	36,297	46,630	74,868	283,376	1,872	43,596	42,926	86,486	374,802	6,635
East Wellega	930,682	36,083	37,204	76,837	263,435	6,116	41,485	40,810	83,564	335,555	9,595
Illubabor	1,111,090	53,308	52,441	90,445	299,169	3,098	46,597	61,084	112,671	386,501	5,774
Jimma	2,193,372	101,383	91,206	190,476	662,449	3,165	94,686	76,507	196,374	769,138	*
West Shewa	2,028,953	74,302	74,284	178,635	657,876	33,248	74,743	68,705	189,448	648,936	28,775
North Shewa	1,515,649	52,518	55,972	120,198	499,878	30,565	61,283	65,734	123,829	483,770	21,901
East Shewa	1,116,744	31,265	33,601	74,706	466,962	16,363	40,757	36,125	75,554	332,512	8,899
Arsi	2,454,324	113,638	83,195	187,241	833,862	30,497	118,853	83,167	203,885	769,283	30,703
West Harerghe	990,251	61,932	38,161	82,201	280,444	*	62,383	40,251	93,915	326,349	3,743
East Harerghe	1,052,066	81,886	39,008	112,946	161,005	-	80,342	43,953	117,098	406,641	9,188
Bale	1,559,786	80,257	71,876	105,996	426,686	7,319	83,956	77,718	133,979	558,339	13,661
Borena	1,026,753	57,027	65,289	53,484	139,833	*	67,138	74,828	82,819	479,862	6,234
South West Shewa	1,109,216	27,353	40,809	86,990	420,182	28,882	33,827	43,388	86,467	325,002	16,317
Guji	1,348,774	76,747	67,630	84,108	232,913	*	91,339	66,559	130,623	566,954	24,533
West Arsi	1,900,808	111,707	76,413	138,220	405,491	10,693	116,218	83,695	153,584	780,936	23,850
Kelem Wellega	513,905	17,569	22,549	43,474	172,670	1,201	20,428	21,320	47,413	165,685	1,597
Horoguduru Wellega	655,357	18,119	23,611	48,738	213,230	18,018	17,252	23,098	52,859	225,548	14,883

TABLE 3-2 CONT'D

Geographic Area	CATTLE										
	ALL CATTLE	MALE					FEMALE				
		< 6 Months	6 Mo < 1yr	1yr - <3 yrs	3 - <10 yrs	10 yrs & Over	< 6 Months	6 Mo < 1yr	1yr - <3 yrs	3 - <10 yrs	10 yrs & Over
<b>Somale</b>	610,898	46,868	28,283	49,051	77,266	*	46,752	35,124	57,730	267,437	1,805
Shinele	14,451	1,062	732	1,602	1,420	-	939	746	1,811	6,073	*
Jijiga	368,374	30,681	16,318	31,038	46,412	-	29,589	23,307	35,157	155,461	*
Liben	228,073	15,125	11,232	16,411	29,433	*	16,225	11,071	20,762	105,903	1,328
<b>Benshangul-Gumuz</b>	604,563	24,270	23,017	46,751	144,603	3,642	25,458	24,220	55,881	251,165	5,556
Metekel	485,606	18,729	17,738	37,539	112,290	3,482	20,208	19,229	45,674	205,631	5,086
Asosa	72,641	3,237	3,015	5,107	20,746	*	2,498	2,631	6,161	28,842	332
Kemeshi	36,334	1,906	1,874	3,198	8,835	*	2,206	1,929	2,929	13,249	*
Mao Komo	9,982	398	391	907	2,732	-	546	431	1,116	3,443	*
<b>SNNP</b>	11,044,147	562,533	514,457	718,035	2,199,166	39,697	606,186	560,946	74,568	4,656,146	112,412
Gurage	933,052	43,507	40,643	56,703	157,114	9,025	58,434	45,152	89,098	421,442	11,934
Hadiya	817,958	38,155	27,656	48,734	214,271	*	38,449	35,945	76,243	332,015	3,577
Kembata Tembaro	354,858	15,749	12,966	22,443	68,029	*	19,185	18,016	36,474	159,585	2,142
Sidama	2,106,837	151,934	127,837	94,068	114,842	*	144,406	125,015	47,933	1,063,369	36,056
Gedio	108,021	6,313	4,683	12,216	36,599	-	1,992	2,949	8,603	34,666	-
Wolayita	778,373	40,722	33,649	56,876	155,782	*	42,486	38,877	75,357	316,256	15,674
South Omo	1,581,893	62,848	64,406	105,433	324,304	*	76,758	74,099	41,635	698,629	*
Shaka	137,517	6,929	9,061	11,313	26,798	-	7,372	8,622	13,820	53,390	*
Kaffa	926,881	51,015	40,029	77,895	222,388	1,257	52,380	49,228	95,160	331,457	*
Gamo Gofa	1,313,492	55,995	68,621	101,085	307,909	*	57,761	74,274	25,714	516,696	3,802
Bench Maji	321,980	14,421	12,009	21,751	85,495	*	19,474	17,181	32,670	116,938	*
Yem Sp. Wereda	68,913	1,671	2,099	4,428	25,635	*	2,792	1,963	5,005	25,128	*
Dawro	301,297	15,742	16,670	22,313	61,385	*	16,150	17,084	34,233	116,302	1,040
Basketo Sp. Wereda	48,531	1,740	2,012	4,740	13,218	*	2,420	1,944	5,257	16,997	*
Konta Sp. Wereda	101,763	6,088	5,819	9,154	24,973	*	5,039	5,439	10,005	34,867	*
Silte	566,870	26,417	25,030	30,565	158,623	4,500	33,658	23,005	40,868	217,614	6,591
Alaba Sp. Wereda	166,772	8,342	6,600	6,633	52,236	*	10,064	7,682	8,843	64,774	*
Segen People	409,140	14,946	14,669	31,685	149,564	*	17,367	14,469	27,652	136,020	*
<b>Gambela Region</b>	276,246	13,847	14,091	17,624	33,630	315	15,012	19,584	29,802	130,139	2,202
Angnuwak	27,488	748	1,912	3,425	11,366	*	665	905	1,746	6,494	*
Nuware	212,786	10,678	9,514	12,443	19,273	*	12,245	15,961	24,349	106,638	1,519
Mezhenger	20,980	1,813	1,969	845	1,427	*	1,321	1,699	2,359	9,452	*
Itang Special	14,993	*	*	*	1,565	*	781	1,019	1,347	7,554	*
<b>Harari</b>	57,258	3,494	3,240	6,260	7,582	-	3,273	3,120	5,956	23,799	533
Hundene	57,258	3,494	3,240	6,260	7,582	-	3,273	3,120	5,956	23,799	533
<b>Dire Dawa</b>	45,030	2,890	1,702	5,162	6,944	*	2,726	2,043	6,321	16,585	621

TABLE 3-3: NUMBER OF SHEEP BY AGE AND SEX OF ANIMAL, ZONE, AND REGION

Geographic Area	SHEEP								
	ALL SHEEP	MALE				FEMALE			
		< 6 Months	6 Mo < 1yr	1yr - <2 yrs	2 yrs & Over	< 6 Months	6 Mo < 1yr	1yr - <2 yrs	2 yrs & Over
<b>Ethiopia</b>	27,347,933	3,379,919	1,315,379	1,086,210	1,679,201	3,520,715	1,645,799	1,969,383	12,751,326
<b>Tigray</b>	1,481,963	151,309	77,236	57,591	92,298	152,386	116,335	149,036	685,771
North West Tigray	138,540	13,378	7,317	4,299	12,473	12,520	9,352	11,482	67,718
Central Tigray	322,758	32,244	17,336	17,695	17,041	30,578	29,204	33,515	145,146
Eastern Tigray	599,026	67,468	32,451	23,097	25,217	65,487	44,627	62,586	278,092
Southern Tigray	339,156	31,558	16,566	9,237	32,378	32,159	26,182	30,059	161,017
Western Tigray	82,484	6,661	*	*	*	11,643	6,970	*	33,798
<b>Afar</b>	1,474,618	140,335	57,262	58,044	95,244	178,323	118,499	151,841	675,070
Zone 1	789,886	73,652	34,078	35,402	57,745	81,387	55,106	67,019	385,497
Zone 3	684,732	66,684	23,184	22,642	37,499	96,936	63,393	84,822	289,574
<b>Amhara</b>	8,518,066	1,023,789	387,183	344,823	514,193	1,012,213	446,255	562,880	4,226,729
North Gonder	932,819	114,022	44,311	34,610	44,279	104,540	69,082	73,195	448,781
South Gonder	738,146	104,936	27,942	16,821	24,626	83,449	37,849	39,673	402,849
North Wolo	682,260	67,498	26,424	30,245	51,277	69,018	37,411	55,209	345,178
South Wolo	1,660,126	157,196	95,490	91,860	181,533	150,844	75,400	104,034	803,767
North Shewa	1,487,744	145,322	74,905	78,687	130,282	156,891	76,532	90,158	734,967
East Gojam	1,191,631	171,375	27,861	23,448	30,943	188,289	68,490	83,533	597,692
West Gojam	1,091,834	167,110	56,060	37,805	18,616	156,292	43,760	66,585	545,606
Waghamera	145,380	9,686	7,374	8,840	12,516	10,593	11,448	16,417	68,505
Awı	464,722	73,263	20,483	12,348	7,497	80,635	21,152	26,789	222,555
Oromia	115,178	12,618	6,202	9,897	11,899	10,751	4,997	6,569	52,245
Argoba Special	8,226	763	131	261	723	912	133	718	4,585
<b>Oromia</b>	9,493,622	1,385,496	456,566	299,781	431,094	1,455,584	543,477	565,262	4,356,361
West Wellega	323,763	56,640	16,365	7,241	7,570	55,920	17,838	24,529	137,661
East Wellega	235,980	38,461	15,477	8,904	7,176	42,018	13,673	11,465	98,805
Illubabor	410,986	70,282	17,437	10,854	9,574	63,979	21,113	20,113	197,633
Jimma	836,596	113,642	39,402	34,076	24,529	124,997	35,920	37,259	426,770
West Shewa	936,539	145,575	44,455	23,012	24,165	157,226	65,226	52,454	424,426
North Shewa	1,121,550	170,359	41,135	21,498	40,123	183,929	40,237	41,356	582,913
East Shewa	352,682	44,080	19,298	9,119	23,840	50,813	19,520	22,003	164,009
Arsi	1,579,695	227,630	91,154	59,016	66,255	243,957	106,325	111,218	674,140
West Harerghe	185,625	26,128	4,297	6,952	4,443	32,670	8,297	11,559	91,279
East Harerghe	455,813	66,029	24,006	20,007	29,918	67,460	29,878	25,742	192,773
Bale	400,381	48,728	23,430	*	*	50,873	23,568	30,284	160,301
Borena	352,322	32,290	20,241	9,696	33,898	33,645	26,787	23,924	171,842
South West Shewa	421,739	63,120	23,793	22,101	20,677	62,506	22,852	24,755	181,935
Guji	507,570	70,540	22,656	15,711	36,291	68,762	26,358	33,263	233,990
West Arsi	882,364	129,049	29,241	22,115	40,141	137,702	52,665	66,858	404,594
Kelem Wellega	262,033	45,689	14,425	5,834	10,809	40,578	20,354	15,831	108,512
Horoguduru Wellega	227,985	37,254	9,756	3,861	8,270	38,548	12,866	12,649	104,780



TABLE 3-3 CONT'D

Geographic Area	SHEEP								
	ALL SHEEP	MALE				FEMALE			
		< 6 Months	6 Mo < 1yr	1yr - <2 yrs	2 yrs &Over	< 6 Months	6 Mo < 1yr	1yr - <2 yrs	2 yrs &Over
<b>Somale</b>	1,420,767	118,796	79,398	95,930	168,336	138,866	100,875	144,834	573,731
Shinele	49,020	4,545	2,618	2,488	4,168	5,780	3,841	5,719	19,860
Jijiga	996,708	72,730	61,650	79,329	117,566	89,741	72,006	115,158	388,526
Liben	375,040	41,520	15,130	14,112	46,602	43,344	25,028	23,957	165,345
<b>Benshangul-Gumuz</b>	83,825	14,060	4,433	2,765	3,020	12,339	4,412	6,385	36,410
Metekel	48,056	7,707	2,805	1,231	1,133	7,444	2,708	4,470	20,558
Asosa	17,151	3,089	898	825	742	2,004	*	*	7,782
Kemeshi	9,920	1,722	310	466	875	1,575	332	575	4,065
Mao komo	8,697	1,542	421	244	269	1,315	460	441	4,005
<b>SNNP</b>	4,748,676	531,177	246,292	219,771	368,386	555,409	307,252	375,899	2,144,490
Gurage	334,204	46,662	14,285	15,595	16,495	52,002	21,105	20,452	147,608
Hadiya	246,571	29,813	16,355	5,678	9,495	33,522	13,877	18,852	118,980
Kembata Tembaro	112,978	11,964	8,690	7,440	12,975	13,188	6,097	8,656	43,968
Sidama	436,491	60,306	15,071	15,594	13,873	61,829	27,491	33,748	208,580
Gedio	175,888	20,860	15,151	4,190	13,778	22,174	9,654	6,784	83,296
Wolayita	204,555	24,308	12,874	8,840	10,010	28,024	17,098	26,131	77,271
South Omo	1,391,330	113,217	79,284	90,464	186,945	100,193	98,240	136,684	586,303
Shaka	66,844	9,688	4,229	1,075	1,996	11,242	4,000	2,661	31,952
Kaffa	437,879	64,399	13,572	14,144	8,728	67,184	22,602	25,886	221,364
Gamo Gofa	521,989	52,602	24,043	25,130	36,947	60,101	36,874	40,472	245,819
Bench Maji	124,093	13,929	6,031	5,858	7,546	15,573	6,237	9,205	59,714
Yem Sp. Wereda	27,621	4,054	825	366	600	4,418	1,341	1,515	14,503
Dawro	93,449	12,066	5,838	5,799	4,689	12,789	5,523	10,322	36,423
Basketo Sp. Wereda	22,482	2,303	916	877	739	3,039	1,423	1,733	11,453
Konta Sp. Wereda	22,145	2,886	2,647	2,051	1,960	2,410	1,373	1,675	7,143
Silte	311,858	42,188	16,013	7,742	15,722	46,197	22,498	17,634	143,864
Alaba Sp. Wereda	54,205	7,139	2,870	1,015	2,118	8,675	3,498	2,400	26,490
Segen People	164,094	12,793	7,596	7,914	23,773	12,851	8,322	11,085	79,759
<b>Gambela Region</b>	45,428	4,892	2,692	3,416	3,887	5,200	3,417	3,756	18,170
Angnuwak	*	*	*	*	*	*	*	*	*
Nuware	34,278	3,786	1,665	2,030	2,812	3,897	2,871	3,148	14,070
Mezhenger	5,915	551	679	1,041	481	765	207	306	1,884
Itang Special	2,968	*	*	*	*	*	*	*	1,407
<b>Harari</b>	8,401	969	384	391	*	1,062	405	686	4,184
Hundene	8,401	969	384	391	*	1,062	405	686	4,184
<b>Dire Dawa</b>	72,565	9,095	3,934	3,697	2,422	9,332	4,872	8,804	30,409

TABLE 3-4: NUMBER OF GOATS BY AGE AND SEX OF ANIMAL, ZONE, AND REGION

Geographic Area	GOATS								
	ALL GOATS	MALE				FEMALE			
		< 6 Months	6 Mo < 1yr	1yr - <2 yrs	2 yrs & Over	< 6 Months	6 Mo < 1yr	1yr - <2 yrs	2 yrs & Over
<b>Ethiopia</b>	28,163,332	3,149,779	1,453,883	1,318,390	2,249,990	3,454,216	1,985,728	2,348,038	12,203,307
<b>Tigray</b>	4,000,252	380,252	205,826	170,230	304,656	425,756	332,238	418,249	1,763,046
North West Tigray	1,780,868	187,131	77,659	69,866	118,804	208,855	137,743	196,199	784,610
Central Tigray	1,049,114	76,252	68,793	57,780	100,009	83,424	90,253	107,191	465,411
Eastern Tigray	216,564	17,900	10,773	10,814	16,036	19,715	20,077	19,138	102,110
Southern Tigray	443,124	37,488	23,544	12,017	38,095	40,550	37,539	46,379	207,512
Western Tigray	510,582	61,480	25,056	19,752	31,712	73,212	46,626	49,341	203,403
<b>Afar</b>	2,984,271	246,551	107,612	98,180	197,268	364,009	232,272	337,914	1,400,465
Zone 1	1,901,791	159,085	66,574	58,777	138,908	223,132	133,281	193,204	928,831
Zone 3	1,082,479	87,466	41,038	39,403	58,360	140,876	98,992	144,710	471,634
<b>Amhara</b>	5,291,571	649,345	287,091	275,960	478,280	679,835	354,284	351,943	2,214,833
North Gondar	1,386,767	201,569	71,260	63,834	68,014	209,770	111,820	104,337	556,162
South Gondar	434,230	44,626	27,445	18,341	41,145	50,373	27,245	31,328	193,727
North Wolo	489,691	48,899	24,811	23,004	51,378	52,015	30,516	32,702	226,366
South Wolo	697,187	86,083	47,586	33,536	87,137	75,674	31,853	36,184	299,134
North Shewa	735,978	87,895	36,677	56,311	109,246	82,853	38,517	44,796	279,684
East Gojam	479,160	59,319	25,305	21,260	31,462	72,785	48,185	23,166	197,678
West Gojam	315,142	48,409	20,850	17,961	17,770	50,724	19,487	20,068	119,874
Waghamera	405,085	21,280	16,649	23,666	44,830	32,541	32,067	39,900	194,152
Awi	142,612	23,235	6,856	8,691	11,956	24,132	5,419	7,327	54,996
Oromia	183,723	24,638	8,451	8,463	13,348	26,065	8,117	10,908	83,734
Argoba Special	21,994	3,391	1,201	892	1,997	2,903	1,059	1,226	9,325
<b>Oromia</b>	8,151,014	1,144,981	442,906	315,292	449,183	1,187,053	562,367	564,783	3,484,448
West Wellega	160,175	30,453	9,654	3,278	3,963	28,277	10,080	11,460	63,010
East Wellega	135,215	23,570	8,288	6,709	7,756	25,149	8,972	8,254	46,518
Illubabor	240,756	38,026	13,422	4,977	6,233	43,412	18,074	21,375	95,236
Jimma	439,193	73,659	19,640	15,198	4,527	82,368	21,234	24,165	198,401
West Shewa	453,167	91,435	21,946	10,585	17,466	83,660	25,300	33,667	169,107
North Shewa	253,728	43,519	13,867	11,082	13,840	46,099	14,794	14,296	96,231
East Shewa	579,382	79,861	33,523	18,264	32,649	88,455	43,636	28,093	254,902
Arsi	777,159	108,537	42,833	32,353	50,949	102,886	67,009	73,619	298,973
West Harerghe	905,369	120,076	37,795	32,763	47,648	145,022	57,832	54,385	409,848
East Harerghe	997,746	134,056	60,307	60,563	55,817	131,598	63,580	68,369	423,456
Bale	743,590	90,794	41,340	31,303	51,363	88,530	55,428	42,094	342,739
Borena	957,688	90,196	52,583	36,267	78,293	105,686	71,609	75,341	447,713
South West Shewa	351,697	50,051	23,739	13,332	23,890	54,959	23,213	20,664	141,850
Guji	471,623	60,880	22,002	19,984	33,341	60,911	34,927	38,259	201,319
West Arsi	375,520	55,315	22,750	9,997	8,871	48,074	25,813	29,449	175,250
Kelem Wellega	142,352	25,259	9,733	3,582	2,943	23,231	9,420	12,089	56,095
Horoguduru Wellega	166,654	29,295	9,483	5,057	9,635	28,735	11,445	9,204	63,801

TABLE 3-4 CONT'D

Geographic Area	GOATS								
	ALL GOATS	MALE				FEMALE			
		< 6 Months	6 Mo < 1yr	1yr - <2 yrs	2 yrs & Over	< 6 Months	6 Mo < 1yr	1yr - <2 yrs	2 yrs & Over
<b>Somale</b>	2,033,165	178,656	107,434	114,618	233,414	216,037	147,503	164,343	871,161
Shinele	143,425	13,331	5,966	5,760	9,483	16,964	12,818	16,019	63,085
Jijiga	916,193	77,862	63,584	70,736	113,678	90,841	74,154	81,522	343,816
Liben	973,547	87,463	37,884	38,121	110,254	108,231	60,531	66,802	464,260
<b>Benshangul-Gumuz</b>	417,424	65,751	19,177	13,536	19,943	70,749	29,505	27,115	171,648
Metekel	189,617	30,973	8,793	6,850	6,903	35,776	12,058	10,291	77,971
Asosa	153,386	22,019	6,547	3,982	9,624	22,919	12,215	11,984	64,096
Kemeshi	57,645	9,677	2,785	2,431	3,220	9,430	3,729	3,258	23,116
Mao Komo	16,776	3,082	1,052	273	196	2,624	1,504	1,582	6,464
<b>SNNP</b>	4,953,588	445,905	264,763	314,395	550,105	469,654	302,066	445,108	2,161,593
Gurage	138,175	19,952	10,606	7,748	8,600	15,870	9,357	9,579	56,463
Hadiya	168,801	23,119	9,948	9,146	5,326	21,416	12,748	12,896	74,202
Kembata Tembaro	53,222	6,254	3,557	1,936	1,909	8,131	4,320	3,504	23,610
Sidama	265,376	35,262	9,122	*	16,782	35,448	9,249	*	120,570
Gedio	11,647	1,453	*	*	*	2,076	*	*	4,924
Wolayita	130,840	19,447	7,248	4,572	4,324	20,476	7,876	9,424	57,473
South Omo	2,843,777	150,572	148,564	221,899	427,770	189,722	183,356	303,849	1,218,045
Shaka	18,341	2,608	874	619	944	2,977	766	1,042	8,511
Kaffa	256,817	43,929	13,250	6,159	6,331	41,443	12,733	14,852	118,120
Gamo Gofa	310,697	42,894	14,650	15,590	16,332	41,928	13,780	24,687	140,836
Bench Maji	75,719	10,622	5,396	2,113	4,053	9,181	5,311	6,237	32,807
Yem Sp. Wereda	34,303	5,083	1,772	886	*	5,135	1,870	1,900	17,258
Dawro	60,624	8,994	4,149	3,383	4,540	8,489	3,863	5,329	21,875
Basketo Sp. Wereda	11,702	1,791	428	*	688	1,711	560	728	5,220
Konta Sp. Wereda	15,490	2,438	1,040	*	*	1,566	1,393	1,570	6,131
Silte	192,692	29,833	13,917	4,625	12,023	26,821	10,134	10,798	84,542
Alaba Sp. Wereda	61,910	10,004	3,308	1,544	2,604	8,691	4,129	2,249	29,382
Segen People	303,456	31,652	16,534	13,864	35,479	28,573	19,562	16,166	141,625
<b>Gambela Region</b>	89,860	12,276	5,336	3,459	3,988	12,441	7,373	8,509	36,479
Angnuwak	26,628	4,094	1,920	856	1,019	3,412	2,317	2,409	10,601
Nuware	56,478	7,421	2,713	2,308	2,735	8,212	4,380	5,410	23,300
Mezhenger	2,917	427	490	*	*	343	298	*	1,028
Itang Special	3,837	*	213	*	88	474	*	665	1,549
<b>Harari</b>	58,432	5,362	4,132	4,052	3,764	6,897	4,061	5,307	24,856
Hundene	58,432	5,362	4,132	4,052	3,764	6,897	4,061	5,307	24,856
<b>Dire Dawa</b>	183,755	20,701	9,606	8,668	9,390	21,785	14,060	24,767	74,779

TABLE 3-5: NUMBER OF HORSES AND DONKEYS BY AGE AND SEX OF ANIMAL, ZONE, AND REGION

Geographic Area	HORSES AND DONKEYS									
	ALL HORSES	HORSES				ALL DONKEYS	DONKEYS			
		MALE		FEMALE			MALE		FEMALE	
		< 3 Years	3 Yrs & more	< 3 Years	3 Yrs & more		< 3 Years	3 Yrs & more	< 3 Years	3 Yrs & more
Ethiopia	1,963,010	200,936	750,708	190,600	820,766	6,953,077	799,054	2,474,712	774,382	2,904,929
Tigray	2,878	-	1,328	*	*	697,421	77,898	293,751	72,566	253,206
North West Tigray	-	-	-	-	-	187,372	20,866	67,307	22,134	77,066
Central Tigray	-	-	-	-	-	167,433	20,702	62,384	15,766	68,581
Eastern Tigray	*	-	*	-	-	113,275	11,824	55,748	10,456	35,247
Southern Tigray	*	-	*	*	*	165,179	19,534	65,828	21,234	58,584
Western Tigray	*	-	*	-	*	64,162	4,972	42,484	2,976	13,729
Afar	*	-	*	-	-	103,830	18,065	30,888	8,498	46,380
Zone 1	*	-	*	-	-	59,056	12,679	16,093	4,469	25,816
Zone 3	-	-	-	-	-	44,774	5,386	14,795	4,029	20,564
Amhara	404,814	37,640	127,382	36,913	202,879	2,428,758	298,132	741,687	325,000	1,063,939
North Gonder	24,214	3,445	8,574	*	*	407,665	53,063	150,827	52,287	151,489
South Gonder	26,219	*	*	*	*	287,397	36,900	57,583	39,040	153,874
North Wolo	29,627	3,264	10,198	3,195	12,969	181,450	27,234	40,479	30,071	83,664
South Wolo	81,308	6,960	11,802	8,881	53,665	364,070	40,687	96,181	53,163	174,039
North Shewa	43,163	5,567	9,459	4,926	23,210	373,205	37,852	163,743	37,893	133,717
East Gojam	105,924	7,612	42,052	8,889	47,372	356,727	44,187	102,641	49,142	160,758
West Gojam	32,881	*	7,885	*	*	253,060	30,920	64,994	37,249	119,896
Waghamera	*	-	*	-	-	76,817	7,416	34,365	7,123	27,914
Awi	60,959	5,471	28,266	4,694	22,528	77,007	13,297	17,710	13,275	32,725
Oromia	*	-	*	-	-	47,852	6,147	11,940	5,307	24,458
Argoba Special	-	-	-	-	-	3,509	429	1,225	449	1,405
Oromia	1,186,437	132,003	467,073	121,140	466,222	2,898,282	339,350	1,035,123	309,071	1,214,738
West Wellega	*	*	*	-	*	131,282	16,833	31,060	15,556	67,833
East Wellega	*	*	*	*	*	76,566	9,200	29,574	8,727	29,065
Illubabor	48,620	4,967	15,417	6,845	21,391	36,360	3,732	13,569	4,492	14,567
Jimma	88,524	7,280	35,611	8,503	37,130	72,118	5,454	37,096	4,543	25,025
West Shewa	143,139	16,966	58,729	10,961	56,483	224,516	28,805	68,602	30,607	96,502
North Shewa	102,906	18,555	22,967	13,300	48,084	247,866	40,005	50,426	39,949	117,486
East Shewa	14,376	*	11,959	*	*	309,109	29,259	129,171	30,717	119,962
Arsi	243,009	31,290	79,293	27,985	104,441	406,514	52,607	136,179	44,794	172,933
West Harerghe	-	-	-	-	-	221,329	21,235	89,913	21,543	88,638
East Harerghe	*	-	*	-	-	252,465	30,037	97,132	21,754	103,542
Bale	81,153	*	37,651	8,407	27,815	236,775	26,419	99,923	19,648	90,785
Borena	*	-	*	-	*	76,297	6,805	35,080	5,671	28,741
South West Shewa	52,223	1,587	39,448	*	9,949	197,242	24,793	63,544	20,959	87,946
Guji	168,896	15,519	64,997	14,859	73,521	82,778	8,942	30,966	8,471	34,399
West Arsi	189,316	21,679	79,324	22,972	65,340	205,270	20,668	75,827	17,475	91,301
Kelem Wellega	11,331	*	4,937	1,219	3,810	48,069	4,181	22,618	4,402	16,868
Horoguduru Wellega	36,756	4,370	13,894	4,464	14,027	73,726	10,375	24,442	9,764	29,145

TABLE 3-5 CONT'D

Geographic Area	HORSES AND DONKEYS									
	ALL HORSES	HORSES				ALL DONKEYS	DONKEYS			
		MALE		FEMALE			MALE		FEMALE	
		< 3 Years	3 Yrs & more	< 3 Years	3 Yrs & more		< 3 Years	3 Yrs & more	< 3 Years	3 Yrs & more
<b>Somale</b>	*	-	*	-	-	156,011	16,318	63,469	13,554	62,670
Shinele	-	-	-	-	-	6,761	729	2,732	674	2,626
Jijiga	*	-	*	-	-	80,428	7,485	33,968	6,585	32,390
Liben	-	-	-	-	-	68,822	8,104	26,770	6,295	27,654
<b>Benshangul-Gumuz</b>	*	*	*	*	*	68,484	7,086	38,097	5,337	17,964
Metekel	*	*	*	*	*	31,696	3,082	20,631	1,577	6,406
Asosa	-	-	-	-	-	28,090	3,317	12,067	3,221	9,484
Kemeshi	-	-	-	-	-	6,367	393	4,781	248	945
Mao Komo	-	-	-	-	-	2,332	295	618	291	1,128
<b>SNNP</b>	366,008	30,793	153,768	31,782	149,666	571,191	39,089	260,916	37,158	234,027
Gurage	59,609	7,363	25,960	5,256	21,031	82,911	8,492	34,259	4,685	35,476
Hadiya	27,144	1,601	7,945	2,854	14,745	92,820	7,211	27,464	6,476	51,669
Kembata Tembaro	5,863	*	3,273	*	2,018	29,610	1,306	23,883	818	3,603
Sidama	38,140	*	18,162	*	14,618	60,520	*	51,082	*	7,085
Gedio	19,057	*	11,155	*	5,954	4,211	-	3,616	-	*
Wolayita	*	-	*	-	-	38,061	*	32,129	*	*
South Omo	25,260	1,919	11,860	2,679	8,801	35,955	4,268	12,244	*	16,433
Shaka	8,835	*	4,794	1,076	2,320	2,540	-	2,320	*	*
Kaffa	77,092	6,738	37,008	7,742	25,604	1,237	-	1,042	-	*
Gamo Gofa	46,346	4,979	12,329	3,953	25,086	45,774	*	24,103	2,857	17,207
Bench Maji	8,414	798	4,003	*	3,452	2,214	-	*	*	*
Yem Sp. Wereda	713	*	*	*	422	3,971	357	1,364	239	2,011
Dawro	5,551	393	3,178	*	1,775	2,451	-	1,619	*	554
Basketo Sp. Wereda	423	-	389	-	*	1,130	-	789	*	305
Konta Sp. Wereda	1,660	*	1,162	*	*	712	*	618	-	-
Silte	30,307	1,801	6,958	2,902	18,647	92,934	6,833	16,375	8,870	60,857
Alaba Sp. Wereda	3,815	335	1,691	*	1,538	40,379	4,326	7,237	5,747	23,068
Segen People	*	*	*	*	*	33,759	2,208	18,832	2,142	10,577
<b>Gambela Region</b>	683	-	683	-	-	*	*	*	-	-
Angnuwak	-	-	-	-	-	*	*	*	-	-
Nuware	-	-	-	-	-	-	-	-	-	-
Mezhenger	683	-	683	-	-	*	-	*	-	-
Itang Special	-	-	-	-	-	-	-	-	-	-
<b>Harari</b>	-	-	-	-	-	11,620	736	6,857	1,018	3,009
Hundene	-	-	-	-	-	11,620	736	6,857	1,018	3,009
<b>Dire Dawa</b>	-	-	-	-	-	17,132	2,326	3,632	2,179	8,995

TABLE 3-6: NUMBER OF MULES AND CAMELS BY AGE AND SEX OF ANIMAL, ZONE, AND REGION

Geographic Area	MULES					CAMELS				
	All Mules	MALE		FEMALE		All Camels	MALE		FEMALE	
		< 3 Years	3 Years and Older	< 3 Years	3 Years and Older		< 4 Years	4 Years and Older	< 4 Years	4 Years and Older
<b>Ethiopia</b>	356,087	28,752	158,039	24,722	144,574	1,098,312	154,217	266,431	168,194	509,470
<b>Tigray</b>	5,895	-	2,856	-	3,039	87,163	19,735	52,813	*	*
North West Tigray	1,770	-	-	-	1,770	19,910	-	19,605	-	*
Central Tigray	*	-	*	-	-	1,925	*	*	-	-
Eastern Tigray	*	-	*	-	*	-	-	-	-	-
Southern Tigray	*	-	*	-	*	60,424	*	26,966	*	*
Western Tigray	1,181	-	703	-	478	4,903	*	4,578	-	*
<b>Afar</b>	*	-	-	-	*	335,039	37,316	51,255	65,058	181,409
Zone 1	-	-	-	-	-	131,602	16,346	33,987	24,961	56,308
Zone 3	*	-	-	-	*	203,437	20,970	17,268	40,097	125,101
<b>Amhara</b>	129,832	17,395	46,598	14,957	50,881	64,389	4,725	59,665	-	-
North Gondar	6,493	*	2,919	*	2,039	*	-	*	-	-
South Gondar	11,483	*	*	*	4,749	-	-	-	-	-
North Wolo	8,650	*	2,377	1,174	3,919	17,330	*	16,731	-	-
South Wolo	28,554	3,924	9,084	*	11,579	18,404	*	18,102	-	-
North Shewa	9,376	*	3,639	-	5,401	13,565	*	12,954	-	-
East Gojam	15,754	1,744	7,300	*	4,702	-	-	-	-	-
West Gojam	28,086	3,625	5,286	4,740	14,435	-	-	-	-	-
Waghamera	4,047	-	1,625	-	2,422	-	-	-	-	-
Awi	17,090	4,798	9,366	*	*	-	-	-	-	-
Oromia	*	-	*	*	*	11,415	*	8,229	-	-
Argoba Special	-	-	-	-	-	707	*	679	-	-
<b>Oromia</b>	151,110	9,163	67,992	7,440	66,515	268,089	51,102	29,838	49,571	137,578
West Wellega	3,601	*	2,513	-	846	-	-	-	-	-
East Wellega	4,019	-	1,236	-	2,783	-	-	-	-	-
Illubabor	11,463	*	2,735	1,106	6,652	-	-	-	-	-
Jimma	22,664	*	5,413	*	14,624	-	-	-	-	-
West Shewa	9,502	*	5,082	*	3,457	*	*	*	-	-
North Shewa	3,254	-	*	*	*	-	-	-	-	-
East Shewa	7,118	*	5,932	-	*	*	*	-	*	*
Arsi	29,188	*	15,888	*	9,909	*	*	*	*	*
West Harerghe	2,083	-	*	-	*	41,594	9,760	2,495	7,448	21,891
East Harerghe	*	-	-	-	*	39,800	*	7,955	*	18,850
Bale	15,271	*	7,716	*	5,924	19,660	*	3,203	*	9,933
Borena	2,816	*	2,014	-	*	70,234	10,841	10,167	14,341	34,886
South West Shewa	6,899	*	2,987	*	3,127	-	-	-	-	-
Guji	17,067	*	6,340	*	8,186	39,806	*	*	7,284	17,370
West Arsi	4,977	*	*	*	*	-	-	-	-	-
Kelem Wellega	6,482	-	3,446	*	2,858	-	-	-	-	-
Horoguduru Wellega	3,599	-	1,581	-	2,018	*	-	-	*	-

TABLE 3-6 CONT'D

Geographic Area	MULES					CAMELS				
	All Mules	MALE		FEMALE		All Camels	MALE		FEMALE	
		< 3 Years	3 Years and Older	< 3 Years	3 Years and Older		< 4 Years	4 Years and Older	< 4 Years	4 Years and Older
<b>Somale</b>	*	-	*	-	-	332,150	39,473	70,500	47,856	174,321
Shinele	-	-	-	-	-	10,237	1,376	2,152	1,777	4,931
Jijiga	*	-	*	-	-	74,612	9,046	18,149	12,146	35,271
Liben	-	-	-	-	-	247,301	29,050	50,199	33,933	134,119
<b>Benshangul-Gumuz</b>	1,131	*	578	-	446	-	-	-	-	-
Metekel	1,043	*	528	-	408	-	-	-	-	-
Asosa	-	-	-	-	-	-	-	-	-	-
Kemeshi	*	-	*	-	*	-	-	-	-	-
Mao komo	*	-	*	-	-	-	-	-	-	-
	67,840	2,086	39,958	2,324	23,472	-	-	-	-	-
<b>SNNP</b>	4,570	*	*	-	1,412	-	-	-	-	-
Gurage	6,246	*	*	*	2,631	-	-	-	-	-
Hadiya	1,383	-	*	*	*	-	-	-	-	-
Kembata Tembaro	*	-	*	-	*	-	-	-	-	-
Sidama	3,758	-	2,954	-	804	-	-	-	-	-
Gedio	*	-	*	*	*	-	-	-	-	-
Wolayita	5,784	*	3,122	*	2,077	-	-	-	-	-
South Omo	1,152	-	624	-	*	-	-	-	-	-
Shaka	10,953	*	7,573	*	2,491	-	-	-	-	-
Kaffa	11,380	*	5,967	*	4,586	-	-	-	-	-
Gamo Gofa	1,299	-	610	-	689	-	-	-	-	-
Bench Maji	*	-	*	-	*	-	-	-	-	-
Yem Sp. Wereda	6,624	333	3,702	*	2,456	-	-	-	-	-
Dawro	655	*	425	-	194	-	-	-	-	-
Basketo Sp. Wereda	594	-	268	-	327	-	-	-	-	-
Konta Sp. Wereda	2,576	-	1,530	*	*	-	-	-	-	-
Silte	*	-	-	-	*	-	-	-	-	-
Alaba Sp. Wereda	1,523	-	1,260	-	*	-	-	-	-	-
Segen People	*	-	-	-	*	-	-	-	-	-
<b>Gambela Region</b>	-	-	-	-	-	-	-	-	-	-
Angnuwak	-	-	-	-	-	-	-	-	-	-
Nuware	*	-	-	-	*	-	-	-	-	-
Mezhenger	-	-	-	-	-	-	-	-	-	-
Itang Special	-	-	-	-	-	-	-	-	-	-
<b>Harari</b>	-	-	-	-	-	*	*	*	717	*
Hundene	-	-	-	-	-	*	*	*	717	*
<b>Dire Dawa</b>	-	-	-	-	-	7,129	1,286	2,254	1,369	2,221

TABLE 3-7: CATTLE AGED 3 – 10 YEARS BY SEX, PURPOSE, ZONE, AND REGION

Geographic Area	CATTLE AGED 3 – 10 YEARS									
	Total	MALE				FEMALE				
		Draught	Beef	Breeding	Other	Milk	Draught	Beef	Breeding	Other
<b>Ethiopia</b>	34,974,795	13,549,045	361,070	620,322	591,115	6,675,466	219,317	63,306	11,675,603	1,219,551
<b>Tigray</b>	2,664,535	1,218,318	1,704	64,124	12,797	57,640	7,831	1,421	1,288,824	11,876
North West Tigray	975,220	412,401	*	24,754	*	*	3,278	*	523,235	*
Central Tigray	526,592	289,513	*	5,293	2,387	8,945	1,904	*	214,741	*
Eastern Tigray	265,450	139,344	*	1,873	*	22,090	*	-	100,464	*
Southern Tigray	476,904	226,822	*	23,485	4,208	12,240	1,333	*	202,028	6,239
Western Tigray	420,370	150,237	*	8,718	3,161	6,725	1,135	*	248,356	*
<b>Afar</b>	782,579	55,584	-	49,203	*	277,016	*	*	378,908	*
Zone 1	517,918	36,485	-	24,922	*	174,765	*	-	262,979	*
Zone 3	264,662	19,098	-	24,281	*	102,251	*	*	115,929	*
<b>Amhara</b>	9,357,945	4,582,017	51,674	47,471	148,462	388,387	127,230	14,172	3,712,196	286,335
North Gonder	1,865,261	800,441	*	13,206	38,527	105,381	*	2,221	803,434	86,960
South Gonder	1,115,558	554,074	*	5,982	11,261	89,428	22,215	*	417,935	13,025
North Wolo	560,490	280,997	*	2,590	2,694	22,187	*	*	235,184	3,350
South Wolo	1,079,609	564,483	-	*	6,580	66,184	*	-	413,571	18,299
North Shewa	966,014	578,651	7,995	6,381	16,636	21,118	7,846	*	304,362	22,039
East Gojam	1,227,860	617,061	11,477	*	22,635	18,733	27,150	*	468,935	57,160
West Gojam	1,462,064	724,959	24,571	*	32,228	33,715	21,010	3,056	569,474	47,068
Waghamera	230,119	109,150	*	2,683	*	10,149	1,178	*	101,962	3,694
Awi	647,677	259,887	2,736	*	14,573	*	13,950	3,693	300,843	29,497
Oromia	188,358	85,128	*	*	2,477	*	-	*	89,637	4,685
Argoba Special	14,935	7,187	*	58	*	165	*	*	6,859	559
<b>Oromia</b>	14,355,274	5,725,142	218,153	232,344	243,823	2,577,541	68,169	27,011	4,862,163	400,929
West Wellega	658,177	246,645	3,543	17,878	15,310	29,853	*	*	307,304	31,424
East Wellega	598,990	239,266	5,620	5,061	13,488	*	1,714	*	313,447	16,381
Illubabor	685,671	271,197	4,841	12,872	10,259	95,164	2,827	*	266,242	21,381
Jimma	1,431,587	599,176	*	2,678	33,759	348,605	*	*	364,006	54,339
West Shewa	1,306,812	597,766	19,973	*	19,597	125,662	8,611	*	480,485	33,012
North Shewa	983,649	453,617	14,807	22,470	8,984	153,585	3,487	*	310,959	*
East Shewa	799,474	428,344	6,361	8,419	23,838	67,549	3,367	*	225,984	35,334
Arsi	1,603,146	762,630	15,076	23,133	33,023	309,014	*	1,939	420,807	34,702
West Harerghe	606,792	247,863	29,885	*	*	89,849	*	*	232,287	3,190
East Harerghe	567,646	129,055	27,980	2,634	*	83,837	*	1,216	313,315	6,466
Bale	985,025	383,065	*	*	25,865	369,912	*	*	154,387	30,800
Borena	619,694	91,968	3,222	43,710	*	135,322	-	*	330,547	*
South West Shewa	745,184	391,359	4,879	9,893	14,051	72,354	*	*	239,132	10,476
Guji	799,867	190,557	13,504	25,821	*	244,294	*	*	297,926	19,124
West Arsi	1,186,428	331,016	22,623	21,957	29,895	401,669	30,385	*	285,541	56,067
Kelem Wellega	338,355	165,484	3,580	1,355	2,252	41,424	-	-	114,618	9,642
Horoguduru Wellega	438,778	196,132	3,136	7,413	6,548	*	2,340	*	205,174	12,006



TABLE 3-7 CONT'D

Geographic Area	CATTLE AGED 3 – 10 YEARS									
	Total	MALE				FEMALE				
		Draught	Beef	Breeding	Other	Milk	Draught	Beef	Breeding	Other
<b>Somale</b>	344,703	44,718	4,653	27,748	*	112,834	*	*	152,795	*
Shinele	7,493	757	*	463	-	816	*	-	5,185	*
Jijiga	201,873	36,534	*	6,974	*	91,246	*	*	63,240	-
Liben	135,337	7,427	*	20,310	*	20,773	*	-	84,370	*
<b>Benshangul-Gumuz</b>	395,768	131,098	1,111	3,735	8,659	49,032	*	*	189,161	6,841
Metekel	317,921	100,327	922	2,715	8,326	40,407	*	-	154,229	6,492
Asosa	49,588	19,617	*	*	*	4,187	*	-	23,331	*
Kemeshi	22,084	8,471	-	*	*	3,831	*	*	8,765	*
Mao komo	6,175	2,684	-	*	-	608	-	-	2,835	-
<b>SNNP</b>	6,855,312	1,769,002	80,920	174,141	175,103	3,164,102	7,290	18,750	972,978	493,027
Gurage	578,556	132,258	4,097	2,469	18,289	307,270	*	*	31,534	81,356
Hadiya	546,286	179,374	*	*	33,861	257,293	*	-	9,827	64,292
Kembata Tembaro	227,613	53,027	1,210	*	13,343	118,124	*	*	*	39,952
Sidama	1,178,212	57,699	18,006	28,373	10,765	781,266	*	6,480	177,919	97,190
Gedio	71,264	10,873	21,198	4,527	-	15,939	*	2,356	13,233	2,952
Wolayita	472,039	131,812	*	*	20,221	233,756	*	*	*	70,575
South Omo	1,022,934	186,719	10,589	110,707	16,289	253,224	1,885	*	426,157	12,361
Shaka	80,189	25,598	1,071	*	*	44,678	-	*	7,163	*
Kaffa	553,845	210,670	6,935	*	2,434	203,693	-	*	122,915	3,935
Gamo Gofa	824,605	259,648	7,096	11,028	30,137	412,999	*	*	47,610	54,817
Bench Maji	202,434	83,708	1,289	*	*	96,150	-	-	18,991	*
Yem Sp. Wereda	50,763	22,626	460	*	2,435	9,496	*	-	12,635	2,892
Dawro	177,687	52,269	409	2,816	5,890	95,318	1,110	*	4,507	15,184
Basketo Sp. Wereda	30,215	12,077	*	369	536	11,367	*	-	4,175	1,419
Konta Sp. Wereda	59,840	23,641	539	*	481	29,104	*	*	2,378	3,140
Silte	376,237	145,070	*	2,680	10,490	168,250	*	-	26,647	22,352
Alaba Sp. Wereda	117,011	46,407	*	*	5,204	50,226	-	-	3,118	11,431
Segen People	285,584	135,526	6,080	3,379	4,580	75,949	*	*	52,859	6,007
<b>Gambela Region</b>	163,769	12,539	-	20,722	*	39,984	*	*	88,867	*
Angnuwak	17,860	11,112	-	*	-	5,319	*	-	891	*
Nuware	125,911	-	-	18,963	*	25,209	-	-	80,456	*
Mezhenger	10,879	1,427	-	-	-	6,009	-	*	3,413	-
Itang Special	9,120	-	-	1,506	*	*	-	-	4,107	-
<b>Harari</b>	31,381	5,572	1,591	*	*	5,291	*	*	17,497	734
Hundene	31,381	5,572	1,591	*	*	5,291	*	*	17,497	734
<b>Dire Dawa</b>	23,529	5,056	1,264	447	*	3,639	-	*	12,214	666

TABLE 3-8: SHEEP AGED 2 YEARS AND OLDER BY SEX, PURPOSE, ZONE, AND REGION

Geographic Area	SHEEP AGED 2 YEARS AND OLDER								
	Total	MALE				FEMALE			
		Mutton/Meat	Wool	Breeding	Other	Mutton/Meat	Wool	Breeding	Other
<b>Ethiopia</b>	14,430,527	615,255	12,818	959,541	91,587	93,630	67,140	12,519,446	71,110
<b>Tigray</b>	778,069	17,661	*	64,004	8,494	1,236	9,763	672,886	1,886
North West Tigray	80,191	*	*	9,864	*	299	-	67,419	-
Central Tigray	162,186	*	*	12,768	2,909	-	1,160	143,985	-
Eastern Tigray	303,309	4,051	-	20,975	*	375	2,784	274,933	-
Southern Tigray	193,395	12,202	*	18,298	*	460	5,700	152,971	1,886
Western Tigray	38,988	-	-	*	*	102	118	33,578	-
<b>Afar</b>	770,315	7,278	*	84,088	*	1,926	6,248	653,555	13,341
Zone 1	443,242	*	*	50,884	*	1,656	2,422	380,170	1,248
Zone 3	327,073	*	*	33,204	*	270	3,826	273,385	12,093
<b>Amhara</b>	4,740,923	232,754	*	219,368	58,656	33,791	24,105	4,139,568	29,265
North Gondar	493,060	*	-	29,058	*	1,469	5,042	438,539	3,731
South Gondar	427,475	15,523	-	8,658	*	1,763	5,598	393,590	1,897
North Wolo	396,455	21,830	*	28,377	*	2,693	-	340,610	1,875
South Wolo	985,301	68,609	*	79,406	31,698	6,224	3,219	789,488	4,835
North Shewa	865,250	81,213	*	41,305	6,875	4,539	5,897	718,092	6,439
East Gojam	628,635	15,389	-	13,342	*	3,238	2,926	586,920	4,608
West Gojam	564,222	11,514	-	5,538	*	4,099	534	538,205	2,768
Waghamera	81,022	*	-	8,719	1,861	-	-	68,505	-
Awi	230,051	4,278	*	*	*	9,437	889	209,398	2,830
Oromia	64,144	8,709	-	*	591	329	-	51,644	272
Argoba Special	5,308	58	-	422	*	-	-	4,575	10
<b>Oromia</b>	4,787,456	204,701	5,932	210,217	10,244	22,124	23,725	4,296,777	13,735
West Wellega	145,230	*	*	4,443	*	1,158	672	135,443	388
East Wellega	105,981	3,478	*	3,444	*	-	209	98,265	332
Illubabor	207,206	2,371	*	6,875	*	348	1,397	195,724	164
Jimma	451,300	12,665	*	8,247	*	4,904	3,137	414,867	3,863
West Shewa	448,591	14,112	-	10,053	-	1,880	1,467	420,773	306
North Shewa	623,036	16,691	*	20,263	*	2,016	10,500	566,443	3,953
East Shewa	187,849	11,086	*	11,128	*	1,243	215	162,351	200
Arsi	740,395	35,188	*	29,997	*	1,428	1,678	669,629	1,405
West Harerghe	95,722	1,519	-	2,924	-	-	-	91,058	221
East Harerghe	222,692	26,917	-	*	*	294	-	192,479	-
Bale	203,715	*	*	*	*	6,079	1,465	152,387	368
Borena	205,740	*	*	26,098	*	293	-	170,805	743
South West Shewa	202,612	13,247	-	7,430	-	-	1,888	180,047	-
Guji	270,281	6,735	-	28,501	*	1,298	341	231,308	1,044
West Arsi	444,734	21,472	-	18,668	-	496	350	403,148	599
Kelem Wellega	119,321	*	-	6,453	*	160	-	108,202	149
Horoguduru Wellega	113,050	3,662	*	4,530	-	527	406	103,847	-

TABLE 3-8 CONT'D

Geographic Area	SHEEP AGED 2 YEARS AND OLDER								
	Total	MALE				FEMALE			
		Mutton/Meat	Wool	Breeding	Other	Mutton/Meat	Wool	Breeding	Other
<b>Somale</b>	742,068	35,842	*	131,578	*	243	847	570,788	1,854
Shinele	24,028	2,366	*	1,738	*	121	95	19,519	124
Jijiga	506,092	32,332	-	84,381	*	53	751	385,992	1,730
Liben	211,948	*	-	45,459	-	68	-	165,277	-
<b>Benshangul-Gumuz</b>	39,430	1,226	-	1,793	-	-	32	36,378	-
Metekel	21,691	465	-	*	-	-	-	20,558	-
Asosa	8,525	*	-	*	-	-	-	7,782	-
Kemeshi	4,940	*	-	468	-	-	32	4,033	-
Mao Komo	4,274	-	-	269	-	-	-	4,005	-
<b>SNNP</b>	2,512,876	113,534	*	244,514	9,994	34,244	2,325	2,097,427	10,494
Gurage	164,103	9,032	-	7,167	*	7,750	296	139,142	421
Hadiya	128,475	2,360	-	6,593	*	-	258	117,913	809
Kembata Tembaro	56,943	10,344	*	*	*	274	-	43,066	629
Sidama	222,452	4,178	-	9,695	-	3,643	-	204,936	-
Gedio	97,074	7,518	-	6,081	*	432	-	82,133	731
Wolayita	87,281	5,367	-	4,430	*	240	-	76,537	494
South Omo	773,248	*	-	149,561	*	14,877	940	569,387	1,100
Shaka	33,948	1,423	-	*	-	-	-	31,519	434
Kaffa	230,092	6,023	-	*	*	2,423	469	216,691	1,780
Gamo Gofa	282,767	*	-	19,908	*	1,379	-	243,317	1,124
Bench Maji	67,260	5,232	-	2,010	*	748	-	58,457	509
Yem Sp. Wereda	15,102	339	-	*	*	-	30	14,415	57
Dawro	41,111	1,472	*	2,620	*	555	122	35,592	153
Basketo Sp. Wereda	12,192	216	-	523	-	-	35	11,418	-
Konta Sp. Wereda	9,103	*	-	1,251	*	166	-	6,035	942
Silte	159,586	2,300	-	12,208	*	1,759	-	141,223	882
Alaba Sp. Wereda	28,608	*	-	1,907	-	-	-	26,336	154
Segen People	103,532	5,935	-	16,770	*	-	175	79,309	275
<b>Gambela Region</b>	22,057	*	*	3,211	*	-	96	17,836	238
Angnuwak	*	-	-	*	*	-	-	809	-
Nuware	16,882	-	*	2,643	*	-	96	13,735	238
Mezhenger	2,366	*	-	*	-	-	-	1,884	-
Itang Special	1,520	-	-	*	-	-	-	1,407	-
<b>Harari</b>	4,504	*	-	*	-	-	-	4,184	-
Hundene	4,504	*	-	*	-	-	-	4,184	-
<b>Dire Dawa</b>	32,831	1,800	-	622	-	65	-	30,048	296

TABLE 3-9: GOATS AGED 2 YEARS AND OLDER BY SEX, PURPOSE, ZONE, AND REGION

Geographic Area	GOATS AGED 2 YEARS AND OLDER							
	Total	MALE			FEMALE			
		Meat	Breeding	Other	Meat	Milk	Breeding	Other
<b>Ethiopia</b>	14,453,297	638,580	1,528,104	83,305	*	980,729	11,070,710	45,803
<b>Tigray</b>	2,067,702	17,582	253,896	33,178	6,634	6,393	1,741,509	*
North West Tigray	903,414	8,128	96,059	*	*	*	781,381	-
Central Tigray	565,420	*	89,367	8,786	-	*	464,529	*
Eastern Tigray	118,146	3,026	10,280	*	*	*	97,142	*
Southern Tigray	245,607	3,208	32,504	*	*	1,988	199,018	*
Western Tigray	235,115	1,364	25,686	4,662	*	*	199,439	*
<b>Afar</b>	1,597,733	14,679	180,594	1,995	13,581	390,213	990,145	*
Zone 1	1,067,739	11,202	126,038	*	*	281,396	631,220	*
Zone 3	529,994	*	54,556	*	*	108,817	358,925	-
<b>Amhara</b>	2,693,113	247,192	202,479	28,608	8,885	10,765	2,184,732	10,451
North Gonder	624,176	14,457	49,673	*	*	*	550,034	*
South Gonder	234,871	23,708	15,611	*	*	-	192,911	-
North Wolo	277,744	17,021	33,569	*	*	*	225,269	-
South Wolo	386,271	52,964	27,838	6,335	*	*	291,910	*
North Shewa	388,929	75,061	29,545	*	*	2,880	271,196	*
East Gojam	229,140	27,080	4,382	-	*	*	195,939	*
West Gojam	137,644	12,501	*	*	*	-	117,910	*
Waghamera	238,981	9,659	29,791	*	*	*	192,328	*
Awi	66,952	6,460	4,704	*	-	-	54,724	*
Oromia	97,082	7,774	4,300	1,274	*	*	83,408	*
Argoba Special	11,322	508	1,441	48	*	*	9,103	183
<b>Oromia</b>	3,933,631	186,863	252,511	9,809	11,832	305,193	3,158,801	8,621
West Wellega	66,973	*	3,428	-	-	*	60,683	*
East Wellega	54,273	3,578	3,406	*	*	*	45,596	*
Illubabor	101,468	1,848	4,195	*	*	*	93,495	*
Jimma	202,928	2,602	*	*	*	*	196,887	-
West Shewa	186,573	6,089	9,544	*	*	-	166,147	*
North Shewa	110,071	*	*	*	-	*	94,771	-
East Shewa	287,550	8,846	22,793	*	-	*	247,558	*
Arsi	349,922	25,249	25,373	*	*	*	236,780	*
West Harerghe	457,497	27,169	18,212	*	*	*	397,280	*
East Harerghe	479,273	48,555	6,960	*	*	11,212	408,166	*
Bale	394,102	15,060	36,303	-	*	135,995	205,199	*
Borena	526,006	*	70,630	*	*	*	416,351	*
South West Shewa	165,740	17,060	6,580	*	*	*	140,051	*
Guji	234,660	*	26,590	-	*	*	190,169	*
West Arsi	184,121	3,531	4,421	*	*	33,908	141,049	-
Kelem Wellega	59,038	*	1,101	-	*	-	55,362	*
Horoguduru Wellega	73,435	5,104	4,531	-	*	*	63,259	*

TABLE 3-9 CONT'D

Geographic Area	GOATS AGED 2 YEARS AND OLDER							
	Total	MALE			FEMALE			
		Meat	Breeding	Other	Meat	Milk	Breeding	Other
<b>Somale</b>	1,104,575	44,780	185,387	*	4,192	39,047	820,000	*
Shinele	72,567	4,250	5,233	-	*	1,505	59,733	-
Jijiga	457,494	33,437	80,241	-	*	19,842	322,350	-
Liben	574,514	7,093	99,913	*	*	17,701	437,917	*
<b>Benshangul-Gumuz</b>	191,591	3,565	15,857	*	*	*	168,846	*
Metekel	84,874	1,488	5,159	*	*	*	77,085	*
Asosa	73,721	*	8,387	*	*	*	62,461	-
Kemeshi	26,336	*	2,211	*	*	-	22,923	*
Mao Komo	6,660	*	*	*	*	-	6,376	*
<b>SNNP</b>	2,711,697	*	430,146	5,608	*	220,712	1,878,856	2,725
Gurage	65,062	*	2,521	*	-	*	55,558	-
Hadiya	79,528	*	4,291	*	-	*	71,892	-
Kembata Tembaro	25,519	966	*	*	-	*	22,375	*
Sidama	137,352	9,150	7,632	-	-	42,875	77,696	-
Gedio	6,011	*	*	-	-	-	4,924	-
Wolayita	61,797	2,461	1,863	-	-	*	57,234	-
South Omo	1,645,815	*	352,482	*	*	159,237	1,002,472	*
Shaka	9,455	817	*	-	-	-	8,447	*
Kaffa	124,451	4,018	*	*	*	-	116,467	-
Gamo Gofa	157,168	2,354	13,978	-	-	*	139,525	-
Bench Maji	36,859	*	*	*	-	*	32,423	*
Yem Sp. Wereda	17,657	*	*	*	-	-	17,228	*
Dawro	26,415	1,180	*	*	-	*	21,394	*
Basketo Sp. Wereda	5,908	*	315	-	-	-	5,220	-
Konta Sp. Wereda	7,044	*	*	*	*	*	5,749	*
Silte	96,564	1,946	9,572	*	*	8,207	74,391	*
Alaba Sp. Wereda	31,985	*	2,285	*	-	4,457	24,776	*
Segen People	177,104	5,967	27,242	*	*	*	141,087	*
<b>Gambela Region</b>	40,467	182	3,598	*	*	*	33,692	*
Angnuwak	11,620	*	725	*	-	-	10,449	*
Nuware	26,035	-	2,735	-	-	*	20,769	-
Mezhenger	1,175	*	*	*	*	-	1,002	-
Itang Special	1,638	*	75	*	*	*	1,472	-
<b>Harari</b>	28,620	3,171	594	-	-	*	24,560	-
Hundene	28,620	3,171	594	-	-	*	24,560	-
<b>Dire Dawa</b>	84,168	6,216	3,044	*	195	*	69,568	*

TABLE 3-10: HORSES AGED 3 YEARS AND OLDER BY SEX, PURPOSE, ZONE, AND REGION

Geographic Area	HORSES AGED 3 YEARS AND OLDER						
	Total	MALE			FEMALE		
		Transportation	Draught	Other	Transportation	Draught	Other
<b>Ethiopia</b>	1,571,474	645,742	93,834	11,133	483,432	120,582	216,752
<b>Tigray</b>	2,638	1,088	-	*	*	-	*
North West Tigray	-	-	-	-	-	-	-
Central Tigray	-	-	-	-	-	-	-
Eastern Tigray	*	*	-	-	-	-	-
Southern Tigray	*	*	-	*	*	-	*
Western Tigray	*	*	-	-	*	-	-
<b>Afar</b>	*	*	-	-	-	-	-
Zone 1	*	*	-	-	-	-	-
Zone 3	-	-	-	-	-	-	-
<b>Amhara</b>	330,261	48,758	77,563	*	31,751	97,949	73,178
North Gonder	18,779	5,693	*	-	*	*	*
South Gonder	*	*	*	*	*	*	*
North Wolo	23,167	1,831	*	-	*	8,152	*
South Wolo	65,467	8,297	*	-	5,608	*	*
North Shewa	32,669	7,721	*	*	18,042	*	*
East Gojam	89,423	12,388	29,664	-	1,900	24,226	21,245
West Gojam	*	4,921	*	-	*	*	*
Waghamera	*	*	-	-	-	-	-
Awi	50,794	5,043	23,223	-	-	21,035	1,493
Oromia	*	*	-	-	-	-	-
Argoba special	-	-	-	-	-	-	-
<b>Oromia</b>	933,295	458,585	4,476	4,011	361,350	*	98,357
West Wellega	*	*	-	-	*	-	-
East Wellega	*	*	-	-	-	-	*
Illubabor	36,808	14,695	*	*	10,520	*	9,204
Jimma	72,741	35,611	-	-	13,707	-	23,423
West Shewa	115,212	54,686	*	*	32,455	*	20,511
North Shewa	71,051	22,134	*	-	40,339	*	*
East Shewa	13,857	11,959	-	-	*	-	-
Arsi	183,734	79,293	-	-	99,577	-	*
West Harerghe	-	-	-	-	-	-	-
East Harerghe	*	*	-	-	-	-	-
Bale	65,467	37,651	-	-	18,342	-	*
Borena	*	*	-	-	*	-	-
South West Shewa	49,396	38,930	*	-	6,509	*	*
Guji	138,518	63,868	-	*	61,906	-	11,615
West Arsi	144,665	78,082	*	*	62,842	*	*
Kelem Wellega	8,747	4,937	-	-	3,105	-	*
Horoguduru Wellega	27,921	13,894	-	-	8,716	-	5,311

TABLE 3-10 CONT'D

Geographic Area	HORSES AGED 3 YEARS AND OLDER						
	Total	MALE			FEMALE		
		Transportation	Draught	Other	Transportation	Draught	Other
<b>Somale</b>	*	*	-	-	-	-	-
Shinele	-	-	-	-	-	-	-
Jijiga	*	*	-	-	-	-	-
Liben	-	-	-	-	-	-	-
<b>Benshangul-Gumuz</b>	*	*	-	-	*	-	*
Metekel	*	*	-	-	*	-	*
Asosa	-	-	-	-	-	-	-
Kemeshi	-	-	-	-	-	-	-
Mao Komo	-	-	-	-	-	-	-
<b>SNNP</b>	303,433	136,307	11,795	*	89,444	16,118	44,105
Gurage	46,991	25,741	-	*	*	-	7,445
Hadiya	22,690	7,945	-	-	8,165	*	3,939
Kembata Tembaro	5,291	3,153	*	-	*	*	*
Sidama	32,780	17,573	*	-	*	-	*
Gedio	17,109	10,329	-	*	*	-	*
Wolayita	*	*	-	-	-	-	-
South Omo	20,661	*	*	*	1,174	7,272	*
Shaka	7,114	4,733	-	*	*	-	1,391
Kaffa	62,612	36,813	-	*	11,163	-	14,441
Gamo Gofa	37,414	*	2,066	*	*	5,906	*
Bench Maji	7,455	4,003	-	-	3,252	-	*
Yem Sp. Wereda	588	*	*	-	422	-	-
Dawro	4,953	2,724	-	*	1,056	-	*
Basketo Sp. Wereda	423	212	176	-	-	*	-
Konta Sp. Wereda	1,464	1,162	-	-	*	-	*
Silte	25,604	6,958	-	-	17,651	-	*
Alaba Sp. Wereda	3,228	1,691	-	-	1,538	-	-
Segen People	*	*	*	-	*	-	-
<b>Gambela Region</b>	683	528	-	*	-	-	-
Angnuwak	-	-	-	-	-	-	-
Nuware	-	-	-	-	-	-	-
Mezhenger	683	528	-	*	-	-	-
Itang Special	-	-	-	-	-	-	-
<b>Harari</b>	-	-	-	-	-	-	-
Hundene	-	-	-	-	-	-	-
<b>Dire Dawa</b>	-	-	-	-	-	-	-

TABLE 3-11: DONKEYS AGED 3 YEARS AND OLDER BY SEX, PURPOSE, ZONE, AND REGION

Geographic Area	DONKEYS AGED 3 YEARS AND OLDER						
	TOTAL	MALE			FEMALE		
		Transportation	Draught	Other	Transportation	Draught	Other
<b>Ethiopia</b>	5,379,641	2,036,637	379,942	58,133	2,227,699	515,530	161,699
<b>Tigray</b>	546,957	213,772	74,775	5,203	198,348	49,580	5,278
North West Tigray	144,372	64,982	-	*	74,143	*	*
Central Tigray	130,965	38,891	22,382	*	48,125	19,376	*
Eastern Tigray	90,995	34,513	20,854	*	24,016	10,137	*
Southern Tigray	124,412	35,638	29,613	*	39,873	18,350	*
Western Tigray	56,214	39,749	*	*	12,191	*	*
<b>Afar</b>	77,268	30,149	*	-	42,633	*	*
Zone 1	41,908	15,354	*	-	22,069	*	*
Zone 3	35,359	14,795	-	-	20,564	-	-
<b>Amhara</b>	1,805,626	540,323	178,403	22,961	653,524	303,336	107,078
North Gondar	302,315	132,298	17,483	*	129,546	16,758	*
South Gondar	211,457	46,596	10,987	-	105,454	32,989	15,431
North Wolo	124,144	31,831	7,185	*	61,389	16,044	6,232
South Wolo	270,220	87,579	*	*	130,603	29,565	13,871
North Shewa	297,460	143,350	11,385	*	110,644	*	*
East Gojam	263,399	42,981	52,869	*	19,253	94,113	47,392
West Gojam	184,891	6,523	55,348	*	42,654	70,618	6,625
Waghamera	62,278	26,611	6,886	*	17,846	6,914	*
Awi	50,435	9,617	7,847	*	11,066	19,071	*
Oromia	36,398	11,722	*	-	23,685	*	*
Argoba Special	2,630	1,215	*	-	1,386	*	*
<b>Oromia</b>	2,249,861	934,833	81,927	18,363	1,036,626	139,330	38,783
West Wellega	98,893	28,533	*	1,182	60,214	*	5,163
East Wellega	58,639	23,708	*	-	25,999	*	*
Illubabor	28,136	11,840	1,032	*	11,169	*	1,744
Jimma	62,121	36,576	*	-	25,025	-	-
West Shewa	165,103	61,520	6,776	*	75,034	19,859	*
North Shewa	167,912	33,816	16,013	*	67,353	49,583	*
East Shewa	249,133	120,458	*	*	109,328	*	*
Arsi	309,113	131,905	*	*	162,036	*	*
West Harerghe	178,552	78,674	*	*	84,750	*	*
East Harerghe	200,674	75,192	21,940	-	88,690	14,483	*
Bale	190,708	98,963	-	*	88,748	*	*
Borena	63,821	34,876	*	-	27,809	*	*
South West Shewa	151,491	50,994	12,550	-	49,349	37,138	*
Guji	65,365	30,435	-	*	29,618	*	*
West Arsi	167,127	73,667	*	*	89,594	-	1,707
Kelem Wellega	39,487	22,618	-	-	16,459	-	*
Horoguduru Wellega	53,588	21,056	*	*	25,451	-	3,694



TABLE 3-11 CONT'D

Geographic Area	DONKEYS AGED 3 YEARS AND OLDER						
	TOTAL	MALE			FEMALE		
		Transportation	Draught	Other	Transportation	Draught	Other
<b>Somale</b>	126,139	63,255	*	-	61,705	*	*
Shinele	5,358	2,732	-	-	2,598	*	-
Jijiga	66,358	33,753	*	-	31,852	-	*
Liben	54,423	26,770	-	-	27,255	-	*
<b>Benshangul-Gumuz</b>	56,061	28,388	9,471	*	12,563	4,073	*
Metekel	27,037	15,537	5,094	-	5,111	*	*
Asosa	21,552	9,932	2,033	*	5,914	2,965	*
Kemeshi	5,726	2,480	2,206	*	843	*	*
Mao Komo	1,746	439	138	*	695	415	*
<b>SNNP</b>	494,944	216,067	33,731	11,119	210,801	18,532	4,695
Gurage	69,735	33,560	*	*	35,476	-	-
Hadiya	79,134	27,464	-	-	51,669	-	-
Kembata Tembaro	27,486	23,753	*	-	3,603	-	-
Sidama	58,167	37,575	*	*	7,085	-	-
Gedio	4,211	2,790	-	*	*	-	-
Wolayita	36,233	24,910	*	6,897	*	-	*
South Omo	28,677	*	1,775	*	11,713	1,628	*
Shaka	2,430	2,019	*	*	*	-	-
Kaffa	1,237	*	*	*	*	-	-
Gamo Gofa	41,310	18,470	5,362	*	*	11,796	-
Bench Maji	2,119	*	-	-	*	-	-
Yem Sp. Wereda	3,375	1,274	*	-	1,831	*	*
Dawro	2,173	1,206	-	412	*	-	*
Basketo Sp. Wereda	1,094	*	*	-	*	233	-
Konta Sp. Wereda	618	618	-	-	-	-	-
Silte	77,232	15,835	-	*	59,585	*	*
Alaba Sp. Wereda	30,305	7,237	-	-	23,068	-	-
Segen People	29,409	6,977	11,855	-	6,412	4,165	-
<b>Gambela Region</b>	*	*	-	*	-	-	-
Angnuwak	*	*	-	*	-	-	-
Nuware	-	-	-	-	-	-	-
Mezhenger	*	*	-	-	-	-	-
Itang Special	-	-	-	-	-	-	-
<b>Harari</b>	9,867	6,321	*	*	2,881	128	-
Hundene	9,867	6,321	*	*	2,881	128	-
<b>Dire Dawa</b>	12,628	3,406	218	*	8,618	*	*

TABLE 3-12: MULES AGED 3 YEARS AND OLDER BY SEX, PURPOSE, ZONE, AND REGION

Geographic Area	MULES AGED 3 YEARS AND OLDER						
	TOTAL	MALE			FEMALE		
		Transportation	Draught	Other	Transportation	Draught	Other
<b>Ethiopia</b>	302,613	137,446	16,511	4,083	128,117	10,135	6,322
<b>Tigray</b>	5,895	2,856	-	-	2,741	*	-
North West Tigray	1,770	-	-	-	1,472	*	-
Central Tigray	*	*	-	-	-	-	-
Eastern Tigray	*	*	-	-	*	-	-
Southern Tigray	*	*	-	-	*	-	-
Western Tigray	1,181	703	-	-	478	-	-
<b>Afar</b>	*	-	-	-	*	-	-
Zone 1	-	-	-	-	-	-	-
Zone 3	*	-	-	-	*	-	-
<b>Amhara</b>	97,479	31,112	13,653	*	40,000	6,524	*
North Gondar	4,958	2,919	-	-	2,039	-	-
South Gondar	9,665	2,527	*	-	3,953	*	-
North Wolo	6,296	2,377	-	-	3,690	*	-
South Wolo	20,663	9,084	-	-	10,830	*	-
North Shewa	9,040	3,639	-	-	5,401	-	-
East Gojam	12,001	*	*	*	*	*	-
West Gojam	19,721	*	1,689	*	8,120	*	*
Waghamera	4,047	1,625	-	-	2,422	-	-
Awi	10,896	5,039	4,061	*	*	-	*
Oromia	*	*	-	-	*	-	-
Argoba Special	-	-	-	-	-	-	-
<b>Oromia</b>	134,507	67,377	*	*	65,171	*	*
West Wellega	3,359	2,513	-	-	846	-	-
East Wellega	4,019	1,236	-	-	2,783	-	-
Illubabor	9,387	2,539	*	-	6,080	*	*
Jimma	20,037	5,413	-	-	14,187	-	*
West Shewa	8,539	5,082	-	-	3,457	-	-
North Shewa	2,327	*	-	-	*	-	-
East Shewa	6,600	5,681	*	-	*	*	-
Arsi	25,796	15,888	-	-	9,909	-	-
West Harerghe	2,083	*	-	-	*	-	-
East Harerghe	*	-	-	-	*	-	-
Bale	13,640	7,716	-	-	5,924	-	-
Borena	2,647	2,014	-	-	*	-	-
South West Shewa	6,115	2,987	-	-	3,127	-	-
Guji	14,526	6,340	-	-	8,186	-	-
West Arsi	4,423	*	-	-	*	-	-
Kelem Wellega	6,303	3,446	-	-	2,858	-	-
Horoguduru Wellega	3,599	1,414	-	*	1,934	-	*

TABLE 3-12 CONT'D

Geographic Area	MULES AGED 3 YEARS AND OLDER						
	TOTAL	MALE			FEMALE		
		Transportation	Draught	Other	Transportation	Draught	Other
<b>Somale</b>	*	*	-	-	-	-	-
Shinele	-	-	-	-	-	-	-
Jijiga	*	*	-	-	-	-	-
Liben	-	-	-	-	-	-	-
<b>Benshangul-Gumuz</b>	1,024	423	-	*	446	-	-
Metekel	936	374	-	*	408	-	-
Asosa	-	-	-	-	-	-	-
Kemeshi	*	*	-	-	*	-	-
Mao Komo	*	*	-	-	-	-	-
<b>SNNP</b>	63,430	35,620	2,410	*	19,539	*	*
Gurage	4,153	*	-	-	1,412	-	-
Hadiya	5,690	*	-	-	2,631	-	-
Kembata Tembaro	*	*	-	-	*	-	-
Sidama	*	*	-	-	*	-	-
Gedio	3,758	2,954	-	-	804	-	-
Wolayita	886	*	-	*	*	-	-
South Omo	5,200	*	*	-	*	*	-
Shaka	1,152	547	*	-	*	*	-
Kaffa	10,064	7,573	-	-	2,415	-	*
Gamo Gofa	10,553	3,910	*	*	2,835	*	*
Bench Maji	1,299	610	-	-	594	*	-
Yem Sp. Wereda	*	*	-	-	*	-	-
Dawro	6,158	3,505	-	*	2,128	-	*
Basketo Sp. Wereda	619	289	*	*	*	*	*
Konta Sp. Wereda	594	268	-	-	327	-	-
Silte	2,419	1,530	-	-	*	-	-
Alaba Sp. Wereda	*	-	-	-	*	-	-
Segen People	1,523	1,260	-	-	*	-	-
<b>Gambela Region</b>	*	-	-	-	*	-	-
Angnuwak	-	-	-	-	-	-	-
Nuware	-	-	-	-	-	-	-
Mezhenger	*	-	-	-	*	-	-
Itang Special	-	-	-	-	-	-	-
<b>Harari</b>	-	-	-	-	-	-	-
Hundene	-	-	-	-	-	-	-
<b>Dire Dawa</b>	-	-	-	-	-	-	-

TABLE 3-13: CAMELS AGED 4 YEARS AND OLDER BY SEX, PURPOSE, ZONE, AND REGION

Geographic Area	CAMELS AGED 4 YEARS AND OLDER									
	TOTAL	MALE				FEMALE				
		Transportation	Meat	Draught	Other	Transportation	Meat	Draught	Milk	Others
<b>Ethiopia</b>	775,901	177,146	19,200	8,612	61,474	*	21,209	*	265,439	218,645
<b>Tigray</b>	63,804	39,880	*	3,442	*	-	*	-	*	*
North West Tigray	19,910	18,334	-	*	-	-	*	-	-	-
Central Tigray	*	*	-	*	-	-	-	-	-	-
Eastern Tigray	-	-	-	-	-	-	-	-	-	-
Southern Tigray	*	*	*	*	*	-	-	-	*	*
Western Tigray	4,691	4,146	-	*	-	-	-	-	-	*
<b>Afar</b>	232,665	49,080	*	-	1,958	-	12,445	-	91,389	*
Zone 1	90,295	33,066	-	-	*	-	*	-	27,490	24,938
Zone 3	142,369	16,014	*	-	*	-	8,565	-	63,899	*
<b>Amhara</b>	59,665	53,396	-	*	*	-	-	-	-	-
North Gonder	*	*	-	-	-	-	-	-	-	-
South Gonder	-	-	-	-	-	-	-	-	-	-
North Wolo	16,731	14,847	-	*	*	-	-	-	-	-
South Wolo	18,102	18,102	-	-	-	-	-	-	-	-
North Shewa	12,954	*	-	*	-	-	-	-	-	-
East Gojam	-	-	-	-	-	-	-	-	-	-
West Gojam	-	-	-	-	-	-	-	-	-	-
Waghamera	-	-	-	-	-	-	-	-	-	-
Awi	-	-	-	-	-	-	-	-	-	-
Oromia	8,229	8,229	-	-	-	-	-	-	-	-
Argoba Special	679	679	-	-	-	-	-	-	-	-
<b>Oromia</b>	167,417	10,572	7,940	-	11,326	*	1,109	-	93,543	41,633
West Wellega	-	-	-	-	-	-	-	-	-	-
East Wellega	-	-	-	-	-	-	-	-	-	-
Illubabor	-	-	-	-	-	-	-	-	-	-
Jimma	-	-	-	-	-	-	-	-	-	-
West Shewa	*	-	-	-	*	-	-	-	-	-
North Shewa	-	-	-	-	-	-	-	-	-	-
East Shewa	*	-	-	-	-	-	-	-	*	*
Arsi	*	-	-	-	*	-	-	-	*	*
West Harerghe	24,386	*	*	-	*	-	-	-	18,482	*
East Harerghe	26,805	*	*	-	*	-	-	-	*	*
Bale	13,136	2,982	*	-	-	-	*	-	9,423	*
Borena	45,052	3,534	*	-	*	*	*	-	*	10,103
South West Shewa	-	-	-	-	-	-	-	-	-	-
Guji	*	*	-	-	*	-	*	-	*	*
West Arsi	-	-	-	-	-	-	-	-	-	-
Kelem Wellega	-	-	-	-	-	-	-	-	-	-
Horoguduru Wellega	-	-	-	-	-	-	-	-	-	-

TABLE 3-13 CONT'D

Geographic Area	CAMELS AGED 4 YEARS AND OLDER									
	TOTAL	MALE				FEMALE				
		Transportation	Meat	Draught	Other	Transportation	Meat	Draught	Milk	Others
<b>Somale</b>	244,821	22,151	7,691	*	40,190	1,384	6,824	*	68,070	97,291
Shinele	7,084	2,117	*	*	-	-	521	*	4,203	*
Jijiga	53,420	12,234	5,063	*	*	973	3,686	*	29,453	*
Liben	184,318	7,800	*	-	39,780	*	2,617	*	34,415	96,085
<b>Benshangul-Gumuz</b>	-	-	-	-	-	-	-	-	-	-
Metekel	-	-	-	-	-	-	-	-	-	-
Asosa	-	-	-	-	-	-	-	-	-	-
Kemeshi	-	-	-	-	-	-	-	-	-	-
Mao Komo	-	-	-	-	-	-	-	-	-	-
<b>SNNP</b>	-	-	-	-	-	-	-	-	-	-
Gurage	-	-	-	-	-	-	-	-	-	-
Hadiya	-	-	-	-	-	-	-	-	-	-
Kembata Tembaro	-	-	-	-	-	-	-	-	-	-
Sidama	-	-	-	-	-	-	-	-	-	-
Gedio	-	-	-	-	-	-	-	-	-	-
Wolayita	-	-	-	-	-	-	-	-	-	-
South Omo	-	-	-	-	-	-	-	-	-	-
Shaka	-	-	-	-	-	-	-	-	-	-
Kaffa	-	-	-	-	-	-	-	-	-	-
Gamo Gofa	-	-	-	-	-	-	-	-	-	-
Bench Maji	-	-	-	-	-	-	-	-	-	-
Yem Sp. Wereda	-	-	-	-	-	-	-	-	-	-
Dawro	-	-	-	-	-	-	-	-	-	-
Basketo Sp. Wereda	-	-	-	-	-	-	-	-	-	-
Konta Sp. Wereda	-	-	-	-	-	-	-	-	-	-
Silte	-	-	-	-	-	-	-	-	-	-
Alaba Sp. Wereda	-	-	-	-	-	-	-	-	-	-
Segen People	-	-	-	-	-	-	-	-	-	-
<b>Gambela Region</b>	-	-	-	-	-	-	-	-	-	-
Angnuwak	-	-	-	-	-	-	-	-	-	-
Nuware	-	-	-	-	-	-	-	-	-	-
Mezhenger	-	-	-	-	-	-	-	-	-	-
Itang Special	-	-	-	-	-	-	-	-	-	-
<b>Harari</b>	*	-	-	*	-	*	-	*	*	*
Hundene	*	-	-	*	-	*	-	*	*	*
<b>Dire Dawa</b>	4,475	2,066	*	-	-	-	525	-	746	950

TABLE 3-14: NUMBER OF CATTLE BY SEX, BREED, ZONE, AND REGION

Geographic Area	Total	MALE			FEMALE		
		Indigenous	Hybrid	Exotic	Indigenous	Hybrid	Exotic
<b>Ethiopia</b>	55,027,280	24,294,557	234,654	26,359	30,020,562	400,161	50,987
<b>Tigray</b>	4,298,023	2,058,298	18,716	4,039	2,168,948	37,153	10,869
North West Tigray	1,634,498	757,539	*	-	868,570	*	*
Central Tigray	774,747	417,577	2,582	*	345,094	5,658	2,645
Eastern Tigray	438,750	211,957	12,094	*	190,613	20,149	2,829
Southern Tigray	721,747	368,167	1,486	*	340,973	5,373	*
Western Tigray	728,281	303,057	*	-	423,698	*	*
<b>Afar</b>	1,359,908	300,709	-	-	1,058,605	*	-
Zone 1	871,934	181,028	-	-	690,906	-	-
Zone 3	487,975	119,681	-	-	367,699	*	-
<b>Amhara</b>	14,225,988	7,190,135	61,406	7,419	6,861,816	94,555	10,658
North Gondar	3,002,290	1,388,559	*	*	1,595,237	*	*
South Gondar	1,658,330	835,549	4,740	*	810,499	6,119	*
North Wolo	855,925	431,453	*	*	420,998	*	-
South Wolo	1,622,359	821,032	19,738	*	740,874	29,887	*
North Shewa	1,346,314	781,305	19,232	*	514,367	30,700	-
East Gojam	1,852,518	983,614	*	-	854,615	*	*
West Gojam	2,225,294	1,187,930	*	*	1,033,325	*	*
Waghamera	337,969	165,016	*	-	172,787	-	-
Awi	1,007,707	445,652	*	*	551,852	*	*
Oromia	295,435	139,429	-	-	156,006	-	-
Argoba Special	21,848	10,593	-	-	11,255	-	-
<b>Oromia</b>	22,505,219	10,177,016	129,729	13,065	11,973,771	191,577	20,060
West Wellega	997,488	442,858	*	-	554,214	*	-
East Wellega	930,682	419,674	-	-	511,008	-	-
Illubabor	1,111,090	498,291	*	-	612,464	*	-
Jimma	2,193,372	1,047,928	*	-	1,143,569	*	-
West Shewa	2,028,953	1,016,966	*	*	1,009,355	*	*
North Shewa	1,515,649	706,466	47,974	*	690,086	62,588	*
East Shewa	1,116,744	620,952	1,700	*	490,359	3,006	*
Arsi	2,454,324	1,201,065	42,160	5,208	1,147,735	52,864	5,291
West Harerghe	990,251	463,390	*	-	526,640	-	-
East Harerghe	1,052,066	391,657	*	*	642,063	*	*
Bale	1,559,786	688,526	*	-	861,381	6,272	-
Borena	1,026,753	315,873	-	-	710,881	-	-
South West Shewa	1,109,216	603,645	*	-	502,684	*	*
Guji	1,348,774	468,766	-	-	879,477	*	-
West Arsi	1,900,808	711,779	28,712	*	1,102,262	47,925	*
Kelem Wellega	513,905	257,463	-	-	256,250	*	-
Horoguduru Wellega	655,357	321,716	-	-	333,342	*	-

TABLE 3-14 CONT'D

Geographic Area	Total	MALE			FEMALE		
		Indigenous	Hybrid	Exotic	Indigenous	Hybrid	Exotic
<b>Somale</b>	610,898	202,049	-	-	408,848	-	-
Shinele	14,451	4,816	-	-	9,635	-	-
Jijiga	368,374	124,450	-	-	243,924	-	-
Liben	228,073	72,783	-	-	155,290	-	-
<b>Benshangul-Gumuz</b>	604,563	241,938	*	*	361,902	-	*
Metekel	485,606	189,551	*	*	295,451	-	*
Asosa	72,641	32,176	-	-	40,465	-	-
Kemeshi	36,334	15,806	*	-	20,432	-	-
Mao Komo	9,982	4,405	*	-	5,554	-	-
<b>SNNP</b>	11,044,147	4,007,963	24,415	1,510	6,926,706	75,229	8,323
Gurage	933,052	306,570	*	-	624,972	*	-
Hadiya	817,958	327,222	3,949	*	475,057	11,172	-
Kembata Tembaro	354,858	110,406	8,134	*	194,178	34,401	6,823
Sidama	2,106,837	479,903	*	-	1,592,364	23,211	*
Gedio	108,021	59,811	-	-	48,210	-	-
Wolayita	778,373	289,001	*	-	485,538	*	-
South Omo	1,581,893	569,359	-	-	1,012,534	-	-
Shaka	137,517	54,101	-	-	83,415	-	-
Kaffa	926,881	391,955	*	-	533,134	*	-
Gamo Gofa	1,313,492	535,245	-	-	777,922	*	-
Bench Maji	321,980	134,634	-	-	187,346	-	-
Yem Sp. Wereda	68,913	33,854	*	-	34,881	*	*
Dawro	301,297	116,424	*	-	184,808	-	-
Basketo Sp. Wereda	48,531	21,679	*	*	26,533	216	*
Konta Sp. Wereda	101,763	46,268	-	-	55,403	*	*
Silte	566,870	244,958	*	-	321,227	*	*
Alaba Sp. Wereda	166,772	75,255	*	-	91,361	*	-
Segen People	409,140	211,316	-	-	197,824	-	-
<b>Gambela Region</b>	276,246	79,508	-	-	196,709	*	-
Angnuwak	27,488	17,523	-	-	9,965	-	-
Nuware	212,786	52,073	-	-	160,712	-	-
Mezhenger	20,980	6,095	-	-	14,855	*	-
Itang Special	14,993	3,816	-	-	11,176	-	-
<b>Harari</b>	57,258	20,209	*	*	35,327	*	*
Hundene	57,258	20,209	*	*	35,327	*	*
<b>Dire Dawa</b>	45,030	16,733	-	-	27,929	*	*

TABLE 3-15 NUMBERS OF SHEEP BY SEX, BREED, ZONE, AND REGION

Geographic Area	Total	MALE			FEMALE		
		Indigenous	Hybrid	Exotic	Indigenous	Hybrid	Exotic
<b>Ethiopia</b>	27,347,933	7,443,603	12,908	*	19,874,154	11,209	1,860
<b>Tigray</b>	1,481,963	377,872	*	-	1,103,348	-	*
North West Tigray	138,540	36,904	*	-	101,073	-	-
Central Tigray	322,758	84,316	-	-	238,442	-	-
Eastern Tigray	599,026	148,233	-	-	450,793	-	-
Southern Tigray	339,156	89,739	-	-	249,236	-	*
Western Tigray	82,484	18,679	-	-	63,805	-	-
<b>Afar</b>	1,474,618	350,886	-	-	1,123,733	-	-
Zone 1	789,886	200,877	-	-	589,009	-	-
Zone 3	684,732	150,009	-	-	534,724	-	-
<b>Amhara</b>	8,518,066	2,255,567	10,221	*	6,241,674	5,815	*
North Gondar	932,819	236,770	*	-	695,597	-	-
South Gondar	738,146	174,326	-	-	563,820	-	-
North Wolo	682,260	173,702	*	*	505,571	*	-
South Wolo	1,660,126	515,806	7,327	*	1,129,022	4,435	*
North Shewa	1,487,744	427,244	*	*	1,058,548	-	-
East Gojam	1,191,631	253,627	-	-	938,004	-	-
West Gojam	1,091,834	279,591	-	-	812,243	-	-
Waghamera	145,380	38,416	-	-	106,963	-	-
Awi	464,722	113,591	-	-	351,131	-	-
Oromia	115,178	40,616	-	-	74,426	*	-
Argoba Special	8,226	1,878	-	-	6,348	-	-
<b>Oromia</b>	9,493,622	2,571,620	*	-	6,917,736	*	*
West Wellega	323,763	87,816	-	-	235,947	-	-
East Wellega	235,980	70,018	-	-	165,961	-	-
Illubabor	410,986	108,147	-	-	302,839	-	-
Jimma	836,596	211,649	-	-	624,947	-	-
West Shewa	936,539	237,207	-	-	699,332	-	-
North Shewa	1,121,550	272,017	*	-	847,056	*	-
East Shewa	352,682	96,119	*	-	255,403	*	*
Arsi	1,579,695	444,055	-	-	1,135,294	*	-
West Harerghe	185,625	41,820	-	-	143,804	-	-
East Harerghe	455,813	139,960	-	-	315,853	-	-
Bale	400,381	135,355	-	-	265,026	-	-
Borena	352,322	96,124	-	-	256,198	-	-
South West Shewa	421,739	129,691	-	-	292,048	-	-
Guji	507,570	145,197	-	-	362,091	-	*
West Arsi	882,364	220,546	-	-	661,818	-	-
Kelem Wellega	262,033	76,758	-	-	185,275	-	-
Horoguduru Wellega	227,985	59,141	-	-	168,844	-	-



TABLE 3-15 CONT'D

Geographic Area	Total	MALE			FEMALE		
		Indigenous	Hybrid	Exotic	Indigenous	Hybrid	Exotic
<b>Somale</b>	1,420,767	462,460	-	-	958,307	-	-
Shinele	49,020	13,819	-	-	35,201	-	-
Jijiga	996,708	331,276	-	-	665,432	-	-
Liben	375,040	117,365	-	-	257,674	-	-
<b>Benshangul-Gumuz</b>	83,825	24,279	-	-	59,546	-	-
Metekel	48,056	12,875	-	-	35,181	-	-
Asosa	17,151	5,555	-	-	11,597	-	-
Kemeshi	9,920	3,373	-	-	6,547	-	-
Mao Komo	8,697	2,476	-	-	6,221	-	-
<b>SNNP</b>	4,748,676	1,364,820	*	-	3,379,514	*	*
Gurage	334,204	93,036	-	-	241,167	-	-
Hadiya	246,571	61,340	-	-	185,231	-	-
Kembata Tembaro	112,978	41,069	-	-	71,909	-	-
Sidama	436,491	104,844	-	-	331,648	-	-
Gedio	175,888	53,980	-	-	121,909	-	-
Wolayita	204,555	56,032	-	-	148,524	-	-
South Omo	1,391,330	469,910	-	-	921,419	-	-
Shaka	66,844	16,988	-	-	49,856	-	-
Kaffa	437,879	100,843	-	-	337,036	-	-
Gamo Gofa	521,989	138,447	*	-	382,963	-	*
Bench Maji	124,093	33,364	-	-	90,729	-	-
Yem Sp. Wereda	27,621	5,844	-	-	21,777	-	-
Dawro	93,449	28,392	-	-	65,057	-	-
Basketo Sp. Wereda	22,482	4,835	-	-	17,648	-	-
Konta Sp. Wereda	22,145	9,544	-	-	12,555	*	-
Silte	311,858	81,134	*	-	227,006	*	-
Alaba Sp. Wereda	54,205	13,142	-	-	41,063	-	-
Segen People	164,094	52,076	-	-	112,017	-	-
<b>Gambela Region</b>	45,428	14,887	-	-	30,542	-	-
Angnuwak	*	*	-	-	*	-	-
Nuware	34,278	10,293	-	-	23,986	-	-
Mezhenger	5,915	2,752	-	-	3,163	-	-
Itang Special	2,968	*	-	-	2,120	-	-
<b>Harari</b>	8,401	2,065	-	-	6,337	-	-
Hundene	8,401	2,065	-	-	6,337	-	-
<b>Dire Dawa</b>	72,565	19,148	-	-	53,417	-	-

TABLE 3-16: NUMBER OF GOATS BY SEX, BREED, ZONE, AND REGION

Geographic Area	Total	MALE			FEMALE		
		Indigenous	Hybrid	Exotic	Indigenous	Hybrid	Exotic
<b>Ethiopia</b>	28,163,332	8,170,627	*	*	19,989,014	1,131	*
<b>Tigray</b>	4,000,252	1,060,747	*	-	2,938,666	-	*
North West Tigray	1,780,868	453,461	-	-	1,327,407	-	-
Central Tigray	1,049,114	302,620	*	-	746,279	-	-
Eastern Tigray	216,564	55,523	-	-	161,041	-	-
Southern Tigray	443,124	111,144	-	-	331,981	-	-
Western Tigray	510,582	138,000	-	-	371,959	-	*
<b>Afar</b>	2,984,271	648,742	-	*	2,334,139	-	*
Zone 1	1,901,791	423,344	-	-	1,478,448	-	-
Zone 3	1,082,479	225,399	-	*	855,692	-	*
<b>Amhara</b>	5,291,571	1,690,344	*	-	3,600,565	*	-
North Gondar	1,386,767	404,678	-	-	982,090	-	-
South Gondar	434,230	131,558	-	-	302,672	-	-
North Wolo	489,691	148,092	-	-	341,599	-	-
South Wolo	697,187	254,011	*	-	442,514	*	-
North Shewa	735,978	290,128	-	-	445,850	-	-
East Gojam	479,160	137,346	-	-	341,814	-	-
West Gojam	315,142	104,989	-	-	210,153	-	-
Waghamera	405,085	106,425	-	-	298,661	-	-
Awi	142,612	50,738	-	-	91,875	-	-
Oromia	183,723	54,899	-	-	128,824	-	-
Argoba Special	21,994	7,481	-	-	14,514	-	-
<b>Oromia</b>	8,151,014	2,352,363	-	-	5,798,651	-	-
West Wellega	160,175	47,347	-	-	112,828	-	-
East Wellega	135,215	46,323	-	-	88,892	-	-
Illubabor	240,756	62,658	-	-	178,097	-	-
Jimma	439,193	113,025	-	-	326,169	-	-
West Shewa	453,167	141,433	-	-	311,735	-	-
North Shewa	253,728	82,307	-	-	171,421	-	-
East Shewa	579,382	164,297	-	-	415,085	-	-
Arsi	777,159	234,672	-	-	542,487	-	-
West Harerghe	905,369	238,282	-	-	667,087	-	-
East Harerghe	997,746	310,743	-	-	687,003	-	-
Bale	743,590	214,800	-	-	528,791	-	-
Borena	957,688	257,339	-	-	700,349	-	-
South West Shewa	351,697	111,012	-	-	240,686	-	-
Guji	471,623	136,207	-	-	335,415	-	-
West Arsi	375,520	96,933	-	-	278,587	-	-
Kelem Wellega	142,352	41,516	-	-	100,836	-	-
Horoguduru Wellega	166,654	53,469	-	-	113,185	-	-

TABLE 3-16 CONT'D

Geographic Area	Total	MALE			FEMALE		
		Indigenous	Hybrid	Exotic	Indigenous	Hybrid	Exotic
<b>Somale</b>	2,033,165	634,122	-	-	1,399,043	-	-
Shinele	143,425	34,540	-	-	108,886	-	-
Jijiga	916,193	325,860	-	-	590,333	-	-
Liben	973,547	273,723	-	-	699,824	-	-
<b>Benshangul-Gumuz</b>	417,424	118,407	-	-	299,017	-	-
Metekel	189,617	53,520	-	-	136,096	-	-
Asosa	153,386	42,172	-	-	111,214	-	-
Kemeshi	57,645	18,112	-	-	39,532	-	-
Mao Komo	16,776	4,602	-	-	12,174	-	-
<b>SNNP</b>	4,953,588	1,575,168	-	-	3,377,620	*	-
Gurage	138,175	46,906	-	-	91,269	-	-
Hadiya	168,801	47,539	-	-	121,262	-	-
Kembata Tembaro	53,222	13,656	-	-	38,765	*	-
Sidama	265,376	80,268	-	-	185,108	-	-
Gedio	11,647	3,132	-	-	8,515	-	-
Wolayita	130,840	35,590	-	-	95,249	-	-
South Omo	2,843,777	948,805	-	-	1,894,973	-	-
Shaka	18,341	5,045	-	-	13,296	-	-
Kaffa	256,817	69,669	-	-	187,148	-	-
Gamo Gofa	310,697	89,466	-	-	221,231	-	-
Bench Maji	75,719	22,183	-	-	53,535	-	-
Yem Sp. Wereda	34,303	8,140	-	-	26,163	-	-
Dawro	60,624	21,067	-	-	39,556	-	-
Basketo Sp. Wereda	11,702	3,482	-	-	8,220	-	-
Konta Sp. Wereda	15,490	4,830	-	-	10,660	-	-
Silte	192,692	60,398	-	-	132,294	-	-
Alaba Sp. Wereda	61,910	17,460	-	-	44,450	-	-
Segen People	303,456	97,530	-	-	205,926	-	-
<b>Gambela Region</b>	89,860	25,059	-	-	64,802	-	-
Angnuwak	26,628	7,889	-	-	18,739	-	-
Nuware	56,478	15,176	-	-	41,302	-	-
Mezhenger	2,917	1,223	-	-	1,694	-	-
Itang Special	3,837	770	-	-	3,067	-	-
<b>Harari</b>	58,432	17,311	-	-	41,121	-	-
Hundene	58,432	17,311	-	-	41,121	-	-
<b>Dire Dawa</b>	183,755	48,364	-	-	135,390	-	-

TABLE 3-17: POULTRY INVENTORY BY TYPE, ZONE, AND REGION

## a. All

Geographic Area	Total Poultry	Cocks	Cockerels	Pullets	Non-Laying Hens	Chicks	Laying Hens
<b>Ethiopia</b>	51,350,738	5,260,659	2,716,252	5,046,372	1,547,799	19,668,096	17,111,560
<b>Tigray</b>	5,287,790	489,610	396,111	679,603	250,219	1,907,218	1,565,029
North West Tigray	1,656,863	133,915	173,062	229,176	79,854	633,817	407,039
Central Tigray	1,377,514	134,981	73,039	165,810	64,861	511,581	427,241
Eastern Tigray	856,314	85,400	50,755	98,646	37,829	260,779	322,905
Southern Tigray	779,626	86,190	50,242	99,933	40,002	246,011	257,248
Western Tigray	617,473	49,124	49,014	86,037	27,673	255,030	150,596
<b>Afar</b>	124,489	8,735	7,215	13,699	9,727	47,278	37,836
Zone 1	*	*	*	*	*	*	*
Zone 3	105,110	6,907	5,945	12,031	7,393	41,341	31,493
<b>Amhara</b>	14,524,806	1,293,921	703,580	1,387,676	387,659	5,981,024	4,770,945
North Gonder	4,006,511	264,880	264,352	427,429	97,255	2,043,049	909,547
South Gonder	1,511,497	113,036	65,054	161,543	31,395	594,940	545,529
North Wolo	959,012	179,945	43,813	84,766	33,954	325,659	290,876
South Wolo	1,642,545	261,253	53,718	119,045	73,729	502,342	632,458
North Shewa	1,506,466	144,297	56,372	109,550	51,097	483,304	661,846
East Gojam	1,147,268	95,372	47,291	112,304	18,910	320,180	553,213
West Gojam	2,314,008	116,890	99,634	221,022	56,234	1,104,448	715,780
Waghamera	345,931	34,102	15,717	34,884	10,026	147,367	103,836
Awi	787,193	48,719	46,117	88,262	7,105	317,257	279,733
Oromia	274,775	30,988	10,426	26,377	6,881	129,044	71,059
Argoba Special	29,599	4,440	1,087	2,495	1,075	13,434	7,068
<b>Oromia</b>	19,313,874	2,207,650	974,262	1,809,784	626,388	6,788,323	6,907,467
West Wellega	1,306,425	148,288	88,341	136,482	23,657	519,920	389,736
East Wellega	736,147	86,270	37,436	81,187	9,698	304,637	216,919
Illubabor	979,989	130,765	34,638	85,104	32,206	342,623	354,652
Jimma	1,562,687	167,337	32,293	104,296	33,170	621,446	604,145
West Shewa	1,558,248	173,072	44,480	88,853	83,412	603,910	564,520
North Shewa	903,137	112,402	15,553	41,879	43,635	206,365	483,301
East Shewa	1,439,821	131,406	87,765	148,214	66,555	509,499	496,381
Arsi	2,188,076	254,819	129,085	218,814	101,456	652,077	831,824
West Harerghe	1,427,679	164,074	93,388	191,961	20,494	534,571	423,192
East Harerghe	1,546,228	190,812	93,961	166,650	37,106	452,333	605,366
Bale	742,911	101,104	52,142	78,324	34,966	220,069	256,305
Borena	640,742	72,496	28,073	61,474	8,708	270,506	199,484
South West Shewa	992,808	91,653	29,974	59,657	30,332	389,804	391,387
Guji	826,231	115,272	48,060	76,171	35,335	293,167	258,227
West Arsi	1,069,306	107,093	76,687	116,208	27,496	329,908	411,914
Kelem Wellega	950,864	108,669	59,288	109,117	33,887	357,906	281,997
Horoguduru Wellega	442,576	52,117	23,098	45,390	4,273	179,582	138,116

TABLE 3-17 – a CONT'D

Geographic Area	Total Poultry	Cocks	Cockerels	Pullets	Non-Laying Hens	Chicks	Laying Hens
<b>Somale</b>	196,396	29,404	10,471	17,606	8,329	67,908	62,679
Shinele	4,935	914	318	433	480	1,001	1,788
Jijiga	*	*	*	*	*	*	*
Liben	170,459	24,539	8,840	15,917	7,325	61,594	52,245
<b>Benshangul-Gumuz</b>	1,041,557	100,976	73,728	123,442	24,725	490,259	228,428
Metekel	430,745	40,107	25,904	41,483	11,282	217,996	93,973
Asosa	439,838	44,870	35,908	58,986	10,569	189,838	99,667
Kemeshi	120,806	11,240	9,005	16,326	1,879	59,035	23,320
Mao Komo	50,169	4,758	2,911	6,647	995	23,390	11,467
<b>SNNP</b>	10,353,805	1,066,436	512,046	949,614	230,255	4,207,117	3,388,335
Gurage	689,023	74,008	29,352	46,897	26,885	258,231	253,650
Hadiya	1,020,107	64,139	27,246	72,942	11,695	557,477	286,609
Kembata Tembaro	373,446	23,698	6,410	24,627	*	181,743	133,890
Sidama	1,636,835	128,855	53,805	169,879	36,443	651,869	595,983
Gedio	187,960	22,202	7,164	22,454	5,220	52,242	78,677
Wolayita	960,886	72,704	67,163	87,298	17,635	440,348	275,740
South Omo	1,058,382	161,478	90,607	119,356	35,054	336,558	315,329
Shaka	175,202	14,256	9,184	14,848	1,166	67,460	68,289
Kaffa	942,291	129,311	59,760	89,663	11,087	324,690	327,780
Gamo Gofa	1,025,385	112,290	52,790	98,750	21,589	379,787	360,179
Bench Maji	543,884	63,960	35,073	48,874	8,511	244,656	142,810
Yem Sp. Wereda	42,583	3,767	1,366	3,072	1,083	12,787	20,508
Dawro	188,542	24,933	8,516	14,858	12,722	65,750	61,763
Basketo Sp. Wereda	70,802	8,783	3,756	7,782	3,310	26,117	21,054
Konta Sp. Wereda	88,853	12,058	5,478	10,034	2,978	30,809	27,496
Silte	701,110	74,548	26,828	55,370	19,769	295,360	229,236
Alaba Sp. Wereda	224,351	18,623	7,023	14,544	*	118,767	59,841
Segen People	424,163	56,824	20,525	48,369	6,477	162,466	129,502
<b>Gambela Region</b>	344,043	40,992	30,283	42,495	6,783	136,362	87,127
Angnuwak	157,350	17,482	14,201	23,559	*	65,928	35,203
Nuware	97,101	12,260	9,569	9,800	4,224	38,465	22,783
Mezhenger	49,910	5,909	1,937	4,000	915	17,028	20,120
Itang Special	39,681	5,341	4,575	5,136	*	14,942	9,022
<b>Harari</b>	71,697	9,244	4,207	7,773	1,344	24,101	25,027
Hundene	71,697	9,244	4,207	7,773	1,344	24,101	25,027
<b>Dire Dawa</b>	92,283	13,690	4,350	14,680	2,370	18,507	38,686

## b. Indigenous Breeds

Geographic Area	Total Poultry	Cocks	Cockerels	Pullets	Non-Laying Hens	Chicks	Laying Hens
<b>Ethiopia</b>	49,723,605	5,074,441	2,644,079	4,859,337	1,489,807	19,236,420	16,419,521
<b>Tigray</b>	4,717,722	419,718	370,460	610,331	220,567	1,718,472	1,378,174
North West Tigray	1,572,282	124,309	169,249	216,343	77,484	604,185	380,712
Central Tigray	1,172,872	109,912	66,570	141,314	58,227	447,005	349,844
Eastern Tigray	697,950	68,446	42,322	82,896	31,431	193,235	279,620
Southern Tigray	678,041	71,205	44,103	86,090	26,536	228,348	221,760
Western Tigray	596,577	45,846	48,216	83,689	26,889	245,699	146,238
<b>Afar</b>	112,021	7,889	5,945	12,429	8,880	43,572	33,306
Zone 1	*	*	-	*	*	*	*
Zone 3	104,069	6,907	5,945	12,031	7,393	40,598	31,196
<b>Amhara</b>	14,085,095	1,257,421	685,505	1,343,127	376,733	5,856,640	4,565,669
North Gondar	3,918,004	258,255	262,685	420,290	97,255	1,997,368	882,151
South Gondar	1,486,802	113,036	64,675	156,522	30,114	594,940	527,515
North Wolo	940,184	175,879	42,656	83,893	33,217	323,719	280,821
South Wolo	1,597,269	257,614	52,613	116,432	70,090	493,109	607,410
North Shewa	1,457,072	138,429	54,452	104,817	49,218	470,146	640,010
East Gojam	1,066,041	89,400	45,211	106,162	17,448	298,782	509,038
West Gojam	2,236,608	112,089	93,267	211,913	54,684	1,077,826	686,829
Waghamera	335,681	33,211	14,525	33,323	10,026	144,826	99,770
Awi	753,816	45,662	44,134	82,900	6,726	315,932	258,463
Oromia	264,274	29,423	10,201	24,433	6,881	126,701	66,636
Argoba Special	29,346	4,422	1,087	2,441	1,075	13,293	7,028
<b>Oromia</b>	18,870,876	2,153,885	957,187	1,766,420	614,111	6,711,725	6,667,548
West Wellega	1,299,354	147,555	87,972	135,482	23,432	519,920	384,992
East Wellega	730,167	85,738	37,436	80,773	9,599	304,637	211,983
Illubabor	963,813	129,690	34,458	83,824	31,096	336,741	348,004
Jimma	1,543,147	166,162	32,293	103,907	33,170	612,863	594,753
West Shewa	1,512,336	165,057	44,100	86,089	81,606	592,337	543,146
North Shewa	848,539	106,016	15,553	38,721	41,516	199,184	447,549
East Shewa	1,370,149	122,895	83,870	142,659	65,819	497,760	457,146
Arsi	2,080,318	243,487	124,191	202,333	98,020	637,469	774,819
West Harerghe	1,409,380	162,447	91,840	191,077	20,494	533,465	410,057
East Harerghe	1,518,115	187,150	91,222	164,152	36,773	443,793	595,024
Bale	716,311	96,391	51,101	73,156	34,598	214,414	246,651
Borena	638,719	72,358	28,073	61,474	8,708	270,195	197,911
South West Shewa	981,621	90,320	29,478	58,681	29,844	389,804	383,494
Guji	823,209	114,784	48,060	75,912	35,335	293,167	255,953
West Arsi	1,053,986	104,254	75,516	113,674	26,942	329,908	403,692
Kelem Wellega	942,905	107,965	58,928	109,117	33,010	357,366	276,519
Horoguduru Wellega	438,808	51,615	23,098	45,390	4,147	178,703	135,855

TABLE 3-17 – b CONT'D

Geographic Area	Total Poultry	Cocks	Cockerels	Pullets	Non-Laying Hens	Chicks	Laying Hens
<b>Somale</b>	196,269	29,367	10,471	17,606	8,329	67,908	62,588
Shinele	4,808	878	318	433	480	1,001	1,697
Jijiga	*	*	*	*	*	*	*
Liben	170,459	24,539	8,840	15,917	7,325	61,594	52,245
<b>Benshangul-Gumuz</b>	1,035,959	100,541	73,728	122,898	24,620	489,270	224,902
Metekel	428,373	39,922	25,904	41,483	11,282	217,258	92,524
Asosa	436,883	44,733	35,908	58,479	10,464	189,628	97,671
Kemeshi	120,753	11,188	9,005	16,326	1,879	59,035	23,320
Mao Komo	49,951	4,698	2,911	6,610	995	23,349	11,388
<b>SNNP</b>	10,217,779	1,046,547	502,957	928,625	226,249	4,171,129	3,342,272
Gurage	663,966	71,617	25,236	42,350	25,789	255,940	243,034
Hadiya	1,012,834	63,033	26,989	72,398	11,194	556,267	282,954
Kembata Tembaro	363,499	22,045	6,019	22,502	2,569	179,708	130,657
Sidama	1,629,283	126,797	53,805	167,831	36,443	649,487	594,919
Gedio	185,192	20,777	7,164	22,258	5,220	52,242	77,530
Wolayita	955,276	71,270	67,163	85,475	17,635	439,876	273,857
South Omo	1,016,836	156,564	88,421	114,280	35,054	318,130	304,387
Shaka	173,604	14,256	8,766	14,504	1,166	66,984	67,929
Kaffa	938,617	128,529	59,523	89,215	11,087	324,690	325,573
Gamo Gofa	1,016,462	110,586	52,494	97,864	20,718	377,130	357,669
Bench Maji	542,130	63,628	34,945	48,459	8,511	244,656	141,932
Yem Sp. Wereda	41,148	3,669	1,165	2,869	1,022	12,578	19,844
Dawro	187,230	24,698	8,377	14,858	12,660	65,750	60,887
Basketo Sp. Wereda	70,378	8,620	3,756	7,738	3,254	26,117	20,893
Konta Sp. Wereda	88,459	11,910	5,478	10,034	2,885	30,809	27,344
Silte	691,937	74,064	26,660	54,553	19,397	292,128	225,135
Alaba Sp. Wereda	223,108	18,448	7,023	14,317	*	118,239	59,527
Segen People	417,818	56,036	19,973	47,119	6,092	160,397	128,202
<b>Gambela Region</b>	342,419	40,902	30,220	42,458	6,756	135,984	86,098
Angnuwak	155,918	17,392	14,138	23,521	*	65,550	34,365
Nuware	97,101	12,260	9,569	9,800	4,224	38,465	22,783
Mezhenger	49,719	5,909	1,937	4,000	915	17,028	19,928
Itang Special	39,681	5,341	4,575	5,136	*	14,942	9,022
<b>Harari</b>	71,191	9,205	4,207	7,638	1,344	24,101	24,696
Hundene	71,191	9,205	4,207	7,638	1,344	24,101	24,696
<b>Dire Dawa</b>	74,273	8,967	3,399	7,805	2,218	17,618	34,266

### c. Hybrid

Geographic Area	Total Poultry	Cocks	Cockerels	Pullets	Non-Laying Hens	Chicks	Laying Hens
<b>Ethiopia</b>	1,215,324	131,636	57,954	129,647	42,816	354,083	499,186
<b>Tigray</b>	371,171	42,119	21,874	45,866	-	127,879	111,279
North West Tigray	75,615	7,829	-	12,543	*	29,314	20,342
Central Tigray	143,721	15,127	6,469	17,981	4,170	48,563	51,410
Eastern Tigray	78,820	11,913	5,879	6,675	3,788	30,294	20,271
Southern Tigray	56,425	5,231	5,127	6,425	*	11,407	16,597
Western Tigray	16,591	2,019	*	2,242	-	8,302	-
<b>Afar</b>	*	*	*	*	*	*	*
Zone 1	*	*	*	*	*	*	*
Zone 3	*	-	-	-	-	-	*
<b>Amhara</b>	368,374	27,981	13,821	34,797	8,612	120,876	162,287
North Gondar	88,055	6,625	-	7,139	-	45,681	26,944
South Gondar	19,135	-	-	*	*	-	15,130
North Wolo	12,330	1,035	-	*	-	-	7,034
South Wolo	27,437	*	*	*	*	*	13,478
North Shewa	35,593	3,620	*	2,839	*	*	15,820
East Gojam	74,329	5,972	*	6,141	*	21,398	39,130
West Gojam	73,834	*	*	9,109	-	26,622	26,453
Waghamera	9,442	779	*	*	-	-	3,836
Awı	21,484	2,137	*	*	-	-	12,060
Oromia	6,512	1,361	-	*	-	*	2,384
Argoba Special	*	-	-	*	-	-	*
<b>Oromia</b>	362,322	46,056	15,104	33,297	8,679	74,411	184,776
West Wellega	5,512	*	-	-	-	-	3,551
East Wellega	4,361	-	-	*	-	-	3,730
Illubabor	12,310	*	-	*	*	-	3,954
Jimma	14,016	*	-	*	-	-	4,668
West Shewa	36,589	5,097	*	*	*	-	18,317
North Shewa	49,421	6,386	-	*	2,120	-	30,854
East Shewa	63,891	8,511	3,895	-	*	11,739	33,972
Arsi	84,586	9,382	*	11,090	-	14,608	41,521
West Harerghe	*	*	-	-	-	-	*
East Harerghe	-	-	*	-	*	*	4,592
Bale	-	*	-	*	*	-	-
Borena	*	-	-	-	-	-	*
South West Shewa	7,093	-	*	*	*	-	5,264
Guji	*	-	-	-	-	-	*
West Arsi	*	-	-	-	*	-	*
Kelem Wellega	7,288	-	-	-	*	-	5,142
Horoguduru Wellega	3,578	501	-	-	-	-	2,071



TABLE 3 -17 – c CONT'D

Geographic Area	Total Poultry	Cocks	Cockerels	Pullets	Non-Laying Hens	Chicks	Laying Hens
<b>Somale</b>	-	-	-	-	-	-	-
Shinele	-	-	-	-	-	-	-
Jijiga	-	-	-	-	-	-	-
Liben	-	-	-	-	-	-	-
<b>Benshangul-Gumuz</b>	*	*	-	*	*	-	592
Metekel	-	*	-	-	-	-	-
Asosa	*	*	-	*	*	-	*
Kemeshi	-	-	-	-	-	-	-
Mao Komo	*	*	-	*	-	-	-
<b>SNNP</b>	105,458	14,654	7,091	15,286	3,371	28,254	36,801
Gurage	17,649	*	*	*	*	-	6,086
Hadiya	6,439	*	-	-	-	-	3,130
Kembata Tembaro	3,909	*	*	*	-	*	1,872
Sidama	7,552	-	-	-	-	-	-
Gedio	*	*	-	-	-	-	1,147
Wolayita	5,127	*	-	*	-	-	-
South Omo	*	*	*	*	-	*	*
Shaka	*	-	*	*	-	-	*
Kaffa	*	-	*	*	-	-	*
Gamo Gofa	*	*	-	-	-	-	*
Bench Maji	*	-	-	-	-	-	*
Yem Sp. Wereda	1,052	-	*	*	-	-	516
Dawro	919	*	-	-	-	-	565
Basketo Sp. Wereda	-	*	-	*	-	-	*
Konta Sp. Wereda	-	-	-	-	-	-	-
Silte	8,063	*	-	*	-	-	3,621
Alaba Sp. Wereda	-	-	-	-	-	-	-
Segen People	-	-	-	-	-	-	-
<b>Gambela Region</b>	1,277	*	-	-	*	-	*
Angnuwak	*	*	-	-	*	-	*
Nuware	-	-	-	-	-	-	-
Mezhenger	133	-	-	-	-	-	133
Itang Special	-	-	-	-	-	-	-
<b>Harari</b>	*	-	-	*	-	-	*
Hundene	*	-	-	*	-	-	*
<b>Dire Dawa</b>	3,594	513	*	346	-	*	2,181

#### d. Exotic Breeds

Geographic Area	Total Poultry	Cocks	Cockerels	Pullets	Non-Laying Hens	Chicks	Laying Hens
<b>Ethiopia</b>	411,809	54,582	14,218	57,388	15,175	77,593	192,853
<b>Tigray</b>	198,897	27,773	3,777	23,406	7,498	60,866	75,577
North West Tigray	-	-	*	-	*	-	-
Central Tigray	60,921	9,941	-	-	2,464	-	25,988
Eastern Tigray	79,544	5,041	-	9,075	-	-	23,015
Southern Tigray	45,160	9,754	-	7,419	*	-	18,891
Western Tigray	4,305	1,260	*	-	*	-	1,699
<b>Afar</b>	*	-	-	-	-	*	*
Zone 1	-	-	-	-	-	-	-
Zone 3	*	-	-	-	-	*	*
<b>Amhara</b>	71,337	8,520	4,253	9,753	2,314	-	42,989
North Gondar	-	-	*	-	-	-	-
South Gondar	5,560	-	*	*	*	-	2,884
North Wolo	6,498	-	*	*	*	*	-
South Wolo	17,839	*	-	*	*	*	11,570
North Shewa	-	-	*	-	*	*	6,016
East Gojam	-	-	*	-	*	-	5,045
West Gojam	-	*	*	-	*	-	-
Waghamera	808	-	*	*	-	*	-
Awi	-	-	*	*	*	*	-
Oromia	-	-	*	*	-	*	-
Argoba Special	*	*	-	*	-	*	*
<b>Oromia</b>	80,676	7,710	-	10,067	3,599	-	55,144
West Wellega	-	*	*	*	*	-	-
East Wellega	-	*	-	-	*	-	-
Illubabor	3,866	*	*	*	*	*	2,695
Jimma	5,523	*	-	-	-	*	-
West Shewa	9,323	-	-	*	*	*	3,056
North Shewa	5,177	-	-	*	-	*	4,899
East Shewa	5,781	-	-	*	*	-	5,263
Arsi	23,172	1,950	*	-	*	-	-
West Harerghe	*	*	*	*	-	*	*
East Harerghe	10,618	1,348	*	*	-	*	-
Bale	2,836	*	*	*	*	*	1,909
Borena	*	*	-	-	-	*	*
South West Shewa	4,094	*	*	-	*	-	-
Guji	*	*	-	*	-	-	*
West Arsi	*	*	*	*	*	-	*
Kelem Wellega	-	*	*	-	*	*	-
Horoguduru Wellega	-	-	-	-	*	*	-

TABLE 3 -17 – d CONT'D

Geographic Area	Total Poultry	Cocks	Cockerels	Pullets	Non-Laying Hens	Chicks	Laying Hens
<b>Somale</b>	*	*	-	-	-	-	*
Shinele	*	*	-	-	-	-	*
Jijiga	-	-	-	-	-	-	-
Liben	-	-	-	-	-	-	-
<b>Benshangul-Gumuz</b>	*	*	-	*	-	*	2,933
Metekel	1,176	*	-	-	-	*	1,073
Asosa	*	-	-	-	-	*	*
Kemeshi	*	*	-	-	-	-	-
Mao Komo	*	*	-	*	-	*	*
<b>SNNP</b>	30,567	5,236	1,998	5,704	-	-	9,262
Gurage	-	*	*	*	*	*	-
Hadiya	-	*	*	*	*	*	-
Kembata Tembaro	-	*	-	-	*	*	-
Sidama	-	*	-	*	-	*	*
Gedio	*	*	-	*	-	-	-
Wolayita	-	*	-	*	-	*	*
South Omo	*	*	*	*	-	*	*
Shaka	*	-	*	-	-	*	*
Kaffa	*	*	-	*	-	-	*
Gamo Gofa	*	*	*	*	*	*	*
Bench Maji	*	*	*	*	-	-	*
Yem Sp. Wereda	-	*	*	*	*	*	-
Dawro	-	*	*	-	*	-	-
Basketo Sp. Wereda	187	*	-	-	*	-	*
Konta Sp. Wereda	*	*	-	-	*	-	*
Silte	-	*	*	*	*	*	-
Alaba Sp. Wereda	*	*	-	*	-	*	*
Segen People	*	*	*	*	*	*	*
<b>Gambela Region</b>	-	*	*	*	-	*	*
Angnuwak	*	*	*	*	-	*	*
Nuware	-	-	-	-	-	-	-
Mezhenger	-	-	-	-	-	-	-
Itang Special	-	-	-	-	-	-	-
<b>Harari</b>	*	*	-	-	-	-	*
Hundene	*	*	-	-	-	-	*
<b>Dire Dawa</b>	-	-	-	-	152	*	2,239

TABLE 3-18: BEEHIVE INVENTORY AND PRODUCTION OF HONEY BY TYPE, ZONE, AND REGION

Geographic Area	All Beehives		Traditional Beehives			Intermediate Beehives			Modern Beehives		
	Number of hives	Total annual honey production	Number of hives	Avg. frequency of production	Total annual honey production	Number of hives	Avg. frequency of production	Total annual honey production	Number of hives	Avg. frequency of production	Total annual honey production
<b>Ethiopia</b>	5,052,297	43,801,680	4,768,103	1.6	39,831,763	47,749	1.44	612,758	236,446	1.56	3,357,159
<b>Tigray</b>	253,406	3,562,078	187,384	1.48	2,237,896	3,280	1.79	49,776	62,742	1.58	1,274,406
North West Tigray	57,274	1,104,576	42,407	1.52	672,689	-	-	-	14,867	1.58	431,887
Central Tigray	69,406	930,411	56,830	1.27	755,738	*	*	*	11,009	1.36	153,261
Eastern Tigray	58,097	721,430	35,037	1.63	254,858	*	*	*	21,542	1.59	442,111
Southern Tigray	50,101	564,648	38,147	1.44	408,901	-	-	-	*	1.47	*
Western Tigray	18,529	241,013	14,963	1.85	145,711	*	*	*	3,371	2.45	91,400
<b>Afar</b>	-	-	-	-	-	-	-	-	-	-	-
Zone 1	-	-	-	-	-	-	-	-	-	-	-
Zone 3	-	-	-	-	-	-	-	-	-	-	-
<b>Amhara</b>	1,044,372	11,539,933	995,395	1.6	10,739,910	8,996	1.4	219,398	39,980	1.33	580,626
North Gonder	253,741	4,230,708	249,655	1.7	4,175,936	-	-	-	4,086	*	54,772
South Gonder	136,305	1,447,900	126,836	1.47	1,343,492	2,949	*	*	6,520	1.14	73,812
North Wolo	50,245	302,383	43,010	1.37	241,087	-	-	-	*	1.33	*
South Wolo	119,492	895,980	113,282	1.45	774,389	*	*	*	3,580	*	*
North Shewa	62,248	360,463	59,527	1.47	337,016	*	*	*	*	*	*
East Gojam	126,279	1,242,503	122,745	1.56	1,146,524	*	*	*	*	*	*
West Gojam	154,377	1,263,213	152,373	1.81	1,237,548	-	-	-	*	1	*
Waghamera	50,439	672,955	43,258	1.75	572,840	*	*	*	6,507	1.35	83,766
Awi	83,949	1,077,660	78,653	1.64	877,011	*	*	*	*	1.61	*
Oromia	6,824	42,315	5,594	1.45	30,344	*	*	*	*	*	*
Argoba Special	472	3,853	462	1.61	3,723	-	-	-	*	*	*
<b>Oromia</b>	2,586,627	16,437,020	2,438,454	1.52	14,746,988	21,279	1.39	251,648	*	1.71	1,438,385
West Wellega	314,470	1,413,197	310,493	1.23	1,379,868	*	1	*	*	*	*
East Wellega	182,507	603,482	182,250	1.26	600,398	-	-	-	*	*	*
Illubabor	354,122	2,282,142	346,688	1.33	1,852,868	2,664	*	35,973	4,769	1.78	*
Jimma	562,670	3,343,322	441,461	1.48	2,536,603	12,917	1.3	100,735	*	1.82	705,984
West Shewa	161,792	1,257,298	160,567	1.54	1,224,223	-	-	-	*	*	*
North Shewa	69,720	494,379	66,748	1.29	436,615	-	*	*	*	*	*
East Shewa	15,493	150,761	13,864	1.79	91,615	*	*	*	*	*	*
Arsi	92,104	570,742	91,215	1.74	562,253	-	*	*	*	*	*
West Harerghe	54,588	605,679	54,132	1.89	598,839	-	-	-	*	*	*
East Harerghe	46,430	297,059	46,106	1.62	292,830	-	*	*	324	2	3,884
Bale	99,289	1,716,526	96,197	1.85	1,527,160	*	*	*	*	*	*
Borena	96,282	471,954	95,764	1.24	469,884	*	*	*	-	-	-
South West Shewa	94,197	826,268	93,207	2.05	816,365	-	-	-	*	*	*
Guji	194,440	1,109,427	193,826	1.38	1,104,613	*	*	*	-	-	-
West Arsi	69,823	622,930	69,823	1.52	618,492	-	*	*	-	-	-
Kelem Wellega	83,959	334,744	81,549	1.15	297,916	*	*	*	*	*	*
Horoguduru Wellega	94,741	337,109	94,563	1.1	336,443	*	*	*	-	-	-

TABLE 3-18 CONT'D

Geographic Area	All Beehives		Traditional Beehives			Intermediate Beehives			Modern Beehives		
	Number of hives	Total annual honey production	Number of hives	Avg. frequency of production	Total annual honey production	Number of hives	Avg. frequency of production	Total annual honey production	Number of hives	Avg. frequency of production	Total annual honey production
<b>Somale</b>	1,734	7,713	1,648	1.58	7,195	*	*	*	-	-	-
Shinele	*	*	*	*	*	-	-	-	-	-	-
Jijiga	1,270	4,962	1,184	1.67	4,444	*	*	*	-	-	-
Liben	*	*	*	*	*	-	-	-	-	-	-
<b>Benshangul-Gumuz</b>	185,719	*	185,463	1.32	*	*	*	*	*	*	*
Metekel	72,528	*	72,463	1.56	*	*	*	*	-	-	-
Asosa	45,103	*	45,103	1.21	*	-	-	-	-	-	-
Kemeshi	12,277	*	12,142	1.05	*	*	*	*	*	*	*
Mao Komo	55,812	247,894	55,755	1.16	246,663	-	-	-	*	*	*
<b>SNNP</b>	907,292	7,695,920	886,960	1.81	7,547,360	13,630	1.43	86,830	6,702	2.19	61,730
Gurage	42,034	299,842	41,138	1.97	294,771	-	*	*	*	*	*
Hadiya	60,674	653,673	57,766	1.92	644,456	*	*	*	*	*	*
Kembata Tembaro	24,847	212,582	22,910	2.04	198,403	*	*	*	*	*	*
Sidama	82,726	415,877	76,903	1.67	369,670	*	*	*	-	-	-
Gedio	37,161	131,173	36,670	1.16	129,357	*	*	*	*	*	*
Wolayita	37,895	253,235	33,114	2.75	244,534	*	*	*	-	-	-
South Omo	129,030	1,169,895	128,817	2.01	1,167,230	-	-	-	*	*	*
Shaka	78,279	558,613	77,607	1.09	551,757	*	*	*	-	-	-
Kaffa	132,272	819,866	131,605	1.16	811,631	*	*	*	-	-	-
Gamo Gofa	86,396	910,602	86,396	1.82	910,602	-	-	-	-	-	-
Bench Maji	69,813	1,006,615	69,813	2.22	1,006,615	-	-	-	-	-	-
Yem Sp. Wereda	13,124	170,170	12,842	2.33	163,346	*	*	*	*	*	*
Dawro	24,102	303,396	23,939	1.69	302,089	*	*	*	-	-	-
Basketo Sp. Wereda	3,951	24,952	3,951	1.45	24,887	-	*	*	-	-	-
Konta Sp. Wereda	*	*	*	1.95	*	-	-	-	-	-	-
Silte	29,846	237,314	29,136	2.1	207,709	*	*	*	*	*	*
Alaba Sp. Wereda	8,417	127,394	7,627	2	120,267	-	-	-	*	*	*
Segen People	28,947	191,999	28,947	1.65	191,313	-	*	*	-	-	-
<b>Gambella Region</b>	71,380	1,487,678	71,239	2.65	1,486,179	*	*	*	-	-	-
Agnuwak	52,131	*	52,131	2.75	*	-	-	-	-	-	-
Nuware	*	*	*	*	*	-	-	-	-	-	-
Mezhenger	18,975	*	18,835	*	*	*	*	*	-	-	-
Itang Special	-	-	-	-	-	-	-	-	-	-	-
<b>Harari</b>	830	5,420	830	1.66	5,420	-	-	-	-	-	-
Hundene	830	5,420	830	1.66	5,420	-	-	-	-	-	-
<b>Dire Dawa</b>	937	4,480	728	1.75	3,300	*	*	*	-	*	*

TABLE 3 – 19: ESTIMATED NUMBERS OF BIRTHS, PURCHASES, AND ACQUIRED ANIMALS DURING THE REFERENCE PERIOD BY ZONE AND REGION

**a. Cattle**

Geographic Area	Number of Births			Number of Purchases			Acquired by any Other Means		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
<b>Ethiopia</b>	10,225,288	4,939,683	5,285,605	3,801,418	2,319,674	1,481,744	846,899	370,907	475,993
<b>Tigray</b>	752,692	357,347	395,345	173,119	113,500	59,618	20,347	9,588	10,759
North West Tigray	293,896	144,837	149,060	35,727	22,638	13,088	8,002	4,760	3,242
Central Tigray	113,048	53,515	59,533	40,185	30,231	9,954	*	*	*
Eastern Tigray	75,242	32,604	42,638	41,125	26,860	14,266	*	*	*
Southern Tigray	126,349	59,798	66,551	39,574	24,226	15,348	2,682	1,516	1,166
Western Tigray	144,158	66,594	77,564	16,508	9,545	6,963	1,770	661	1,109
<b>Afar</b>	381,837	151,543	230,293	17,104	6,018	11,087	*	*	*
Zone 1	249,793	96,800	152,993	8,205	*	5,255	*	*	*
Zone 3	132,044	54,744	77,300	8,899	*	*	*	*	*
<b>Amhara</b>	2,090,711	1,021,300	1,069,411	989,330	663,878	325,453	169,973	75,204	94,770
North Gondar	530,860	262,841	268,019	135,474	92,901	42,574	*	*	*
South Gondar	219,899	102,259	117,639	107,131	71,801	35,330	*	3,772	*
North Wolo	146,483	72,166	74,317	79,723	49,075	30,649	14,554	1,856	12,698
South Wolo	292,724	141,936	150,788	159,599	103,973	55,627	*	*	*
North Shewa	163,899	79,789	84,110	115,747	84,952	30,795	17,137	5,508	11,629
East Gojam	211,246	98,963	112,283	119,713	77,239	42,474	5,607	3,065	*
West Gojam	267,475	140,579	126,895	169,499	121,652	47,847	3,951	2,505	*
Waghamera	50,857	22,328	28,529	17,603	11,057	6,546	5,799	2,473	3,326
Awii	144,014	68,125	75,889	72,971	42,562	30,409	2,825	1,814	1,011
Oromia	59,516	30,574	28,942	10,956	8,048	2,908	1,203	533	671
Argoba Special	3,740	1,741	1,998	914	620	294	502	349	153
<b>Oromia</b>	4,181,009	2,053,438	2,127,571	1,572,184	1,020,151	552,033	388,672	184,739	203,934
West Wellega	178,256	89,838	88,418	63,078	39,588	23,490	7,064	*	*
East Wellega	170,879	81,906	88,973	70,539	46,003	24,536	737	*	*
Illubabor	224,655	111,763	112,892	112,688	71,555	41,133	31,017	14,579	16,438
Jimma	391,055	205,871	185,184	166,009	117,228	48,781	144,832	77,229	67,603
West Shewa	288,282	148,237	140,045	125,899	83,790	42,109	23,487	11,320	12,167
North Shewa	249,800	114,881	134,919	136,326	82,363	53,963	37,983	18,883	19,100
East Shewa	152,556	73,600	78,957	54,576	39,583	14,993	10,194	*	5,665
Arsi	409,438	203,447	205,991	161,086	110,685	50,401	12,484	4,730	7,754
West Harerghe	211,829	104,244	107,585	126,759	88,104	38,655	25,487	11,517	13,970
East Harerghe	257,650	130,954	126,696	75,074	41,655	33,419	31,475	10,468	21,007
Bale	331,475	159,383	172,092	88,774	64,567	24,208	10,128	3,068	7,060
Borena	267,502	121,749	145,753	35,702	16,757	18,945	7,824	2,428	5,396
South West Shewa	151,287	71,807	79,480	89,407	51,459	37,948	19,654	9,509	10,144
Guji	315,099	147,439	167,660	62,305	32,646	29,659	2,972	*	2,250
West Arsi	403,940	200,142	203,797	100,811	62,567	38,244	15,391	8,842	6,549
Kelem Wellega	89,914	44,426	45,487	71,497	53,233	18,264	7,258	*	3,588
Horoguduru Wellega	87,390	43,749	43,641	31,653	18,368	13,285	688	*	*

TABLE 3-19 - a CONT'D

Geographic Area	Number of Births			Number of Purchases			Acquired by any Other Means		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
<b>Somale</b>	156,472	76,660	79,812	3,602	2,069	1,533	1,492	583	909
Shinele	3,581	1,752	1,829	330	*	*	*	*	*
Jijiga	96,337	46,197	50,140	2,236	1,580	656	786	*	515
Liben	56,554	28,711	27,843	1,035	*	732	*	*	*
<b>Benshangul-Gumuz</b>	109,782	53,080	56,703	52,376	26,239	26,137	2,582	1,001	1,581
Metekel	80,042	37,531	42,511	26,769	13,246	13,524	1,507	651	856
Asosa	17,456	9,621	7,835	19,117	9,325	9,792	*	*	*
Kemeshi	9,532	4,640	4,893	4,657	2,374	2,284	*	*	*
Mao Komo	2,752	1,288	1,464	1,833	1,295	538	*	*	*
<b>SNNP</b>	2,461,492	1,184,807	1,276,685	973,432	476,429	497,002	252,108	96,353	155,756
Gurage	204,258	87,912	116,346	98,953	49,343	49,610	21,310	6,160	15,150
Hadiya	161,025	75,204	85,821	79,177	42,240	36,937	18,417	7,567	10,851
Kembata Tembaro	75,924	34,434	41,491	41,157	21,072	20,085	14,543	6,532	8,011
Sidama	597,323	305,362	291,961	164,185	21,673	142,512	16,188	*	13,894
Gedio	18,207	12,076	6,131	67,726	54,723	13,003	*	*	*
Wolayita	172,252	82,137	90,114	141,953	73,537	68,416	11,008	2,429	8,578
South Omo	315,366	145,793	169,573	49,051	32,087	16,964	38,334	13,817	24,517
Shaka	35,796	18,129	17,668	14,391	7,518	6,873	7,880	2,499	5,381
Kaffa	211,491	101,475	110,016	68,227	44,011	24,216	28,279	14,186	14,093
Gamo Gofa	271,274	133,596	137,678	105,575	49,909	55,666	48,939	21,367	27,572
Bench Maji	77,120	34,197	42,923	31,646	18,389	13,258	18,079	5,060	13,019
Yem Sp. Wereda	9,581	4,083	5,498	5,765	3,497	2,269	1,482	601	881
Dawro	67,864	34,710	33,154	21,244	8,872	12,372	1,984	1,143	842
Basketo Sp. Wereda	8,531	3,804	4,727	4,821	2,748	2,072	2,166	938	1,228
Konta Sp. Wereda	23,190	12,158	11,032	10,172	5,742	4,430	1,885	866	1,019
Silte	115,196	53,601	61,596	34,168	20,586	13,582	8,995	3,764	5,231
Alaba Sp. Wereda	35,276	15,794	19,482	9,950	5,050	4,900	7,235	4,179	3,056
Segen People	61,818	30,343	31,475	25,270	15,432	9,838	4,777	2,566	*
<b>Gambela Region</b>	67,724	29,580	38,144	15,790	9,140	6,650	5,453	2,064	3,389
Angnuwak	4,954	2,657	2,297	6,137	5,223	914	*	*	*
Nuware	51,985	21,430	30,555	6,112	2,742	3,370	4,244	1,329	2,914
Mezhenger	7,734	4,173	3,561	3,241	1,052	2,189	580	*	359
Itang Special	3,051	*	1,731	*	*	176	*	*	*
<b>Harari</b>	13,537	7,027	6,510	2,604	1,235	1,369	871	193	678
Hundene	13,537	7,027	6,510	2,604	1,235	1,369	871	193	678
<b>Dire Dawa</b>	10,033	4,900	5,133	1,877	1,014	863	461	*	359

## b. Sheep

Geographic Area	Number of Births			Number of Purchases			Acquired by any Other Means		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
<b>Ethiopia</b>	11,703,794	5,619,772	6,084,022	3,887,855	1,980,426	1,907,428	686,827	129,394	557,433
<b>Tigray</b>	534,836	246,747	288,090	219,888	104,011	115,877	6,448	1,543	4,904
North West Tigray	36,908	17,501	19,407	12,588	3,336	9,252	-	-	-
Central Tigray	112,952	51,852	61,100	21,943	6,648	15,295	*	*	*
Eastern Tigray	235,555	110,833	124,722	83,852	45,378	38,473	*	*	*
Southern Tigray	126,164	56,767	69,397	96,488	46,362	50,126	*	*	*
Western Tigray	23,258	9,793	13,465	5,017	2,287	2,730	-	-	-
<b>Afar</b>	554,852	223,590	331,262	44,734	23,607	21,126	*	*	*
Zone 1	307,216	132,335	174,881	27,178	14,194	12,984	5,544	2,184	3,360
Zone 3	247,637	91,255	156,381	17,555	9,413	*	*	*	*
<b>Amhara</b>	3,959,863	1,955,560	2,004,302	1,822,830	1,030,081	792,749	278,460	52,339	226,121
North Gonder	487,298	240,036	247,262	122,880	55,967	66,913	*	*	*
South Gonder	404,788	204,248	200,540	144,703	72,713	71,990	*	*	*
North Wolo	236,469	111,854	124,615	115,617	56,984	58,633	43,863	4,240	39,623
South Wolo	654,791	316,871	337,920	302,760	191,829	110,932	113,806	*	86,338
North Shewa	691,489	330,617	360,872	124,389	72,040	52,349	59,628	7,063	52,565
East Gojam	598,369	302,252	296,116	380,074	176,807	203,267	13,030	*	11,726
West Gojam	543,996	286,094	257,902	382,698	262,032	120,666	11,151	*	*
Waghamera	40,104	18,009	22,095	8,982	2,989	5,993	*	*	*
Awi	260,348	123,025	137,323	202,344	114,177	88,166	*	*	*
Oromia	40,255	21,649	18,607	35,636	23,513	12,123	*	*	*
Argoba Special	1,957	907	1,050	2,748	1,031	1,717	*	-	*
<b>Oromia</b>	4,381,285	2,125,382	2,255,903	1,255,901	590,480	665,421	216,088	30,932	185,156
West Wellega	160,675	81,860	78,814	47,718	9,784	37,933	3,273	*	2,702
East Wellega	126,300	61,477	64,823	38,873	17,894	20,979	*	*	3,140
Illubabor	196,808	100,087	96,721	52,301	14,684	37,617	20,171	2,581	17,590
Jimma	357,280	178,099	179,181	102,448	42,732	59,715	62,882	*	59,475
West Shewa	488,108	221,943	266,165	117,125	63,317	53,808	19,462	*	13,397
North Shewa	601,460	305,696	295,765	256,398	169,423	86,975	43,990	*	32,246
East Shewa	144,201	69,088	75,112	39,429	15,290	24,139	*	-	*
Arsi	719,382	347,217	372,165	182,707	83,711	98,996	23,428	*	21,051
West Harerghe	81,192	37,176	44,016	23,970	3,784	20,187	3,974	*	3,236
East Harerghe	194,974	95,128	99,847	47,566	23,246	24,320	10,169	1,304	8,864
Bale	162,026	78,937	83,089	31,119	8,733	22,386	*	*	*
Borena	115,807	53,130	62,677	20,198	4,915	15,283	2,525	632	*
South West Shewa	178,577	88,424	90,153	99,013	67,235	31,778	5,521	-	5,521
Guji	189,205	94,946	94,258	38,410	8,288	30,122	1,758	*	1,505
West Arsi	398,782	179,683	219,099	84,158	24,214	59,944	*	-	*
Kelem Wellega	142,861	72,811	70,050	54,515	21,591	32,923	*	*	*
Horoguduru Wellega	123,646	59,678	63,969	19,955	11,639	8,316	*	*	*



TABLE 3-19 - b CONT'D

Geographic Area	Number of Births			Number of Purchases			Acquired by any Other Means		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
<b>Somale</b>	432,956	198,072	234,883	16,594	10,396	6,197	2,970	*	2,105
Shinele	17,213	7,324	9,889	673	581	92	194	*	64
Jijiga	285,369	130,670	154,699	10,570	*	2,557	*	*	*
Liben	130,373	60,078	70,295	5,351	*	3,549	2,530	*	1,852
<b>Benshangul-Gumuz</b>	42,739	21,449	21,290	13,552	4,923	8,630	*	-	*
Metekel	23,245	11,870	11,375	6,038	2,507	3,531	*	-	*
Asosa	9,796	4,494	5,303	4,428	1,254	3,174	-	-	-
Kemeshi	5,249	2,715	2,535	2,467	1,032	1,434	-	-	-
Mao Komo	4,448	2,370	2,078	620	130	490	*	-	*
<b>SNNP</b>	1,746,774	824,208	922,566	498,509	205,937	292,572	153,500	33,274	120,225
Gurage	136,061	61,169	74,892	40,139	21,931	18,208	4,468	*	2,715
Hadiya	107,655	53,048	54,608	25,813	6,716	19,097	9,899	*	9,079
Kembata Tembaro	38,666	18,939	19,728	21,862	15,173	6,689	8,854	2,120	6,734
Sidama	167,092	76,256	90,836	56,668	9,186	47,482	*	*	*
Gedio	73,824	37,207	36,618	36,116	13,582	22,534	*	*	*
Wolayita	77,573	36,832	40,742	56,394	17,010	39,384	12,298	2,113	10,185
South Omo	417,298	201,911	215,387	31,118	7,520	23,598	*	*	32,925
Shaka	32,535	15,775	16,761	15,075	8,021	7,054	3,546	*	3,147
Kaffa	204,010	99,616	104,393	64,440	33,388	31,053	27,437	*	25,508
Gamo Gofa	175,938	75,294	100,644	60,857	34,459	26,398	8,525	*	5,609
Bench Maji	50,469	23,959	26,510	27,155	15,582	11,573	6,316	382	5,934
Yem Sp. Wereda	11,942	5,709	6,233	1,953	488	1,465	813	*	676
Dawro	38,133	18,963	19,170	14,377	6,502	7,875	768	*	*
Basketo Sp. Wereda	7,673	3,384	4,290	2,342	642	1,701	1,057	176	881
Konta Sp. Wereda	7,578	3,998	3,580	6,999	4,367	2,632	*	*	*
Silte	130,729	58,096	72,633	26,414	7,340	19,073	11,508	2,566	8,942
Alaba Sp. Wereda	22,977	10,431	12,546	2,834	593	2,241	2,720	*	2,476
Segen People	46,620	23,624	22,997	7,953	3,438	4,516	2,343	*	1,471
<b>Gambela Region</b>	16,171	7,256	8,915	10,079	7,723	2,355	267	*	187
Angnuwak	*	*	*	*	*	*	-	-	-
Nuware	12,518	5,706	6,813	1,395	576	818	*	-	*
Mezhenger	1,851	755	1,096	5,950	4,688	1,262	213	*	*
Itang Special	1,233	*	596	*	*	*	-	-	-
<b>Harari</b>	2,987	1,541	1,446	847	516	331	242	*	208
Hundene	2,987	1,541	1,446	847	516	331	242	*	208
<b>Dire Dawa</b>	31,329	15,966	15,363	4,921	2,751	2,169	1,561	420	1,141

### c. Goats

Geographic Area	Number of Births			Number of Purchases			Acquired by any Other Means		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
<b>Ethiopia</b>	11,188,286	5,139,575	6,048,711	2,095,170	758,216	1,336,954	387,998	78,178	309,820
<b>Tigray</b>	1,459,169	642,429	816,740	237,112	79,719	157,393	7,739	2,554	5,185
North West Tigray	679,322	300,135	379,187	63,027	18,679	44,349	3,426	1,915	*
Central Tigray	328,097	149,493	178,604	41,345	15,048	26,298	*	*	*
Eastern Tigray	75,188	32,156	43,031	36,583	*	22,307	*	-	*
Southern Tigray	174,406	74,815	99,590	62,983	24,223	38,759	*	-	*
Western Tigray	202,157	85,829	116,328	33,174	7,493	25,681	*	*	*
<b>Afar</b>	1,053,900	400,847	653,053	69,092	31,096	37,996	30,515	7,793	22,723
Zone 1	697,270	273,522	423,748	44,378	20,958	23,420	16,386	*	13,364
Zone 3	356,629	127,325	229,305	24,714	10,137	14,576	*	*	*
<b>Amhara</b>	2,449,015	1,166,119	1,282,896	746,214	337,083	409,131	106,908	23,947	82,961
North Gonder	695,622	330,324	365,298	122,024	58,587	63,437	*	*	*
South Gonder	180,740	85,644	95,096	65,247	27,098	38,149	*	*	*
North Wolo	203,745	96,922	106,823	87,659	37,211	50,448	12,611	1,714	10,896
South Wolo	298,114	164,102	134,012	152,192	59,181	93,012	49,128	13,703	35,425
North Shewa	316,972	151,867	165,104	97,684	56,348	41,336	24,953	*	20,595
East Gojam	297,677	127,508	170,169	80,302	36,765	43,536	*	*	*
West Gojam	175,950	84,895	91,055	38,708	16,521	22,187	*	-	*
Waghamera	114,853	44,441	70,412	40,973	12,908	28,064	2,385	922	*
Awi	76,801	36,032	40,769	35,700	21,032	14,668	*	*	-
Oromia	78,672	39,315	39,357	20,893	9,677	11,215	*	*	*
Argoba Special	9,868	5,069	4,800	4,833	1,755	3,079	787	166	621
<b>Oromia</b>	3,639,567	1,726,359	1,913,208	647,812	192,703	455,108	139,010	22,759	116,252
West Wellega	93,846	42,373	51,473	20,120	3,163	16,957	*	*	*
East Wellega	77,098	37,071	40,027	14,214	4,920	9,294	*	*	*
Illubabor	130,790	57,994	72,796	43,572	10,455	33,118	6,421	*	5,728
Jimma	221,430	105,924	115,506	35,982	5,565	30,416	31,969	4,916	27,054
West Shewa	240,786	122,621	118,165	29,171	7,441	21,730	*	*	*
North Shewa	138,081	73,132	64,949	36,877	23,075	13,802	9,396	*	7,115
East Shewa	247,800	115,418	132,382	27,102	6,728	20,374	3,463	*	2,762
Arsi	321,308	151,583	169,725	51,345	13,275	38,070	9,403	*	6,328
West Harerghe	408,454	182,737	225,718	84,025	27,882	56,143	13,819	1,184	12,635
East Harerghe	411,099	205,945	205,153	68,640	27,386	41,254	24,407	4,329	20,078
Bale	307,508	145,738	161,770	58,788	14,177	44,611	7,690	1,967	5,723
Borena	322,043	141,665	180,377	30,463	6,132	24,331	6,596	*	5,964
South West Shewa	165,906	78,546	87,359	27,329	11,787	15,542	5,981	996	4,985
Guji	191,908	89,501	102,408	18,722	2,347	16,375	*	*	*
West Arsi	186,218	89,472	96,746	44,098	8,937	35,162	2,729	*	*
Kelem Wellega	85,597	42,579	43,018	42,565	13,656	28,909	2,750	-	2,750
Horoguduru Wellega	89,695	44,061	45,634	14,799	5,778	9,021	*	*	*

TABLE 3-19 - c CONT'D

Geographic Area	Number of Births			Number of Purchases			Acquired by any Other Means		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
<b>Somale</b>	654,949	290,444	364,505	19,902	7,731	12,171	7,753	2,247	5,506
Shinele	51,411	20,727	30,684	1,209	678	531	1,674	*	1,250
Jijiga	295,002	137,452	157,550	*	*	*	*	601	*
Liben	308,536	132,265	176,272	10,184	4,389	5,795	4,474	*	3,252
<b>Benshangul-Gumuz</b>	270,735	119,133	151,602	66,622	16,413	50,209	*	*	*
Metekel	106,695	47,865	58,830	32,852	10,398	22,454	-	-	-
Asosa	114,545	48,883	65,662	27,744	4,975	22,769	*	-	*
Kemeshi	35,963	16,587	19,376	3,765	731	3,034	*	*	*
Mao Komo	13,532	5,798	7,734	2,261	309	1,952	198	-	198
<b>SNNP</b>	1,525,227	732,484	792,743	290,958	86,464	204,494	86,282	16,939	69,343
Gurage	56,354	29,463	26,891	15,143	5,392	9,751	1,998	-	1,998
Hadiya	66,564	34,379	32,185	24,280	6,550	17,730	2,983	-	2,983
Kembata Tembaro	21,034	9,801	11,233	7,897	2,250	5,646	3,905	*	3,517
Sidama	82,943	42,469	40,474	46,923	18,892	28,031	*	-	*
Gedio	5,084	1,950	3,134	1,752	*	*	-	-	-
Wolayita	50,113	25,787	24,326	24,998	5,450	19,548	5,275	*	4,558
South Omo	712,528	313,904	398,624	49,164	16,659	32,505	34,728	*	24,055
Shaka	8,355	4,401	3,954	5,921	2,322	3,600	1,201	-	1,201
Kaffa	127,140	65,698	61,442	23,196	6,860	16,336	9,753	*	8,490
Gamo Gofa	111,221	58,916	52,305	31,353	4,950	26,404	13,148	*	12,249
Bench Maji	31,530	16,879	14,651	11,186	4,443	6,743	2,008	*	1,795
Yem Sp. Wereda	15,397	7,792	7,605	1,961	*	1,780	772	*	742
Dawro	26,945	13,831	13,114	7,547	2,164	5,383	*	*	*
Basketo Sp. Wereda	4,839	2,447	2,391	1,170	345	825	*	-	*
Konta Sp. Wereda	5,761	3,330	2,431	2,013	585	1,428	*	*	-
Silte	77,582	40,509	37,072	15,633	3,851	11,781	2,522	*	2,005
Alaba Sp. Wereda	26,469	13,308	13,161	2,813	*	2,654	2,073	*	1,900
Segen People	95,368	47,620	47,749	18,007	4,827	13,180	*	*	*
<b>Gambela Region</b>	38,733	18,143	20,590	8,154	2,490	5,664	*	*	2,171
Angnuwak	12,548	6,363	6,186	3,096	835	2,260	*	*	*
Nuware	23,539	10,634	12,905	3,152	709	2,443	*	*	366
Mezhenger	1,199	584	615	1,806	926	880	*	-	*
Itang Special	1,446	562	883	*	*	*	-	-	-
<b>Harari</b>	20,311	9,141	11,170	2,800	1,779	1,020	1,211	*	1,016
Hundene	20,311	9,141	11,170	2,800	1,779	1,020	1,211	*	1,016
<b>Dire Dawa</b>	76,682	34,477	42,205	6,505	2,737	3,768	2,770	916	1,854

#### d. Horses

Geographic Area	Number of Births			Number of Purchases			Acquired by any Other Means		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
<b>Ethiopia</b>	177,343	95,703	81,640	193,359	107,195	86,164	20,330	6,488	13,842
<b>Tigray</b>	*	*	*	*	*	*	-	-	-
North West Tigray	-	-	-	*	-	*	-	-	-
Central Tigray	*	-	*	-	-	-	-	-	-
Eastern Tigray	-	-	-	-	-	-	-	-	-
Southern Tigray	*	*	-	*	*	-	-	-	-
Western Tigray	-	-	-	-	-	-	-	-	-
<b>Afar</b>	*	-	*	*	*	-	-	-	-
Zone 1	*	-	*	-	-	-	-	-	-
Zone 3	-	-	-	*	*	-	-	-	-
<b>Amhara</b>	32,961	16,734	16,227	36,319	15,555	20,764	3,308	*	*
North Gonder	*	*	*	*	*	-	-	-	-
South Gonder	*	*	-	*	*	-	-	-	-
North Wolo	1,821	945	*	*	*	*	*	-	*
South Wolo	10,908	5,754	5,154	10,193	4,183	6,009	*	*	*
North Shewa	3,025	*	2,050	3,918	1,798	2,120	*	*	-
East Gojam	5,890	3,381	2,509	9,011	3,111	5,901	*	*	-
West Gojam	*	*	*	*	*	*	-	-	-
Waghamera	*	-	*	*	*	-	-	-	-
Awi	3,185	1,854	*	4,970	2,053	*	-	-	-
Oromia	*	*	-	-	-	-	-	-	-
Argoba Special	*	*	*	*	-	*	-	-	-
<b>Oromia</b>	114,125	63,196	50,929	112,117	68,140	43,977	13,285	4,044	9,242
West Wellega	*	*	*	-	-	-	-	-	-
East Wellega	*	*	-	*	*	*	-	-	-
Illubabor	7,495	4,223	3,272	4,088	1,948	2,140	2,248	*	1,486
Jimma	*	*	*	5,418	2,931	2,487	6,840	*	5,910
West Shewa	6,321	2,697	3,624	8,614	5,919	2,695	-	-	-
North Shewa	12,526	7,606	4,920	5,001	2,183	*	2,278	1,141	1,137
East Shewa	*	*	*	5,380	5,380	-	-	-	-
Arsi	30,510	16,423	14,088	31,871	16,080	15,792	*	*	*
West Harerghe	*	-	*	*	*	-	-	-	-
East Harerghe	*	*	-	-	-	-	-	-	-
Bale	*	*	*	7,662	6,413	*	-	-	-
Borena	-	-	-	*	*	-	-	-	-
South West Shewa	*	*	-	9,516	8,982	*	*	*	-
Guji	14,600	7,598	7,002	13,079	6,162	6,917	-	-	-
West Arsi	17,561	10,372	7,189	16,928	8,832	8,096	*	*	-
Kelem Wellega	-	-	-	*	*	-	-	-	-
Horoguduru Wellega	3,493	1,826	1,667	1,834	1,156	679	-	-	-

TABLE 3-19 - d CONT'D

Geographic Area	Number of Births			Number of Purchases			Acquired by any Other Means		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
<b>Somale</b>	*	*	*	*	-	*	*	-	*
Shinele	*	-	*	-	-	-	-	-	-
Jijiga	*	*	*	-	-	-	-	-	-
Liben	*	*	*	*	-	*	*	-	*
<b>Benshangul-Gumuz</b>	*	*	*	912	*	680	-	-	-
Metekel	*	*	*	*	*	*	-	-	-
Asosa	*	*	*	546	*	*	-	-	-
Kemeshi	-	-	-	-	-	-	-	-	-
Mao Komo	-	-	-	-	-	-	-	-	-
<b>SNNP</b>	27,168	14,484	12,684	42,674	22,312	20,362	3,589	1,217	2,372
Gurage	*	*	*	6,419	*	2,515	*	*	*
Hadiya	*	*	*	6,294	1,875	4,419	-	-	-
Kembata Tembaro	*	*	-	*	*	*	*	-	*
Sidama	*	*	*	*	*	*	-	-	-
Gedio	*	-	*	3,239	2,253	*	-	-	-
Wolayita	-	-	-	*	*	-	-	-	-
South Omo	*	*	*	*	*	*	-	-	-
Shaka	*	*	*	1,006	*	454	*	*	*
Kaffa	9,079	3,434	5,645	9,050	5,753	3,297	*	*	*
Gamo Gofa	4,965	3,206	1,759	3,213	*	*	*	*	*
Bench Maji	783	502	*	*	*	*	-	-	-
Yem Sp. Wereda	*	-	*	-	-	-	-	-	-
Dawro	266	*	*	680	259	*	*	*	-
Basketo Sp. Wereda	-	-	-	-	-	-	-	-	-
Konta Sp. Wereda	*	*	*	503	*	*	*	-	*
Silte	1,954	*	*	3,139	696	2,443	-	-	-
Alaba Sp. Wereda	*	*	*	582	*	*	*	*	*
Segen People	*	*	*	*	*	-	-	-	-
<b>Gambela Region</b>	-	-	-	220	220	-	-	-	-
Angnuwak	-	-	-	-	-	-	-	-	-
Nuware	-	-	-	-	-	-	-	-	-
Mezhenger	-	-	-	220	220	-	-	-	-
Itang Special	-	-	-	-	-	-	-	-	-
<b>Harari</b>	*	-	*	-	-	-	*	-	*
Hundene	*	-	*	-	-	-	*	-	*
<b>Dire Dawa</b>	-	-	-	*	-	*	-	-	-

### c. Donkeys

Geographic Area	Number of Births			Number of Purchases			Acquired by any Other Means		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
<b>Ethiopia</b>	576,419	296,999	279,420	818,681	454,424	364,257	37,131	10,078	27,053
<b>Tigray</b>	44,431	23,592	20,839	43,602	25,473	18,128	*	*	-
North West Tigray	12,754	7,403	*	8,489	4,467	4,021	-	-	-
Central Tigray	10,281	6,241	4,040	9,820	4,516	5,304	-	-	-
Eastern Tigray	8,820	3,688	5,132	10,894	6,799	4,096	*	*	-
Southern Tigray	11,049	5,143	5,905	10,283	6,372	3,910	-	-	-
Western Tigray	1,527	1,117	*	4,116	3,319	797	-	-	-
<b>Afar</b>	12,211	5,887	6,324	13,097	6,984	6,113	*	*	*
Zone 1	8,330	4,099	4,231	3,311	*	*	*	*	*
Zone 3	3,881	1,788	2,093	*	*	4,344	*	*	*
<b>Amhara</b>	218,177	106,790	111,387	257,047	137,747	119,300	11,656	1,912	9,744
North Gonder	28,597	16,640	11,957	40,346	25,226	15,120	*	-	*
South Gonder	23,298	12,117	11,181	29,621	11,378	18,243	*	-	*
North Wolo	18,827	9,240	9,587	16,932	6,233	10,699	*	-	*
South Wolo	39,103	17,641	21,462	42,907	19,589	23,319	6,141	*	4,821
North Shewa	35,338	14,265	21,073	36,466	25,572	10,895	*	*	*
East Gojam	31,272	16,002	15,270	46,207	25,960	20,247	*	-	*
West Gojam	22,910	10,265	12,644	22,700	11,422	11,279	-	-	-
Waghamera	5,261	2,956	2,306	9,618	4,054	5,564	*	*	-
Awi	8,869	5,004	3,865	9,092	7,315	1,777	-	-	-
Oromia	4,421	2,469	1,952	2,777	776	2,001	*	-	*
Argoba Special	282	190	92	380	222	158	38	29	*
<b>Oromia</b>	247,125	131,641	115,484	234,532	136,197	98,335	18,970	5,369	13,601
West Wellega	12,124	6,807	5,317	12,974	5,098	7,876	1,436	*	*
East Wellega	6,799	3,842	2,957	10,667	8,157	2,510	*	-	*
Illubabor	2,479	1,164	1,316	4,364	2,334	*	*	*	*
Jimma	2,346	*	1,605	17,874	11,701	6,173	*	-	*
West Shewa	14,524	6,192	8,332	23,611	12,666	10,944	*	*	*
North Shewa	33,785	18,549	15,236	21,007	11,304	9,703	3,551	*	3,094
East Shewa	23,978	12,005	11,974	13,040	7,070	5,969	793	-	793
Arsi	34,942	17,831	17,111	31,390	17,601	13,789	*	-	*
West Harerghe	15,572	8,425	7,147	18,002	11,701	6,301	4,758	2,665	2,092
East Harerghe	27,533	17,144	10,389	5,561	2,857	2,704	2,996	*	2,011
Bale	21,761	12,040	9,721	21,797	14,302	7,494	*	*	-
Borena	2,650	1,091	1,559	4,263	3,671	592	*	-	*
South West Shewa	15,244	8,150	7,095	15,483	9,913	5,570	*	-	*
Guji	5,494	2,628	2,866	3,292	1,932	1,360	-	-	-
West Arsi	15,312	8,680	6,632	17,693	7,420	10,273	*	-	*
Kelem Wellega	*	*	*	8,192	4,871	3,321	*	-	*
Horoguduru Wellega	7,677	3,804	3,872	5,322	3,596	1,726	*	*	-

TABLE 3-19 - e CONT'D

Geographic Area	Number of Births			Number of Purchases			Acquired by any Other Means		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
<b>Somale</b>	9,473	4,667	4,806	1,331	824	*	*	*	*
Shinele	511	236	275	*	*	*	*	-	*
Jijiga	5,153	2,353	2,800	998	744	*	*	-	*
Liben	3,809	2,078	1,731	*	*	*	*	*	-
<b>Benshangul-Gumuz</b>	6,844	3,690	3,153	17,693	12,287	5,406	-	-	-
Metekel	1,709	*	509	5,505	4,118	1,387	-	-	-
Asosa	4,499	2,222	2,276	7,545	4,052	3,493	-	-	-
Kemeshi	365	*	*	4,049	3,777	272	-	-	-
Mao Komo	270	116	155	594	340	255	-	-	-
<b>SNNP</b>	35,998	19,471	16,527	*	*	*	5,077	1,943	3,134
Gurage	7,474	4,636	*	8,431	5,607	2,824	*	*	*
Hadiya	4,783	3,669	1,113	11,238	5,350	5,887	*	*	-
Kembata Tembaro	*	*	-	5,163	4,771	*	*	*	-
Sidama	*	-	*	*	*	-	-	-	-
Gedio	-	-	-	*	*	-	-	-	-
Wolayita	*	*	-	8,821	8,362	*	*	*	-
South Omo	1,945	1,320	*	*	*	*	*	-	*
Shaka	-	-	-	332	*	*	-	-	-
Kaffa	-	-	-	*	*	*	-	-	-
Gamo Gofa	*	*	*	10,229	6,493	*	-	-	-
Bench Maji	*	-	*	*	*	-	-	-	-
Yem Sp. Wereda	*	*	*	325	229	*	*	-	*
Dawro	*	-	*	392	328	*	-	-	-
Basketo Sp. Wereda	-	-	-	321	*	135	-	-	-
Konta Sp. Wereda	-	-	-	293	*	*	-	-	-
Silte	8,385	3,159	5,227	*	*	*	1,941	*	1,402
Alaba Sp. Wereda	6,491	3,061	3,430	2,266	606	1,659	1,366	*	1,101
Segen People	2,863	961	1,902	1,752	1,386	*	-	-	-
<b>Gambela Region</b>	-	-	-	*	*	-	-	-	-
Angnuwak	-	-	-	*	*	-	-	-	-
Nuware	-	-	-	-	-	-	-	-	-
Mezhenger	-	-	-	-	-	-	-	-	-
Itang Special	-	-	-	-	-	-	-	-	-
<b>Harari</b>	686	343	*	464	288	*	*	-	*
Hundene	686	343	*	464	288	*	*	-	*
<b>Dire Dawa</b>	1,474	918	557	393	-	393	186	*	*

**f. Mules**

Geographic Area	Number of Births			Number of Purchases			Acquired by any Other Means		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
<b>Ethiopia</b>	27,309	15,676	11,634	48,253	25,871	22,382	2,703	*	*
<b>Tigray</b>	*	*	*	*	*	*	-	-	-
North West Tigray	-	-	-	*	-	*	-	-	-
Central Tigray	-	-	-	-	-	-	-	-	-
Eastern Tigray	-	-	-	-	-	-	-	-	-
Southern Tigray	*	*	*	*	*	-	-	-	-
Western Tigray	-	-	-	*	*	-	-	-	-
<b>Afar</b>	*	*	*	*	*	*	-	-	-
Zone 1	*	*	-	*	*	-	-	-	-
Zone 3	*	*	*	*	*	*	-	-	-
<b>Amhara</b>	13,440	7,452	5,987	20,451	9,553	10,898	*	*	*
North Gonder	-	-	-	-	-	-	*	*	*
South Gonder	*	-	*	*	*	*	-	-	-
North Wolo	*	*	-	*	*	*	-	-	-
South Wolo	6,400	3,755	2,645	2,958	*	*	-	-	-
North Shewa	-	-	-	*	*	*	-	-	-
East Gojam	*	*	*	*	-	*	-	-	-
West Gojam	*	*	*	7,919	*	3,882	-	-	-
Waghamera	-	-	-	*	*	*	-	-	-
Awi	*	*	*	3,998	3,414	*	-	-	-
Oromia	-	-	-	-	-	-	-	-	-
Argoba Special	-	-	-	-	-	-	-	-	-
<b>Oromia</b>	8,538	5,089	3,449	17,400	9,302	8,098	*	*	*
West Wellega	-	-	-	-	-	-	-	-	-
East Wellega	-	-	-	*	*	*	-	-	-
Illubabor	*	*	*	-	-	-	*	*	-
Jimma	*	*	*	3,085	*	2,686	-	-	-
West Shewa	*	*	*	2,816	*	1,255	-	-	-
North Shewa	*	*	*	*	-	*	-	-	-
East Shewa	-	-	-	1,261	1,261	-	-	-	-
Arsi	*	*	-	2,237	1,898	*	-	-	-
West Harerghe	-	-	-	*	*	*	-	-	-
East Harerghe	-	-	-	-	-	-	-	-	-
Bale	*	*	*	1,582	*	*	-	-	-
Borena	-	-	-	-	-	-	-	-	-
South West Shewa	*	*	*	*	*	*	-	-	-
Guji	*	*	*	*	*	*	-	-	-
West Arsi	*	*	-	*	*	*	*	-	*
Kelem Wellega	*	*	-	*	*	*	-	-	-
Horoguduru Wellega	*	*	*	*	*	*	-	-	-



TABLE 3-19 - f CONT'D

Geographic Area	Number of Births			Number of Purchases			Acquired by any Other Means		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
<b>Somale</b>	*	-	*	-	-	-	-	-	-
Shinele	*	-	*	-	-	-	-	-	-
Jijiga	-	-	-	-	-	-	-	-	-
Liben	-	-	-	-	-	-	-	-	-
<b>Benshangul-Gumuz</b>	*	*	-	1,049	796	253	*	-	*
Metekel	*	*	-	1,015	796	*	-	-	-
Asosa	-	-	-	-	-	-	-	-	-
Kemeshi	-	-	-	*	-	*	-	-	-
Mao Komo	-	-	-	-	-	-	*	-	*
<b>SNNP</b>	1,668	927	*	7,614	4,958	2,656	*	*	*
Gurage	*	*	-	*	*	-	-	-	-
Hadiya	*	*	-	*	*	-	-	-	-
Kembata Tembaro	*	-	*	*	-	*	-	-	-
Sidama	-	-	-	-	-	-	-	-	-
Gedio	-	-	-	*	*	*	*	*	-
Wolayita	-	-	-	*	-	*	-	-	-
South Omo	*	-	*	*	*	*	*	-	*
Shaka	-	-	-	*	-	*	-	-	-
Kaffa	*	-	*	*	*	*	-	-	-
Gamo Gofa	-	-	-	1,667	*	*	-	-	-
Bench Maji	-	-	-	*	*	-	-	-	-
Yem Sp. Wereda	-	-	-	-	-	-	-	-	-
Dawro	-	-	-	613	467	*	-	-	-
Basketo Sp. Wereda	-	-	-	*	*	-	-	-	-
Konta Sp. Wereda	-	-	-	*	*	-	-	-	-
Silte	*	-	*	-	-	-	-	-	-
Alaba Sp. Wereda	-	-	-	-	-	-	-	-	-
Segen People	-	-	-	*	*	*	-	-	-
<b>Gambela Region</b>	-	-	-	-	-	-	-	-	-
Angnuwak	-	-	-	-	-	-	-	-	-
Nuware	-	-	-	-	-	-	-	-	-
Mezhenger	-	-	-	-	-	-	-	-	-
Itang Special	-	-	-	-	-	-	-	-	-
<b>Harari</b>	-	-	-	-	-	-	-	-	-
Hundene	-	-	-	-	-	-	-	-	-
<b>Dire Dawa</b>	-	-	-	-	-	-	-	-	-

**g. Camels**

Geographic Area	Number of Births			Number of Purchases			Acquired by any Other Means		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
<b>Ethiopia</b>	176,511	75,397	101,115	45,440	36,572	8,868	4,697	2,696	2,001
<b>Tigray</b>	*	*	*	15,410	14,591	*	-	-	-
North West Tigray	-	-	-	3,343	3,343	-	-	-	-
Central Tigray	-	-	-	-	-	-	-	-	-
Eastern Tigray	-	-	-	-	-	-	-	-	-
Southern Tigray	*	*	*	*	*	*	-	-	-
Western Tigray	*	-	*	*	*	*	-	-	-
<b>Afar</b>	74,774	27,108	47,665	*	2,436	*	*	*	*
Zone 1	26,757	9,933	16,824	1,423	1,237	*	*	*	*
Zone 3	48,016	17,175	30,841	*	*	*	*	*	*
<b>Amhara</b>	-	-	-	15,156	15,156	-	1,428	*	*
North Gonder	-	-	-	-	-	-	-	-	-
South Gonder	-	-	-	-	-	-	-	-	-
North Wolo	-	-	-	*	*	-	-	-	-
South Wolo	-	-	-	*	*	-	*	*	-
North Shewa	-	-	-	*	*	-	*	*	*
East Gojam	-	-	-	-	-	-	-	-	-
West Gojam	-	-	-	-	-	-	-	-	-
Waghamera	-	-	-	-	-	-	-	-	-
Awi	-	-	-	-	-	-	-	-	-
Oromia	-	-	-	3,211	3,211	-	*	*	-
Argoba Special	-	-	-	*	*	-	-	-	-
<b>Oromia</b>	48,568	23,985	24,583	6,756	3,677	3,078	*	*	*
West Wellega	-	-	-	-	-	-	-	-	-
East Wellega	-	-	-	-	-	-	-	-	-
Illubabor	-	-	-	-	-	-	-	-	-
Jimma	-	-	-	-	-	-	-	-	-
West Shewa	-	-	-	-	-	-	-	-	-
North Shewa	-	-	-	-	-	-	-	-	-
East Shewa	*	*	*	-	-	-	-	-	-
Arsi	*	*	*	*	-	*	-	-	-
West Harerghe	9,991	6,902	3,089	*	*	*	-	-	-
East Harerghe	*	*	*	*	*	-	-	-	-
Bale	4,308	*	*	*	*	*	*	*	-
Borena	*	5,795	*	*	*	*	*	-	*
South West Shewa	-	-	-	-	-	-	-	-	-
Guji	*	*	*	*	*	-	-	-	-
West Arsi	-	-	-	-	-	-	-	-	-
Kelem Wellega	-	-	-	-	-	-	-	-	-
Horoguduru Wellega	-	-	-	-	-	-	-	-	-

TABLE 3-19 - g CONT'D

Geographic Area	Number of Births			Number of Purchases			Acquired by any Other Means		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
<b>Somale</b>	44,966	19,972	24,994	1,775	498	*	*	*	*
Shinele	1,546	628	917	*	-	*	*	*	*
Jijiga	9,213	4,061	5,152	*	*	*	-	-	-
Liben	34,206	15,282	18,924	*	*	*	*	-	*
<b>Benshangul-Gumuz</b>	-	-	-	-	-	-	-	-	-
Metekel	-	-	-	-	-	-	-	-	-
Asosa	-	-	-	-	-	-	-	-	-
Kemeshi	-	-	-	-	-	-	-	-	-
Mao Komo	-	-	-	-	-	-	-	-	-
<b>SNNP</b>	-	-	-	*	-	*	-	-	-
Gurage	-	-	-	-	-	-	-	-	-
Hadiya	-	-	-	*	-	*	-	-	-
Kembata Tembaro	-	-	-	-	-	-	-	-	-
Sidama	-	-	-	-	-	-	-	-	-
Gedio	-	-	-	-	-	-	-	-	-
Wolayita	-	-	-	-	-	-	-	-	-
South Omo	-	-	-	-	-	-	-	-	-
Shaka	-	-	-	-	-	-	-	-	-
Kaffa	-	-	-	-	-	-	-	-	-
Gamo Gofa	-	-	-	-	-	-	-	-	-
Bench Maji	-	-	-	-	-	-	-	-	-
Yem Sp. Wereda	-	-	-	-	-	-	-	-	-
Dawro	-	-	-	-	-	-	-	-	-
Basketo Sp. Wereda	-	-	-	-	-	-	-	-	-
Konta Sp. Wereda	-	-	-	-	-	-	-	-	-
Silte	-	-	-	-	-	-	-	-	-
Alaba Sp. Wereda	-	-	-	-	-	-	-	-	-
Segen People	-	-	-	-	-	-	-	-	-
<b>Gambela Region</b>	-	-	-	-	-	-	-	-	-
Angnuwak	-	-	-	-	-	-	-	-	-
Nuware	-	-	-	-	-	-	-	-	-
Mezhenger	-	-	-	-	-	-	-	-	-
Itang Special	-	-	-	-	-	-	-	-	-
<b>Harari</b>	*	*	*	*	-	*	-	-	-
Hundene	*	*	*	*	-	*	-	-	-
<b>Dire Dawa</b>	880	400	480	*	213	*	121	*	*

## h. Poultry

Geographic Area	Total Number of Births	Total Number of Purchases	Total Acquired by any Other Means
<b>Ethiopia</b>	83,549,283	10,172,342	731,175
<b>Tigray</b>	9,661,754	899,459	60,161
North West Tigray	3,713,375	146,302	22,987
Central Tigray	2,042,761	213,395	13,113
Eastern Tigray	1,299,809	176,153	12,617
Southern Tigray	1,501,572	256,932	6,595
Western Tigray	1,104,236	106,677	4,850
<b>Afar</b>	72,869	*	-
Zone 1	*	*	-
Zone 3	48,589	*	-
<b>Amhara</b>	29,100,375	4,327,033	267,295
North Gonder	9,955,847	833,169	53,024
South Gonder	3,013,995	468,965	8,730
North Wolo	1,538,598	372,169	4,001
South Wolo	1,772,538	582,360	*
North Shewa	2,750,147	655,614	20,841
East Gojam	1,826,094	537,417	*
West Gojam	5,019,225	568,887	*
Waghamera	457,008	51,702	4,689
Awi	2,211,061	184,332	5,997
Oromia	504,846	68,177	*
Argoba Special	51,017	4,241	103
<b>Oromia</b>	27,247,668	2,994,114	253,426
West Wellega	2,404,329	203,975	9,445
East Wellega	1,147,274	127,105	5,446
Illubabor	1,568,542	174,768	10,146
Jimma	2,196,986	191,882	58,758
West Shewa	2,039,832	296,369	9,727
North Shewa	772,533	157,911	14,220
East Shewa	1,878,041	174,833	5,239
Arsi	2,922,404	429,050	25,576
West Harerghe	2,552,149	218,753	39,562
East Harerghe	2,089,053	84,212	45,197
Bale	805,755	121,794	3,720
Borena	722,067	99,945	3,300
South West Shewa	1,206,158	172,386	3,444
Guji	1,040,393	120,096	2,102
West Arsi	1,372,879	151,086	3,863
Kelem Wellega	1,728,747	190,321	12,190
Horoguduru Wellega	800,528	79,628	1,492

TABLE 3-19 - h CONT'D

Geographic Area	Total Number of Births	Total Number of Purchases	Total Acquired by any Other Means
<b>Somale</b>	153,282	4,620	1,736
Shinele	3,660	*	*
Jijiga	*	-	-
Liben	145,477	4,537	1,496
<b>Benshangul-Gumuz</b>	1,988,921	178,682	2,177
Metekel	967,338	84,768	*
Asosa	674,406	74,773	1,112
Kemeshi	231,908	10,218	*
Mao Komo	115,269	8,923	377
<b>SNNP</b>	14,648,748	1,690,375	137,361
Gurage	586,534	120,940	3,048
Hadiya	1,594,260	114,610	10,728
Kembata Tembaro	508,651	48,054	21,378
Sidama	1,884,741	466,737	8,919
Gedio	360,886	149,174	*
Wolayita	1,252,310	129,511	11,930
South Omo	1,163,172	101,118	27,304
Shaka	439,986	59,343	3,446
Kaffa	2,344,908	146,419	15,413
Gamo Gofa	1,440,513	109,351	12,067
Bench Maji	1,088,864	87,904	5,353
Yem Sp. Wereda	56,364	7,923	931
Dawro	235,458	21,384	1,657
Basketo Sp. Wereda	66,191	10,440	349
Konta Sp. Wereda	115,525	11,815	1,333
Silte	753,544	62,822	3,694
Alaba Sp. Wereda	307,226	6,971	5,161
Segen People	449,616	35,858	4,067
<b>Gambela Region</b>	508,397	37,525	5,120
Angnuwak	301,292	12,855	*
Nuware	65,906	3,516	*
Mezhenger	91,411	19,826	1,069
Itang Special	49,788	*	*
<b>Harari</b>	82,176	1,305	1,754
Hundene	82,176	1,305	1,754
<b>Dire Dawa</b>	85,093	*	2,144

TABLE 3 – 20: ESTIMATED NUMBERS OF SALES, SLAUGHTERS, DEATHS, AND OFFERED ANIMALS DURING THE REFERENCE PERIOD BY ZONE AND REGION

**a. Cattle**

Geographic Area	Number of Sales			Number of Slaughters			Number of Deaths			Offerings		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
<b>Ethiopia</b>	5,703,497	3,452,921	2,250,576	328,538	87,386	141,152	3,481,333	1,421,480	2,059,852	596,553	261,663	334,891
<b>Tigray</b>	291,575	186,874	104,701	48,800	26,510	22,290	344,673	103,568	241,105	38,516	20,654	17,862
North West Tigray	93,845	55,674	38,171	20,416	10,410	10,006	108,529	42,649	65,881	21,202	10,850	10,352
Central Tigray	56,599	38,341	18,259	6,828	3,947	2,881	29,578	13,785	15,793	4,957	2,873	*
Eastern Tigray	43,930	29,216	14,715	4,085	2,786	*	18,052	8,099	9,953	3,333	*	1,677
Southern Tigray	51,410	34,350	17,060	10,254	5,309	4,945	*	20,217	*	5,235	3,114	2,121
Western Tigray	45,790	29,293	16,497	7,216	4,058	3,158	43,529	18,817	24,712	3,789	2,161	1,627
<b>Afar</b>	95,757	46,367	49,390	5,913	1,678	4,236	134,836	30,815	104,021	4,710	1,716	2,993
Zone 1	66,914	28,056	38,858	4,434	*	3,433	89,412	19,496	69,916	3,394	*	2,007
Zone 3	28,843	18,311	10,532	*	*	*	45,424	11,319	34,105	*	*	*
<b>Amhara</b>	1,404,128	859,594	544,535	64,901	34,823	30,078	756,506	344,661	411,845	80,726	33,690	47,036
North Gondar	276,159	164,279	111,880	6,443	5,314	*	186,304	81,369	104,935	14,154	5,116	*
South Gondar	145,471	90,345	55,126	7,343	5,308	*	74,426	34,306	40,120	6,920	2,424	4,496
North Wolo	108,857	62,346	46,512	5,412	*	4,125	66,184	32,368	33,816	4,785	843	3,942
South Wolo	202,909	120,724	82,185	9,166	3,220	5,946	100,758	44,918	55,840	9,526	5,729	3,797
North Shewa	126,486	81,511	44,976	14,192	6,608	7,584	75,885	38,986	36,899	11,923	3,891	8,032
East Gojam	145,483	96,802	48,681	9,325	4,587	4,738	62,094	25,407	36,687	13,193	6,405	6,788
West Gojam	231,848	147,528	84,320	4,334	3,917	*	93,809	47,990	45,819	7,368	2,967	4,402
Waghamera	28,051	16,706	11,345	4,284	2,591	1,693	19,488	7,661	11,827	5,212	2,847	2,365
Awı	101,030	58,513	42,516	3,292	*	1,668	43,848	17,658	26,190	*	*	*
Oromia	34,957	19,262	15,694	1,020	*	697	30,816	13,176	17,640	*	*	*
Argoba Special	2,877	1,578	1,299	90	45	46	2,894	821	2,073	131	69	62
<b>Oromia</b>	2,544,329	1,618,290	926,038	100,727	50,961	49,765	1,317,307	574,884	742,423	246,004	106,902	139,102
West Wellega	101,688	66,875	34,812	3,130	1,165	1,965	73,418	34,927	38,492	3,120	*	1,328
East Wellega	93,299	62,938	30,361	2,968	*	2,427	72,306	32,065	40,242	4,093	1,561	2,531
Illubabor	131,857	80,600	51,257	3,184	1,585	1,599	106,808	50,550	56,258	18,352	8,346	10,005
Jimma	312,748	201,850	110,898	5,753	2,002	3,751	174,127	75,957	98,170	63,140	27,338	35,802
West Shewa	202,425	128,073	74,352	5,590	1,974	3,616	124,503	47,602	76,901	14,077	9,031	5,045
North Shewa	157,006	97,765	59,241	16,670	7,668	9,002	91,583	42,929	48,654	9,484	4,787	4,696
East Shewa	93,055	57,269	35,786	7,638	5,947	1,691	44,861	23,270	21,590	10,313	*	6,311
Arsi	244,973	158,294	86,679	7,400	2,533	4,866	87,133	40,373	46,760	16,279	6,963	9,316
West Harerghe	210,058	141,919	68,139	1,762	*	849	59,321	21,344	37,977	22,186	10,261	11,925
East Harerghe	181,604	111,081	70,523	2,455	1,884	*	53,175	28,968	24,207	24,917	7,239	17,678
Bale	148,873	102,324	46,549	3,945	2,258	1,687	88,115	37,496	50,620	11,771	4,243	7,528
Borena	115,144	69,139	46,005	2,844	2,283	561	48,853	17,028	31,825	12,013	3,914	8,099
South West Shewa	109,774	63,488	46,286	12,123	6,284	5,840	50,881	25,380	25,501	5,907	2,847	3,060
Guji	119,074	72,498	46,576	*	*	3,002	55,264	19,346	35,918	9,215	4,463	4,752
West Arsi	202,295	124,361	77,935	8,296	1,446	6,850	85,356	28,440	56,916	14,775	6,919	7,856
Kelem Wellega	77,773	55,237	22,536	2,352	1,829	*	54,103	27,988	26,115	3,988	2,169	1,819
Horoguduru	42,682	24,578	18,103	1,704	736	968	47,500	21,222	26,278	2,375	1,026	1,349

TABLE 3-20 – a CONT'D

Geographic Area	Number of Sales			Number of Slaughters			Number of Deaths			Offerings		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
<b>Somale</b>	18,881	13,065	5,816	1,214	*	*	17,271	6,715	10,557	1,733	565	1,168
Shinele	1,107	891	216	*	*	-	1,560	508	1,051	*	*	*
Jijiga	11,355	7,254	4,101	*	*	*	8,349	3,939	4,410	1,198	499	699
Liben	6,418	4,920	1,498	*	*	-	7,362	2,267	5,095	*	-	*
<b>Benshangul-Gumuz</b>	47,493	26,880	20,614	4,256	2,401	1,855	58,216	27,671	30,545	1,698	438	1,261
Metekel	34,244	18,649	15,595	3,553	2,003	1,550	35,341	14,534	20,807	1,188	*	1,090
Asosa	7,509	4,478	3,031	*	*	*	16,409	9,996	6,412	*	*	*
Kemeshi	4,379	2,975	1,403	*	*	*	2,836	1,154	1,682	170	170	-
Mao Komo	1,362	778	584	*	*	*	3,631	1,986	1,644	-	-	-
<b>SNNP</b>	270,981	684,103	586,877	101,253	69,584	31,669	803,952	315,974	487,978	211,259	94,623	116,636
Gurage	67,793	33,085	34,707	43,420	29,995	13,426	57,333	19,308	38,025	8,242	3,617	4,625
Hadiya	118,755	65,459	53,296	*	*	*	58,937	22,294	36,642	16,891	8,414	8,477
Kembata Tembaro	53,090	29,014	24,076	*	*	*	20,337	9,415	10,923	6,706	3,074	3,632
Sidama	326,004	113,179	212,825	12,607	7,242	5,365	68,394	27,166	41,228	13,104	5,879	7,224
Gedio	41,031	29,345	11,686	*	*	*	3,815	937	2,878	*	*	*
Wolayita	128,305	76,936	51,369	-	-	-	51,799	22,696	29,103	15,250	7,019	8,231
South Omo	68,002	50,350	17,651	6,355	4,816	*	225,400	84,240	141,160	38,643	*	19,920
Shaka	24,523	15,201	9,321	1,150	*	901	8,781	3,504	5,277	6,906	2,606	4,300
Kaffa	105,484	72,271	33,213	6,102	1,610	4,492	88,092	37,961	50,131	29,841	14,312	15,529
Gamo Gofa	160,118	89,824	70,294	2,664	1,404	*	89,387	32,393	56,994	30,122	12,895	17,227
Bench Maji	38,109	23,921	14,188	1,872	*	1,303	28,062	13,481	14,581	26,242	9,661	16,581
Yem Sp. Wereda	8,969	5,256	3,713	804	419	385	3,329	1,452	1,877	2,203	937	1,266
Dawro	33,626	18,778	14,848	567	*	373	22,332	9,218	13,114	2,272	553	1,719
Basketo Sp. Wereda	5,809	3,066	2,743	246	*	173	5,023	1,861	3,162	3,076	940	2,135
Konta Sp. Wereda	13,868	8,310	5,558	*	*	*	16,217	6,501	9,716	1,372	355	1,016
Silte	38,916	24,522	14,394	*	*	*	26,438	10,276	16,162	3,729	1,671	2,059
Alaba Sp. Wereda	18,520	9,425	9,095	*	*	*	11,561	4,815	6,746	2,715	1,288	1,427
Segen People	20,060	16,161	3,899	980	980	-	18,717	8,455	10,261	3,144	2,064	1,080
<b>Gambela Region</b>	20,266	11,179	9,087	1,081	427	654	40,848	14,508	26,340	9,975	2,722	7,253
Angnuwak	*	*	602	*	-	*	5,084	3,416	1,667	*	*	*
Nuware	10,206	5,406	4,800	448	324	*	33,159	10,451	22,708	8,477	2,277	6,200
Mezhenger	5,703	2,438	3,266	396	*	292	1,789	480	1,309	820	154	666
Itang Special	809	389	419	*	-	*	817	160	657	*	*	*
<b>Harari</b>	6,410	4,319	2,091	*	*	*	4,923	1,788	3,135	1,528	245	1,284
Hundene	6,410	4,319	2,091	*	*	*	4,923	1,788	3,135	1,528	245	1,284
<b>Dire Dawa</b>	3,678	2,249	1,428	*	*	-	2,800	897	1,902	404	*	295

## b. Sheep

Geographic Area	Number of Sales			Number of Slaughters			Number of Deaths			Offerings		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
<b>Ethiopia</b>	6,161,751	3,350,625	2,811,126	2,958,191	2,187,556	770,635	4,939,304	1,591,480	3,347,823	376,164	95,699	280,465
<b>Tigray</b>	272,146	148,421	123,725	249,251	190,277	58,974	230,059	64,811	165,248	8,078	*	*
North West Tigray	29,553	16,526	13,026	11,160	8,760	*	28,603	5,650	22,953	*	*	*
Central Tigray	53,674	29,985	23,688	27,661	18,623	9,038	38,133	10,482	27,652	*	*	-
Eastern Tigray	107,590	56,912	50,678	114,752	89,366	25,386	97,478	30,362	67,116	*	*	*
Southern Tigray	71,030	38,261	32,769	82,797	65,198	17,599	55,598	15,071	40,527	*	*	*
Western Tigray	10,300	6,737	3,562	12,880	8,329	*	10,246	3,246	7,000	*	-	*
<b>Afar</b>	294,308	168,740	125,568	66,941	44,529	22,412	323,956	88,086	235,870	*	2,218	*
Zone 1	175,455	91,363	84,092	45,038	29,561	15,477	201,863	50,018	151,845	*	*	*
Zone 3	118,854	77,377	41,476	21,903	*	6,935	122,093	38,068	84,024	3,663	*	2,175
<b>Amhara</b>	2,399,363	1,266,497	1,132,866	1,728,517	1,248,431	480,086	2,003,469	646,466	1,357,004	124,337	17,092	107,245
North Gonder	268,097	132,071	136,026	160,316	132,288	28,028	192,206	52,897	139,310	-	-	-
South Gonder	256,064	111,630	144,434	167,974	121,677	46,297	168,865	48,915	119,951	*	*	*
North Wolo	214,894	105,299	109,594	179,669	123,460	56,209	123,008	38,673	84,335	22,931	*	20,479
South Wolo	486,879	292,854	194,025	141,196	84,180	57,015	474,586	182,036	292,550	47,922	*	45,221
North Shewa	332,741	171,524	161,217	148,445	119,063	29,381	571,827	188,673	383,153	30,744	7,225	23,518
East Gojam	296,694	137,287	159,407	405,305	278,406	126,899	179,662	35,678	143,983	6,322	*	*
West Gojam	381,407	229,412	151,995	280,342	222,849	57,493	178,939	64,000	114,939	2,334	*	*
Waghamera	24,521	15,105	9,417	18,286	14,674	3,613	31,950	9,031	22,919	*	*	*
Awii	100,755	48,137	52,618	216,770	145,174	71,596	57,744	16,103	41,641	8,960	1,117	7,843
Oromia	36,094	22,624	13,471	10,020	6,486	3,534	23,983	10,133	13,850	1,161	*	*
Argoba Special	1,216	554	662	193	174	*	699	*	373	-	-	-
<b>Oromia</b>	2,341,768	1,304,043	1,037,725	655,898	491,871	164,028	1,569,113	521,324	1,047,790	145,754	48,996	96,758
West Wellega	76,998	33,528	43,470	7,808	5,643	2,165	66,502	22,816	43,685	*	*	*
East Wellega	49,987	27,424	22,563	17,738	15,668	2,069	51,750	19,191	32,559	1,954	*	1,746
Illubabor	93,652	43,625	50,027	24,474	18,101	6,373	92,950	31,136	61,814	4,494	*	4,316
Jimma	237,760	125,202	112,558	41,489	34,258	7,231	163,542	50,471	113,070	21,508	*	20,714
West Shewa	262,762	149,472	113,289	50,419	37,736	12,683	171,387	64,527	106,859	12,574	*	7,878
North Shewa	330,382	212,871	117,510	256,355	164,606	91,749	208,416	60,429	147,987	*	*	19,758
East Shewa	74,597	43,279	31,318	23,245	20,531	2,714	60,151	21,210	38,941	*	*	*
Arsi	389,707	232,700	157,007	56,707	42,829	13,878	161,669	55,237	106,432	9,877	4,033	5,844
West Harerghe	53,519	26,046	27,473	7,841	6,057	1,785	23,083	6,827	16,256	3,349	*	2,858
East Harerghe	91,607	55,570	36,037	28,671	27,355	1,316	38,486	10,864	27,622	11,767	1,822	9,945
Bale	*	*	34,758	13,681	11,561	2,120	54,947	18,205	36,742	*	*	*
Borena	54,775	27,117	27,658	10,835	8,832	*	70,973	18,026	52,947	4,735	*	2,661
South West Shewa	87,895	50,662	37,233	42,872	38,329	4,543	79,006	31,320	47,686	*	*	*
Guji	77,965	37,057	40,908	14,156	10,249	*	92,050	34,900	57,150	3,064	*	*
West Arsi	257,817	131,072	126,745	19,920	17,168	2,752	137,415	42,577	94,837	*	3,069	*
Kelem Wellega	68,809	31,162	37,647	23,067	18,433	4,634	55,489	20,805	34,684	4,594	2,329	2,265
Horoguduru Wellega	48,236	26,713	21,523	16,620	14,515	2,105	41,299	12,781	28,518	*	-	*



TABLE 3-20 – b CONT'D

Geographic Area	Number of Sales			Number of Slaughters			Number of Deaths			Offerings		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
<b>Somale</b>	177,658	133,692	43,966	61,343	49,166	12,177	84,178	30,844	53,334	8,464	*	3,292
Shinele	5,784	3,463	2,321	2,668	2,407	262	4,564	1,860	2,705	385	161	224
Jijiga	144,210	108,074	36,136	31,690	25,576	6,115	38,720	*	24,150	*	*	1,310
Liben	27,665	22,155	5,509	26,985	21,184	5,801	40,893	14,415	26,479	*	*	1,758
<b>Benshangul-Gumuz</b>	16,711	8,817	7,895	10,010	8,622	1,388	31,687	10,620	21,067	*	*	*
Metekel	9,003	4,622	4,381	6,567	5,944	*	13,061	4,734	8,327	*	*	*
Asosa	3,985	2,411	1,574	1,147	951	*	10,976	3,026	7,950	-	-	-
Kemeshi	1,767	906	861	1,975	1,560	415	3,550	1,438	2,113	*	*	-
Mao Komo	1,957	878	1,079	321	166	155	4,100	1,423	2,677	-	-	-
<b>SNNP</b>	642,690	308,938	333,752	177,006	146,355	30,651	677,743	222,800	454,943	71,389	19,093	52,296
Gurage	34,713	14,036	20,677	30,170	26,006	4,164	25,356	9,140	16,216	2,869	*	2,634
Hadiya	44,855	19,178	25,677	7,369	4,758	2,611	37,323	12,025	25,297	3,902	*	3,369
Kembata Tembaro	21,025	11,850	9,174	1,942	1,420	522	10,762	3,881	6,880	3,041	1,048	1,994
Sidama	111,536	33,514	78,022	5,849	5,849	-	28,538	11,775	16,763	*	*	*
Gedio	39,412	17,543	21,870	11,068	10,547	*	14,383	4,347	10,036	*	*	*
Wolayita	37,643	16,728	20,915	*	*	-	26,724	10,151	16,573	4,513	*	3,797
South Omo	55,901	37,664	18,238	31,085	26,718	4,367	195,372	59,943	135,429	22,970	*	14,285
Shaka	14,033	7,959	6,074	12,193	8,621	3,572	11,225	4,511	6,714	*	*	1,838
Kaffa	98,354	60,359	37,996	31,079	24,733	6,345	110,935	35,698	75,238	10,230	1,897	8,332
Gamo Gofa	72,578	36,550	36,028	12,003	9,363	2,640	97,215	29,232	67,983	*	*	*
Bench Maji	24,050	13,872	10,178	12,690	10,778	1,912	26,963	10,721	16,241	4,673	1,108	3,565
Yem Sp. Wereda	6,784	3,027	3,757	651	247	*	5,453	1,485	3,968	1,137	*	1,065
Dawro	19,752	9,816	9,936	322	265	*	19,751	8,729	11,022	*	*	*
Basketo Sp. Wereda	2,181	813	1,368	645	400	246	4,251	1,406	2,845	603	*	*
Konta Sp. Wereda	3,534	1,814	1,720	*	*	-	8,661	3,113	5,548	*	*	*
Silte	34,525	13,359	21,165	11,975	10,251	1,724	26,843	7,923	18,920	2,529	*	2,189
Alaba Sp. Wereda	9,524	4,602	4,922	2,733	2,190	544	6,978	2,129	4,849	1,491	*	1,242
Segen People	12,290	6,255	6,035	4,508	3,485	1,023	21,013	6,590	14,423	1,546	*	*
<b>Gambela Region</b>	7,735	5,015	2,720	4,306	3,571	735	7,297	2,878	4,419	*	324	*
Angnuwak	*	*	*	*	*	*	*	*	*	-	-	-
Nuware	3,703	1,866	*	*	*	*	4,564	1,745	2,819	*	*	*
Mezhenger	2,240	1,650	590	3,163	2,609	554	1,295	399	896	*	*	*
Itang Special	*	*	*	*	*	-	*	*	*	-	-	-
<b>Harari</b>	720	345	374	612	612	-	768	245	522	*	-	*
Hundene	720	345	374	612	612	-	768	245	522	*	-	*
<b>Dire Dawa</b>	8,651	6,117	2,534	4,307	4,123	184	11,033	3,406	7,627	2,108	564	1,544

### c. Goats

Geographic Area	Number of Sales			Number of Slaughters			Number of Deaths			Offerings		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
<b>Ethiopia</b>	4,701,747	2,486,901	2,214,846	1,980,029	1,381,944	598,085	4,573,208	579,017	2,994,192	347,978	102,069	245,909
<b>Tigray</b>	622,183	338,871	283,312	451,988	312,415	139,574	704,029	220,389	483,641	38,389	16,242	22,147
North West	276,415	156,353	120,062	194,707	132,368	62,339	346,258	106,528	239,730	*	10,578	*
Central	160,268	88,298	71,970	89,979	66,197	23,782	152,524	47,007	105,518	4,355	*	*
Eastern	43,896	26,082	17,814	36,132	25,597	10,535	32,919	11,124	21,795	*	*	*
Southern	79,636	34,515	45,121	74,047	48,893	25,154	89,595	29,562	60,033	*	*	*
Western	61,969	33,623	28,345	57,124	39,360	17,763	82,733	26,169	56,564	4,439	*	2,440
<b>Afar</b>	517,231	269,465	247,766	95,869	63,632	32,237	525,671	124,673	400,998	44,063	7,521	36,542
Zone 1	355,633	158,230	197,403	67,308	45,469	21,840	365,442	81,755	283,687	33,794	3,984	29,810
Zone 3	161,599	111,235	50,364	28,561	18,163	10,397	160,229	42,918	117,312	10,270	3,537	6,733
<b>Amhara</b>	1,214,125	614,958	599,167	793,477	543,438	250,039	1,077,160	419,388	657,772	57,401	12,767	44,634
North Gonder	311,090	169,395	141,695	172,587	139,953	32,635	258,743	101,431	157,312	3,318	*	2,314
South Gonder	104,610	53,693	50,917	89,871	57,683	32,187	64,194	23,334	40,861	-	-	-
North Wolo	125,866	57,327	68,539	127,879	82,082	45,796	104,605	40,921	63,683	7,925	*	6,927
South Wolo	182,370	83,908	98,462	83,156	43,890	39,266	91,384	40,622	50,762	16,879	*	14,418
North Shewa	106,579	63,501	43,079	72,789	51,703	21,085	241,300	97,904	143,396	12,235	3,798	8,437
East Gojam	121,283	49,905	71,379	102,789	66,307	36,482	134,720	49,837	84,883	*	*	*
West Gojam	79,469	43,672	35,797	35,949	25,933	10,017	51,863	17,770	34,093	-	-	-
Waghamera	90,651	46,067	44,584	44,736	32,979	11,757	64,092	20,606	43,486	*	*	*
Awi	23,835	13,440	10,395	43,384	29,690	13,694	36,097	13,778	22,319	*	*	*
Oromia Argoba	58,880	29,566	29,315	19,201	12,513	6,688	27,464	12,019	15,445	*	-	*
Special	9,492	4,485	5,007	1,137	705	432	2,697	1,167	1,531	349	136	212
<b>Oromia</b>	1,611,113	842,604	768,509	361,530	250,492	111,038	1,249,055	444,222	804,833	122,212	34,140	88,072
West Wellega	38,751	14,107	24,643	8,073	3,824	*	55,559	18,097	37,462	*	-	*
East Wellega	22,577	10,650	11,927	10,626	6,525	4,101	25,600	10,272	15,328	*	-	*
Illubabor	50,062	21,353	28,709	11,746	6,846	4,899	48,895	18,761	30,135	5,143	736	4,406
Jimma	83,163	41,911	41,252	15,883	10,426	5,458	70,967	26,335	44,633	13,686	*	11,504
West Shewa	79,315	43,027	36,288	26,019	19,522	6,497	62,281	27,571	34,710	7,437	*	*
North Shewa	61,066	31,650	29,417	52,453	35,251	17,201	41,486	16,802	24,684	*	*	*
East Shewa	117,705	66,778	50,927	26,226	19,848	6,378	70,559	21,498	49,061	4,966	*	3,084
Arsi	145,838	80,653	65,185	17,415	11,538	5,877	93,186	32,761	60,425	7,335	*	5,353
West Harerghe	270,727	131,895	138,832	23,578	16,937	6,641	109,636	39,585	70,051	18,432	5,713	12,719
East Harerghe	177,539	91,018	86,521	32,598	27,517	5,081	118,715	40,045	78,670	25,054	8,171	16,883
Bale	133,300	89,375	43,925	20,433	13,513	6,919	124,145	47,411	76,734	4,685	1,310	3,375
Borena	157,237	85,534	71,702	30,369	21,225	9,144	154,436	46,723	107,713	15,686	5,211	10,475
South West Shewa	52,827	23,693	29,134	22,155	17,589	4,566	58,987	24,282	34,706	3,907	*	3,134
Guji	71,740	38,850	32,890	15,999	11,569	4,430	79,020	25,773	53,247	*	*	2,324
West Arsi	92,565	43,443	49,122	11,189	6,041	5,148	60,702	20,320	40,383	*	*	3,100
Kelem Wellega	30,631	13,369	17,261	22,804	12,999	*	42,714	13,967	28,746	*	*	*
Horoguduru w.	26,072	15,299	10,773	13,966	9,323	4,642	32,165	14,020	18,146	537	*	439

TABLE 3-20 – c CONT'D

Geographic Area	Number of Sales			Number of Slaughters			Number of Deaths			Offerings		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
<b>Somale</b>	216,742	155,052	61,690	79,627	63,912	15,716	167,033	56,338	110,695	16,036	8,422	7,613
Shinele	23,433	14,679	8,753	5,320	3,997	1,323	18,991	5,790	13,201	2,758	952	1,807
Jijiga	115,412	88,737	26,675	21,271	16,591	4,680	43,883	15,757	28,126	2,843	*	*
Liben	77,897	51,635	26,262	53,036	43,323	9,713	104,159	34,791	69,368	10,434	*	3,533
<b>Benshangul-Gumuz</b>	78,457	39,082	39,376	43,646	28,205	15,441	210,466	73,297	137,169	2,012	561	1,452
Metekel	37,698	18,183	19,514	19,244	13,455	5,789	59,447	21,605	37,842	*	*	*
Asosa	27,327	14,731	12,596	18,440	11,046	*	120,608	40,688	79,920	584	*	*
Kemeshi	10,036	4,792	5,244	5,376	3,263	2,112	18,070	6,516	11,554	698	*	*
Mao Komo	3,397	1,375	2,022	586	441	146	12,340	4,487	7,853	*	*	*
<b>SNNP</b>	402,792	204,491	198,301	141,106	109,176	31,930	589,947	225,348	364,600	60,381	20,301	40,080
Gurage	24,807	7,805	17,002	8,074	7,022	*	17,383	6,236	11,147	*	*	*
Hadiya	29,457	10,966	18,491	10,502	6,620	3,882	24,561	8,698	15,862	*	*	*
Kembata Tembaro	9,229	3,062	6,167	943	538	*	5,999	*	4,270	*	*	*
Sidama	56,448	18,788	37,660	4,243	3,327	*	10,043	5,722	*	-	-	-
Gedio	1,053	*	*	*	*	-	*	*	*	-	-	-
Wolayita	19,767	7,869	11,898	*	*	*	10,370	3,376	6,993	*	*	1,151
South Omo	122,839	87,299	35,540	72,148	60,553	11,595	351,872	137,909	213,963	36,340	*	21,199
Shaka	2,044	942	1,103	3,483	2,229	*	2,315	1,265	1,050	*	*	*
Kaffa	33,382	17,568	15,814	14,676	9,507	5,169	44,374	15,540	28,835	5,922	*	4,660
Gamo Gofa	34,049	14,063	19,987	4,306	2,389	*	34,293	13,190	21,103	3,071	*	2,454
Bench Maji	8,193	4,956	3,237	5,300	4,153	1,147	7,087	2,506	4,582	2,460	*	1,753
Yem Sp. Wereda	4,882	2,198	2,683	549	391	*	4,694	2,082	2,612	1,277	*	1,207
Dawro	6,394	3,230	3,164	1,054	830	*	9,004	4,481	4,523	*	*	*
Basketo Sp. Wereda	1,540	692	848	848	419	*	3,565	1,055	2,511	*	*	*
Konta Sp. Wereda	1,405	*	*	*	*	*	5,268	2,180	3,088	*	*	-
Silte	21,168	9,011	12,157	5,641	4,939	702	12,669	2,505	10,163	*	-	*
Alaba Sp. Wereda	7,805	3,499	4,307	2,073	1,693	*	7,158	2,354	4,804	893	-	893
Segen People	18,332	10,992	7,339	6,002	3,888	2,114	38,326	13,843	24,482	*	*	*
<b>Gambela Region</b>	7,255	3,755	3,500	1,953	1,205	747	16,828	6,995	9,833	1,380	473	907
Angnuwak	1,832	942	890	*	*	*	6,038	2,582	3,456	*	*	*
Nuware	3,726	2,102	1,624	346	236	*	10,096	4,123	5,973	1,016	220	796
Mezhenger	1,211	473	738	765	388	*	258	*	142	-	-	-
Itang Special	*	238	*	*	-	*	436	174	263	-	-	-
<b>Harari</b>	5,969	3,384	2,585	5,232	4,572	659	7,121	2,248	4,873	1,422	302	1,120
Hundene	5,969	3,384	2,585	5,232	4,572	659	7,121	2,248	4,873	1,422	302	1,120
<b>Dire Dawa</b>	25,878	15,238	10,640	5,601	4,896	705	25,897	6,119	19,778	4,681	1,340	3,341

#### d. Horses

Geographic Area	Number of Sales			Number of Deaths			Offerings		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
<b>Ethiopia</b>	141,612	87,949	53,663	165,762	82,195	83,567	13,265	2,951	10,313
<b>Tigray</b>	*	*	*	*	*	*	-	-	-
North West Tigray	*	*	*	-	-	-	-	-	-
Central Tigray	-	-	-	-	-	-	-	-	-
Eastern Tigray	-	-	-	-	-	-	-	-	-
Southern Tigray	*	*	-	*	-	*	-	-	-
Western Tigray	-	-	-	*	*	-	-	-	-
<b>Afar</b>	*	*	*	*	-	*	-	-	-
Zone 1	*	*	*	-	-	-	-	-	-
Zone 3	*	*	*	*	-	*	-	-	-
<b>Amhara</b>	30,251	19,345	10,906	43,639	18,109	25,530	2,750	*	2,070
North Gondar	5,066	3,511	*	*	*	*	-	-	-
South Gondar	*	*	*	*	*	*	-	-	-
North Wolo	*	*	*	*	*	*	*	*	*
South Wolo	4,999	4,152	*	8,420	2,652	*	*	*	*
North Shewa	4,692	2,263	2,429	6,525	3,210	3,315	*	-	*
East Gojam	3,073	2,267	*	8,830	2,814	6,017	-	-	-
West Gojam	*	*	*	*	*	*	-	-	-
Waghamera	*	*	*	*	*	*	-	-	-
Awi	3,093	1,615	*	7,993	4,618	3,375	*	-	*
Oromia	-	-	-	-	-	-	-	-	-
Argoba Special	*	*	*	*	-	*	-	-	-
<b>Oromia</b>	86,796	55,320	31,476	93,142	47,225	45,917	8,611	1,964	6,647
West Wellega	*	*	*	*	*	*	-	-	-
East Wellega	*	*	*	*	*	*	-	-	-
Illubabor	3,611	2,182	1,429	8,518	4,761	3,757	*	-	*
Jimma	*	*	2,478	10,901	7,478	3,424	*	*	*
West Shewa	10,724	6,708	4,015	13,493	6,000	7,493	*	*	-
North Shewa	8,542	3,572	4,970	6,039	1,534	4,504	*	*	*
East Shewa	2,607	2,244	*	2,377	1,699	*	*	*	-
Arsi	17,959	11,420	6,539	10,028	4,276	5,752	*	-	*
West Harerghe	*	-	*	*	*	-	*	-	*
East Harerghe	*	*	*	*	*	*	-	-	-
Bale	4,795	3,877	918	4,798	3,015	1,783	*	*	*
Borena	*	*	*	-	-	-	-	-	-
South West Shewa	5,643	5,148	*	5,816	4,723	*	*	-	*
Guji	6,959	3,965	2,994	11,475	4,960	6,515	-	-	-
West Arsi	14,506	9,687	4,819	11,202	4,866	6,335	*	-	*
Kelem Wellega	*	*	-	755	*	*	-	-	-
Horoguduru Wellega	1,401	823	578	3,829	1,329	2,499	*	*	*

TABLE 3-20 – d CONT'D

Geographic Area	Number of Sales			Number of Deaths			Offerings		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
<b>Somale</b>	*	*	*	*	*	-	-	-	-
Shinele	-	-	-	-	-	-	-	-	-
Jijiga	*	*	*	*	*	-	-	-	-
Liben	-	-	-	-	-	-	-	-	-
<b>Benshangul-Cumuz</b>	*	*	*	*	-	*	-	-	-
Metekel	-	-	-	*	-	*	-	-	-
Asosa	*	*	-	*	-	*	-	-	-
Kemeshi	*	-	*	-	-	-	-	-	-
Mao Komo	*	*	-	-	-	-	-	-	-
<b>SNNP</b>	21,317	11,970	9,347	27,513	16,250	11,262	1,904	*	1,596
Gurage	1,424	*	*	*	*	-	-	-	-
Hadiya	3,249	1,562	1,687	2,554	1,766	*	*	-	*
Kembata Tembaro	*	*	*	*	*	*	-	-	-
Sidama	*	-	*	*	*	-	-	-	-
Gedio	1,729	*	*	*	*	*	-	-	-
Wolayita	-	-	-	*	*	*	-	-	-
South Omo	*	*	*	*	1,010	*	-	-	-
Shaka	*	*	-	559	*	*	*	*	*
Kaffa	6,450	4,584	1,866	8,889	4,695	4,195	*	*	*
Gamo Gofa	*	*	*	4,525	1,755	*	*	-	*
Bench Maji	987	677	*	1,386	684	702	-	-	-
Yem Sp. Wereda	*	*	*	-	-	-	-	-	-
Dawro	374	*	*	937	513	424	*	-	*
Basketo Sp. Wereda	-	-	-	*	*	-	-	-	-
Konta Sp. Wereda	*	*	*	*	*	*	-	-	-
Silte	*	*	*	*	*	*	-	-	-
Alaba Sp. Wereda	*	*	*	*	*	*	-	-	-
Segen People	*	*	*	*	*	*	-	-	-
<b>Gambela Region</b>	*	*	-	*	*	-	-	-	-
Angnuwak	-	-	-	-	-	-	-	-	-
Nuware	-	-	-	-	-	-	-	-	-
Mezhenger	*	*	-	*	*	-	-	-	-
Itang Special	-	-	-	-	-	-	-	-	-
<b>Harari</b>	*	*	-	-	-	-	-	-	-
Hundene	*	*	-	-	-	-	-	-	-
<b>Dire Dawa</b>	-	-	-	-	-	-	-	-	-

## e. Donkeys

Geographic Area	Number of Sales			Number of Deaths			Offerings		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
<b>Ethiopia</b>	579,431	314,923	264,508	433,658	199,286	234,372	22,484	8,515	13,969
<b>Tigray</b>	33,775	22,108	11,667	33,712	16,437	17,275	*	*	*
North West Tigray	8,330	5,696	2,634	14,309	5,995	8,314	-	-	-
Central Tigray	5,017	3,167	1,851	6,108	2,402	3,707	-	-	-
Eastern Tigray	6,417	4,667	1,750	4,579	3,197	1,382	*	-	*
Southern Tigray	11,723	7,450	4,273	5,331	*	3,115	*	*	-
Western Tigray	2,288	1,129	1,159	3,385	2,628	757	-	-	-
<b>Afar</b>	1,463	*	*	14,255	4,820	9,435	*	-	*
Zone 1	*	*	*	13,873	4,820	9,053	*	-	*
Zone 3	*	*	*	*	-	*	-	-	-
<b>Amhara</b>	163,907	87,778	76,130	170,761	74,157	96,604	6,350	2,426	3,924
North Gonder	26,615	14,703	11,912	22,147	11,326	10,822	-	-	-
South Gonder	17,685	9,712	7,972	16,660	4,999	11,661	1,669	*	*
North Wolo	14,172	5,482	8,691	12,194	4,883	7,312	*	-	*
South Wolo	26,622	12,379	14,243	26,322	10,444	15,878	*	*	*
North Shewa	18,554	11,697	6,857	29,434	13,500	15,934	*	-	*
East Gojam	30,691	17,661	13,030	30,234	13,650	16,583	*	*	*
West Gojam	15,001	7,232	7,770	19,348	6,764	12,584	-	-	-
Waghamera	5,645	2,733	2,912	4,105	2,320	1,785	*	*	*
Awi	4,997	4,132	865	7,514	5,515	1,999	-	-	-
Oromia	3,681	1,918	1,763	2,650	722	1,928	*	-	*
Argoba Special	244	129	114	152	35	117	-	-	-
<b>Oromia</b>	154,144	86,497	67,647	166,191	79,356	86,835	12,098	4,994	7,104
West Wellega	9,498	5,404	4,094	9,191	4,515	4,675	-	-	-
East Wellega	6,631	5,067	1,564	5,222	2,949	2,273	*	*	-
Illubabor	2,168	1,822	*	4,444	1,962	2,482	*	*	*
Jimma	10,098	7,431	*	9,454	4,941	4,513	*	*	*
West Shewa	9,232	3,740	5,492	10,463	5,908	4,555	*	*	*
North Shewa	18,423	8,190	10,233	16,362	4,460	11,902	*	*	*
East Shewa	11,866	6,018	5,847	15,079	8,220	6,859	*	-	*
Arsi	23,061	12,331	10,730	16,459	4,447	12,012	*	*	*
West Harerghe	11,147	6,773	4,375	13,178	6,338	6,840	1,261	*	*
East Harerghe	8,774	4,213	4,561	16,718	9,705	7,014	2,037	*	*
Bale	7,227	4,973	2,253	12,481	5,973	6,509	-	-	-
Borena	*	*	*	1,405	*	*	-	-	-
South West Shewa	8,634	4,915	3,719	9,735	6,067	3,667	*	-	*
Guji	2,804	*	*	3,576	*	1,865	*	-	*
West Arsi	13,673	7,242	6,431	10,177	5,203	4,974	-	-	-
Kelem Wellega	6,866	4,813	2,053	6,970	4,027	2,943	-	-	-
Horoguduru Wellega	3,064	972	2,092	5,278	2,160	3,119	-	-	-

TABLE 3-20 – e CONT'D

Geographic Area	Number of Sales			Number of Deaths			Offerings		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
<b>Somale</b>	*	*	*	2,716	1,812	904	*	-	*
Shinele	*	*	*	*	*	*	*	-	*
Jijiga									
Liben	*	*	-	1,270	817	453	*	-	*
	-	-	-	917	672	*	*	-	*
<b>Benshangul-Gumuz</b>									
Metekel	5,074	3,837	1,237	13,163	8,256	4,907	-	-	-
Asosa	2,308	1,940	*	3,767	2,656	1,110	-	-	-
Kemeshi	1,465	658	*	6,489	3,014	3,474	-	-	-
Mao Komo	1,210	1,181	*	2,024	1,909	*	-	-	-
	91	*	*	884	676	208	-	-	-
<b>SNNP</b>									
Gurage	*	*	*	31,572	13,675	17,897	2,659	*	1,999
Hadiya	2,592	*	1,452	4,739	2,544	2,195	*	*	*
Kembata Tembaro	6,423	2,855	3,568	4,664	*	3,430	*	-	*
Sidama	3,446	3,305	*	934	*	*	*	*	-
Gedio	2,381	*	*	*	*	-	-	-	-
Wolayita	-	-	-	*	*	-	-	-	-
South Omo	5,251	4,561	*	1,410	979	*	*	*	-
Shaka	*	*	*	*	*	3,045	-	-	-
Kaffa	322	*	*	*	*	-	-	-	-
Gamo Gofa	*	*	-	*	*	*	-	-	-
Bench Maji	4,562	2,141	2,420	*	-	*	-	-	-
Yem Sp. Wereda	*	*	*	*	*	-	-	-	-
Dawro	158	158	-	156	*	*	*	*	*
Basketo Sp. Wereda	*	*	-	*	*	-	*	-	*
Konta Sp. Wereda	221	221	-	*	*	-	-	-	-
Silte	*	*	-	*	*	*	-	-	-
Alaba Sp. Wereda	*	*	*	1,417	*	1,227	*	-	*
Segen People	2,431	880	1,550	1,540	344	1,196	*	-	*
	480	*	*	662	662	-	-	-	-
<b>Gambela Region</b>									
Angnuwak	*	*	-	*	*	-	-	-	-
Nuware	*	*	-	*	*	-	-	-	-
Mezhenger	-	-	-	-	-	-	-	-	-
Itang Special	-	-	-	*	*	-	-	-	-
	-	-	-	-	-	-	-	-	-
<b>Harari</b>									
Hundene	*	*	*	646	481	*	-	-	-
	*	*	*	646	481	*	-	-	-
<b>Dire Dawa</b>	353	247	*	511	160	351	*	*	*

## f. Mules

Geographic Area	Number of Sales			Number of Deaths			Offerings		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
<b>Ethiopia</b>	34,248	17,650	16,598	38,934	13,058	*	1,461	*	*
<b>Tigray</b>	*	*	*	*	*	*	-	-	-
North West Tigray	-	-	-	-	-	-	-	-	-
Central Tigray	-	-	-	-	-	-	-	-	-
Eastern Tigray	-	-	-	-	-	-	-	-	-
Southern Tigray	*	*	*	*	*	*	-	-	-
Western Tigray	-	-	-	*	*	-	-	-	-
<b>Afar</b>	-	-	-	*	*	*	-	-	-
Zone 1	-	-	-	*	*	*	-	-	-
Zone 3	-	-	-	-	-	-	-	-	-
<b>Amhara</b>	14,973	7,683	7,291	7,202	1,685	5,517	*	*	-
North Gondar	*	*	-	-	-	-	-	-	-
South Gondar	*	*	*	*	*	-	-	-	-
North Wolo	1,790	*	*	-	-	-	-	-	-
South Wolo	2,626	*	*	*	*	*	*	*	-
North Shewa	*	*	*	*	*	-	-	-	-
East Gojam	*	*	*	*	-	*	-	-	-
West Gojam	3,482	*	*	*	-	*	-	-	-
Waghamera	*	*	*	*	-	*	-	-	-
Awi	1,605	*	*	*	-	*	-	-	-
Oromia	-	-	-	-	-	-	-	-	-
Argoba Special	-	-	-	-	-	-	-	-	-
<b>Oromia</b>	12,493	6,275	6,218	11,324	6,304	5,019	*	*	*
West Wellega	-	-	-	*	*	-	-	-	-
East Wellega	*	*	*	*	*	*	*	-	*
Illubabor	*	-	*	*	-	*	*	-	*
Jimma	2,704	*	*	*	*	-	-	-	-
West Shewa	*	*	*	*	-	*	-	-	-
North Shewa	*	*	*	*	-	*	-	-	-
East Shewa	*	*	*	*	*	-	*	*	-
Arsi	1,905	*	*	*	*	*	-	-	-
West Harerghe	*	*	-	*	*	-	-	-	-
East Harerghe	*	*	-	-	-	-	-	-	-
Bale	*	*	*	*	-	*	-	-	-
Borena	*	*	*	-	-	-	-	-	-
South West Shewa	*	*	*	*	-	*	-	-	-
Guji	*	*	-	-	-	-	-	-	-
West Arsi	-	-	-	*	*	*	-	-	-
Kelem Wellega	*	*	*	710	*	*	-	-	-
Horoguduru Wellega	*	*	*	*	*	*	-	-	-



TABLE 3-20 – f CONT'D

Geographic Area	Number of Sales			Number of Deaths			Offerings		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
<b>Somale</b>	-	-	-	*	*	-	-	-	-
Shinele	-	-	-	*	*	-	-	-	-
Jijiga	-	-	-	-	-	-	-	-	-
Liben	-	-	-	-	-	-	-	-	-
<b>Benshangul-Gumuz</b>	755	*	*	336	*	*	*	-	*
Metekel	672	*	*	*	*	*	*	-	*
Asosa	*	-	*	*	-	*	-	-	-
Kemeshi	-	-	-	*	-	*	-	-	-
Mao Komo	-	-	-	-	-	-	-	-	-
<b>SNNP</b>	4,798	2,488	2,310	3,742	1,989	1,754	*	-	*
Gurage	*	*	*	-	-	-	-	-	-
Hadiya	*	*	*	-	-	-	-	-	-
Kembata Tembaro	-	-	-	*	*	-	-	-	-
Sidama	-	-	-	-	-	-	-	-	-
Gedio	*	*	-	*	-	*	-	-	-
Wolayita	*	*	*	-	-	-	-	-	-
South Omo	-	-	-	*	*	*	-	-	-
Shaka	*	*	-	-	-	-	-	-	-
Kaffa	*	*	*	1,368	953	*	*	-	*
Gamo Gofa	*	-	*	*	-	*	-	-	-
Bench Maji	-	-	-	*	*	*	-	-	-
Yem Sp. Wereda	-	-	-	*	-	*	-	-	-
Dawro	*	*	*	471	471	-	-	-	-
Basketo Sp. Wereda	-	-	-	-	-	-	-	-	-
Konta Sp. Wereda	*	*	-	*	*	*	-	-	-
Silte	*	*	*	*	-	*	-	-	-
Alaba Sp. Wereda	-	-	-	-	-	-	-	-	-
Segen People	*	-	*	-	-	-	-	-	-
<b>Gambela Region</b>	-	-	-	-	-	-	-	-	-
Angnuwak	-	-	-	-	-	-	-	-	-
Nuware	-	-	-	-	-	-	-	-	-
Mezhenger	-	-	-	-	-	-	-	-	-
Itang Special	-	-	-	-	-	-	-	-	-
<b>Harari</b>	-	-	-	-	-	-	-	-	-
Hundene	-	-	-	-	-	-	-	-	-
<b>Dire Dawa</b>	-	-	-	-	-	-	-	-	-

# g. Camels

Geographic Area	Number of Sales			Number of Slaughters			Number of Deaths			Offerings		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
<b>Ethiopia</b>	39,958	32,091	7,867	2,082	1,172	910	50,166	18,921	31,246	3,615	2,914	702
<b>Tigray</b>	*	*	*	-	-	-	*	*	*	*	*	-
North West Tigray	*	*	-	-	-	-	-	-	-	*	*	-
Central Tigray	-	-	-	-	-	-	-	-	-	*	*	-
Eastern Tigray	-	-	-	-	-	-	*	-	*	-	-	-
Southern Tigray	*	*	*	-	-	-	*	*	*	-	-	-
Western Tigray	*	*	-	-	-	-	440	*	*	-	-	-
<b>Afar</b>	9,779	7,011	2,768	581	*	*	22,664	6,977	15,687	*	*	*
Zone 1	*	*	1,161	*	*	-	*	*	*	*	*	*
Zone 3	*	*	*	*	*	*	6,350	1,522	4,828	*	*	*
<b>Amhara</b>	6,160	6,160	-	*	*	-	1,893	1,893	-	*	*	-
North Gonder	-	-	-	-	-	-	-	-	-	-	-	-
South Gonder	-	-	-	*	*	-	-	-	-	-	-	-
North Wolo	*	*	-	-	-	-	*	*	-	*	*	-
South Wolo	*	*	-	-	-	-	*	*	-	-	-	-
North Shewa	*	*	-	-	-	-	*	*	-	-	-	-
East Gojam	-	-	-	-	-	-	-	-	-	-	-	-
West Gojam	-	-	-	-	-	-	-	-	-	*	*	-
Waghamera	-	-	-	-	-	-	-	-	-	-	-	-
Awi	-	-	-	-	-	-	-	-	-	-	-	-
Oromia	1,215	1,215	-	-	-	-	*	*	-	*	*	-
Argoba special	-	-	-	-	-	-	*	*	-	-	-	-
<b>Oromia</b>	9,718	7,625	2,093	-	-	-	18,416	7,019	11,397	*	*	*
West Wellega	-	-	-	-	-	-	-	-	-	-	-	-
East Wellega	-	-	-	-	-	-	-	-	-	-	-	-
Illubabor	-	-	-	-	-	-	-	-	-	-	-	-
Jimma	-	-	-	-	-	-	-	-	-	-	-	-
West Shewa	-	-	-	-	-	-	-	-	-	-	-	-
North Shewa	-	-	-	-	-	-	-	-	-	-	-	-
East Shewa	*	*	*	-	-	-	*	*	*	-	-	-
Arsi	*	*	-	-	-	-	*	-	*	-	-	-
West Harerghe	*	*	-	-	-	-	*	*	*	-	-	-
East Harerghe	*	*	*	-	-	-	*	*	*	*	*	-
Bale	*	*	-	-	-	-	*	*	*	*	-	*
Borena	*	*	*	-	-	-	*	*	3,383	-	-	-
South West Shewa	-	-	-	-	-	-	-	-	-	-	-	-
Guji	*	*	-	-	-	-	*	*	*	-	-	-
West Arsi	-	-	-	-	-	-	-	-	-	-	-	-
Kelem Wellega	-	-	-	-	-	-	-	-	-	-	-	-
Horoguduru Wellega	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 3-20 – g CONT'D

Geographic Area	Number of Sales			Number of Slaughters			Number of Deaths			Offerings		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
<b>Somale</b>	6,429	5,526	*	*	*	*	3,381	939	2,442	*	-	*
Shinele	161	124	*	-	-	-	876	355	522	-	-	-
Jijiga	874	*	*	-	-	-	*	*	*	-	-	-
Liben	5,393	4,761	*	*	*	*	2,268	478	1,790	*	-	*
<b>Benshangul-Gumuz</b>	-	-	-	*	*	-	-	-	-	-	-	-
Metekel	-	-	-	-	-	-	-	-	-	-	-	-
Asosa	-	-	-	*	*	-	-	-	-	-	-	-
Kemeshi	-	-	-	-	-	-	-	-	-	-	-	-
Mao Komo	-	-	-	*	*	-	-	-	-	-	-	-
<b>SNNP</b>	*	*	-	*	-	*	-	-	-	-	-	-
Gurage	-	-	-	-	-	-	-	-	-	-	-	-
Hadiya	-	-	-	-	-	-	-	-	-	-	-	-
Kembata Tembaro	-	-	-	-	-	-	-	-	-	-	-	-
Sidama	-	-	-	-	-	-	-	-	-	-	-	-
Gedio	-	-	-	-	-	-	-	-	-	-	-	-
Wolayita	-	-	-	-	-	-	-	-	-	-	-	-
South Omo	-	-	-	*	-	*	-	-	-	-	-	-
Shaka	-	-	-	-	-	-	-	-	-	-	-	-
Kaffa	-	-	-	-	-	-	-	-	-	-	-	-
Gamo Gofa	-	-	-	-	-	-	-	-	-	-	-	-
Bench Maji	-	-	-	-	-	-	-	-	-	-	-	-
Yem Sp. Wereda	-	-	-	-	-	-	-	-	-	-	-	-
Dawro	-	-	-	-	-	-	-	-	-	-	-	-
Basketo Sp. Wereda	-	-	-	-	-	-	-	-	-	-	-	-
Konta Sp. Wereda	-	-	-	-	-	-	-	-	-	-	-	-
Silte	-	-	-	-	-	-	-	-	-	-	-	-
Alaba Sp. Wereda	-	-	-	-	-	-	-	-	-	-	-	-
Segen People	*	*	-	-	-	-	-	-	-	-	-	-
<b>Gambela Region</b>	-	-	-	-	-	-	-	-	-	-	-	-
Angnuwak	-	-	-	-	-	-	-	-	-	-	-	-
Nuware	-	-	-	-	-	-	-	-	-	-	-	-
Mezhenger	-	-	-	-	-	-	-	-	-	-	-	-
Itang Special	-	-	-	-	-	-	-	-	-	-	-	-
<b>Harari</b>	*	-	*	*	-	*	788	*	*	-	-	-
Hundene	*	-	*	*	-	*	788	*	*	-	-	-
<b>Dire Dawa</b>	*	*	*	-	-	-	522	181	341	-	-	-

## h. Poultry

Geographic Area	Total Number of Sales	Total Number of Slaughters	Total Number of Deaths	Offerings
<b>Ethiopia</b>	13,568,376	14,248,999	56,175,771	603,407
<b>Tigray</b>	1,526,443	3,161,094	5,643,187	89,617
North West Tigray	399,400	1,211,287	2,385,678	28,123
Central Tigray	456,297	742,955	1,076,987	11,513
Eastern Tigray	253,446	368,018	664,700	*
Southern Tigray	329,073	490,965	741,169	18,265
Western Tigray	88,226	347,870	774,654	4,135
<b>Afar</b>	*	*	38,109	*
Zone 1	*	*	*	*
Zone 3	1,900	*	22,996	*
<b>Amhara</b>	5,453,931	6,419,528	18,258,380	146,728
North Gonder	1,263,554	2,227,679	6,197,868	38,751
South Gonder	614,331	751,433	1,560,286	*
North Wolo	457,472	427,431	938,218	11,609
South Wolo	705,873	376,934	965,312	*
North Shewa	546,253	799,952	2,092,586	27,470
East Gojam	537,892	248,176	1,263,358	*
West Gojam	790,120	1,091,854	3,136,492	15,599
Waghamera	117,310	105,991	249,085	4,259
Awi	305,202	329,717	1,499,183	10,950
Oromia	105,392	54,758	324,590	1,595
Argoba Special	10,531	5,601	31,403	316
<b>Oromia</b>	4,504,974	3,236,988	19,458,591	220,142
West Wellega	286,889	251,765	1,848,472	7,978
East Wellega	164,378	188,525	785,498	4,919
Illubabor	201,312	207,155	1,078,518	12,167
Jimma	327,977	180,590	1,637,931	38,563
West Shewa	392,837	412,700	1,631,722	13,999
North Shewa	246,075	107,353	666,863	6,051
East Shewa	396,289	232,920	1,355,133	12,070
Arsi	565,684	434,812	1,921,300	19,129
West Harerghe	339,845	223,936	1,653,654	31,801
East Harerghe	251,358	63,070	1,419,509	20,820
Bale	155,944	69,755	513,050	10,567
Borena	102,088	92,631	406,566	4,727
South West Shewa	228,812	194,821	1,061,501	3,482
Guji	170,467	91,129	736,663	8,833
West Arsi	375,741	*	952,211	6,833
Kelem Wellega	179,595	231,840	1,261,723	14,735
Horoguduru Wellega	119,684	155,525	528,276	3,468

TABLE 3-20 – h CONT'D

Geographic Area	Total Number of Sales	Total Number of Slaughters	Total Number of Deaths	Offerings
<b>Somale</b>	9,455	5,895	91,117	1,264
Shinele	*	*	*	*
Jijiga	*	-	*	-
Liben	8,133	5,845	86,212	1,129
<b>Benshangul-Gumuz</b>	225,756	309,688	1,488,579	6,911
Metekel	107,755	177,750	725,724	1,562
Asosa	85,554	100,455	515,669	*
Kemeshi	22,578	23,068	151,802	1,365
Mao Komo	9,869	8,416	95,383	504
<b>SNNP</b>	1,769,962	1,065,073	10,730,298	127,278
Gurage	82,413	67,083	336,446	*
Hadiya	204,205	101,772	1,155,039	6,119
Kembata Tembaro	61,323	27,192	364,177	6,223
Sidama	433,048	247,025	1,186,518	8,440
Gedio	93,996	87,469	295,210	5,892
Wolayita	163,628	16,270	786,296	18,467
South Omo	103,998	94,846	934,764	25,026
Shaka	24,442	52,900	360,818	5,278
Kaffa	146,016	138,807	1,975,249	10,235
Gamo Gofa	157,986	48,142	1,153,905	9,224
Bench Maji	86,000	93,893	775,374	12,122
Yem Sp. Wereda	13,279	2,719	47,125	2,065
Dawro	20,464	7,303	188,531	1,932
Basketo Sp. Wereda	4,370	4,694	49,221	319
Konta Sp. Wereda	6,518	3,479	107,777	873
Silte	80,210	38,817	485,054	3,839
Alaba Sp. Wereda	36,152	12,110	204,582	4,554
Segen People	51,916	20,551	324,213	5,672
<b>Gambela Region</b>	54,171	40,359	338,727	5,565
Angnuwak	25,299	23,936	204,961	2,908
Nuware	12,117	1,334	24,908	*
Mezhenger	5,685	13,041	86,593	*
Itang Special	11,071	2,048	22,265	716
<b>Harari</b>	8,644	1,492	54,741	1,502
Hundene	8,644	1,492	54,741	1,502
<b>Dire Dawa</b>	8,061	798	74,042	1,750

TABLE 3-21: NUMBER OF DAIRY ANIMALS, MILK PRODUCTION, AND LACTATION PERIOD BY ZONE AND REGION

Geographic Area	Number of Dairy Cows	Number of Milking Cows	Average Daily Milk Prod.	Average Lactation Period (Months)	Total Milk Production (Lt)	Number of Dairy Camels	Number of Milking Camels	Average Daily Milk Prod.	Average Lactation Period (Months)	Total Milk Production (Lt)
<b>Ethiopia</b>	6,675,466	10,731,656	1.371	6	2,903,247,759	265,439	283,315	3.406	10	230,509,032
<b>Tigray</b>	57,640	728,969	1.285	6	193,359,791	*	*	*	8	*
North West Tigray	*	262,586	1.419	5	85,454,377	-	*	-	-	-
Central Tigray	8,945	116,067	1.077	6	23,092,777	-	-	-	-	-
Eastern Tigray	22,090	82,513	1.285	6	18,274,845	-	-	-	-	-
Southern Tigray	12,240	127,966	1.234	7	34,949,778	*	*	*	8	*
Western Tigray	6,725	139,837	1.38	5	31,588,014	-	-	-	-	-
<b>Afar</b>	277,016	360,269	1.892	6	139,249,626	91,389	88,973	3.051	10	77,676,916
Zone 1	174,765	234,559	2.017	6	92,129,289	27,490	29,613	*	*	25,394,334
Zone 3	102,251	125,710	1.623	7	47,120,337	63,899	59,360	3.215	9	52,282,582
<b>Amhara</b>	388,387	2,267,727	1.228	6	543,227,471	-	*	-	*	-
North Gondar	105,381	530,199	1.39	6	152,746,500	-	-	-	*	-
South Gondar	89,428	239,277	1.161	6	50,413,417	-	-	-	-	-
North Wolo	22,187	150,828	1.311	5	32,457,605	-	*	-	-	-
South Wolo	66,184	285,190	1.425	5	66,531,723	-	*	-	-	-
North Shewa	21,118	173,829	1.218	6	37,444,085	-	-	-	-	-
East Gojam	18,733	249,441	0.845	5	34,989,182	-	-	-	-	-
West Gojam	33,715	329,172	0.94	6	56,508,385	-	*	-	-	-
Waghamera	10,149	55,685	0.958	6	9,854,016	-	-	-	-	-
Awi	*	190,684	1.686	6	*	-	-	-	-	-
Oromia	*	59,941	1.248	6	14,034,606	-	-	-	-	-
Argoba Special	165	3,481	1.187	5	808,793	-	-	-	-	-
<b>Oromia</b>	2,577,541	4,460,397	1.441	6	1,250,619,741	93,543	98,408	3.832	10	85,481,064
West Wellega	29,853	197,493	1.14	7	48,162,672	-	-	-	-	-
East Wellega	*	185,669	1.057	6	38,993,876	-	-	-	-	-
Illubabor	95,164	224,145	1.164	6	51,042,548	-	-	-	-	-
Jimma	348,605	404,888	1.199	5	87,745,862	-	-	-	-	-
West Shewa	125,662	321,886	1.262	7	84,618,719	-	-	-	-	-
North Shewa	153,585	287,235	1.661	7	102,747,850	-	-	-	-	-
East Shewa	67,549	156,690	1.417	6	44,467,255	*	*	*	*	*
Arsi	309,014	450,548	1.577	6	135,687,891	*	*	*	*	*
West Harerghe	89,849	208,933	1.808	5	65,829,142	18,482	13,447	3.735	9	11,971,304
East Harerghe	83,837	271,551	2.127	5	97,291,090	*	21,061	4.624	7	8,528,633
Bale	369,912	367,547	1.44	6	113,649,975	9,423	4,970	2.597	10	3,869,330
Borena	135,322	267,307	1.362	6	71,735,018	*	23,276	3.866	10	21,356,475
South West Shewa	72,354	156,194	1.067	6	32,323,848	-	-	-	-	-
Guji	244,294	307,886	1.38	5	75,256,714	*	12,956	3.877	9	15,023,856
West Arsi	401,669	455,278	1.602	7	157,913,410	-	-	-	-	-
Kelem Wellega	41,424	99,099	1.13	6	22,397,856	-	-	-	-	-
Horoguduru Wellega	*	98,048	0.981	7	20,756,014	-	-	-	-	-

TABLE 3-21 CONT'D

Geographic Area	Number of Dairy Cows	Number of Milking Cows	Average Daily Milk Prod.	Average Lactation Period (Months)	Total Milk Production (Lt)	Number of Dairy Camels	Number of Milking Camels	Average Daily Milk Prod.	Average Lactation Period (Months)	Total Milk Production (Lt)
<b>Somale</b>	112,834	155,151	1.774	6	48,786,541	68,070	61,293	3.31	10	59,531,907
Shinele	816	3,747	1.559	5	1,104,039	4,203	1,826	2.576	10	1,246,917
Jijiga	91,246	96,087	1.924	6	32,490,564	29,453	17,186	3.213	10	17,459,260
Liben	20,773	55,317	1.482	5	15,191,937	34,415	42,280	3.388	10	40,825,730
<b>Benshangul-Gumuz</b>	49,032	110,074	1.149	7	28,803,071	-	*	-	-	-
Metekel	40,407	87,565	1.118	7	23,364,786	-	*	-	-	-
Asosa	4,187	12,494	1.124	6	2,817,872	-	-	-	-	-
Kemeshi	3,831	8,099	1.278	5	1,987,902	-	-	-	-	-
Mao Komo	608	1,915	1.606	6	632,511	-	-	-	-	-
<b>SNNP</b>	3,164,102	2,554,729	1.359	6	660,025,256	-	*	-	-	-
Gurage	307,270	211,959	1.106	6	41,280,896	-	-	-	-	-
Hadiya	257,293	185,534	1.279	6	45,421,040	-	-	-	-	-
Kembata Tembaro	118,124	95,849	1.465	6	27,993,673	-	-	-	-	-
Sidama	781,266	643,244	1.325	6	170,437,280	-	-	-	-	-
Gedio	15,939	18,195	1.154	5	3,234,351	-	-	-	-	-
Wolayita	233,756	207,575	1.46	6	60,332,641	-	-	-	-	-
South Omo	253,224	225,532	1.478	6	66,489,525	-	*	-	-	-
Shaka	44,678	39,390	1.574	5	10,854,076	-	-	-	-	-
Kaffa	203,693	224,877	1.412	5	49,475,634	-	-	-	-	-
Gamo Gofa	412,999	299,923	1.204	6	68,194,844	-	*	-	-	-
Bench Maji	96,150	78,011	1.495	6	21,936,231	-	-	-	-	-
Yem Sp. Wereda	9,496	10,097	0.961	6	2,057,191	-	-	-	-	-
Dawro	95,318	67,764	1.247	6	16,144,473	-	-	-	-	-
Basketo Sp. Wereda	11,367	8,714	1.062	6	1,919,185	-	-	-	-	-
Konta Sp. Wereda	29,104	23,401	1.049	5	4,463,847	-	*	-	-	-
Silte	168,250	119,748	1.072	6	22,643,629	-	-	-	-	-
Alaba Sp. Wereda	50,226	36,828	*	6	*	-	-	-	-	-
Segen People	75,949	58,088	1.009	6	10,831,973	-	*	-	-	-
<b>Gambela Region</b>	39,984	68,486	1.789	6	29,252,678	-	*	-	-	-
Angnuwak	5,319	4,047	1.782	6	1,523,048	-	-	-	-	-
Nuware	25,209	51,265	1.834	7	23,014,681	-	*	-	-	-
Mezhenger	6,009	9,294	1.713	5	2,856,227	-	-	-	-	-
Itang Special	*	*	1.811	7	1,858,722	-	-	-	-	-
<b>Harari</b>	5,291	14,971	2.09	6	6,899,478	*	1,699	4.814	*	*
Hundene	5,291	14,971	2.09	6	6,899,478	*	1,699	4.814	*	*
<b>Dire Dawa</b>	3,639	10,882	1.731	5	3,024,107	746	1,340	3.903	9	1,451,570

TABLE 3-22: TOTAL EGG PRODUCTION BY ZONE, AND REGION

## a. Indigenous Breeds

Geographic Area	Total Laying Hens	Average Number of Egg-laying period/Year	Average Length of a Period	Average Number of Eggs /Hen /Period	Total Egg Production (Number)
<b>Ethiopia</b>	16,419,521	4	21	12	89,560,144
<b>Tigray</b>	1,378,174	5	21	12	9,530,208
North West Tigray	380,712	3	19	12	1,660,809
Central Tigray	349,844	5	22	12	2,612,278
Eastern Tigray	279,620	6	24	13	2,786,079
Southern Tigray	221,760	5	21	13	1,804,728
Western Tigray	146,238	3	19	11	666,313
<b>Afar</b>	33,306	5	18	11	213,867
Zone 1	*	*	*	*	*
Zone 3	31,196	5	18	11	180,632
<b>Amhara</b>	4,565,669	4	21	12	25,611,129
North Gonder	882,151	3	20	12	4,048,829
South Gonder	527,515	4	20	12	2,532,369
North Wolo	280,821	4	22	11	1,677,908
South Wolo	607,410	5	22	12	3,689,157
North Shewa	640,010	5	22	12	4,288,893
East Gojam	509,038	5	23	13	3,606,759
West Gojam	686,829	3	21	13	3,434,830
Waghamera	99,770	4	22	12	504,977
Awı	258,463	3	22	13	1,383,662
Oromia	66,636	4	23	12	410,717
Argoba Special	7,028	4	21	11	33,027
<b>Oromia</b>	6,667,548	4	21	12	37,982,685
West Wellega	384,992	3	18	10	1,335,188
East Wellega	211,983	3	19	10	694,662
Illubabor	348,004	3	19	11	1,255,831
Jimma	594,753	3	19	10	2,303,856
West Shewa	543,146	5	23	12	3,864,602
North Shewa	447,549	6	25	14	3,847,745
East Shewa	457,146	5	23	14	3,737,485
Arsi	774,819	5	23	13	5,926,817
West Harerghe	410,057	4	21	12	1,808,150
East Harerghe	595,024	4	21	11	2,780,178
Bale	246,651	4	22	13	1,665,422
Borena	197,911	3	18	11	771,420
South West Shewa	383,494	5	24	13	2,669,452
Guji	255,953	3	20	12	1,167,542
West arsi	403,692	5	22	13	2,725,918
Kelem Wellega	276,519	3	19	10	917,070
Horoguduru Wellega	135,855	3	20	12	511,347



TABLE 3-22 – a CONT'D

Geographic Area	Total Laying Hens	Average Number of Egg-laying period/Year	Average Length of a Period	Average Number of Eggs /Hen /Period	Total Egg Production (Number)
<b>Somale</b>	62,588	4	19	13	370,389
Shinele	1,697	4	17	11	8,742
Jijiga	*	*	*	*	*
Liben	52,245	4	20	13	275,219
<b>Benshangul-Gumuz</b>	224,902	3	18	11	913,813
Metekel	92,524	3	18	11	418,800
Asosa	97,671	3	18	11	361,217
Kemeshi	23,320	3	18	11	85,440
Mao Komo	11,388	3	17	11	48,355
<b>SNNP</b>	3,342,272	3	19	11	14,272,756
Gurage	243,034	4	21	12	1,158,527
Hadiya	282,954	3	20	11	1,241,613
Kembata Tembaro	130,657	3	19	11	544,186
Sidama	594,919	4	20	12	3,079,916
Gedio	77,530	3	19	12	499,253
Wolayita	273,857	3	18	10	916,335
South Omo	304,387	3	20	12	1,277,389
Shaka	67,929	3	18	11	256,763
Kaffa	325,573	3	17	10	1,051,287
Gamo Gofa	357,669	4	19	11	1,534,826
Bench Maji	141,932	3	18	12	568,222
Yem Sp. Wereda	19,844	4	20	11	100,056
Dawro	60,887	3	16	9	197,728
Basketo Sp. Wereda	20,893	3	21	11	81,263
Konta Sp. Wereda	27,344	3	17	10	87,375
Silte	225,135	4	20	11	935,940
Alaba Sp. Wereda	59,527	3	20	11	258,034
Segen People	128,202	3	19	11	484,045
<b>Gambela Region</b>	86,098	3	18	12	387,971
Angnuwak	34,365	3	18	12	151,551
Nuware	22,783	4	17	12	112,329
Mezhenger	19,928	3	18	11	82,582
Itang Special	9,022	3	14	12	41,510
<b>Harari</b>	24,696	4	20	11	116,422
Hundene	24,696	4	20	11	116,422
<b>Dire Dawa</b>	34,266	4	19	11	160,906

b. Hybrid

Geographic Area	Total Laying Hens	Average Number of Egg-laying period/Year	Average Length of a Period	Average Number of Eggs /Hen /Period	Total Egg Production (Number)
<b>Ethiopia</b>	499,186	5	32	27	9,578,051
<b>Tigray</b>	111,279	5	30	23	1,140,611
North West Tigray	20,342	4	38	*	126,367
Central Tigray	51,410	5	25	18	462,635
Eastern Tigray	20,271	6	24	18	248,946
Southern Tigray	16,597	5	39	32	285,144
Western Tigray	*	4	19	15	17,519
<b>Afar</b>	*	*	*	*	*
Zone 1	-	-	-	-	-
Zone 3	*	*	*	*	*
<b>Amhara</b>	162,287	6	32	26	*
North Gonder	26,944	4	24	20	209,799
South Gonder	15,130	5	34	28	*
North Wolo	7,034	5	30	21	79,166
South Wolo	13,478	*	27	21	*
North Shewa	15,820	4	29	22	233,247
East Gojam	39,130	5	45	40	498,725
West Gojam	26,453	5	30	23	326,954
Waghamera	3,836	4	23	20	*
Awi	12,060	4	34	29	116,954
Oromia	2,384	4	28	22	19,773
Argoba Special	*	*	22	15	*
<b>Oromia</b>	184,776	5	33	27	1,974,451
West Wellega	3,551	4	23	17	36,743
East Wellega	3,730	*	66	62	*
Illubabor	3,954	4	23	20	33,457
Jimma	4,668	*	18	*	*
West Shewa	18,317	6	25	20	247,398
North Shewa	30,854	5	29	24	242,945
East Shewa	33,972	5	47	41	376,721
Arsi	41,521	5	33	26	513,964
West Harerghe	*	4	*	*	*
East Harerghe	4,592	4	23	23	27,026
Bale	*	4	28	23	77,363
Borena	*	4	23	21	*
South West Shewa	5,264	4	26	21	59,245
Guji	*	3	17	14	*
West Arsi	*	*	*	*	*
Kelem Wellega	5,142	3	*	*	13,879
Horoguduru Wellega	2,071	2	*	*	9,712

TABLE 3-22 - b CONT'D

Geographic Area	Total Laying Hens	Average Number of Egg-laying period/Year	Average Length of a Period	Average Number of Eggs /Hen /Period	Total Egg Production (Number)
<b>Somale</b>	*	*	*	*	*
Shinele	*	*	*	*	*
Jijiga	-	-	-	-	-
Liben	-	-	-	-	-
<b>Benshangul-Gumuz</b>	---	5	17	15	6,796
Metekel	*	5	17	15	*
Asosa	*	*	*	*	*
Kemeshi	-	*	*	*	*
Mao komo	*	*	*	*	*
<b>SNNP</b>	-----	4	41	36	431,815
Gurage	-----	4	78	68	135,565
Hadiya	-----	5	22	19	31,952
Kembata Tembaro	-----	4	28	24	26,243
Sidama	*	2	28	23	16,976
Gedio	-----	*	17	16	*
Wolayita	*	*	*	*	*
South Omo	*	*	*	*	*
Shaka	*	*	*	*	*
Kaffa	*	*	*	*	*
Gamo Gofa	*	*	*	*	*
Bench Maji	*	*	*	*	*
Yem Sp. Wereda	---	4	22	18	*
Dawro	---	*	20	20	*
Basketo Sp. Wereda	*	*	*	*	*
Konta Sp. Wereda	*	*	*	*	*
Silte	-----	5	*	*	71,129
Alaba Sp. Wereda	*	*	*	*	*
Segen People	*	*	*	*	*
<b>Gambela Region</b>	*	3	*	25	6,583
Angnuwak	*	*	*	*	*
Nuware	-	-	-	-	-
Mezhenger	---	3	*	*	1,211
Itang Special	-	*	*	*	*
<b>Harari</b>	*	*	*	*	*
Hundene	*	*	*	*	*
<b>Dire Dawa</b>	-----	6	25	20	28,646

c. Exotic Breeds

Geographic Area	Total Laying Hens	Average Number of Egg-laying period/Year	Average Length of a Period	Average Number of Eggs /Hen /Period	Total Egg Production (Number)
<b>Ethiopia</b>	192,853	-	108	96	1,703,269
<b>Tigray</b>	75,577	-	126	119	805,659
North West Tigray	*	-	*	*	*
Central Tigray	25,988	-	120	116	312,173
Eastern Tigray	23,015	-	63	62	117,306
Southern Tigray	18,891	-	158	145	221,723
Western Tigray	1,699	-	155	121	17,742
<b>Afar</b>	*	-	*	*	*
Zone 1	*	-	-	-	-
Zone 3	*	-	*	*	*
<b>Amhara</b>	42,989	-	105	90	377,536
North Gonder	*	-	*	*	*
South Gonder	2,884	-	168	164	57,796
North Wolo	*	-	*	*	*
South Wolo	11,570	-	*	*	72,871
North Shewa	6,016	-	*	*	59,150
East Gojam	5,045	-	*	*	*
West Gojam	*	-	*	*	*
Waghamera	*	-	*	*	*
Awi	*	-	*	*	51,163
Oromia	*	-	*	*	*
Argoba Special	*	-	*	*	*
<b>Oromia</b>	55,144	-	93	79	458,402
West Wellega	*	-	*	*	15,211
East Wellega	*	-	*	*	*
Illubabor	2,695	-	102	80	19,518
Jimma	*	-	*	*	*
West Shewa	3,056	-	*	*	*
North Shewa	4,899	-	33	33	9,609
East Shewa	5,263	-	28	27	8,598
Arsi	15,485	-	91	73	82,012
West Harerghe	*	-	*	*	*
East Harerghe	*	-	*	*	*
Bale	1,909	-	76	76	14,560
Borena	*	-	-	-	-
South West Shewa	*	-	*	*	*
Guji	*	-	*	*	*
West Arsi	1,187	-	*	*	*
Kelem Wellega	*	-	*	*	*
Horoguduru Wellega	*	-	-	-	-

TABLE 3-22 - c CONT'D

Geographic Area	Total Laying Hens	Average Number of Egg-laying period/Year	Average Length of a Period	Average Number of Eggs /Hen /Period	Total Egg Production (Number)
<b>Somale</b>	-	-	-	-	-
Shinele	-	-	-	-	-
Jijiga	-	-	-	-	-
Liben	-	-	-	-	-
<b>Benshangul-Gumuz</b>	*	-	30	31	3,903
Metekel	1,073	-	32	*	3,100
Asosa	*	-	*	*	*
Kemeshi	-	-	-	-	-
Mao Komo	-	-	*	*	*
<b>SNNP</b>	9,262	-	94	75	52,041
Gurage	*	-	*	*	*
Hadiya	*	-	-	-	-
Kembata Tembaro	*	-	112	112	*
Sidama	-	-	-	-	-
Gedio	-	-	*	*	*
Wolayita	-	-	-	-	-
South Omo	*	-	*	*	*
Shaka	*	-	*	*	*
Kaffa	*	-	*	*	*
Gamo Gofa	*	-	-	-	-
Bench Maji	*	-	*	*	*
Yem Sp. Wereda	*	-	*	*	*
Dawro	*	-	-	-	-
Basketo Sp. Wereda	*	-	*	*	*
Konta Sp. Wereda	-	-	-	-	-
Silte	*	-	*	*	*
Alaba Sp. Wereda	-	-	-	-	-
Segen People	-	-	-	-	-
<b>Gambela Region</b>	*	-	*	*	*
Angnuwak	*	-	-	-	-
Nuware	-	-	-	-	-
Mezhenger	*	-	*	*	*
Itang Special	-	-	-	-	-
<b>Harari</b>	*	-	*	*	*
Hundene	*	-	*	*	*
<b>Dire Dawa</b>	2,239	-	29	28	3,849

TABLE 3-23: ESTIMATED NUMBER OF VACCINATED LIVESTOCK BY ZONE AND REGION  
a. Cattle

Geographic Area	Total Vaccinated	Vaccinated against:				
		Anthrax	Blackleg	Pleuro-Pneumonia	Hemorrhagic Septicemia	Others
<b>Ethiopia</b>	22,898,179	6,966,111	7,603,230	2,356,326	3,736,697	2,235,815
<b>Tigray</b>	2,751,622	969,081	896,863	618,544	169,690	97,445
North West Tigray	647,326	190,530	194,824	185,099	62,900	*
Central Tigray	595,479	224,684	259,988	104,765	5,823	*
Eastern Tigray	457,561	206,895	136,260	62,737	*	*
Southern Tigray	624,926	193,919	188,201	199,436	*	27,340
Western Tigray	426,331	153,052	117,590	66,505	*	54,257
<b>Afar</b>	*	*	-	*	-	*
Zone 1	*	-	-	*	-	-
Zone 3	*	*	-	-	-	*
<b>Amhara</b>	3,955,685	1,474,340	1,148,062	226,628	343,273	763,383
North Gondar	725,480	294,908	142,285	*	*	*
South Gondar	263,322	185,188	15,240	*	-	*
North Wolo	274,838	81,702	132,137	*	38,920	*
South Wolo	554,500	152,408	257,316	*	73,175	*
North Shewa	305,547	53,765	148,445	*	*	47,101
East Gojam	677,402	401,657	*	*	*	94,693
West Gojam	473,396	194,580	130,029	-	-	148,787
Waghamera	59,883	26,529	*	*	*	*
Awi	464,235	50,318	168,084	*	*	186,389
Oromia	152,534	30,998	56,895	*	34,942	*
Argoba Special	4,549	2,288	2,261	-	-	-
<b>Oromia</b>	11,313,556	3,255,524	3,848,248	863,396	2,481,139	865,250
West Wellega	600,551	110,247	153,547	81,012	233,924	*
East Wellega	471,051	62,373	129,040	78,029	173,405	*
Illubabor	632,942	122,881	68,194	*	355,427	81,835
Jimma	562,483	152,146	171,273	*	150,810	*
West Shewa	557,277	207,078	215,251	*	95,022	*
North Shewa	643,070	188,650	260,414	*	106,678	*
East Shewa	1,196,607	422,848	406,792	110,890	253,785	*
Arsi	1,022,305	355,301	302,310	*	212,420	65,890
West Harerghe	720,405	231,388	255,632	*	184,822	*
East Harerghe	406,718	66,625	139,365	*	159,926	*
Bale	802,971	269,010	401,795	*	*	*
Borena	536,436	*	*	220,858	*	213,198
South West Shewa	719,000	291,278	281,979	*	67,021	74,262
Guji	546,810	*	436,924	*	*	*
West Arsi	1,172,774	550,747	428,831	*	70,556	121,955
Kelem Wellega	402,358	103,270	54,067	83,737	135,132	*
Horoguduru Wellega	319,800	*	99,251	*	154,471	*

TABLE 3-23 – a CONT'D

Geographic Area	Total Vaccinated	Vaccinated against:				
		Anthrax	Blackleg	Pleuro-Pneumonia	Hemorrhagic Septicemia	Others
<b>Somale</b>	54,521	2,106	*	22,725	2,708	22,418
Shinele	4,248	*	*	*	*	*
Jijiga	17,722	-	-	*	*	*
Liben	32,551	*	*	20,019	*	*
<b>Benshangul-Gumuz</b>	236,586	30,139	37,871	60,254	79,358	28,965
Metekel	165,790	*	*	33,143	56,945	27,111
Asosa	49,895	*	-	18,812	*	*
Kemeshi	13,295	*	*	6,487	5,754	*
Mao Komo	7,607	1,187	1,626	*	2,922	*
<b>SNNP</b>	4,533,948	1,221,853	1,654,910	550,474	652,913	453,798
Gurage	456,549	153,336	116,120	*	*	*
Hadiya	263,133	129,575	95,420	*	*	*
Kembata Tembaro	144,289	76,274	61,467	*	*	-
Sidama	881,639	139,593	328,717	*	268,220	101,546
Gedio	*	*	10,805	*	*	*
Wolayita	226,309	90,687	93,483	*	*	*
South Omo	678,748	103,139	217,948	*	*	*
Shaka	112,037	*	47,833	*	30,750	25,399
Kaffa	333,592	69,835	146,639	*	95,966	*
Gamo Gofa	554,850	148,338	272,762	83,008	-	*
Bench Maji	156,781	31,201	64,235	*	30,564	18,081
Yem Sp. Wereda	33,183	-	29,489	-	3,608	*
Dawro	84,297	27,912	42,845	*	*	*
Basketo Sp. Wereda	36,721	15,803	16,058	2,975	*	*
Konta Sp. Wereda	39,517	7,419	17,984	*	*	*
Silte	212,725	127,553	45,720	*	*	*
Alaba Sp. Wereda	69,193	62,754	*	-	-	-
Segen People	204,495	*	*	28,681	*	104,392
<b>Gambela Region</b>	4,421	1,242	*	*	*	-
Angnuwak	*	-	-	*	-	-
Nuware	*	-	-	*	-	-
Mezhenger	1,643	1,242	-	-	*	-
Itang Special	*	-	*	-	-	-
<b>Harari</b>	17,005	5,818	5,655	*	*	4,192
Hundene	17,005	5,818	5,655	*	*	4,192
<b>Dire Dawa</b>	21,178	5,740	6,110	3,026	6,272	*

b. Sheep

Geographic Area	Total Vaccinated	Vaccinated against:				
		Anthrax	Blackleg	Pleuro-Pneumonia	Hemorrhagic Septicemia	Others
<b>Ethiopia</b>	5,255,497	560,659	592,215	1,519,302	1,148,096	1,435,225
<b>Tigray</b>	845,331	118,467	185,447	49,386	429,152	62,879
North West Tigray	67,265	*	15,496	*	*	-
Central Tigray	237,410	*	42,861	*	135,883	*
Eastern Tigray	334,709	50,460	62,291	*	192,612	*
Southern Tigray	189,413	36,509	62,554	*	61,109	*
Western Tigray	16,535	*	*	*	*	*
<b>Afar</b>	*	-	-	*	-	-
Zone 1	*	-	-	*	-	-
Zone 3	*	-	-	*	-	-
<b>Amhara</b>	1,695,202	212,843	136,454	391,505	179,995	774,405
North Gonder	49,297	*	*	10,681	*	*
South Gonder	33,915	22,423	*	*	*	*
North Wolo	333,739	*	42,629	*	65,858	*
South Wolo	456,783	-	-	*	-	317,335
North Shewa	392,399	*	*	132,927	53,917	175,874
East Gojam	188,962	*	*	*	36,119	50,933
West Gojam	147,898	26,670	*	*	*	*
Waghamera	*	*	*	-	*	*
Awi	51,499	*	*	-	*	15,020
Oromia	23,945	*	*	*	*	*
Argoba Special	-	-	-	-	-	-
<b>Oromia</b>	1,760,927	186,656	209,363	473,079	423,040	468,788
West Wellega	27,253	*	*	16,305	6,959	*
East Wellega	*	*	*	*	*	*
Illubabor	57,981	*	*	*	*	40,525
Jimma	52,748	-	*	*	*	*
West Shewa	111,165	*	27,241	13,558	*	*
North Shewa	240,782	42,750	34,699	24,958	89,928	48,448
East Shewa	170,985	37,799	23,641	32,115	28,881	48,549
Arsi	307,071	13,801	*	140,696	*	118,810
West Harerghe	40,298	4,128	12,983	*	13,209	*
East Harerghe	101,519	*	*	*	71,548	*
Bale	*	*	*	*	*	*
Borena	147,074	-	*	117,448	-	27,038
South West Shewa	94,890	*	27,237	*	*	*
Guji	50,033	*	*	*	*	*
West Arsi	163,599	50,385	45,452	*	*	20,196
Kelem Wellega	56,600	*	*	9,771	32,346	12,108
Horoguduru Wellega	35,872	-	*	3,049	*	21,860



TABLE 3-23 – b CONT'D

Geographic Area	Total Vaccinated	Vaccinated against:				
		Anthrax	Blackleg	Pleuro-Pneumonia	Hemorrhagic Septicemia	Others
<b>Somale</b>	97,162	*	-	53,660	*	*
Shinele	6,909	*	-	*	*	*
Jijiga	*	-	-	*	*	*
Liben	56,999	*	-	49,871	-	*
<b>Benshangul-Gumuz</b>	20,588	*	*	5,662	*	11,589
Metekel	13,656	*	*	*	*	*
Asosa	3,747	-	-	*	*	*
Kemeshi	999	*	*	571	*	*
Mao Komo	2,186	*	*	*	*	1,403
<b>SNNP</b>	772,646	36,315	51,836	516,539	94,911	73,045
Gurage	47,825	*	*	*	*	*
Hadiya	*	-	*	*	*	*
Kembata Tembaro	24,244	*	*	*	*	-
Sidama	58,086	*	*	*	*	*
Gedio	44,370	*	*	29,977	*	*
Wolayita	2,820	*	*	*	*	-
South Omo	425,034	*	*	*	-	*
Shaka	*	*	-	-	*	*
Kaffa	*	*	*	*	*	*
Gamo Gofa	*	*	*	*	-	-
Bench Maji	9,715	*	*	*	6,445	*
Yem Sp. Wereda	4,028	-	*	*	3,655	*
Dawro	7,128	*	*	*	*	*
Basketo Sp. Wereda	5,194	*	1,724	*	*	*
Konta Sp. Wereda	1,542	*	*	*	*	*
Silte	52,420	16,740	*	*	16,314	*
Alaba Sp. Wereda	8,977	4,301	*	*	-	*
Segen People	5,278	-	-	*	-	*
<b>Gambela Region</b>	*	-	-	*	-	*
Angnuwak	-	-	-	-	-	-
Nuware	*	-	-	*	-	-
Mezhenger	-	-	-	-	-	-
Itang Special	*	-	-	-	-	*
<b>Harari</b>	*	*	*	*	-	*
Hundene	*	*	*	*	-	*
<b>Dire Dawa</b>	39,469	5,015	*	7,607	17,536	*

c. Goats

Geographic Area	Total Vaccinated	Vaccinated against:				
		Anthrax	Blackleg	Pleuro-Pneumonia	Hemorrhagic Septicemia	Others
<b>Ethiopia</b>	5,949,519	559,639	603,809	2,309,821	1,574,235	902,014
<b>Tigray</b>	1,814,432	220,180	294,857	163,912	992,857	142,627
North West Tigray	740,168	*	165,654	*	368,202	*
Central Tigray	475,497	21,754	44,259	*	377,264	*
Eastern Tigray	124,558	*	*	*	62,810	*
Southern Tigray	251,442	48,136	48,296	23,317	119,698	*
Western Tigray	222,768	48,746	*	34,556	64,882	61,511
<b>Afar</b>	*	-	-	*	-	*
Zone 1	*	-	-	*	-	*
Zone 3	*	-	-	*	-	*
<b>Amhara</b>	465,390	97,369	78,456	92,190	86,628	110,748
North Gonder	*	*	*	*	*	*
South Gonder	21,129	*	*	*	-	*
North Wolo	76,043	*	*	*	*	16,831
South Wolo	76,285	*	*	*	*	25,851
North Shewa	70,297	*	*	*	*	19,682
East Gojam	33,355	*	-	*	*	*
West Gojam	4,785	*	-	*	-	*
Waghamera	54,161	*	*	*	17,464	*
Awi	16,365	*	*	-	*	*
Oromia	44,419	*	*	*	*	*
Argoba Special	286	-	-	*	-	*
<b>Oromia</b>	1,778,114	190,628	177,134	529,516	408,575	472,262
West Wellega	*	-	-	*	*	*
East Wellega	*	*	*	*	*	*
Illubabor	26,587	-	*	*	4,197	17,047
Jimma	21,144	-	*	*	*	*
West Shewa	23,028	*	*	*	*	*
North Shewa	66,282	*	*	*	*	*
East Shewa	277,273	62,022	42,034	22,902	51,054	99,262
Arsi	106,762	*	*	31,378	*	*
West Harerghe	225,048	18,287	35,665	*	143,702	*
East Harerghe	192,274	10,014	*	*	136,473	*
Bale	131,964	*	*	*	-	*
Borena	358,684	-	*	227,012	-	*
South West Shewa	66,188	*	*	*	*	*
Guji	*	-	*	*	-	*
West Arsi	120,231	34,812	*	*	*	51,403
Kelem Wellega	21,392	-	-	*	8,027	*
Horoguduru Wellega	12,806	-	-	*	*	8,563

TABLE 3-23 – c CONT'D

Geographic Area	Total Vaccinated	Vaccinated against:				
		Anthrax	Blackleg	Pleuro-Pneumonia	Hemorrhagic Septicemia	Others
<b>Somale</b>	210,269	*	*	153,810	*	51,939
Shinele	16,827	*	*	*	*	*
Jijiga	*	-	-	*	*	*
Liben	155,828	*	-	143,390	*	*
<b>Benshangul-Gumuz</b>	115,040	*	*	45,142	*	57,643
Metekel	22,672	*	-	*	*	*
Asosa	71,747	-	-	27,804	*	36,591
Kemeshi	13,191	-	*	*	*	5,166
Mao Komo	7,430	*	*	494	*	4,367
<b>SNNP</b>	1,279,963	29,740	27,966	1,137,791	27,535	56,932
Gurage	*	-	*	-	*	*
Hadiya	9,476	-	*	*	*	*
Kembata Tembaro	*	*	*	*	*	-
Sidama	*	-	-	*	*	*
Gedio	*	-	-	*	-	-
Wolayita	*	*	*	-	-	-
South Omo	1,108,432	*	*	1,082,848	-	*
Shaka	*	*	*	-	*	*
Kaffa	*	-	*	-	*	-
Gamo Gofa	13,727	*	*	*	-	*
Bench Maji	5,603	*	*	*	*	*
Yem Sp. Wereda	3,479	-	-	*	3,130	*
Dawro	*	-	*	-	*	-
Basketo Sp. Wereda	2,652	*	*	*	-	*
Konta Sp. Wereda	*	-	-	*	*	-
Silte	23,599	*	*	*	*	*
Alaba Sp. Wereda	9,387	*	*	*	*	*
Segen People	35,158	-	*	30,061	-	*
<b>Gambela Region</b>	*	-	-	*	-	*
Angnuwak	-	-	-	-	-	-
Nuware	*	-	-	*	-	-
Mezhenger	-	-	-	-	-	-
Itang Special	*	-	-	*	-	*
<b>Harari</b>	14,043	4,692	*	*	-	5,809
Hundene	14,043	4,692	*	*	-	5,809
<b>Dire Dawa</b>	107,768	13,118	*	22,756	47,148	*

d. Camels

Geographic Area	Total Vaccinated	Vaccinated against:				
		Anthrax	Blackleg	Pleuro-Pneumonia	Hemorrhagic Septicemia	Others
<b>Ethiopia</b>	104,813	20,492	11,008	*	5,708	10,696
<b>Tigray</b>	19,489	10,855	*	*	*	*
North West Tigray	6,447	*	*	*	*	*
Central Tigray	*	-	-	*	-	-
Eastern Tigray	-	-	-	-	-	-
Southern Tigray	*	*	*	*	*	-
Western Tigray	*	*	*	-	-	*
<b>Afar</b>	*	-	-	*	-	*
Zone 1	*	-	-	*	-	*
Zone 3	-	-	-	-	-	-
<b>Amhara</b>	17,023	*	1,685	*	*	*
North Gonder	-	-	-	-	-	-
South Gonder	-	-	-	-	-	-
North Wolo	*	-	*	*	-	*
South Wolo	*	-	-	*	-	-
North Shewa	8,826	-	*	*	-	*
East Gojam	*	*	-	-	-	-
West Gojam	-	-	-	-	-	-
Waghamera	-	-	-	-	-	-
Awi	-	-	-	-	-	-
Oromia	1,767	*	*	-	*	-
Argoba Special	-	-	-	-	-	-
<b>Oromia</b>	20,978	*	3,944	10,847	*	*
West Wellega	-	-	-	-	-	-
East Wellega	-	-	-	-	-	-
Illubabor	-	-	-	-	-	-
Jimma	-	-	-	-	-	-
West Shewa	-	-	-	-	-	-
North Shewa	*	-	-	-	-	*
East Shewa	-	-	-	-	-	-
Arsi	*	-	-	*	-	-
West Harerghe	7,551	*	*	*	*	-
East Harerghe	*	*	-	-	-	-
Bale	*	-	*	*	*	-
Borena	*	-	-	*	-	*
South West Shewa	-	-	-	-	-	-
Guji	*	-	*	-	-	-
West Arsi	-	-	-	-	-	-
Kelem Wellega	-	-	-	-	-	-
Horoguduru Wellega	-	-	-	-	-	-

TABLE 3-23 – d CONT'D

Geographic Area	Total Vaccinated	Vaccinated against:				
		Anthrax	Blackleg	Pleuro-Pneumonia	Hemorrhagic Septicemia	Others
<b>Somale</b>	11,959	*	*	*	*	*
Shinele	*	*	*	-	*	-
Jijiga	*	-	-	-	*	*
Liben	10,256	*	*	*	*	-
<b>Benshangul-Gumuz</b>	*	-	-	-	-	*
Metekel	-	-	-	-	-	-
Asosa	-	-	-	-	-	-
Kemeshi	-	-	-	-	-	-
Mao Komo	*	-	-	-	-	*
<b>SNNP</b>	*	-	-	*	-	-
Gurage	-	-	-	-	-	-
Hadiya	-	-	-	-	-	-
Kembata Tembaro	-	-	-	-	-	-
Sidama	-	-	-	-	-	-
Gedio	-	-	-	-	-	-
Wolayita	-	-	-	-	-	-
South Omo	*	-	-	*	-	-
Shaka	-	-	-	-	-	-
Kaffa	-	-	-	-	-	-
Gamo Gofa	-	-	-	-	-	-
Bench Maji	-	-	-	-	-	-
Yem Sp. Wereda	-	-	-	-	-	-
Dawro	-	-	-	-	-	-
Basketo Sp. Wereda	-	-	-	-	-	-
Konta Sp. Wereda	-	-	-	-	-	-
Silte	-	-	-	-	-	-
Alaba Sp. Wereda	-	-	-	-	-	-
Segen People	-	-	-	-	-	-
<b>Gambela Region</b>	-	-	-	-	-	-
Angnuwak	-	-	-	-	-	-
Nuware	-	-	-	-	-	-
Mezhenger	-	-	-	-	-	-
Itang Special	-	-	-	-	-	-
<b>Harari</b>	*	-	-	-	-	*
Hundene	*	-	-	-	-	*
<b>Dire Dawa</b>	*	*	*	*	*	*

TABLE 3-24: ESTIMATED NUMBER OF LIVESTOCK AFFLICTED/DISEASED BY ZONE AND REGION

Geographic Area	Cattle	Sheep	Goats	Draught Animals	Camels	Poultry
<b>Ethiopia</b>	8,371,123	5,953,534	5,311,898	1,142,915	79,042	29,043,732
<b>Tigray</b>	394,465	218,348	672,042	45,027	8,515	3,003,918
North West Tigray	170,005	22,705	353,138	16,281	3,622	1,422,562
Central Tigray	62,347	31,382	132,656	9,339	-	515,166
Eastern Tigray	40,349	103,365	28,287	8,309	*	314,997
Southern Tigray	55,695	50,695	74,918	5,958	*	204,064
Western Tigray	66,069	10,201	83,044	5,140	942	547,130
<b>Afar</b>	123,873	264,057	458,606	10,039	17,932	22,896
Zone 1	77,928	149,316	311,696	9,314	*	*
Zone 3	45,945	114,741	146,910	*	*	13,741
<b>Amhara</b>	1,915,598	2,303,032	1,088,746	370,441	3,921	10,614,692
North Gondar	440,542	186,503	252,806	44,458	-	4,269,207
South Gondar	182,461	189,384	74,021	34,926	-	792,632
North Wolo	88,409	156,099	95,711	18,925	*	412,871
South Wolo	180,798	427,317	94,749	46,590	-	400,610
North Shewa	129,393	626,167	229,485	40,560	*	1,168,231
East Gojam	207,753	259,497	118,712	79,895	-	530,047
West Gojam	367,533	297,867	65,184	54,467	-	1,846,498
Waghamera	37,560	21,469	75,433	6,429	-	138,769
Awii	238,911	113,968	45,912	40,849	-	896,311
Oromia	39,482	23,308	33,623	3,280	*	151,777
Argoba Special	2,756	*	3,109	63	28	7,738
<b>Oromia</b>	3,741,727	1,982,122	1,473,386	566,195	35,388	9,822,093
West Wellega	346,648	119,991	77,541	36,012	-	1,094,543
East Wellega	365,092	74,666	43,658	22,094	-	359,351
Illubabor	360,266	109,254	69,513	32,424	-	419,667
Jimma	411,043	189,250	84,110	49,986	-	589,851
West Shewa	340,282	206,167	94,864	50,917	*	1,214,977
North Shewa	148,696	260,093	37,773	39,121	-	554,939
East Shewa	96,532	71,911	80,856	29,649	*	920,723
Arsi	148,944	218,607	115,115	61,538	*	999,678
West Harerghe	118,860	25,060	114,921	24,563	5,113	457,943
East Harerghe	135,533	39,824	109,570	22,437	8,150	135,417
Bale	165,902	49,383	120,617	31,091	3,363	233,440
Borena	116,943	85,239	205,896	4,437	10,584	157,894
South West Shewa	128,815	92,297	59,981	27,701	-	886,311
Guji	98,219	97,367	86,260	25,387	*	283,995
Werst Arsi	246,676	161,959	64,565	44,474	-	479,013
Kelem Wellega	322,727	113,612	64,796	33,445	-	683,678
Horoguduru Wellega	190,547	67,441	43,350	30,918	-	350,674

Note: Draught animals in this table refer to Horses, Donkeys, and Mules.

TABLE 3-24 CONT'D

Geographic Area	Cattle	Sheep	Goats	Draught Animals	Camels	Poultry
<b>Somale</b>	34,710	138,884	230,046	2,309	11,718	25,820
Shinele	2,099	3,950	15,481	293	835	*
Jijiga	19,171	70,669	83,245	860	*	*
Liben	13,439	64,265	131,320	1,156	10,125	24,104
<b>Benshangul-Gumuz</b>	215,411	42,586	236,976	27,695	-	1,046,197
Metekel	131,688	17,922	63,566	8,283	-	454,023
Asosa	59,819	15,559	135,572	14,136	-	450,094
Kemeshi	14,831	3,744	21,750	3,747	-	63,790
Mao Komo	9,074	5,361	16,087	1,528	-	78,290
<b>SNNP</b>	1,878,433	985,572	1,102,411	118,345	-	4,287,413
Gurage	110,456	23,623	11,905	7,740	-	189,255
Hadiya	97,309	41,527	29,335	16,501	-	591,121
Kembata Tembaro	40,081	10,797	3,675	3,950	-	155,804
Sidama	230,323	35,955	23,862	10,214	-	434,028
Gedio	9,307	28,163	*	3,524	-	138,151
Wolayita	153,719	29,006	12,500	12,298	-	280,935
South Omo	389,070	437,275	809,517	9,654	-	505,406
Shaka	26,094	10,091	2,939	1,101	-	114,428
Kaffa	172,865	113,982	41,585	12,518	-	451,745
Gamo Gofa	270,638	115,300	48,712	15,300	-	481,194
Bench Maji	76,798	28,086	9,397	3,999	-	319,604
Yem Sp. Wereda	12,706	6,693	4,818	331	-	17,330
Dawro	76,230	24,560	9,795	5,013	-	67,527
Basketo Sp. Wereda	14,984	5,969	4,228	820	-	24,409
Konta Sp. Wereda	28,210	8,651	4,550	1,642	-	39,262
Silte	47,422	29,515	12,919	5,040	-	214,593
Alaba Sp. Wereda	17,550	6,828	5,838	3,289	-	101,599
Segen People	104,670	29,551	66,534	5,411	-	161,022
<b>Gambela Region</b>	54,736	8,781	17,883	*	-	186,935
Angnuwak	15,620	*	6,284	*	-	117,069
Nuware	32,572	6,075	10,887	*	-	13,195
Mezhenger	5,736	1,340	317	199	-	51,678
Itang Special	808	278	396	-	-	4,993
<b>Harari</b>	7,260	943	7,023	1,246	*	7,239
Hundene	7,260	943	7,023	1,246	*	7,239
<b>Dire Dawa</b>	4,910	9,208	24,780	966	664	26,529

TABLE 3-25: ESTIMATED NUMBER OF LIVESTOCK TREATED BY ZONE AND REGION

Geographic Area	Cattle	Sheep	Goats	Draught Animals	Camels	Poultry
<b>Ethiopia</b>	5,293,986	2,311,643	1,815,628	621,740	25,863	2,806,824
<b>Tigray</b>	154,132	84,742	150,421	14,923	4,160	258,685
North West Tigray	48,861	14,974	59,070	3,592	2,445	99,112
Central Tigray	34,671	13,164	24,532	4,716	-	52,344
Eastern Tigray	20,057	31,828	*	3,604	-	21,048
Southern Tigray	25,835	*	32,872	1,341	*	*
Western Tigray	24,708	*	24,598	1,670	406	33,682
<b>Afar</b>	9,871	13,397	25,972	*	*	1,385
Zone 1	5,094	*	*	*	*	-
Zone 3	*	*	5,425	*	*	1,385
<b>Amhara</b>	1,161,345	937,766	237,393	181,370	2,668	875,719
North Gondar	241,159	63,246	48,865	22,979	-	152,708
South Gondar	100,100	83,840	16,704	14,425	-	126,002
North Wolo	41,336	53,068	17,316	6,584	*	17,049
South Wolo	87,827	116,823	20,178	16,960	-	*
North Shewa	68,776	229,755	54,922	12,393	*	96,389
East Gojam	131,322	134,144	12,533	43,909	-	61,824
West Gojam	272,112	173,702	18,110	33,175	-	209,941
Waghamera	14,693	4,874	20,261	1,558	-	*
Awi	190,014	74,774	22,084	28,760	-	191,034
Oromia	13,119	2,554	5,238	627	*	*
Argoba Special	*	*	*	-	*	*
<b>Oromia</b>	2,616,882	851,620	616,096	340,906	14,068	1,232,925
West Wellega	295,927	86,550	44,179	29,550	-	219,497
East Wellega	307,859	43,524	24,875	16,871	-	45,231
Illubabor	294,908	48,655	42,599	22,274	-	93,552
Jimma	186,583	18,634	13,046	18,951	-	15,050
West Shewa	211,978	80,739	46,433	28,620	-	210,091
North Shewa	90,988	142,211	13,390	24,518	-	89,085
East Shewa	68,037	39,229	38,453	13,118	-	83,269
Arsi	89,190	86,475	*	35,602	*	192,189
West Harerghe	66,218	8,885	48,499	10,607	2,065	*
East Harerghe	85,267	10,277	32,670	13,823	*	*
Bale	78,965	6,469	52,245	15,878	*	5,241
Borena	69,863	22,180	76,315	1,401	*	21,686
South West Shewa	89,079	36,365	13,405	17,038	-	78,518
Guji	31,900	18,573	*	11,687	-	*
West Arsi	178,854	61,819	16,993	27,228	-	16,370
Kelem Wellega	307,005	95,239	49,541	29,633	-	80,047
Horoguduru Wellega	164,261	45,795	25,960	24,109	-	55,551



TABLE 3-25 CONT'D

Geographic Area	Cattle	Sheep	Goats	Draught Animals	Camels	Poultry
<b>Somale</b>	11,092	22,745	38,674	*	*	*
Shinele	862	639	3,273	*	*	*
Jijiga	5,740	7,237	12,317	*	*	-
Liben	*	*	23,084	*	*	*
<b>Benshangul-Gumuz</b>	170,933	23,052	109,055	18,649	-	159,672
Metekel	94,534	7,331	23,588	4,410	-	*
Asosa	56,134	10,801	66,442	10,191	-	80,117
Kemeshi	12,200	1,156	9,632	3,040	-	*
Mao Komo	8,065	3,765	9,393	1,008	-	18,527
<b>SNNP</b>	1,145,956	*	624,712	64,055	-	274,256
Gurage	77,510	8,579	2,573	5,183	-	36,344
Hadiya	45,208	4,063	*	9,903	-	47,842
Kembata Tembaro	22,309	2,113	*	2,189	-	19,846
Sidama	130,947	7,716	*	6,781	-	11,741
Gedio	5,697	13,432	*	2,094	-	*
Wolayita	98,650	8,029	1,182	7,141	-	25,562
South Omo	252,168	*	538,447	2,861	-	*
Shaka	18,721	2,984	973	581	-	*
Kaffa	77,935	3,898	1,518	4,051	-	6,851
Gamo Gofa	166,791	10,744	14,498	8,178	-	*
Bench Maji	54,968	7,816	4,232	2,829	-	*
Yem Sp. Wereda	10,298	2,312	1,688	*	-	1,022
Dawro	58,259	10,714	3,791	4,015	-	*
Basketo Sp. Wereda	10,987	3,856	2,345	672	-	4,696
Konta Sp. Wereda	13,451	1,656	*	543	-	*
Silte	29,274	5,879	1,808	3,328	-	32,591
Alaba Sp. Wereda	7,783	729	*	1,249	-	*
Segen People	64,999	*	38,783	2,383	-	1,955
<b>Gambela Region</b>	18,894	*	2,481	*	-	1,715
Angnuwak	11,786	*	2,017	*	-	*
Nuware	2,561	*	381	-	-	*
Mezhenger	4,362	*	*	146	-	1,018
Itang Special	*	-	-	-	-	-
<b>Harari</b>	2,344	*	1,549	337	*	*
Hundene	2,344	*	1,549	337	*	*
<b>Dire Dawa</b>	2,537	2,704	9,274	212	357	*

TABLE 3-26- a: ESTIMATED NUMBER OF LIVESTOCK DIED FROM DISEASE  
BY ZONE AND REGION

Geographic Area	Cattle	Sheep	Goats	Horses	Donkeys	Mules	Camels	Poultry
<b>Ethiopia</b>	2,648,601	4,014,348	3,398,866	136,077	315,183	21,837	35,103	28,355,406
<b>Tigray</b>	150,392	163,494	471,934	*	21,384	*	*	2,759,686
North West Tigray	63,966	18,047	230,261	-	8,316	-	-	1,272,766
Central Tigray	20,505	29,169	116,537	-	4,763	-	-	497,070
Eastern Tigray	13,380	73,232	20,452	-	3,073	-	*	288,730
Southern Tigray	26,480	37,633	50,406	*	3,095	*	*	211,320
Western Tigray	26,061	5,413	54,279	-	2,137	*	*	489,799
<b>Afar</b>	100,184	205,639	348,225	*	6,139	-	*	21,712
Zone 1	66,463	119,296	240,187	-	5,916	-	*	*
Zone 3	33,722	86,343	108,039	*	*	-	4,246	13,469
<b>Amhara</b>	547,084	1,617,932	791,468	34,559	124,158	6,738	*	10,672,329
North Gonder	146,197	138,734	177,762	*	16,150	-	-	4,182,659
South Gonder	52,808	149,272	51,119	*	13,709	*	-	923,860
North Wolo	33,578	100,992	73,539	*	8,184	-	-	395,470
South Wolo	82,478	355,027	61,145	8,420	22,500	*	-	404,971
North Shewa	49,062	470,711	195,276	5,347	17,452	*	*	1,201,572
East Gojam	37,219	158,188	86,477	4,636	20,355	*	-	544,058
West Gojam	74,928	158,481	45,600	*	13,665	*	-	1,830,410
Waghamera	13,447	19,182	48,832	*	3,210	*	-	130,738
Awı	31,806	51,611	29,555	6,424	6,961	*	-	905,026
Oromia	23,231	15,221	20,401	-	1,919	-	*	146,032
Argoba Special	2,330	513	1,762	*	53	-	*	7,535
<b>Oromia</b>	1,093,457	1,327,740	955,314	76,952	127,346	10,701	14,517	9,625,824
West Wellega	65,330	52,496	48,618	*	8,595	-	-	1,053,215
East Wellega	65,648	39,659	22,979	*	4,364	*	-	336,458
Illubabor	98,170	77,976	44,327	7,804	4,254	*	-	484,058
Jimma	151,880	138,024	52,111	6,711	8,665	*	-	567,636
West Shewa	90,941	146,752	45,270	12,634	7,690	*	-	1,178,195
North Shewa	66,580	193,347	32,910	4,661	11,234	*	-	504,340
East Shewa	32,952	42,071	48,497	2,037	11,929	*	*	932,558
Arsi	66,693	148,632	67,966	8,638	11,511	*	*	1,044,283
West Harerghe	48,418	14,711	70,455	*	10,202	*	*	444,442
East Harerghe	44,796	29,816	75,640	*	10,100	-	*	127,890
Bale	76,784	44,001	88,875	4,376	10,062	-	*	218,748
Borena	39,521	57,499	129,313	-	1,146	-	5,191	151,784
South West Shewa	41,208	73,179	48,347	4,794	7,584	*	-	838,849
Guji	50,564	80,223	69,055	10,559	*	-	-	271,775
West Arsi	65,415	108,685	47,531	8,292	6,623	*	-	488,381
Kelem Wellega	47,081	43,803	37,091	755	5,688	710	-	644,770
Horoguduru Wellega	41,475	36,866	26,328	3,534	4,628	*	-	338,439

TABLE 3-26 – a CONT'D

Geographic Area	Cattle	Sheep	Goats	Horses	Donkeys	Mules	Camels	Poultry
<b>Somale</b>	13,042	64,230	129,117	-	1,404	*	2,738	19,064
Shinele	1,265	2,357	10,768	-	*	*	532	*
Jijiga	7,073	28,978	35,521	-	*	-	*	-
Liben	4,704	32,894	82,828	-	671	-	1,970	18,043
<b>Benshangul-Gumuz</b>	46,995	28,167	179,264	*	10,429	336	-	1,020,345
Metekel	27,095	11,431	44,253	*	2,736	*	-	466,025
Asosa	14,833	10,572	109,956	-	5,300	*	-	415,014
Kemeshi	1,733	2,401	13,242	-	1,555	*	-	63,441
Mao Komo	3,333	3,763	11,813	-	839	-	-	75,864
<b>SNNP</b>	663,050	594,534	488,475	23,861	23,214	3,742	-	4,024,191
Gurage	45,564	17,562	9,598	*	2,142	-	-	167,538
Hadiya	48,393	31,326	21,209	2,554	4,068	-	-	555,253
Kembata Tembaro	17,313	8,759	3,127	*	934	*	-	157,744
Sidama	62,323	26,213	9,653	*	*	-	-	418,356
Gedio	3,197	13,541	*	*	*	*	-	136,460
Wolayita	46,550	19,733	8,726	*	1,410	-	-	259,928
South Omo	155,218	173,411	300,477	*	4,631	*	-	444,629
Shaka	8,543	7,680	2,091	*	*	-	-	112,693
Kaffa	82,777	100,908	37,771	7,289	*	1,368	-	428,871
Gamo Gofa	76,556	94,038	26,722	4,249	*	*	-	462,533
Bench Maji	26,794	21,065	5,817	1,299	*	*	-	306,040
Yem Sp. Wereda	2,650	4,930	3,758	-	*	*	-	19,155
Dawro	18,513	17,227	6,636	630	*	471	-	70,608
Basketo Sp. Wereda	4,427	3,804	2,049	*	*	-	-	19,719
Konta Sp. Wereda	15,140	7,737	4,686	*	*	*	-	36,453
Silte	21,770	21,608	7,357	*	1,250	*	-	179,430
Alaba Sp. Wereda	10,678	5,802	5,728	*	1,229	-	-	100,389
Segen People	16,644	19,192	32,876	*	662	-	-	148,392
<b>Gambela Region</b>	27,980	5,227	13,391	*	*	-	-	180,917
Angnuwak	4,048	*	5,045	-	*	-	-	117,580
Nuware	21,591	3,081	7,759	-	-	-	-	11,061
Mezhenger	1,666	1,070	*	*	*	-	-	47,639
Itang Special	676	*	358	-	-	-	-	4,638
<b>Harari</b>	4,350	704	5,113	-	646	-	705	7,245
Hundene	4,350	704	5,113	-	646	-	705	7,245
<b>Dire Dawa</b>	2,067	6,682	16,564	-	331	-	375	24,091

TABLE 3-26- b: ESTIMATED NUMBER OF LIVESTOCK DIED FROM OTHER CAUSES  
BY ZONE AND REGION

Geographic Area	Cattle	Sheep	Goats	Horses	Donkeys	Mules	Camels	Poultry
<b>Ethiopia</b>	832,732	924,955	1,174,343	29,685	118,475	*	15,064	27,820,366
<b>Tigray</b>	*	66,565	232,095	*	12,328	*	*	2,883,501
North West Tigray	44,564	10,556	115,997	-	5,993	-	-	1,112,912
Central Tigray	9,073	8,965	35,988	-	1,345	-	-	579,917
Eastern Tigray	4,672	24,246	12,467	-	1,506	-	-	375,970
Southern Tigray	*	17,965	39,189	-	*	*	*	529,848
Western Tigray	17,468	4,833	28,454	*	1,248	-	*	284,854
<b>Afar</b>	34,652	118,317	177,446	-	8,115	*	9,127	*
Zone 1	22,949	82,567	125,255	-	7,957	*	7,023	*
Zone 3	11,703	35,750	52,190	-	*	-	*	*
<b>Amhara</b>	209,422	385,537	285,692	9,080	46,603	*	*	7,586,051
North Gonder	40,107	53,472	80,981	*	5,998	-	-	2,015,209
South Gonder	21,617	19,593	13,075	*	2,951	-	-	636,426
North Wolo	32,606	22,016	31,066	*	4,011	-	*	542,748
South Wolo	18,280	119,559	30,239	-	3,822	-	*	560,341
North Shewa	26,823	101,116	46,024	*	11,982	-	-	891,014
East Gojam	24,876	21,473	48,244	4,195	9,879	-	-	719,300
West Gojam	18,882	20,459	6,263	-	5,683	*	-	1,306,082
Waghamera	6,040	12,768	15,260	*	895	-	-	118,347
Awi	12,042	6,133	6,542	*	*	-	-	594,157
Oromia	7,585	8,762	7,063	-	*	-	-	178,558
Argoba Special	564	*	936	-	*	-	*	23,869
<b>Oromia</b>	223,851	241,373	293,741	16,190	38,845	*	*	9,832,767
West Wellega	8,088	14,005	6,941	*	*	*	-	795,257
East Wellega	6,658	12,092	2,621	-	857	-	-	449,040
Illubabor	8,638	14,974	4,568	*	*	-	-	594,460
Jimma	22,247	25,518	18,856	*	*	-	-	1,070,295
West Shewa	33,562	24,635	17,011	*	2,773	-	-	453,527
North Shewa	25,003	15,069	8,576	1,377	5,129	-	-	162,523
East Shewa	11,908	18,080	22,063	*	3,151	*	*	422,575
Arsi	20,440	13,037	25,220	1,390	4,948	-	-	877,017
West Harerghe	10,903	8,371	39,180	-	2,975	-	*	1,209,212
East Harerghe	8,379	8,671	43,075	*	6,619	-	*	1,291,619
Bale	11,331	10,946	35,270	*	2,420	*	-	294,302
Borena	9,331	*	25,123	-	*	-	*	254,781
South West Shewa	9,673	5,826	10,640	*	2,151	-	-	222,652
Guji	4,701	11,827	*	*	*	-	*	464,888
West Arsi	19,941	28,730	13,171	2,910	3,554	-	-	463,831
Kelem Wellega	7,022	11,686	5,622	-	*	-	-	616,953
Horoguduru Wellega	6,025	4,433	5,837	*	*	-	-	189,837

TABLE 3-26 – b CONT'D

Geographic Area	Cattle	Sheep	Goats	Horses	Donkeys	Mules	Camels	Poultry
<b>Somale</b>	4,229	19,948	37,916	*	1,312	*	643	72,053
Shinele	295	2,208	8,223	-	*	*	345	*
Jijiga	1,277	*	8,363	*	*	-	-	*
Liben	*	7,999	21,331	-	*	-	*	68,168
<b>Benshangul-Gumuz</b>	11,221	3,520	31,202	*	2,734	-	-	468,234
Metekel	8,246	1,630	15,194	*	1,030	-	-	259,699
Asosa	*	*	10,652	*	1,189	-	-	100,655
Kemeshi	1,103	1,149	4,828	-	469	-	-	88,361
Mao Komo	297	337	527	-	*	-	-	19,519
<b>SNNP</b>	140,903	83,209	101,472	3,652	8,358	-	-	6,706,107
Gurage	11,769	7,795	7,785	*	2,597	-	-	168,908
Hadiya	10,544	5,997	3,352	-	*	-	-	599,786
Kembata Tembaro	3,024	2,003	*	-	-	-	-	206,433
Sidama	6,070	2,325	*	-	*	-	-	768,161
Gedio	*	842	*	-	*	-	-	158,749
Wolayita	5,248	6,991	*	-	-	-	-	526,368
South Omo	*	*	*	*	*	-	-	490,135
Shaka	*	3,544	*	*	-	-	-	248,125
Kaffa	5,315	10,027	6,603	*	*	-	-	1,546,379
Gamo Gofa	12,831	3,177	7,571	*	-	-	-	691,373
Bench Maji	1,268	5,897	*	*	*	-	-	469,334
Yem Sp. Wereda	679	523	936	-	*	-	-	27,970
Dawro	3,818	2,524	2,368	*	-	-	-	117,923
Basketo Sp. Wereda	595	448	1,516	-	-	-	-	29,502
Konta Sp. Wereda	1,077	924	582	-	-	-	-	71,323
Silte	4,668	5,235	5,311	*	*	-	-	305,624
Alaba Sp. Wereda	883	1,176	1,431	-	311	-	-	104,193
Segen People	2,073	1,821	5,450	*	-	-	-	175,821
<b>Gambela Region</b>	12,867	2,071	3,438	-	-	-	-	157,810
Angnuwak	*	*	993	-	-	-	-	87,381
Nuware	11,568	1,484	2,337	-	-	-	-	13,847
Mezhenger	123	225	*	-	-	-	-	38,954
Itang Special	*	*	*	-	-	-	-	17,628
<b>Harari</b>	572	*	2,008	-	-	-	*	47,496
Hundene	572	*	2,008	-	-	-	*	47,496
<b>Dire Dawa</b>	733	4,351	9,333	-	179	-	147	49,950

TABLE 3 -27- a: NUMBER OF HOLDINGS BY SIZE OF CATTLE

Geographic Area	Holdings with no cattle	1-2 Head	3-4 Head	5-9 Head	10-19 Head	20-49 Head	50-99 Head	100-199 Head	>=200 Head
<b>Ethiopia</b>	3,543,881	4,198,344	4,047,994	3,288,956	749,632	131,469	10,708	1,645	327
<b>Tigray</b>	268,011	234,526	293,800	256,339	67,418	13,041	1,227	-	-
North West Tigray	43,738	49,390	66,177	85,622	37,328	8,419	608	-	-
Central Tigray	71,371	71,325	86,100	58,523	1,717	-	-	-	-
Eastern Tigray	58,376	44,269	54,142	28,170	1,320	-	-	-	-
Southern Tigray	69,877	51,912	67,287	50,803	7,551	197	-	-	-
Western Tigray	24,648	17,630	20,094	33,221	19,503	4,425	619	-	-
<b>Afar</b>	79,181	21,908	24,004	43,879	34,078	14,328	1,483	216	-
Zone 1	52,088	13,083	14,903	26,824	22,947	9,844	753	-	-
Zone 3	27,094	8,825	9,100	17,055	11,131	4,484	730	216	-
<b>Amhara</b>	914,619	1,303,423	1,297,447	914,516	137,673	14,718	494	-	-
North Gondar	163,621	198,630	196,549	180,524	46,382	10,085	494	-	-
South Gondar	74,441	172,395	203,054	103,765	4,994	-	-	-	-
North Wolo	63,782	97,570	111,133	48,613	2,644	-	-	-	-
South Wolo	121,114	188,905	227,222	89,428	1,477	-	-	-	-
North Shewa	133,377	180,657	135,141	93,360	4,472	-	-	-	-
East Gojam	139,811	194,751	154,702	121,289	21,503	390	-	-	-
West Gojam	112,386	164,871	161,563	161,815	28,724	2,290	-	-	-
Waghamera	23,904	29,661	28,821	23,117	4,214	120	-	-	-
Awii	51,376	48,681	53,553	71,899	20,140	1,039	-	-	-
Oromia	29,251	25,933	23,873	19,109	2,885	794	-	-	-
Argoba Special	1,557	1,370	1,836	1,597	237	-	-	-	-
<b>Oromia</b>	1,338,738	1,406,447	1,384,214	1,405,359	385,126	60,318	2,231	118	-
West Wellega	120,969	65,216	53,313	57,555	25,020	1,443	-	-	-
East Wellega	34,278	31,028	35,039	47,758	23,818	4,622	105	-	-
Illubabor	75,725	59,369	58,429	80,508	21,905	713	-	-	-
Jimma	122,527	144,974	176,251	181,065	18,431	1,060	-	-	-
West Shewa	115,823	95,017	109,668	117,487	42,981	7,431	-	-	-
North Shewa	66,990	75,738	99,168	109,771	26,513	1,134	-	-	-
East Shewa	91,929	81,104	61,806	60,674	20,308	5,100	-	-	-
Arsi	102,263	142,305	144,781	158,931	44,195	6,649	-	-	-
West Harerghe	70,373	110,170	100,631	58,463	7,050	649	169	-	-
East Harerghe	98,227	204,302	122,402	47,242	2,143	566	-	-	-
Bale	55,382	55,848	77,061	96,796	30,217	5,489	517	-	-
Borena	37,710	34,889	36,183	48,248	20,434	6,856	1,164	118	-
South West Shewa	62,170	86,552	87,037	81,930	11,751	572	-	-	-
Guji	82,999	58,004	55,962	73,395	31,384	7,149	-	-	-
West Arsi	106,916	89,534	108,653	116,236	36,819	5,975	277	-	-
Kelem Wellega	72,563	54,465	40,047	37,352	4,066	402	-	-	-
Horoguduru Wellega	21,890	17,934	17,781	31,948	18,092	4,509	-	-	-

TABLE 3- 27-a CONT'D

Geographic Area	Holdings with no cattle	1-2 Head	3-4 Head	5-9 Head	10-19 Head	20-49 Head	50-99 Head	100-199 Head	>=200 Head
<b>Somale</b>	55,542	28,104	32,279	36,626	11,681	2,506	240	-	-
Shinele	5,880	1,869	1,386	662	148	34	-	-	-
Jijiga	20,551	16,661	22,045	26,937	6,598	585	-	-	-
Liben	29,110	9,575	8,849	9,028	4,935	1,886	240	-	-
	111,707	34,059	21,757	26,266	11,558	3,345	30	-	143
<b>Benshangul-Gumuz</b>	27,921	19,634	12,489	18,885	10,388	3,224	-	-	143
Metekel	60,685	9,592	6,153	5,121	483	-	-	-	-
Asosa	13,114	2,517	2,049	1,838	647	121	30	-	-
Kemeshi	9,986	2,316	1,067	422	41	-	-	-	-
Mao Komo									
	728,847	1,140,371	977,711	595,656	96,072	19,863	4,499	1,252	183
<b>SNNP</b>	31,985	69,962	100,854	61,883	6,145	825	-	-	-
Gurage	31,768	102,807	97,784	48,984	2,800	294	-	-	-
Hadiya	13,752	61,834	51,363	13,984	309	-	-	-	-
Kembata Tembaro	199,378	347,583	205,454	102,788	15,289	559	-	-	-
Sidama	140,276	33,354	7,279	4,874	520	86	-	-	-
Gedio	47,746	150,973	110,136	29,986	231	-	-	-	-
Wolayita	55,355	44,535	36,321	30,754	24,661	13,912	4,083	1,252	183
South Omo	18,917	15,440	9,859	6,904	2,188	409	-	-	-
Shaka	27,265	46,659	68,070	69,986	12,197	1,345	-	-	-
Kaffa	54,191	115,110	117,396	89,938	11,995	573	-	-	-
Gamo Gofa	24,603	32,837	26,860	19,062	2,836	168	320	-	-
Bench Maji	3,665	5,032	6,892	5,526	328	-	-	-	-
Yem Sp. Wereda	5,742	11,615	18,766	26,869	4,077	77	-	-	-
Dawro	5,495	7,494	5,802	2,657	165	-	-	-	-
Basketo Sp. Wereda	4,652	7,976	9,489	7,806	694	-	-	-	-
Konta Sp. Wereda	23,187	43,038	65,999	39,822	2,782	177	-	-	-
Silte	5,584	16,458	18,146	9,527	1,567	-	-	-	-
Alaba Sp. Wereda	35,276	27,667	21,244	24,309	7,289	1,437	96	-	-
Segen People									
	33,665	8,703	5,073	5,810	5,711	3,281	503	58	-
<b>Gambela Region</b>	16,252	3,099	1,582	1,789	470	27	-	-	-
Angnuwak	1,971	585	790	3,179	5,007	3,081	428	58	-
Nuware	11,330	4,975	2,670	668	-	-	-	-	-
Mezhenger	4,111	43	31	174	235	174	75	-	-
Itang Special									
	5,601	9,397	6,357	3,061	226	35	-	-	-
<b>Harari</b>	5,601	9,397	6,357	3,061	226	35	-	-	-
Hundene									
	7,975	11,406	5,352	1,443	89	33	-	-	-
<b>Dire Dawa</b>	7,975	11,406	5,352	1,443	89	33	-	-	-

TABLE 3 -27- b: NUMBER OF HOLDINGS BY SIZE OF SHEEP

Geographic Area	Holdings with no Sheep	1-4 Head	5-9 Head	10-49 Head	50-99 Head	100-199 Head	200-499 Head	>=500 Head
<b>Ethiopia</b>	10,497,593	3,485,678	1,409,388	566,544	11,164	2,095	311	183
<b>Tigray</b>	895,879	108,313	87,263	42,677	115	115	-	-
North West Tigray	267,095	11,614	9,809	2,764	-	-	-	-
Central Tigray	233,081	27,460	19,836	8,659	-	-	-	-
Eastern Tigray	96,070	34,471	35,069	20,667	-	-	-	-
Southern Tigray	189,898	28,339	19,740	9,650	-	-	-	-
Western Tigray	109,737	6,428	2,809	936	115	115	-	-
<b>Afar</b>	97,457	33,248	33,314	52,686	2,083	289	-	-
Zone 1	66,512	20,707	22,746	30,022	455	-	-	-
Zone 3	30,942	12,542	10,568	22,665	1,629	289	-	-
<b>Amhara</b>	2,944,065	927,202	512,144	198,556	923	-	-	-
North Gondar	620,287	99,573	54,699	21,229	497	-	-	-
South Gondar	368,403	126,882	58,796	4,568	-	-	-	-
North Wolo	215,802	51,859	33,693	22,388	-	-	-	-
South Wolo	368,733	110,619	94,269	54,525	-	-	-	-
North Shewa	340,498	92,627	59,715	53,864	303	-	-	-
East Gojam	379,175	147,847	87,736	17,688	-	-	-	-
West Gojam	350,892	191,600	76,647	12,510	-	-	-	-
Waghamera	85,112	13,776	7,438	3,387	124	-	-	-
Awi	131,646	75,100	34,392	5,550	-	-	-	-
Oromia	78,008	16,769	4,487	2,581	-	-	-	-
Argoba Special	5,508	550	273	266	-	-	-	-
<b>Oromia</b>	3,871,379	1,384,564	551,009	173,998	1,057	544	-	-
West Wellega	228,705	71,020	22,084	1,707	-	-	-	-
East Wellega	116,329	40,076	17,553	2,690	-	-	-	-
Illubabor	180,431	87,931	25,877	2,410	-	-	-	-
Jimma	378,063	214,353	49,851	2,041	-	-	-	-
West Shewa	305,150	105,836	54,470	22,951	-	-	-	-
North Shewa	189,849	92,007	66,952	30,220	286	-	-	-
East Shewa	248,820	43,879	19,569	8,653	-	-	-	-
Arsi	321,244	146,115	89,078	42,687	-	-	-	-
West Harerghe	283,192	54,389	8,126	1,798	-	-	-	-
East Harerghe	327,685	121,035	22,224	3,938	-	-	-	-
Bale	266,997	30,966	14,827	7,459	517	544	-	-
Borena	122,149	33,694	20,492	9,014	253	-	-	-
South West Shewa	229,925	67,151	25,975	6,961	-	-	-	-
Guji	184,894	85,348	30,461	8,190	-	-	-	-
West Arsi	285,604	112,020	48,715	18,071	-	-	-	-
Kelem Wellega	138,234	51,401	17,774	1,486	-	-	-	-
Horoguduru Wellega	64,111	27,344	16,977	3,722	-	-	-	-



TABLE 3-27 - b CONT'D

Geographic Area	Holdings with no Sheep	1-4 Head	5-9 Head	10-49 Head	50-99 Head	100-199 Head	200-499 Head	>=500 Head
<b>Somale</b>	67,817	24,534	24,055	47,442	2,251	751	128	-
Shinele	4,146	2,932	1,367	1,480	22	32	-	-
Jijiga	40,495	8,556	10,999	30,401	2,079	719	128	-
Liben	23,176	13,046	11,690	15,561	150	-	-	-
<b>Benshangul-Gumuz</b>	190,097	12,011	5,049	1,708	-	-	-	-
Metekel	82,720	5,873	3,074	1,017	-	-	-	-
Asosa	77,720	3,157	707	450	-	-	-	-
Kemeshi	17,578	1,916	774	48	-	-	-	-
Mao Komo	12,080	1,065	494	193	-	-	-	-
<b>SNNP</b>	2,343,055	978,885	190,447	46,602	4,702	397	183	183
Gurage	170,232	80,061	18,620	2,741	-	-	-	-
Hadiya	180,799	96,057	7,287	294	-	-	-	-
Kembata Tembaro	90,063	48,066	3,113	-	-	-	-	-
Sidama	697,260	156,697	16,535	559	-	-	-	-
Gedio	131,655	44,584	8,704	1,360	86	-	-	-
Wolayita	228,658	108,321	2,093	-	-	-	-	-
South Omo	100,274	50,339	32,687	22,377	4,616	397	183	183
Shaka	36,638	11,603	4,449	1,027	-	-	-	-
Kaffa	99,911	94,476	28,248	2,887	-	-	-	-
Gamo Gofa	273,517	82,099	22,875	10,712	-	-	-	-
Bench Maji	61,305	39,400	5,513	468	-	-	-	-
Yem Sp. Wereda	12,174	7,813	1,456	-	-	-	-	-
Dawro	33,011	29,188	4,875	72	-	-	-	-
Basketo Sp. Wereda	13,681	6,937	940	55	-	-	-	-
Konta Sp. Wereda	21,154	8,814	649	-	-	-	-	-
Silte	82,698	70,532	20,346	1,429	-	-	-	-
Alaba Sp. Wereda	31,042	17,987	2,253	-	-	-	-	-
Segen People	78,982	25,910	9,805	2,621	-	-	-	-
<b>Gambela Region</b>	55,385	4,409	1,487	1,491	32	-	-	-
Angnuwak	22,407	749	-	63	-	-	-	-
Nuware	11,441	1,181	1,147	1,298	32	-	-	-
Mezhenger	16,999	2,400	212	32	-	-	-	-
Itang Special	4,538	79	128	98	-	-	-	-
<b>Harari</b>	21,509	2,743	425	-	-	-	-	-
Hundene	21,509	2,743	425	-	-	-	-	-
<b>Dire Dawa</b>	10,947	9,770	4,195	1,386	-	-	-	-

TABLE 3 -27- c: NUMBER OF HOLDINGS BY SIZE OF GOATS

Geographic Area	Holdings with no Goats	1-4 Head	5-9 Head	10-49 Head	50-99 Head	100-199 Head	200-499 Head	>=500 Head
<b>Ethiopia</b>	11,617,832	2,531,572	1,112,230	674,811	27,596	8,048	684	183
<b>Tigray</b>	715,202	135,807	142,278	137,157	3,090	828	-	-
North West Tigray	140,066	39,136	48,389	61,625	1,470	596	-	-
Central Tigray	163,273	44,216	45,198	35,189	928	232	-	-
Eastern Tigray	155,690	11,803	10,605	8,179	-	-	-	-
Southern Tigray	185,905	25,701	21,619	14,207	195	-	-	-
Western Tigray	70,269	14,951	16,466	17,957	497	-	-	-
<b>Afar</b>	54,700	25,046	31,255	99,811	7,805	460	-	-
Zone 1	34,334	14,077	21,399	65,063	5,470	99	-	-
Zone 3	20,365	10,970	9,856	34,747	2,336	361	-	-
<b>Amhara</b>	3,521,954	627,093	311,410	121,727	706	-	-	-
North Gondar	576,777	105,344	74,391	39,191	582	-	-	-
South Gondar	445,599	79,199	29,276	4,575	-	-	-	-
North Wolo	220,951	62,807	28,927	11,057	-	-	-	-
South Wolo	432,186	142,752	44,446	8,762	-	-	-	-
North Shewa	395,645	93,535	41,136	16,691	-	-	-	-
East Gojam	547,019	40,040	32,575	12,812	-	-	-	-
West Gojam	557,552	46,703	20,843	6,551	-	-	-	-
Waghamera	58,060	19,828	17,549	14,276	124	-	-	-
Awi	216,743	16,960	10,315	2,670	-	-	-	-
Oromia	68,533	17,995	10,889	4,428	-	-	-	-
Argoba Special	2,889	1,931	1,062	715	-	-	-	-
<b>Oromia</b>	4,286,121	1,089,843	432,000	172,916	1,183	488	-	-
West Wellega	279,667	32,992	9,815	1,042	-	-	-	-
East Wellega	145,099	20,553	7,996	3,000	-	-	-	-
Illubabor	226,108	53,112	16,066	1,363	-	-	-	-
Jimma	509,961	101,452	30,827	2,068	-	-	-	-
West Shewa	402,773	48,205	27,825	9,604	-	-	-	-
North Shewa	321,336	37,475	16,246	4,257	-	-	-	-
East Shewa	225,907	52,078	26,154	16,782	-	-	-	-
Arsi	464,458	76,466	36,335	21,865	-	-	-	-
West Harerghe	150,582	135,203	48,045	12,995	340	340	-	-
East Harerghe	201,993	205,920	54,783	12,186	-	-	-	-
Bale	193,465	64,756	41,750	21,339	-	-	-	-
Borena	83,170	36,733	28,677	36,031	843	148	-	-
South West Shewa	242,037	58,883	24,697	4,395	-	-	-	-
Guji	224,149	46,057	24,569	14,118	-	-	-	-
West Arsi	367,975	71,392	17,973	7,070	-	-	-	-
Kelem Wellega	166,489	31,986	9,616	804	-	-	-	-
Horoguduru Wellega	80,950	16,580	10,626	3,998	-	-	-	-

TABLE 3- 27- c CONT'D

Geographic Area	Holdings with no Goats	1-4 Head	5-9 Head	10-49 Head	50-99 Head	100-199 Head	200-499 Head	>=500 Head
<b>Somale</b>	41,422	22,655	30,075	67,658	4,438	626	104	-
Shinele	1,496	2,177	1,898	3,860	474	74	-	-
Jijiga	30,315	12,650	15,101	34,062	1,145	-	104	-
Liben	9,612	7,828	13,076	29,736	2,818	553	-	-
<b>Benshangul-Gumuz</b>	134,525	40,604	22,570	11,055	111	-	-	-
Metekel	61,347	16,756	9,153	5,317	111	-	-	-
Asosa	53,125	15,759	9,584	3,566	-	-	-	-
Kemeshi	10,704	4,925	2,712	1,975	-	-	-	-
Mao Komo	9,352	3,163	1,121	196	-	-	-	-
<b>SNNP</b>	2,802,360	563,377	126,335	55,940	10,035	5,644	580	183
Gurage	231,459	31,784	6,859	1,552	-	-	-	-
Hadiya	225,032	50,340	8,778	287	-	-	-	-
Kembata Tembaro	117,875	21,405	1,557	405	-	-	-	-
Sidama	777,341	81,083	11,079	1,548	-	-	-	-
Gedio	182,981	2,661	555	192	-	-	-	-
Wolayita	283,181	50,621	5,270	-	-	-	-	-
South Omo	113,896	24,187	20,196	36,335	10,035	5,644	580	183
Shaka	46,653	6,061	1,003	-	-	-	-	-
Kaffa	140,967	69,616	14,298	641	-	-	-	-
Gamo Gofa	286,854	83,760	16,313	2,276	-	-	-	-
Bench Maji	81,412	20,459	4,184	631	-	-	-	-
Yem Sp. Wereda	12,269	6,421	2,517	236	-	-	-	-
Dawro	48,233	14,505	4,037	371	-	-	-	-
Basketo Sp. Wereda	18,126	2,510	911	66	-	-	-	-
Konta Sp. Wereda	24,198	6,073	346	-	-	-	-	-
Silte	118,291	44,600	10,865	1,249	-	-	-	-
Alaba Sp. Wereda	30,991	17,121	2,856	314	-	-	-	-
Segen People	62,600	30,171	14,709	9,838	-	-	-	-
<b>Gambela Region</b>	48,718	6,716	4,863	2,480	27	-	-	-
Angnuwak	18,203	3,139	1,444	406	27	-	-	-
Nuware	7,761	2,248	3,094	1,996	-	-	-	-
Mezhenger	18,421	1,107	115	-	-	-	-	-
Itang Special	4,333	223	210	77	-	-	-	-
<b>Harari</b>	8,701	11,729	3,795	452	-	-	-	-
Hundene	8,701	11,729	3,795	452	-	-	-	-
<b>Dire Dawa</b>	4,131	8,702	7,649	5,616	200	-	-	-

TABLE 3 -27- d: NUMBER OF HOLDINGS BY SIZES OF HORSES AND DONKEYS

Geographic Area	Horses					Donkeys				
	Holdings with no Horses	1-2 Head	3-4 Head	5-9 Head	>=10 Head	Holdings with no Donkeys	1-2 Head	3-4 Head	5-9 Head	>=10 Head
<b>Ethiopia</b>	14,723,322	1,091,597	137,166	19,479	1,392	11,141,964	4,461,192	345,431	23,150	1,219
<b>Tigray</b>	1,132,492	1,630	240	-	-	653,855	445,524	33,272	1,459	252
North West Tigray	291,282	-	-	-	-	162,466	119,416	8,802	598	-
Central Tigray	289,036	-	-	-	-	173,926	107,408	7,458	244	-
Eastern Tigray	186,093	184	-	-	-	104,920	77,572	3,785	-	-
Southern Tigray	246,589	798	240	-	-	144,777	90,486	11,496	616	252
Western Tigray	119,492	648	-	-	-	67,768	50,641	1,731	-	-
<b>Afar</b>	218,998	79	-	-	-	156,496	53,884	7,845	852	-
Zone 1	140,363	79	-	-	-	104,936	30,602	4,272	632	-
Zone 3	78,635	-	-	-	-	51,559	23,282	3,574	220	-
<b>Amhara</b>	4,294,703	267,063	20,299	825	-	2,862,571	1,614,603	100,496	4,992	228
North Gondar	780,472	14,373	1,440	-	-	499,908	280,770	14,600	1,007	-
South Gondar	539,926	16,715	2,008	-	-	355,606	191,927	11,116	-	-
North Wolo	300,961	22,106	675	-	-	193,868	123,683	5,759	432	-
South Wolo	563,840	62,455	1,851	-	-	364,015	250,555	13,576	-	-
North Shewa	514,856	30,119	2,032	-	-	277,023	252,110	17,272	602	-
East Gojam	553,281	75,038	3,706	421	-	397,821	212,881	19,592	2,152	-
West Gojam	611,976	17,228	2,042	403	-	444,037	180,090	7,522	-	-
Waghamera	109,679	158	-	-	-	60,111	44,172	5,202	352	-
Awı	211,452	28,690	6,546	-	-	199,648	42,033	4,473	306	228
Oromia	101,664	181	-	-	-	66,481	33,956	1,276	132	-
Argoba Special	6,597	-	-	-	-	4,054	2,426	108	9	-
<b>Oromia</b>	5,292,206	575,040	97,222	16,691	1,392	4,034,056	1,759,938	175,973	12,028	556
West Wellega	322,547	793	176	-	-	241,121	72,921	9,302	172	-
East Wellega	175,316	995	337	-	-	126,044	45,658	4,828	118	-
Illubabor	267,092	24,983	4,199	375	-	270,373	24,872	1,404	-	-
Jimma	578,316	60,904	4,532	556	-	580,309	63,186	813	-	-
West Shewa	407,388	64,406	15,732	881	-	341,419	132,007	14,099	882	-
North Shewa	316,056	56,117	7,141	-	-	223,373	139,352	15,525	1,064	-
East Shewa	308,845	11,917	159	-	-	147,002	142,521	26,893	4,254	251
Arsi	450,149	128,608	19,019	1,348	-	329,753	238,611	28,966	1,794	-
West Harerghe	347,505	-	-	-	-	171,386	169,260	6,859	-	-
East Harerghe	474,448	434	-	-	-	283,139	183,261	8,482	-	-
Bale	282,159	29,222	7,666	1,402	861	165,211	138,292	16,790	818	199
Borena	184,600	854	-	148	-	136,920	43,078	5,205	293	106
South West Shewa	283,107	46,176	729	-	-	191,648	128,302	9,130	932	-
Guji	228,454	60,644	14,227	5,037	531	255,832	47,751	5,048	262	-
West Arsi	369,281	71,000	18,749	5,380	-	328,324	122,344	12,657	1,085	-
Kelem Wellega	202,134	5,707	898	156	-	171,044	36,063	1,788	-	-
Horoguduru Wellega	94,807	12,279	3,659	1,409	-	71,157	32,461	8,183	353	-

TABLE 3-27 – d CONT'D

Geographic Area	Horses					Donkeys				
	Holdings with no Horses	1-2 Head	3-4 Head	5-9 Head	>=10 Head	Holdings with no Donkeys	1-2 Head	3-4 Head	5-9 Head	>=10 Head
<b>Somale</b>	166,879	99	-	-	-	69,694	85,545	11,015	724	-
Shinele	9,979	-	-	-	-	5,629	3,810	453	87	-
Jijiga	93,278	99	-	-	-	40,124	48,243	4,875	135	-
Liben	63,623	-	-	-	-	23,941	33,492	5,688	502	-
<b>Benshangul-Gumuz</b>	207,960	615	236	54	-	161,596	42,716	4,042	511	-
Metekel	91,779	615	236	54	-	70,123	20,433	1,793	335	-
Asosa	82,034	-	-	-	-	62,877	17,315	1,741	101	-
Kemeshi	20,316	-	-	-	-	16,379	3,488	393	56	-
Mao Komo	13,832	-	-	-	-	12,218	1,480	115	19	-
<b>SNNP</b>	3,296,986	246,388	19,170	1,910	-	3,111,971	437,863	11,886	2,551	183
Gurage	223,207	47,322	1,125	-	-	206,288	62,661	1,941	764	-
Hadiya	260,174	23,465	798	-	-	206,734	76,581	1,122	-	-
Kembata Tembaro	135,951	5,291	-	-	-	113,209	28,033	-	-	-
Sidama	842,843	26,001	2,207	-	-	823,285	47,376	390	-	-
Gedio	172,485	13,028	703	173	-	182,178	4,211	-	-	-
Wolayita	338,293	779	-	-	-	305,428	33,161	483	-	-
South Omo	195,409	12,713	2,699	235	-	195,505	11,213	2,464	1,691	183
Shaka	47,480	5,562	611	64	-	51,437	2,280	-	-	-
Kaffa	175,756	42,488	6,707	571	-	224,285	1,237	-	-	-
Gamo Gofa	360,235	25,772	2,330	866	-	349,614	38,686	903	-	-
Bench Maji	100,187	6,094	405	-	-	104,694	1,992	-	-	-
Yem Sp. Wereda	20,924	519	-	-	-	18,127	3,255	61	-	-
Dawro	62,462	4,611	73	-	-	64,835	2,311	-	-	-
Basketo Sp. Wereda	21,190	423	-	-	-	20,621	992	-	-	-
Konta Sp. Wereda	29,068	1,549	-	-	-	29,959	658	-	-	-
Silte	148,928	25,744	333	-	-	100,346	72,770	1,889	-	-
Alaba Sp. Wereda	48,588	2,531	163	-	-	23,765	26,339	1,178	-	-
Segen People	113,807	2,495	1,016	-	-	91,660	24,107	1,455	96	-
<b>Gambela Region</b>	62,121	683	-	-	-	62,458	346	-	-	-
Angnuwak	23,219	-	-	-	-	22,964	255	-	-	-
Nuware	15,099	-	-	-	-	15,099	-	-	-	-
Mezhenger	18,960	683	-	-	-	19,551	92	-	-	-
Itang Special	4,843	-	-	-	-	4,843	-	-	-	-
<b>Harari</b>	24,677	-	-	-	-	14,992	9,429	256	-	-
Hundene	24,677	-	-	-	-	14,992	9,429	256	-	-
<b>Dire Dawa</b>	26,298	-	-	-	-	14,274	11,344	647	33	-

TABLE 3 -27- e: NUMBER OF HOLDINGS BY SIZES OF MULES AND CAMELS

Geographic Area	Mules					Camels				
	Holdings with no Mules	1-2 Head	3-4 Head	5-9 Head	>=10 Head	Holdings with no Camels	1-2 Head	3-4 Head	5-9 Head	>=10 Head
<b>Ethiopia</b>	15,641,071	329,165	2,531	189	-	15,714,821	147,041	41,627	42,116	27,351
<b>Tigray</b>	1,128,761	5,601	-	-	-	1,100,681	27,933	1,906	2,756	1,086
North West Tigray	289,512	1,770	-	-	-	273,564	17,718	-	-	-
Central Tigray	288,804	232	-	-	-	287,111	1,925	-	-	-
Eastern Tigray	185,629	648	-	-	-	186,277	-	-	-	-
Southern Tigray	245,858	1,769	-	-	-	238,270	3,609	1,906	2,756	1,086
Western Tigray	118,959	1,181	-	-	-	115,460	4,680	-	-	-
<b>Afar</b>	218,881	196	-	-	-	150,134	35,566	13,110	12,268	7,999
Zone 1	140,442	-	-	-	-	95,704	29,595	7,079	5,509	2,555
Zone 3	78,439	196	-	-	-	54,431	5,971	6,030	6,759	5,444
<b>Amhara</b>	4,460,971	121,230	689	-	-	4,537,644	42,174	1,817	1,255	-
North Gonder	790,240	6,045	-	-	-	793,811	2,474	-	-	-
South Gonder	547,166	11,483	-	-	-	558,649	-	-	-	-
North Wolo	315,335	8,407	-	-	-	311,624	11,714	-	404	-
South Wolo	599,977	28,169	-	-	-	614,335	13,509	-	302	-
North Shewa	537,631	9,376	-	-	-	537,623	7,875	1,164	345	-
East Gojam	618,307	14,139	-	-	-	632,446	-	-	-	-
West Gojam	606,009	25,218	422	-	-	631,649	-	-	-	-
Waghamera	105,918	3,919	-	-	-	109,837	-	-	-	-
Awi	232,140	14,281	267	-	-	246,688	-	-	-	-
Oromia	101,652	193	-	-	-	94,703	6,377	601	164	-
Argoba Special	6,597	-	-	-	-	6,281	224	52	40	-
<b>Oromia</b>	5,843,641	137,302	1,419	189	-	5,921,303	24,380	14,757	15,991	6,120
West Wellega	320,157	3,359	-	-	-	323,516	-	-	-	-
East Wellega	172,881	3,641	126	-	-	176,648	-	-	-	-
Illubabor	287,412	8,697	351	189	-	296,649	-	-	-	-
Jimma	621,982	22,326	-	-	-	644,308	-	-	-	-
West Shewa	479,192	9,215	-	-	-	488,083	-	-	324	-
North Shewa	376,391	2,923	-	-	-	379,314	-	-	-	-
East Shewa	314,054	6,867	-	-	-	319,095	888	500	250	188
Arsi	573,188	25,621	315	-	-	591,309	1,465	1,954	2,931	1,465
West Harerghe	345,422	2,083	-	-	-	336,633	4,535	2,791	3,258	288
East Harerghe	473,774	1,108	-	-	-	466,064	4,133	1,058	2,443	1,184
Bale	307,259	13,840	211	-	-	312,992	5,613	1,655	829	221
Borena	183,060	2,542	-	-	-	169,113	6,584	4,868	3,631	1,406
South West Shewa	323,113	6,899	-	-	-	330,012	-	-	-	-
Guji	294,493	14,067	333	-	-	302,210	1,059	1,930	2,326	1,368
West Arsi	459,710	4,700	-	-	-	464,410	-	-	-	-
Kelem Wellega	202,649	6,246	-	-	-	208,895	-	-	-	-
Horoguduru Wellega	108,903	3,168	83	-	-	112,052	102	-	-	-

TABLE 3-27 – e CONT'D

Geographic Area	Mules					Camels				
	Holdings with no Mules	1-2 Head	3-4 Head	5-9 Head	>=10 Head	Holdings with no Camels	1-2 Head	3-4 Head	5-9 Head	>=10 Head
<b>Somale</b>	166,921	57	-	-	-	122,121	14,245	9,183	9,398	12,031
Shinele	9,979	-	-	-	-	7,771	1,140	558	243	267
Jijiga	93,320	57	-	-	-	75,732	8,859	3,282	3,191	2,313
Liben	63,623	-	-	-	-	38,618	4,245	5,344	5,964	9,452
<b>Benshangul-Gumuz</b>	207,734	1,131	-	-	-	208,865	-	-	-	-
Metekel	91,641	1,043	-	-	-	92,684	-	-	-	-
Asosa	82,034	-	-	-	-	82,034	-	-	-	-
Kemeshi	20,248	68	-	-	-	20,316	-	-	-	-
Mao Komo	13,812	20	-	-	-	13,832	-	-	-	-
<b>SNNP</b>	3,500,409	63,623	422	-	-	3,564,454	-	-	-	-
Gurage	267,084	4,570	-	-	-	271,654	-	-	-	-
Hadiya	278,586	5,851	-	-	-	284,437	-	-	-	-
Kembata Tembaro	139,859	1,383	-	-	-	141,242	-	-	-	-
Sidama	863,367	7,684	-	-	-	871,051	-	-	-	-
Gedio	182,631	3,758	-	-	-	186,389	-	-	-	-
Wolayita	337,950	1,122	-	-	-	339,072	-	-	-	-
South Omo	206,780	3,926	350	-	-	211,056	-	-	-	-
Shaka	52,565	1,152	-	-	-	53,717	-	-	-	-
Kaffa	215,577	9,945	-	-	-	225,522	-	-	-	-
Gamo Gofa	378,119	11,084	-	-	-	389,203	-	-	-	-
Bench Maji	105,387	1,299	-	-	-	106,686	-	-	-	-
Yem Sp. Wereda	21,351	92	-	-	-	21,443	-	-	-	-
Dawro	61,005	6,068	73	-	-	67,146	-	-	-	-
Basketo Sp. Wereda	20,958	655	-	-	-	21,613	-	-	-	-
Konta Sp. Wereda	30,023	594	-	-	-	30,617	-	-	-	-
Silte	172,429	2,576	-	-	-	175,005	-	-	-	-
Alaba Sp. Wereda	50,835	447	-	-	-	51,282	-	-	-	-
Segen People	115,899	1,419	-	-	-	117,318	-	-	-	-
<b>Gambela Region</b>	62,779	25	-	-	-	62,804	-	-	-	-
Angnuwak	23,219	-	-	-	-	23,219	-	-	-	-
Nuware	15,099	-	-	-	-	15,099	-	-	-	-
Mezhenger	19,618	25	-	-	-	19,643	-	-	-	-
Itang Special	4,843	-	-	-	-	4,843	-	-	-	-
<b>Harari</b>	24,677	-	-	-	-	23,901	273	285	119	99
Hundene	24,677	-	-	-	-	23,901	273	285	119	99
<b>Dire Dawa</b>	26,298	-	-	-	-	22,911	2,471	571	329	16

TABLE 3 -27- f: NUMBER OF HOLDINGS BY SIZE OF POULTRY

Geographic Area	Holdings with no poultry	1-9 Head	10-49 Head	50-99 Head	100-199 Head	>=200 Head
<b>Ethiopia</b>	7,032,382	7,295,374	1,642,866	2,064	270	
<b>Tigray</b>	325,789	623,907	184,475	191	-	-
North West Tigray	71,133	157,916	62,233	-	-	-
Central Tigray	70,490	170,015	48,531	-	-	-
Eastern Tigray	48,377	113,129	24,771	-	-	-
Southern Tigray	96,338	127,650	23,448	191	-	-
Western Tigray	39,452	55,197	25,491	-	-	-
<b>Afar</b>	198,804	16,764	3,454	55	-	-
Zone 1	138,838	995	609	-	-	-
Zone 3	59,966	15,769	2,845	55	-	-
<b>Amhara</b>	1,695,271	2,448,373	439,246	-	-	-
North Gonder	242,614	393,240	160,431	-	-	-
South Gonder	200,475	314,649	43,525	-	-	-
North Wolo	80,360	222,349	21,033	-	-	-
South Wolo	194,111	404,325	29,710	-	-	-
North Shewa	193,259	318,056	35,692	-	-	-
East Gojam	367,903	235,875	28,668	-	-	-
West Gojam	235,744	316,725	79,180	-	-	-
Waghamera	42,873	56,911	10,053	-	-	-
Awi	88,024	136,685	21,979	-	-	-
Oromia	48,331	45,531	7,983	-	-	-
Argoba Special	1,579	4,027	991	-	-	-
<b>Oromia</b>	2,794,351	2,557,451	629,855	697	197	
West Wellega	124,649	153,961	44,906	-	-	-
East Wellega	70,346	80,347	25,955	-	-	-
Illubabor	128,220	136,963	31,466	-	-	-
Jimma	334,635	263,996	45,677	-	-	-
West Shewa	216,814	219,787	51,806	-	-	-
North Shewa	173,432	182,657	22,985	240	-	-
East Shewa	139,207	125,758	55,499	457	-	-
Arsi	256,798	268,698	73,628	-	-	-
West Harerghe	157,746	136,590	53,169	-	-	-
East Harerghe	189,721	247,503	37,658	-	-	-
Bale	207,611	89,037	24,662	-	-	-
Borena	92,000	73,262	20,143	-	197	-
South West Shewa	136,555	163,060	30,397	-	-	-
Guji	172,063	109,195	27,635	-	-	-
West Arsi	280,058	151,630	32,722	-	-	-
Kelem Wellega	70,191	103,344	35,360	-	-	-
Horoguduru Wellega	44,302	51,663	16,189	-	-	-



TABLE 3-27 – f CONT'D

Geographic Area	Holdings with no poultry	1-9 Head	10-49 Head	50-99 Head	100-199 Head	>=200 Head
<b>Somale</b>	135,617	24,586	6,775	-	-	-
Shinele	8,926	933	120	-	-	-
Jijiga	90,110	2,333	934	-	-	-
Liben	36,581	21,321	5,721	-	-	-
<b>Benshangul-Gumuz</b>	79,276	88,136	41,213	240	-	-
Metekel	35,658	39,096	17,930	-	-	-
Asosa	29,738	35,355	16,730	211	-	-
Kemeshi	7,950	7,433	4,904	29	-	-
Mao Komo	5,933	6,251	1,648	-	-	-
<b>SNNP</b>	1,751,408	1,491,832	320,894	320	-	-
Gurage	128,781	122,125	20,748	-	-	-
Hadiya	111,366	140,005	33,066	-	-	-
Kembata Tembaro	63,097	67,651	10,494	-	-	-
Sidama	524,985	307,098	38,968	-	-	-
Gedio	128,020	56,678	1,691	-	-	-
Wolayita	174,105	132,409	32,558	-	-	-
South Omo	77,091	93,025	40,940	-	-	-
Shaka	20,139	29,600	3,978	-	-	-
Kaffa	68,972	127,387	29,163	-	-	-
Gamo Gofa	215,014	140,197	33,992	-	-	-
Bench Maji	37,214	51,387	17,765	320	-	-
Yem Sp. Wereda	9,992	10,618	833	-	-	-
Dawro	34,259	27,279	5,608	-	-	-
Basketo Sp. Wereda	10,056	9,309	2,248	-	-	-
Konta Sp. Wereda	14,839	13,296	2,482	-	-	-
Silte	58,851	94,129	22,025	-	-	-
Alaba Sp. Wereda	19,192	24,074	8,016	-	-	-
Segen People	55,435	45,565	16,318	-	-	-
<b>Gambela Region</b>	29,585	19,424	13,324	454	17	-
Angnuwak	10,001	6,654	6,311	253	-	-
Nuware	6,869	4,155	3,975	83	17	-
Mezhenger	10,119	7,886	1,606	32	-	-
Itang Special	2,597	728	1,432	86	-	-
<b>Harari</b>	13,367	9,147	2,130	33	-	-
Hundene	13,367	9,147	2,130	33	-	-
<b>Dire Dawa</b>	8,912	15,753	1,501	76	56	-

TABLE 3-28: ANIMAL FEED PRACTICES OF PEASNT HOLDERS – PERCENTAGE USED BY TYPE OF FEED, ZONE, AND REGION

Geographic Area	Total (%)	Green Fodder	Crop Residue	Improved Feed	Hay	By-Product	Others
<b>Ethiopia</b>	100	57.13	29.29	0.23	7.24	1.17	4.94
<b>Tigray</b>	100	38.19	39.86	0.21	14.77	2.45	4.53
North West Tigray	100	45.46	29.65	0.11	17.59	1.44	5.75
Central Tigray	100	27.49	51.29	0.23	16.45	2.14	2.4
Eastern Tigray	100	28.87	49.32	0.27	12.04	3.58	5.93
Southern Tigray	100	42.24	41.74	0.31	9.37	3.04	3.3
Western Tigray	100	49.95	22.64	0.1	18.1	2.88	6.33
<b>Afar</b>	100	84.62	7.44	*	3.17	2.26	2.51
Zone 1	100	87.97	7.17	0.01	2.09	1.95	0.82
Zone 3	100	78.52	7.92	-	5.15	2.83	5.58
<b>Amhara</b>	100	37.94	39.2	0.16	15.82	0.68	6.21
North Gonder	100	35.67	36.47	0.43	22.7	0.55	4.18
South Gonder	100	31.6	47.12	0.23	18.62	0.45	1.98
North Wolo	100	33.15	40.4	0.07	17.61	0.5	8.26
South Wolo	100	30.84	41.43	0.14	21.38	0.27	5.95
North Shewa	100	38.65	38.45	0.08	15.36	1.2	6.26
East Gojam	100	44.58	42.39	0.04	4.95	0.68	7.37
West Gojam	100	39.43	37.55	0.08	11.15	1.17	10.62
Waghamera	100	44.34	35.94	-	12.97	0.31	6.43
Awi	100	55.63	25.99	0.03	12.13	0.24	5.99
Oromia	100	48.67	28.41	0.07	14.84	2.02	5.99
Argoba Special	100	49.53	27.58	0.03	17.97	0.38	4.52
<b>Oromia</b>	100	65.48	25.28	0.21	2.95	1.27	4.81
West Wellega	100	86.8	9.87	0.02	0.07	0.19	3.06
East Wellega	100	82.44	13.5	0.09	0.5	0.22	3.24
Illubabor	100	87.65	9.06	0.03	0.11	0.21	2.95
Jimma	100	88.24	8.94	0.02	0.06	0.25	2.49
West Shewa	100	69.33	22.48	0.09	2.86	0.36	4.87
North Shewa	100	44	29.7	0.41	20.76	1.36	3.77
East Shewa	100	43.54	46.54	0.03	1.38	4.88	3.62
Arsi	100	54.66	35	0.03	1.56	1.72	7.03
West Harerghe	100	38.24	39.08	0.27	5.14	1.71	15.56
East Harerghe	100	35.83	49.48	1.47	2.75	1.81	8.67
Bale	100	78.69	18.25	0.06	0.41	1.39	1.21
Borena	100	85.77	9.59	0.03	1.28	0.03	3.29
South West Shewa	100	58.48	32.81	0.01	3.52	1.22	3.96
Guji	100	75.74	17.7	0.17	0.88	0.98	4.53
West Arsi	100	67.92	26.28	0.02	1.41	2.73	1.64
Kelem Wellega	100	78.54	12.27	0.16	4.45	0.52	4.05
Horoguduru Wellega	100	79.21	17.01	0.05	1.3	0.03	2.4

TABLE 3-28 CONT'D

Geographic Area	Total (%)	Green Fodder	Crop Residue	Improved Feed	Hay	By-Product	Others
<b>Somale</b>	100	82.45	15.29	-	0.83	0.09	1.33
Shinele	100	88.07	9.05	-	0.13	0.77	1.97
Jijiga	100	74.59	23.95	-	1.2	0.08	0.17
Liben	100	93.23	3.44	-	0.39	-	2.95
<b>Benshangul-Gumuz</b>	100	81.58	8.9	0.05	2.72	0.33	6.42
Metekel	100	77.13	13.8	0.1	4.6	0.21	4.16
Asosa	100	82.79	4.91	-	1.35	0.12	10.82
Kemeshi	100	96.17	2.84	-	-	0.1	0.89
Mao Komo	100	87.53	4.09	0.06	0.46	2.98	4.88
<b>SNNP</b>	100	69.63	23.17	0.39	1.82	1.18	3.81
Gurage	100	58.26	29.91	0.13	5.03	1.79	4.88
Hadiya	100	61.49	27.75	0.54	3.09	0.76	6.37
Kembata Tembaro	100	55.53	29.47	2.71	1.85	2.48	7.95
Sidama	100	68.21	24.9	0.58	0.59	2.31	3.42
Gedio	100	79.19	19.03	-	0.16	0.39	1.23
Wolayita	100	69.94	19.7	0.43	3.5	2	4.42
South Omo	100	79.08	18.88	0.03	0.1	-	1.92
Shaka	100	96.89	1.36	-	-	0.06	1.69
Kaffa	100	95.24	2.53	-	0.06	0.03	2.13
Gamo Gofa	100	69.68	27.4	-	1.16	0.05	1.72
Bench Maji	100	88.57	6.31	0.01	0.05	0.16	4.9
Yem Sp. Wereda	100	69.72	22.38	0.07	4.81	0.02	3.02
Dawro	100	73.88	16.49	0.1	2.23	0.75	6.55
Basketo Sp. Wereda	100	64.38	29.8	0.73	0.72	1.28	3.09
Konta Sp. Wereda	100	75.2	17.88	0.42	2.51	0.43	3.57
Silte	100	54.13	35.16	0.47	4.62	1.1	4.52
Alaba Sp. Wereda	100	55.48	35.76	0.25	5.5	0.56	2.44
Segen People	100	66.13	28.9	0.06	0.29	0.01	4.61
<b>Gambela Region</b>	100	84.71	2.29	-	-	0.12	12.88
Angnuwak	100	89.06	3.02	-	-	-	7.93
Nuware	100	98.53	1.42	-	-	-	0.05
Mezhenger	100	65.35	2.82	-	-	0.35	31.48
Itang Special	100	99.25	0.31	-	-	-	0.44
<b>Harari</b>	100	36.75	45.1	4.06	0.37	9.62	4.1
Hundene	100	36.75	45.1	4.06	0.37	9.62	4.1
<b>Dire Dawa</b>	100	66.51	24.38	0.35	0.24	5.22	3.31

TABLE 3-29 - a: ANIMAL FEED PRACTICES OF PEASNT HOLDERS – NUMBER OF  
HOLDERS REPORTING BY TYPE OF FEED, ZONE, AND REGION

Geographic Area	Green Fodder	Crop Residue	Improved Feed	Hay	By-Product	Others
<b>Ethiopia</b>	13,853,621	11,838,472	224,221	4,529,981	1,271,198	5,035,633
<b>Tigray</b>	939,089	912,831	13,369	724,366	201,434	228,418
North West Tigray	264,038	258,368	1,690	237,228	54,306	118,689
Central Tigray	215,491	227,005	2,680	178,280	34,264	12,990
Eastern Tigray	152,600	148,701	4,907	100,873	36,801	35,381
Southern Tigray	202,607	183,531	3,622	124,552	46,135	31,269
Western Tigray	104,353	95,226	469	83,432	29,928	30,089
<b>Afar</b>	205,377	67,757	186	21,180	13,588	20,485
Zone 1	134,513	48,752	186	10,388	8,530	6,882
Zone 3	70,864	19,005	-	10,792	5,058	13,602
<b>Amhara</b>	3,978,538	3,825,158	39,700	2,640,355	258,976	1,705,290
North Gonder	683,672	649,243	19,056	577,464	43,437	133,418
South Gonder	510,670	497,826	5,631	375,146	28,442	70,092
North Wolo	273,757	272,089	2,035	194,089	7,803	49,017
South Wolo	530,964	532,021	7,110	434,841	10,419	155,433
North Shewa	464,773	443,744	1,793	311,141	46,421	297,999
East Gojam	559,291	528,121	996	164,926	31,014	425,132
West Gojam	556,739	539,876	2,001	319,535	71,391	409,163
Waghamera	92,475	90,495	-	62,610	1,865	8,968
Awi	215,970	195,579	587	144,876	6,913	137,480
Oromia	84,397	71,238	482	51,634	11,129	17,926
Argoba Special	5,830	4,925	9	4,094	142	663
<b>Oromia</b>	5,189,762	4,178,586	62,912	757,434	500,654	1,858,926
West Wellega	253,328	135,780	262	1,639	3,744	65,269
East Wellega	159,375	117,044	358	4,814	4,014	47,215
Illubabor	257,975	126,351	657	2,030	3,218	98,392
Jimma	585,962	360,043	412	3,685	8,223	136,862
West Shewa	417,584	359,238	2,957	93,007	20,234	237,277
North Shewa	330,338	313,835	9,248	283,107	44,543	145,966
East Shewa	258,315	245,907	464	21,676	97,628	74,014
Arsi	542,613	507,627	1,347	51,937	81,598	224,751
West Harerghe	298,771	297,622	3,946	66,862	41,071	238,963
East Harerghe	402,405	439,543	37,302	70,913	52,350	207,730
Bale	283,522	214,351	970	9,024	30,318	16,758
Borena	165,876	76,762	519	8,326	659	52,359
South West Shewa	291,368	263,956	172	64,653	24,217	108,816
Guji	262,756	187,658	1,811	13,171	9,808	82,684
West Arsi	409,700	350,626	698	36,616	70,804	41,376
Kelem Wellega	165,678	100,521	1,315	16,270	7,921	54,580
Horoguduru Wellega	104,197	81,720	474	9,702	306	25,914

TABLE 3-29 – a CONT'D

Geographic Area	Green Fodder	Crop Residue	Improved Feed	Hay	By-Product	Others
<b>Somale</b>	162,204	98,347	-	8,230	1,893	14,502
Shinele	9,587	3,701	-	110	768	1,229
Jijiga	90,855	81,376	-	6,983	1,124	2,011
Liben	61,762	13,270	-	1,136	-	11,261
<b>Benshangul-Gumuz</b>	160,771	69,922	542	24,091	2,738	46,464
Metekel	77,192	46,956	482	18,501	742	19,379
Asosa	58,990	16,485	-	5,295	467	23,984
Kemeshi	14,883	3,919	-	-	80	1,141
Mao Komo	9,706	2,562	59	295	1,449	1,959
<b>SNNP</b>	3,136,660	2,635,937	102,288	353,680	272,938	1,136,440
Gurage	249,296	230,110	3,657	76,983	35,209	90,191
Hadiya	267,722	257,007	15,139	45,641	22,026	128,964
Kembata Tembaro	135,532	130,121	31,160	15,254	33,956	93,955
Sidama	727,887	644,798	30,400	29,078	93,479	239,713
Gedio	101,694	77,983	-	1,200	1,957	14,104
Wolayita	318,734	298,274	12,189	70,363	61,408	210,893
South Omo	185,290	148,317	374	800	-	28,190
Shaka	42,170	7,072	-	-	337	14,460
Kaffa	212,154	49,583	-	411	1,885	66,253
Gamo Gofa	358,092	341,731	-	25,057	3,374	65,955
Bench Maji	95,222	42,953	84	335	1,116	26,302
Yem Sp. Wereda	19,857	17,719	295	6,971	30	6,112
Dawro	64,808	57,691	459	10,359	3,167	48,578
Basketo Sp. Wereda	18,093	17,217	963	716	1,570	3,697
Konta Sp. Wereda	27,949	22,424	895	3,530	810	6,381
Silte	163,500	156,008	4,825	50,292	9,686	44,593
Alaba Sp. Wereda	48,926	48,070	1,728	14,678	2,650	13,172
Segen People	99,735	88,861	120	2,013	278	34,927
<b>Gambela Region</b>	35,142	4,234	-	-	304	11,088
Angnuwak	9,798	1,546	-	-	-	2,171
Nuware	14,071	1,072	-	-	-	77
Mezhenger	10,275	1,585	-	-	304	8,796
Itang Special	998	31	-	-	-	44
<b>Harari</b>	21,801	22,782	4,524	328	9,345	9,549
Hundene	21,801	22,782	4,524	328	9,345	9,549
<b>Dire Dawa</b>	24,276	22,919	700	318	9,329	4,471

TABLE 3-29 - b: NUMBER OF HOLDERS REPORTING ANIMAL FEED BY SOURCE OF FEED, ZONE, AND REGION

**1. Green Fodder**

Geographic Area	Own Holding	Purchased	Communal/ Government Holding	From any Two or More Sources	Others
<b>Ethiopia</b>	5,509,223	237,997	3,647,533	4,168,188	290,679
<b>Tigray</b>	188,610	3,638	402,746	341,397	2,699
North West Tigray	13,131	307	132,444	117,547	610
Central Tigray	87,480	1,959	56,041	69,564	446
Eastern Tigray	61,399	754	66,552	23,525	370
Southern Tigray	19,162	383	86,562	95,719	781
Western Tigray	7,437	235	61,147	35,043	492
<b>Afar</b>	10,437	529	161,662	27,897	4,852
Zone 1	3,166	-	107,625	23,032	690
Zone 3	7,270	529	54,037	4,865	4,162
<b>Amhara</b>	1,020,890	61,824	1,432,611	1,409,166	54,048
North Gondar	130,373	10,769	350,913	184,660	6,958
South Gondar	81,583	446	217,217	209,702	1,722
North Wolo	149,072	3,948	32,544	81,013	7,179
South Wolo	296,328	28,750	66,477	137,028	2,381
North Shewa	201,303	10,357	93,464	146,485	13,164
East Gojam	43,855	3,991	298,775	210,968	1,703
West Gojam	62,220	1,190	229,462	257,498	6,370
Waghamera	12,561	454	66,217	6,978	6,264
Awı	8,634	714	49,427	150,066	7,128
Oromia	32,738	974	27,226	22,281	1,178
Argoba Special	2,222	231	889	2,488	-
<b>Oromia</b>	2,429,416	141,188	1,021,432	1,416,373	181,354
West Wellega	51,011	892	101,409	98,188	1,828
East Wellega	42,950	3,324	46,826	63,703	2,571
Illubabor	114,119	2,616	51,876	81,987	7,377
Jimma	322,767	10,370	99,708	117,007	36,109
West Shewa	215,742	25,372	32,030	118,121	26,319
North Shewa	167,804	34,712	22,361	75,934	29,527
East Shewa	109,077	4,862	46,786	89,580	8,010
Arsi	325,446	20,210	47,125	120,858	28,974
West Harerghe	163,400	4,634	85,458	44,043	1,236
East Harerghe	215,609	1,870	96,919	86,187	1,820
Bale	74,390	1,890	72,381	132,824	2,038
Borena	51,298	669	95,592	18,317	-
South West Shewa	162,381	13,418	22,573	72,302	20,694
Guji	142,547	1,984	53,686	62,853	1,686
West Arsi	236,382	13,475	20,599	128,745	10,499
Kelem Wellega	22,922	468	93,096	48,745	446
Horoguduru Wellega	11,571	421	33,009	56,977	2,220

TABLE 3-29 – b-1 CONT'D

Geographic Area	Own Holding	Purchased	Communal/ Government Holding	From any Two or More Sources	Others
<b>Somale</b>	11,527	820	117,864	31,820	173
Shinele	127	18	9,264	177	-
Jijiga	11,051	740	53,263	25,801	-
Liben	349	62	55,336	5,842	173
<b>Benshangul-Gumuz</b>	5,497	784	140,392	13,964	134
Metekel	3,144	378	69,198	4,357	116
Asosa	1,234	301	49,195	8,259	-
Kemeshi	514	84	13,571	713	-
Mao Komo	604	21	8,428	635	19
<b>SNNP</b>	1,819,074	28,856	322,438	919,768	46,525
Gurage	112,188	1,998	31,474	101,115	2,520
Hadiya	153,141	852	2,239	108,462	3,028
Kembata Tembaro	59,404	671	4,295	68,448	2,714
Sidama	520,688	3,352	22,916	179,101	1,831
Gedio	85,001	1,481	1,663	13,550	-
Wolayita	143,347	4,386	14,761	149,676	6,564
South Omo	67,343	3,322	68,037	45,600	988
Shaka	30,930	236	3,744	4,013	3,247
Kaffa	167,912	1,830	26,650	5,026	10,735
Gamo Gofa	135,872	7,351	79,936	132,730	2,203
Bench Maji	66,548	182	9,694	11,448	7,349
Yem Sp. Wereda	12,686	664	1,260	4,770	477
Dawro	45,921	909	2,320	13,698	1,961
Basketo Sp. Wereda	9,025	33	4,103	4,516	416
Konta Sp. Wereda	18,714	40	3,921	4,718	556
Silte	131,684	375	1,118	28,599	1,723
Alaba Sp. Wereda	28,367	74	948	19,469	68
Segen People	30,305	1,100	43,359	24,827	143
<b>Gambela Region</b>	7,400	285	25,671	1,172	615
Angnuwak	1,742	-	7,814	-	243
Nuware	17	22	14,033	-	-
Mezhenger	5,625	247	2,859	1,172	372
Itang Special	16	16	966	-	-
<b>Harari</b>	12,980	39	5,973	2,702	106
Hundene	12,980	39	5,973	2,702	106
<b>Dire Dawa</b>	3,393	35	16,745	3,929	174

## 2. Crop Residue

Geographic Area	Own Holding	Purchased	Communal/ Government Holding	From any Two or More Sources	Others
<b>Ethiopia</b>	10,306,195	204,240	101,823	1,083,835	142,380
<b>Tigray</b>	712,432	19,905	6,047	170,078	4,369
North West Tigray	217,524	3,025	1,202	36,319	299
Central Tigray	160,179	3,528	2,223	59,936	1,139
Eastern Tigray	112,681	4,968	1,145	28,604	1,302
Southern Tigray	138,939	5,710	692	36,909	1,281
Western Tigray	83,110	2,673	784	8,310	349
<b>Afar</b>	54,596	1,371	4,983	6,682	125
Zone 1	40,385	441	1,370	6,557	-
Zone 3	14,211	931	3,613	125	125
<b>Amhara</b>	3,187,425	63,697	14,923	505,010	54,104
North Gondar	550,314	14,898	3,212	69,772	11,048
South Gondar	406,728	3,574	1,943	82,434	3,147
North Wolo	212,283	3,246	1,263	53,221	2,076
South Wolo	407,451	9,426	1,267	110,575	3,302
North Shewa	363,732	5,954	2,097	61,146	10,815
East Gojam	454,406	7,071	2,504	56,730	7,410
West Gojam	484,619	9,750	859	38,466	6,182
Waghamera	79,436	1,471	458	9,130	-
Awi	165,656	6,272	932	13,370	9,349
Oromia	58,675	1,971	349	9,469	775
Argoba Special	4,125	65	39	697	-
<b>Oromia</b>	3,783,830	52,417	49,662	232,772	59,904
West Wellega	121,591	5,756	3,590	4,320	524
East Wellega	89,307	1,503	5,495	18,330	2,410
Illubabor	117,829	679	4,236	2,817	790
Jimma	353,976	1,305	1,117	784	2,861
West Shewa	337,342	5,274	565	6,327	9,731
North Shewa	248,208	8,437	4,150	40,463	12,576
East Shewa	223,589	3,229	2,108	14,433	2,549
Arsi	479,569	5,887	1,799	15,308	5,064
West Harerghe	284,949	2,350	921	4,696	4,705
East Harerghe	424,361	2,170	779	9,494	2,739
Bale	182,073	422	3,505	27,182	1,170
Borena	69,496	2,497	2,382	2,388	-
South West Shewa	243,944	3,413	1,779	6,398	8,421
Guji	165,256	2,386	4,014	15,770	233
West Arsi	279,112	5,453	9,862	51,554	4,645
Kelem Wellega	91,942	837	716	7,025	-
Horoguduru Wellega	71,287	819	2,644	5,483	1,486



TABLE 3-29 – b-2 CONT'D

Geographic Area	Own Holding	Purchased	Communal/ Government Holding	From any Two or More Sources	Others
<b>Somale</b>	93,817	2,571	450	1,367	142
Shinele	3,374	26	-	158	142
Jijiga	78,760	1,081	450	1,086	-
Liben	11,683	1,464	-	123	-
<b>Benshangul-Gumuz</b>	63,400	1,785	959	3,355	423
Metekel	41,548	1,551	363	3,088	405
Asosa	15,509	188	522	266	-
Kemeshi	3,919	-	-	-	-
Mao Komo	2,424	46	74	-	18
<b>SNNP</b>	2,363,905	61,955	24,455	163,363	22,259
Gurage	217,187	2,693	4,870	3,807	1,553
Hadiya	246,677	1,123	3,630	5,294	283
Kembata Tembaro	120,318	680	402	7,909	812
Sidama	525,422	39,218	721	75,697	3,740
Gedio	70,350	946	587	5,732	366
Wolayita	255,073	6,348	927	28,358	7,568
South Omo	142,987	642	1,318	2,231	1,138
Shaka	6,421	223	-	147	280
Kaffa	48,134	612	454	-	383
Gamo Gofa	312,893	6,352	5,748	13,582	3,156
Bench Maji	41,744	436	169	252	351
Yem Sp. Wereda	16,279	194	486	687	73
Dawro	50,419	941	819	4,395	1,116
Basketo Sp. Wereda	14,879	65	957	1,137	179
Konta Sp. Wereda	19,439	91	935	1,373	586
Silte	146,701	735	537	8,034	-
Alaba Sp. Wereda	44,789	181	245	2,709	145
Segen People	84,193	473	1,649	2,018	529
<b>Gambela Region</b>	4,155	63	17	-	-
Angnuwak	1,517	29	-	-	-
Nuware	1,056	-	17	-	-
Mezhenger	1,551	34	-	-	-
Itang Special	31	-	-	-	-
<b>Harari</b>	21,344	-	302	979	158
Hundene	21,344	-	302	979	158
<b>Dire Dawa</b>	21,291	476	24	231	897

### 3. Improved Feed

Geographic Area	Own Holding	Purchased	Communal/ Government Holding	From any Two or More Sources	Others
<b>Ethiopia</b>	181,835	27,549	2,224	10,462	2,151
<b>Tigray</b>	9,137	1,154	1,064	2,013	-
North West Tigray	1,690	-	-	-	-
Central Tigray	2,228	-	216	236	-
Eastern Tigray	2,145	377	848	1,538	-
Southern Tigray	2,605	778	-	240	-
Western Tigray	469	-	-	-	-
<b>Afar</b>	-	-	186	-	-
Zone 1	-	-	186	-	-
Zone 3	-	-	-	-	-
<b>Amhara</b>	32,732	6,262	-	272	435
North Gondar	16,523	2,533	-	-	-
South Gondar	5,141	490	-	-	-
North Wolo	1,826	209	-	-	-
South Wolo	5,837	839	-	-	435
North Shewa	1,015	778	-	-	-
East Gojam	432	563	-	-	-
West Gojam	1,271	730	-	-	-
Waghamera	-	-	-	-	-
Awi	316	-	-	272	-
Oromia	362	120	-	-	-
Argoba Special	9	-	-	-	-
<b>Oromia</b>	49,314	8,370	447	4,095	687
West Wellega	262	-	-	-	-
East Wellega	105	-	-	150	104
Illubabor	477	180	-	-	-
Jimma	412	-	-	-	-
West Shewa	2,386	572	-	-	-
North Shewa	7,454	1,215	289	-	289
East Shewa	-	464	-	-	-
Arsi	632	715	-	-	-
West Harerghe	2,973	-	-	974	-
East Harerghe	32,556	1,684	-	2,768	294
Bale	394	576	-	-	-
Borena	173	345	-	-	-
South West Shewa	-	172	-	-	-
Guji	220	1,591	-	-	-
West Arsi	-	698	-	-	-
Kelem Wellega	1,112	-	-	203	-
Horoguduru Wellega	159	158	158	-	-

TABLE 3-29 – b-3 CONT'D

Geographic Area	Own Holding	Purchased	Communal/ Government Holding	From any Two or More Sources	Others
<b>Somale</b>	-	-	-	-	-
Shinele	-	-	-	-	-
Jijiga	-	-	-	-	-
Liben	-	-	-	-	-
<b>Benshangul-Gumuz</b>	433	-	19	91	-
Metekel	392	-	-	91	-
Asosa	-	-	-	-	-
Kemeshi	-	-	-	-	-
Mao Komo	41	-	19	-	-
<b>SNNP</b>	86,335	11,569	509	2,978	897
Gurage	2,768	468	-	421	-
Hadiya	14,867	272	-	-	-
Kembata Tembaro	29,963	533	-	538	127
Sidama	20,407	7,396	-	1,900	698
Gedio	-	-	-	-	-
Wolayita	10,176	1,792	221	-	-
South Omo	-	374	-	-	-
Shaka	-	-	-	-	-
Kaffa	-	-	-	-	-
Gamo Gofa	-	-	-	-	-
Bench Maji	84	-	-	-	-
Yem Sp. Wereda	295	-	-	-	-
Dawro	459	-	-	-	-
Basketo Sp. Wereda	859	33	-	-	72
Konta Sp. Wereda	527	276	92	-	-
Silte	4,443	186	196	-	-
Alaba Sp. Wereda	1,488	240	-	-	-
Segen People	-	-	-	120	-
<b>Gambela Region</b>	-	-	-	-	-
Angnuwak	-	-	-	-	-
Nuware	-	-	-	-	-
Mezhenger	-	-	-	-	-
Itang Special	-	-	-	-	-
<b>Harari</b>	3,257	153	-	981	133
Hundene	3,257	153	-	981	133
<b>Dire Dawa</b>	627	41	-	33	-

#### 4. Hay

Geographic Area	Own Holding	Purchased	Communal/ Government Holding	From any Two or More Sources	Others
<b>Ethiopia</b>	2,877,302	686,084	148,837	742,957	74,801
<b>Tigray</b>	520,107	34,177	21,591	146,020	2,471
North West Tigray	180,722	16,489	2,557	36,848	612
Central Tigray	125,011	6,553	944	44,870	903
Eastern Tigray	72,080	4,811	7,953	15,296	733
Southern Tigray	88,445	1,548	3,719	30,840	-
Western Tigray	53,849	4,776	6,417	18,167	223
<b>Afar</b>	11,657	313	4,434	317	4,459
Zone 1	7,354	189	2,450	99	297
Zone 3	4,303	125	1,985	218	4,162
<b>Amhara</b>	1,581,897	451,213	92,513	471,332	43,399
North Gondar	313,806	134,924	10,392	102,023	16,319
South Gondar	224,813	70,300	4,419	73,117	2,497
North Wolo	143,957	19,295	940	28,467	1,430
South Wolo	255,624	50,838	5,533	120,732	2,115
North Shewa	217,807	18,001	2,835	63,068	9,430
East Gojam	92,394	24,913	28,833	17,525	1,261
West Gojam	152,821	101,271	27,978	32,639	4,826
Waghamera	44,958	2,692	7,441	7,249	270
Awı	94,292	23,642	3,603	18,299	5,040
Oromia	38,329	5,139	529	7,424	213
Argoba Special	3,097	198	9	789	-
<b>Oromia</b>	492,263	139,834	16,264	85,812	23,261
West Wellega	1,639	-	-	-	-
East Wellega	4,562	126	126	-	-
Illubabor	2,030	-	-	-	-
Jimma	3,273	412	-	-	-
West Shewa	67,436	19,187	300	3,494	2,590
North Shewa	163,080	57,253	5,270	41,653	15,850
East Shewa	17,632	2,279	-	1,765	-
Arsi	40,136	5,156	1,064	5,228	354
West Harerghe	41,573	15,893	2,899	5,718	778
East Harerghe	41,511	18,419	947	10,036	-
Bale	7,939	227	427	432	-
Borena	8,208	118	-	-	-
South West Shewa	43,641	9,925	926	7,630	2,532
Guji	9,167	2,433	440	1,130	-
West Arsi	25,811	7,152	1,190	1,556	906
Kelem Wellega	6,632	-	2,675	6,963	-
Horoguduru Wellega	7,991	1,254	-	206	250

TABLE 3-29 – b-4 CONT'D

Geographic Area	Own Holding	Purchased	Communal/ Government Holding	From any Two or More Sources	Others
<b>Somale</b>	6,278	1,820	131	-	-
Shinele	70	41	-	-	-
Jijiga	5,204	1,779	-	-	-
Liben	1,005	-	131	-	-
<b>Benshangul-Gumuz</b>	18,432	1,660	2,373	1,627	-
Metekel	14,166	1,660	1,634	1,042	-
Asosa	3,970	-	739	585	-
Kemeshi	-	-	-	-	-
Mao Komo	295	-	-	-	-
<b>SNNP</b>	246,437	56,681	11,531	37,849	1,182
Gurage	45,683	21,416	-	9,884	-
Hadiya	35,135	5,962	-	4,260	283
Kembata Tembaro	12,345	1,442	-	1,467	-
Sidama	19,574	8,828	-	676	-
Gedio	1,200	-	-	-	-
Wolayita	46,516	12,012	-	11,090	745
South Omo	800	-	-	-	-
Shaka	-	-	-	-	-
Kaffa	411	-	-	-	-
Gamo Gofa	12,320	664	9,032	3,041	-
Bench Maji	335	-	-	-	-
Yem Sp. Wereda	5,810	550	77	496	37
Dawro	7,724	1,090	161	1,315	69
Basketo Sp. Wereda	681	35	-	-	-
Konta Sp. Wereda	2,736	39	243	465	47
Silte	43,016	3,088	623	3,565	-
Alaba Sp. Wereda	11,683	1,447	77	1,471	-
Segen People	469	107	1,318	120	-
<b>Gambela Region</b>	-	-	-	-	-
Angnuwak	-	-	-	-	-
Nuware	-	-	-	-	-
Mezhenger	-	-	-	-	-
Itang Special	-	-	-	-	-
<b>Harari</b>	163	136	-	-	28
Hundene	163	136	-	-	28
<b>Dire Dawa</b>	69	250	-	-	-

## 5. By-Product

Geographic Area	Own Holding	Purchased	Communal/ Government Holding	From any Two or More Sources	Others
<b>Ethiopia</b>	467,905	742,384	4,810	46,304	9,795
<b>Tigray</b>	135,784	45,913	2,820	16,345	572
North West Tigray	45,713	5,173	-	3,420	-
Central Tigray	26,482	3,442	233	3,874	233
Eastern Tigray	11,744	21,730	377	2,949	-
Southern Tigray	28,183	12,805	2,110	3,036	-
Western Tigray	23,661	2,763	99	3,066	339
<b>Afar</b>	661	12,139	287	502	-
Zone 1	388	7,641	-	502	-
Zone 3	273	4,498	287	-	-
<b>Amhara</b>	125,658	124,001	948	6,690	1,679
North Gondar	30,996	10,851	549	1,041	-
South Gondar	19,471	6,462	398	1,220	891
North Wolo	1,593	5,478	-	732	-
South Wolo	343	10,077	-	-	-
North Shewa	10,221	35,903	-	296	-
East Gojam	18,997	12,017	-	-	-
West Gojam	36,776	30,887	-	2,940	789
Waghamera	1,057	468	-	340	-
Awi	5,807	1,106	-	-	-
Oromia	366	10,642	-	120	-
Argoba Special	30	111	-	-	-
<b>Oromia</b>	133,759	343,612	717	20,119	2,447
West Wellega	3,744	-	-	-	-
East Wellega	2,971	845	99	99	-
Illubabor	1,117	1,913	-	188	-
Jimma	4,632	3,219	373	-	-
West Shewa	14,100	6,134	-	-	-
North Shewa	7,194	36,738	-	611	-
East Shewa	10,363	84,308	-	2,762	196
Arsi	13,509	65,022	-	2,463	604
West Harerghe	7,471	31,141	-	1,623	837
East Harerghe	3,200	49,150	-	-	-
Bale	16,559	11,041	-	2,349	368
Borena	-	659	-	-	-
South West Shewa	11,991	11,810	172	244	-
Guji	6,852	1,051	-	1,906	-
West Arsi	22,829	40,100	-	7,875	-
Kelem Wellega	6,996	482	-	-	443
Horoguduru Wellega	232	-	73	-	-

TABLE 3-29 – b-5 CONT'D

Geographic Area	Own Holding	Purchased	Communal/ Government Holding	From any Two or More Sources	Others
<b>Somale</b>	707	1,185	-	-	-
Shinele	-	768	-	-	-
Jijiga	707	417	-	-	-
Liben	-	-	-	-	-
<b>Benshangul-Gumuz</b>	2,394	163	38	142	-
Metekel	610	132	-	-	-
Asosa	324	-	-	142	-
Kemeshi	67	12	-	-	-
Mao Komo	1,392	19	38	-	-
<b>SNNP</b>	68,611	196,862	-	2,368	5,097
Gurage	8,989	22,732	-	1,009	2,479
Hadiya	8,248	13,253	-	-	525
Kembata Tembaro	4,166	29,634	-	156	-
Sidama	24,874	68,605	-	-	-
Gedio	194	1,762	-	-	-
Wolayita	9,733	50,936	-	739	-
South Omo	-	-	-	-	-
Shaka	263	74	-	-	-
Kaffa	1,463	-	-	-	421
Gamo Gofa	2,837	537	-	-	-
Bench Maji	460	64	-	-	593
Yem Sp. Wereda	30	-	-	-	-
Dawro	2,062	764	-	341	-
Basketo Sp. Wereda	1,468	64	-	38	-
Konta Sp. Wereda	678	46	-	85	-
Silte	2,742	5,866	-	-	1,079
Alaba Sp. Wereda	360	2,291	-	-	-
Segen People	43	235	-	-	-
<b>Gambela Region</b>	164	105	-	35	-
Angnuwak	-	-	-	-	-
Nuware	-	-	-	-	-
Mezhenger	164	105	-	35	-
Itang Special	-	-	-	-	-
<b>Harari</b>	167	9,076	-	103	-
Hundene	167	9,076	-	103	-
<b>Dire Dawa</b>	-	9,329	-	-	-

TABLE 3 – 30: ESTIMATED NUMBER OF HOLDERS PRACTICED LIVESTOCK EXTENSION PACKAGES DURING THE REFERENCE PERIOD BY ZONE AND REGION

Geographic Area	Number of Holders Practiced				
	Dairy Development Package	Beef/Meat/Mutton Development Package	Poultry Development Package	Honey and Wax Development Package	Any Two or More Packages
<b>Ethiopia</b>	42,188	31,288	50,380	7,782	7,296
<b>Tigray</b>	18,237	8,840	23,379	2,717	4,855
North West Tigray	2,435	584	898	1,298	304
Central Tigray	5,102	924	7,585	743	665
Eastern Tigray	3,779	2,085	8,862	568	1,734
Southern Tigray	6,287	5,248	3,959	-	2,055
Western Tigray	633	-	2,075	108	98
<b>Afar</b>	-	-	-	-	-
Zone 1	-	-	-	-	-
Zone 3	-	-	-	-	-
<b>Amhara</b>	4,931	9,500	4,384	2,264	282
North Gondar	3,617	-	-	-	-
South Gondar	-	-	-	1,318	-
North Wolo	-	1,212	223	-	282
South Wolo	368	1,532	-	-	-
North Shewa	-	940	1,619	-	-
East Gojam	893	4,144	810	417	-
West Gojam	-	1,673	1,430	394	-
Waghamera	53	-	113	135	-
Awi	-	-	68	-	-
Oromia	-	-	120	-	-
Argoba Special	-	-	-	-	-
<b>Oromia</b>	11,606	11,863	18,098	1,287	1,359
West Wellega	-	776	2,159	-	-
East Wellega	294	150	510	-	-
Illubabor	163	-	1,978	707	-
Jimma	-	394	1,547	-	373
West Shewa	-	581	2,830	-	-
North Shewa	1,684	856	1,537	312	-
East Shewa	748	-	964	-	499
Arsi	2,080	-	1,857	-	-
West Harerghe	169	5,564	1,177	-	-
East Harerghe	3,797	1,423	343	-	-
Bale	441	-	407	-	211
Borena	-	-	-	-	-
South West Shewa	226	1,109	509	268	-
Guji	-	-	531	-	-
West Arsi	1,723	895	555	-	277
Kelem Wellega	-	116	992	-	-
Horoguduru Wellega	281	-	200	-	-



TABLE 3 – 30 CONT'D

Geographic Area	Number of Holders Practiced				
	Dairy Development Package	Beef/Meat/Mutton Development Package	Poultry Development Package	Honey and Wax Development Package	Any Two or More Packages
<b>Somale</b>	-	-	-	-	-
Shinele	-	-	-	-	-
Jijiga	-	-	-	-	-
Liben	-	-	-	-	-
<b>Benshangul-Gumuz</b>	-	98	226	71	-
Metekel	-	91	88	71	-
Asosa	-	-	137	-	-
Kemeshi	-	8	-	-	-
Mao Komo	-	-	-	-	-
<b>SNNP</b>	7,338	954	4,157	1,443	767
Gurage	-	-	-	638	-
Hadiya	330	-	262	283	-
Kembata Tembaro	776	-	938	-	-
Sidama	5,306	-	-	-	-
Gedio	-	-	-	197	-
Wolayita	-	-	737	-	674
South Omo	-	-	693	-	-
Shaka	82	-	77	64	-
Kaffa	-	-	569	223	-
Gamo Gofa	-	-	-	-	-
Bench Maji	-	-	-	-	-
Yem Sp. Wereda	240	342	267	38	33
Dawro	214	343	263	-	-
Basketo Sp. Wereda	-	-	-	-	-
Konta Sp. Wereda	-	-	-	-	61
Silte	359	270	351	-	-
Alaba Sp. Wereda	-	-	-	-	-
Segen People	31	-	-	-	-
<b>Gambela Region</b>	-	-	21	-	-
Angnuwak	-	-	-	-	-
Nuware	-	-	-	-	-
Mezhenger	-	-	21	-	-
Itang Special	-	-	-	-	-
<b>Harari</b>	-	-	39	-	-
Hundene	-	-	39	-	-
<b>Dire Dawa</b>	77	32	77	-	33

**ANNEX TABLES PRESENTING  
ESTIMATES, STANDARD ERRORS, AND COEFFICIENTS OF  
VARIATION  
FOR  
SELECTED LIVESTOCK VARIABLES**

**[Annex Tables 1 –10]**



Annex Table 1- Estimates of Livestock, Standard Errors and Coefficients of Variation by Type, and Region

Geographic Area	CATTLE			SHEEP			GOATS		
	Number	SE	CV	Number	SE	CV	Number	SE	CV
Ethiopia .....	55,027,280	782,516	1.42	27,347,933	855,681	3.13	28,163,332	1,221,787	4.34
Tigray.....	4,298,023	177,376	4.13	1,481,963	110,352	7.45	4,000,252	276,743	6.92
Afar .....	1,359,908	155,508	11.44	1,474,618	210,023	14.24	2,984,271	500,933	16.79
Amhara .....	14,225,988	331,179	2.33	8,518,066	452,499	5.31	5,291,571	300,285	5.67
Oromia .....	22,505,219	471,631	2.1	9,493,622	396,149	4.17	8,151,014	416,600	5.11
Somali .....	610,898	54,701	8.95	1,420,767	198,036	13.94	2,033,165	205,013	10.08
Benshangul-Gumuz.....	604,563	81,652	13.51	83,825	12,333	14.71	417,424	42,396	10.16
SNNP .....	11,044,147	462,928	4.19	4,748,676	524,157	11.04	4,953,588	925,842	18.69
Gambella.....	276,246	23,721	8.59	45,428	6,068	13.36	89,860	10,562	11.75
Harari .....	57,258	5,883	10.27	8,401	1,843	21.94	58,432	4,413	7.55
Dire Dawa .....	45,030	3,393	7.54	72,565	7,896	10.88	183,755	19,360	10.54

Annex Table 1-Cont'd

Geographic Area	HORSES			MULES			DONKEYS			CAMELS		
	Number	SE	CV	Number	SE	CV	Number	SE	CV	Number	SE	CV
Ethiopia .....	1,963,010	112,790	5.75	356,087	19,924	5.6	6,953,077	119,143	1.71	1,098,312	115,130	10.48
Tigray.....	2,878	1,366	47.47	5,895	1,494	25.34	697,421	27,095	3.89	87,163	27,608	31.67
Afar .....	79	78	98.64	196	193	98.24	103,830	19,208	18.5	335,039	68,557	20.46
Amhara.....	404,814	53,280	13.16	129,832	13,435	10.35	2,428,758	70,378	2.9	64,389	11,932	18.53
Oromia .....	1,186,437	92,690	7.81	151,110	12,036	7.96	2,898,282	81,724	2.82	268,089	62,345	23.26
Somali .....	99	99	100.32	57	57	100.45	156,011	15,118	9.69	332,150	61,284	18.45
Benshangul-Gumuz.....	2,012	1,354	67.28	1,131	349	30.82	68,484	6,739	9.84	-	-	-
SNNP .....	366,008	35,884	9.8	67,840	8,319	12.26	571,191	34,369	6.02	-	-	-
Gambella .....	683	257	37.71	25	25	96.55	346	230	66.4	-	-	-
Harari .....	-	-	-	-	-	-	11,620	1,565	13.46	4,353	2,412	55.41
Dire Dawa .....	-	-	-	-	-	-	17,132	1,556	9.08	7,129	1,332	18.69

Annex Table 2- Estimates of Cattle, Standard Errors and Coefficients of Variation by Age group, and Region

**Male Cattle**

Geographic Area	<6MONTHS			6MONTHS <1YEAR			1-<3YEARS			3-<10YEARS			10YEARS & OLDER		
	Number	SE	CV	Number	SE	CV	Number	SE	CV	Number	SE	CV	Number	SE	CV
Ethiopia .....	2,514,073	52,575	2.09	2,099,315	45,349	2.16	1,095,873	73,792	1.8	15,121,553	191,104	1.26	724,758	37,311	5.15
Tigray .....	202,772	13,016	6.42	141,121	10,879	7.71	320,603	17,267	5.39	1,296,942	36,887	2.84	119,615	11,609	9.71
Afar .....	86,694	12,709	14.66	56,382	7,895	14	47,930	6,895	14.38	106,333	17,706	16.65	3,370	1,531	45.44
Amhara .....	539,312	21,556	4	397,144	18,443	4.64	1,134,894	36,674	3.23	4,829,625	107,132	2.22	357,985	29,019	8.11
Oromia.....	1,031,391	35,421	3.43	919,877	30,142	3.28	1,749,564	46,848	2.68	6,419,462	122,053	1.9	199,517	18,041	9.04
Somali .....	46,868	5,098	10.88	28,283	3,607	12.75	49,051	6,387	13.02	77,266	11,951	15.47	582	432	74.22
Benshangul-Gumuz .....	24,270	3,063	12.62	23,017	2,290	9.95	46,751	4,622	9.89	144,603	12,941	8.95	3,642	978	26.86
SNNP.....	562,533	25,985	4.62	514,457	24,616	4.78	718,035	38,629	5.38	2,199,166	90,198	4.1	39,697	9,287	23.4
Gambella .....	13,847	1,674	12.09	14,091	1,575	11.18	17,624	2,152	12.21	33,630	4,878	14.51	315	132	42
Harari.....	3,494	564	16.15	3,240	583	18	6,260	702	11.21	7,582	1,431	18.87	-	-	-
Dire Dawa.....	2,890	391	13.54	1,702	295	17.35	5,162	595	11.53	6,944	838	12.07	35	33	94.69

Annex Table 2- Cont'd

**Female Cattle**

Geographic Area	<6MONTHS			6MONTHS <1YEAR			1-<3YEARS			3-<10YEARS			10YEARS & OLDER		
	Number	SE	CV	Number	SE	CV	Number	SE	CV	Number	SE	CV	Number	SE	CV
Ethiopia .....	2,714,593	58,931	2.17	2,280,780	51,880	2.27	1,930,712	97,590	1.98	19,853,243	360,155	1.81	692,382	38,447	5.55
Tigray .....	222,276	15,581	7.01	165,978	13,757	8.29	378,538	31,639	8.36	1,367,592	61,029	4.46	82,587	10,004	12.11
Afar .....	127,495	17,950	14.08	93,660	13,931	14.87	145,007	21,338	14.72	676,247	79,824	11.8	16,790	6,303	37.54
Amhara .....	570,532	23,715	4.16	426,235	19,987	4.69	1,206,341	41,925	3.48	4,528,320	126,051	2.78	235,600	21,747	9.23
Oromia.....	1,094,883	36,876	3.37	949,870	35,397	3.73	1,970,566	51,612	2.62	7,935,813	207,623	2.62	234,276	20,070	8.57
Somali .....	46,752	4,660	9.97	35,124	4,150	11.82	57,730	7,750	13.42	267,437	22,222	8.31	1,805	693	38.41
Benshangul-Gumuz .....	25,458	4,836	18.99	24,220	3,023	12.48	55,881	7,951	14.23	251,165	61,285	24.4	5,556	1,410	25.38
SNNP.....	606,186	30,592	5.05	560,946	24,976	4.45	1,074,568	59,188	5.51	4,656,146	237,150	5.09	112,412	21,439	19.07
Gambella .....	15,012	2,062	13.73	19,584	2,295	11.72	29,802	4,293	14.4	130,139	11,048	8.49	2,202	653	29.67
Harari.....	3,273	542	16.57	3,120	503	16.13	5,956	632	10.6	23,799	2,415	10.15	533	161	30.27
Dire Dawa.....	2,726	423	15.51	2,043	340	16.67	6,321	721	11.4	16,585	1,241	7.48	621	217	34.87

Annex Table 3- Estimates of Sheep, Standard Errors and Coefficients of Variation by Age group, and Region

**Male Sheep**

Geographic Area	<6MONTHS			6MONTHS - <1YEAR			1-<2YEARS			2 YEARS & OLDER		
	Number	SE	CV	Number	SE	CV	Number	SE	CV	Number	SE	CV
Ethiopia .....	3,379,919	102,429	3.03	1,315,379	56,379	4.29	1,086,210	66,660	6.14	1,679,201	112,182	6.68
Tigray .....	151,309	13,592	8.98	77,236	7,340	9.5	57,591	6,841	11.88	92,298	11,980	12.98
Afar .....	140,335	22,314	15.9	57,262	8,369	14.62	58,044	10,498	18.09	95,244	18,400	19.32
Amhara .....	1,023,789	57,418	5.61	387,183	30,922	7.99	344,823	33,262	9.65	514,193	49,937	9.71
Oromia.....	1,385,496	57,506	4.15	456,566	25,161	5.51	299,781	22,617	7.54	431,094	38,315	8.89
Somali .....	118,796	12,877	10.84	79,398	13,513	17.02	95,930	27,632	28.8	168,336	25,260	15.01
Benshangul-Gumuz .....	14,060	2,363	16.8	4,433	987	22.26	2,765	615	22.23	3,020	651	21.56
SNNP.....	531,177	55,061	10.37	246,292	35,793	14.53	219,771	43,630	19.85	368,386	86,610	23.51
Gambella .....	4,892	868	17.74	2,692	492	18.28	3,416	766	22.42	3,887	814	20.93
Harari.....	969	293	30.24	384	150	38.96	391	117	29.8	320	167	52.08
Dire Dawa.....	9,095	1,094	12.03	3,934	684	17.4	3,697	783	21.18	2,422	692	28.59

Annex Table 3-Cont'd

**Female Sheep**

Geographic Area	<6MONTHS			6MONTHS - <1YEAR			1-<2YEARS			2 YEARS & OLDER		
	Number	SE	CV	Number	SE	CV	Number	SE	CV	Number	SE	CV
Ethiopia .....	3,520,715	105,428	2.99	1,645,799	68,045	4.13	1,969,383	89,059	4.52	12,751,326	381,692	2.99
Tigray .....	152,386	14,245	9.35	116,335	11,678	10.04	149,036	17,010	11.41	685,771	50,194	7.32
Afar .....	178,323	30,676	17.2	118,499	22,833	19.27	151,841	27,334	18	675,070	95,974	14.22
Amhara .....	1,012,213	60,279	5.96	446,255	36,374	8.15	562,880	42,879	7.62	4,226,729	233,856	5.53
Oromia.....	1,455,584	65,412	4.49	543,477	28,446	5.23	565,262	33,406	5.91	4,356,361	183,913	4.22
Somali .....	138,866	16,308	11.74	100,875	16,651	16.51	144,834	33,424	23.08	573,731	76,604	13.35
Benshangul-Gumuz .....	12,339	2,053	16.64	4,412	1,088	24.67	6,385	1,739	27.23	36,410	5,058	13.89
SNNP.....	555,409	42,265	7.61	307,252	39,501	12.86	375,899	53,080	14.12	2,144,490	198,836	9.27
Gambella .....	5,200	861	16.55	3,417	801	23.43	3,756	916	24.39	18,170	2,372	13.06
Harari.....	1,062	313	29.42	405	138	34.18	686	202	29.41	4,184	876	20.94
Dire Dawa.....	9,332	1,172	12.56	4,872	840	17.24	8,804	1,372	15.58	30,409	3,064	10.08

Annex Table 4- Estimates of Goats, Standard Errors and Coefficients of Variation by Age group, and Region

**Male Goats**

Geographic Area	<6MONTHS			6MONTHS - <1YEAR			1-<2YEARS			2 YEARS & OLDER		
	Number	SE	CV	Number	SE	CV	Number	SE	CV	Number	SE	CV
Ethiopia .....	3,149,779	104,648	3.32	1,453,883	69,760	4.8	1,318,390	105,857	8.03	990	175,425	7.8
Tigray.....	380,252	26,872	7.07	205,826	20,792	10.1	170,230	20,258	11.9	304,656	28,677	9.41
Afar .....	246,551	54,077	21.93	107,612	19,650	18.26	98,180	19,760	20.13	197,268	43,964	22.29
Amhara.....	649,345	43,861	6.75	287,091	20,937	7.29	275,960	24,590	8.91	478,280	38,108	7.97
Oromia.....	1,144,981	53,294	4.65	442,906	25,763	5.82	315,292	21,865	6.93	449,183	36,662	8.16
Somali .....	178,656	14,990	8.39	107,434	15,007	13.97	114,618	19,890	17.35	233,414	31,838	13.64
Benshangul-Gumuz .....	65,751	6,892	10.48	19,177	2,354	12.28	13,536	2,065	15.25	19,943	2,685	13.46
SNNP.....	445,905	47,551	10.66	264,763	52,081	19.67	314,395	94,448	30.04	550,105	155,550	28.28
Gambella .....	12,276	1,536	12.51	5,336	899	16.84	3,459	606	17.52	3,988	727	18.22
Harari.....	5,362	631	11.76	4,132	522	12.63	4,052	518	12.79	3,764	1,138	30.23
Dire Dawa.....	20,701	2,140	10.34	9,606	1,311	13.65	8,668	1,136	13.1	9,390	2,006	21.36

Annex Table 4 – Cont'd

**Female Goats**

Geographic Area	<6MONTHS			6MONTHS - <1YEAR			1-<2YEARS			2 YEARS & OLDER		
	Number	SE	CV	Number	SE	CV	Number	SE	CV	Number	SE	CV
Ethiopia .....	3,454,216	126,391	3.66	1,985,728	94,974	4.78	2,348,038	148,548	6.33	12,203,307	520,929	4.27
Tigray.....	425,756	30,818	7.24	332,238	31,673	9.53	418,249	40,722	9.74	1,763,046	120,431	6.83
Afar .....	364,009	73,172	20.1	232,272	39,106	16.84	337,914	65,632	19.42	1,400,465	216,080	15.43
Amhara.....	679,835	47,263	6.95	354,284	27,772	7.84	351,943	31,267	8.88	2,214,833	123,480	5.58
Oromia.....	1,187,053	62,072	5.23	562,367	39,508	7.03	564,783	44,301	7.84	3,484,448	183,418	5.26
Somali .....	216,037	20,552	9.51	147,503	18,758	12.72	164,343	19,154	11.66	871,161	93,392	10.72
Benshangul-Gumuz .....	70,749	8,709	12.31	29,505	3,719	12.6	27,115	3,817	14.08	171,648	19,423	11.32
SNNP.....	469,654	55,468	11.81	302,066	61,505	20.36	445,108	112,978	25.38	2,161,593	390,005	18.04
Gambella .....	12,441	1,619	13.02	7,373	1,014	13.75	8,509	1,664	19.56	36,479	4,521	12.39
Harari.....	6,897	735	10.66	4,061	674	16.59	5,307	627	11.82	24,856	1,915	7.7
Dire Dawa.....	21,785	2,429	11.15	14,060	2,328	16.56	24,767	3,411	13.77	74,779	7,529	10.07

Annex Table 5- Estimates of Horses, Standard Errors and Coefficients of Variation by Age group, and Region

Geographic Area	MALE						FEMALE					
	<3YEARS			3YEARS & OLDER			<3YEARS			3YEARS & OLDER		
	Number	SE	CV	Number	SE	CV	Number	SE	CV	Number	SE	CV
Ethiopia .....	200,936	14,818	7.37	750,708	42,315	5.64	190,600	14,569	7.64	820,766	54,463	6.64
Tigray .....	-	-	-	1,328	509	38.37	240	239	99.7	1,310	796	60.79
Afar .....	-	-	-	79	78	98.64	-	-	-	-	-	-
Amhara .....	37,640	6,036	16.04	127,382	17,522	13.76	36,913	6,281	17.01	202,879	31,758	15.65
Oromia.....	132,003	12,788	9.69	467,073	35,318	7.56	121,140	12,405	10.24	466,222	40,460	8.68
Somali .....	-	-	-	99	99	100.32	-	-	-	-	-	-
Benshangul-Gumuz .....	500	387	77.39	298	179	60.09	525	453	86.17	689	426	61.86
SNNP.....	30,793	4,412	14.33	153,768	15,354	9.99	31,782	4,321	13.6	149,666	17,882	11.95
Gambella .....	-	-	-	683	257	37.71	-	-	-	-	-	-
Harari.....	-	-	-	-	-	-	-	-	-	-	-	-
Dire Dawa.....	-	-	-	-	-	-	-	-	-	-	-	-

Annex Table 6- Estimates of Donkeys, Standard Errors and Coefficients of Variation by Age group, and Region

Geographic Area	MALE						FEMALE					
	<3YEARS			3YEARS & OLDER			<3YEARS			3YEARS & OLDER		
	Number	SE	CV	Number	SE	CV	Number	SE	CV	Number	SE	CV
Ethiopia .....	799,054	22,073	2.76	2,474,712	68,620	2.77	774,382	23,678	3.06	2,904,929	65,587	2.26
Tigray .....	77,898	5,862	7.53	293,751	17,821	6.07	72,566	6,800	9.37	253,206	14,485	5.72
Afar .....	18,065	4,494	24.88	30,888	7,142	23.12	8,498	1,994	23.46	46,380	8,896	19.18
Amhara .....	298,132	14,103	4.73	741,687	45,511	6.14	325,000	17,438	5.37	1,063,939	39,099	3.67
Oromia.....	339,350	14,409	4.25	1,035,123	42,144	4.07	309,071	13,617	4.41	1,214,738	45,746	3.77
Somali .....	16,318	2,125	13.03	63,469	6,189	9.75	13,554	1,815	13.39	62,670	7,883	12.58
Benshangul-Gumuz .....	7,086	1,140	16.08	38,097	4,143	10.87	5,337	1,258	23.57	17,964	2,705	15.06
SNNP.....	39,089	4,492	11.49	260,916	20,855	7.99	37,158	3,979	10.71	234,027	17,904	7.65
Gambella .....	56	59	106.42	291	180	61.72	-	-	-	-	-	-
Harari.....	736	182	24.8	6,857	1,413	20.6	1,018	308	30.29	3,009	617	20.52
Dire Dawa.....	2,326	305	13.11	3,632	510	14.05	2,179	352	16.13	8,995	974	10.83



Annex Table 7- Estimates of Mules, Standard Errors and Coefficients of Variation by Age group, and Region

Geographic Area	MALE						FEMALE					
	<3YEARS			3YEARS & OLDER			<3YEARS			3YEARS & OLDER		
	Number	SE	CV	Number	SE	CV	Number	SE	CV	Number	SE	CV
Ethiopia .....	28,752	3,886	13.52	158,039	11,659	7.38	24,722	3,982	16.11	144,574	9,068	6.27
Tigray .....	-	-	-	2,856	1,166	40.81	-	-	-	3,039	897	29.51
Afar .....	-	-	-	-	-	-	-	-	-	196	193	98.24
Amhara .....	17,395	3,096	17.8	46,598	6,497	13.94	14,957	3,566	23.84	50,881	6,085	11.96
Oromia.....	9,163	2,251	24.57	67,992	7,305	10.74	7,440	1,607	21.6	66,515	5,947	8.94
Somali .....	-	-	-	57	57	100.45	-	-	-	-	-	-
Benshangul-Gumuz .....	107	104	96.86	578	228	39.5	-	-	-	446	175	39.2
SNNP.....	2,086	664	31.85	39,958	6,241	15.62	2,324	748	32.16	23,472	2,995	12.76
Gambella .....	-	-	-	-	-	-	-	-	-	25	25	96.55
Harari.....	-	-	-	-	-	-	-	-	-	-	-	-
Dire Dawa.....	-	-	-	-	-	-	-	-	-	-	-	-

Annex Table 8- Estimates of Camels, Standard Errors and Coefficients of Variation by Age group, and Region

Geographic Area	MALE						FEMALE					
	<4YEARS			4YEARS & OLDER			<4YEARS			4YEARS & OLDER		
	Number	SE	CV	Number	SE	CV	Number	SE	CV	Number	SE	CV
Ethiopia .....	154,217	18,302	11.87	266,431	28,338	10.64	168,194	21,953	13.05	509,470	64,853	12.73
Tigray .....	19,735	9,803	49.67	52,813	12,292	23.27	3,624	3,164	87.32	10,991	9,438	85.87
Afar .....	37,316	8,098	21.7	51,255	9,224	18	65,058	15,775	24.25	181,409	43,178	23.8
Amhara .....	4,725	1,919	40.62	59,665	11,230	18.82	-	-	-	-	-	-
Oromia.....	51,102	11,481	22.47	29,838	6,018	20.17	49,571	13,179	26.59	137,578	35,634	25.9
Somali .....	39,473	6,130	15.53	70,500	20,107	28.52	47,856	7,007	14.64	174,321	31,302	17.96
Benshangul-Gumuz .....	-	-	-	-	-	-	-	-	-	-	-	-
SNNP.....	-	-	-	-	-	-	-	-	-	-	-	-
Gambella .....	-	-	-	-	-	-	-	-	-	-	-	-
Harari.....	581	367	63.17	106	101	94.74	717	343	47.78	2,949	1,649	55.93
Dire Dawa.....	1,286	295	22.96	2,254	508	22.56	1,369	360	26.27	2,221	470	21.15

Annex Table 9- Estimates of Poultry, Standard Errors and Coefficients of Variation by Type, and Region

Geographic Area	Total Poultry			Cocks			Cockerels			Pullets			Non-laying Hens			Chicks			Laying Hens		
	Number	SE	CV	Number	SE	CV	Number	SE	CV	Number	SE	CV	Number	SE	CV	Number	SE	CV	Number	SE	CV
Ethiopia .....	51,350,738	771,350	1.5	5,260,659	88,119	1.68	2,716,252	86,434	3.18	5,046,372	115,788	2.29	5,547,799	74,281	4.8	9,668,096	441,129	2.24	7,111,560	213,527	1.25
Tigray .....	5,287,790	193,474	3.66	489,610	20,408	4.17	396,111	30,404	7.68	679,603	36,261	5.34	250,219	27,966	11.18	1,907,218	101,919	5.34	1,565,029	53,182	3.4
Afar .....	124,489	33,017	26.52	8,735	2,176	24.9	7,215	2,355	32.64	13,699	4,350	31.75	9,727	3,646	37.48	47,278	13,155	27.83	37,836	11,480	30.34
Amhara .....	14,524,806	512,315	3.53	1,293,921	43,957	3.4	703,580	59,142	8.41	1,387,676	73,804	5.32	387,659	45,044	11.62	5,981,024	316,055	5.28	4,770,945	117,345	2.46
Oromia .....	19,313,874	426,105	2.21	2,207,650	57,379	2.6	974,262	42,852	4.4	1,809,784	66,896	3.7	626,388	46,282	7.39	6,788,323	227,796	3.36	6,907,467	138,809	2.01
Somali .....	196,396	29,389	14.96	29,404	5,082	17.28	10,471	2,363	22.57	17,606	3,983	22.62	8,329	2,805	33.68	67,908	11,870	17.48	62,679	9,533	15.21
Benshangul-Gumuz .....	1,041,557	85,754	8.23	100,976	9,998	9.9	73,728	8,396	11.39	123,442	9,618	7.79	24,725	5,045	20.4	490,259	47,313	9.65	228,428	17,488	7.66
SNNP .....	10,353,805	321,686	3.11	1,066,436	44,308	4.15	512,046	33,414	6.53	949,614	44,636	4.7	230,255	22,689	9.85	4,207,117	172,477	4.1	3,388,335	95,648	2.82
Gambella .....	344,043	22,240	6.46	40,992	3,201	7.81	30,283	3,456	11.41	42,495	4,131	9.72	6,783	1,650	24.32	136,362	10,211	7.49	87,127	5,691	6.53
Harari .....	71,697	8,158	11.38	9,244	1,190	12.87	4,207	893	21.22	7,773	1,367	17.59	1,344	372	27.7	24,101	3,607	14.97	25,027	2,897	11.58
Dire Dawa .....	92,283	12,868	13.94	13,690	4,312	31.5	4,350	1,216	27.95	14,680	5,582	38.03	2,370	612	25.81	18,507	2,657	14.36	38,686	3,179	8.22

Annex Table 10- Estimates of Beehives, Standard Errors and Coefficients of Variation by Type, and Region

Geographic Area	ALL BEEHIVES			TRADITIONAL			INTERMEDIATE			MODERN		
	Number	SE	CV	Number	SE	CV	Number	SE	CV	Number	SE	CV
Ethiopia .....	5,052,297	236,622	4.68	4,768,103	210,475	4.41	47,749	10,281	21.53	236,446	97,024	41.03
Tigray .....	253,406	20,194	7.97	187,384	17,660	9.42	3,280	1,358	41.4	62,742	10,234	16.31
Afar .....	-	-	-	-	-	-	-	-	-	-	-	-
Amhara .....	1,044,372	69,359	6.64	995,395	67,144	6.75	8,996	3,172	35.26	39,980	7,271	18.19
Oromia .....	2,586,627	208,945	8.08	2,438,454	180,066	7.38	21,279	8,237	38.71	126,894	96,162	75.78
Somali .....	1,734	697	40.17	1,648	697	42.27	86	87	100.31	-	-	-
Benshangul-Gumuz .....	185,719	26,250	14.13	185,463	26,242	14.15	129	85	65.95	127	85	66.74
SNNP .....	907,292	73,790	8.13	886,960	73,404	8.28	13,630	5,090	37.34	6,702	3,007	44.87
Gambella .....	71,380	31,286	43.83	71,239	31,280	43.91	141	100	71.13	-	-	-
Harari .....	830	261	31.39	830	261	31.39	-	-	-	-	-	-
Dire Dawa .....	937	278	29.69	728	246	33.82	209	132	63.18	-	-	-



## **APPENDIX I**

### **Number of Planned and Actually Covered Sampling Units**

**APPENDIX-I (a).** Number of Planned and Actually Covered Sampling Units  
(EAs & Households) of the 2013/14(2006 E.C.), Livestock Sample Survey

Region	Stratum	Enumeration Areas		Households	
	Zone/Sp.Wereda	Planned	Covered	Planned	Covered
Tigray	North Western Tigray	31	31	930	926
	Central Tigray	39	39	1170	1,161
	Eastern Tigray	29	29	870	862
	Southern Tigray	38	38	1140	1,127
	Western Tigray	35	35	1050	1,039
	<b>Region Total</b>	<b>172</b>	<b>172</b>	<b>4,860</b>	<b>5,115</b>
Afar	Zone One	29	28	870	821
	Zone Three	21	20	630	576
	<b>Region Total</b>	<b>50</b>	<b>48</b>	<b>1,500</b>	<b>1,397</b>
Amhara	North Gonder	49	49	1470	1,455
	South Gonder	45	45	1350	1,339
	North Wello	46	46	1380	1,376
	South Wello	49	49	1470	1,462
	North Shewa	47	46	1410	1,363
	East Gojam	47	47	1410	1,403
	West Gojam	46	46	1380	1,370
	Wag Hemira	29	29	870	858
	Awi	32	32	960	954
	Oromia	28	28	840	827
	Argoba Special Woreda	20	20	600	594
	<b>Region Total</b>	<b>438</b>	<b>437</b>	<b>13,140</b>	<b>13,001</b>
Oromia	West Wellega	43	43	1290	1,288
	East Wellega	41	41	1230	1,226
	Illubabor	48	48	1440	1,432
	Jimma	47	47	1410	1,408
	West Shewa	44	44	1320	1,311
	North Shewa	39	39	1170	1,164
	East Shewa	40	40	1200	1,193
	Arsi	53	53	1590	1,587
	West Harerghe	41	41	1230	1,230
	East Harerghe	48	48	1440	1,438
	Bale	47	43	1410	1,280
	Borena	38	37	1140	1,101
	South West Shewa	38	38	1140	1,136
	Guji	38	38	1140	1,136
	West Arsi	39	39	1170	1,166
	Kelem Wellega	36	36	1080	1,080
	Horoguduru Wellega	37	36	1110	1,077
	<b>Region Total</b>	<b>716</b>	<b>711</b>	<b>21,480</b>	<b>21,253</b>

**APPENDIX-I (a) (Continued...)**

Region	Stratum	Enumeration Areas		Households	
	Zone/Sp.wereda	Planned	Covered	Planned	Covered
Somali	Shinile	20	20	600	563
	Jijiga	28	28	840	820
	Liben	25	22	750	638
	<b>Region Total</b>	<b>73</b>	<b>70</b>	<b>2190</b>	<b>2,021</b>
Benishangul-Gumuz	Metekel	31	31	930	921
	Asosa	26	26	780	777
	Kemeshi	23	20	690	595
	Maokomo	20	20	600	594
	<b>Region Total</b>	<b>100</b>	<b>97</b>	<b>3,000</b>	<b>2,887</b>
SNNP	Guraghe	41	39	1230	1,165
	Hadiya	33	33	990	990
	Kembata_Tambaro	33	33	990	990
	Sidama	45	45	1350	1,344
	Gedeo	34	33	1020	987
	Wolayita	39	39	1170	1,167
	South Omo	36	35	1080	1,031
	Shaka	24	24	720	711
	Keffa	37	37	1110	1,101
	Gamo_Gofa	42	42	1260	1,229
	Benchi_Maji	36	36	1080	1,070
	Yem Special Wereda	20	20	600	598
	Dawro	32	32	960	956
	Basketo Special Wereda	20	20	600	600
	Konta Special Wereda	20	20	600	599
	Siltie	30	30	900	900
	Alaba Special Wereda	20	20	600	599
	Segen People	40	40	1,200	1,196
	<b>Region Total</b>	<b>582</b>	<b>578</b>	<b>17,460</b>	<b>17,233</b>
Gambella	Agnuak	21	21	630	619
	Nuer	19	19	570	567
	Mejenger	20	20	600	589
	Etang Special Woreda	20	10	600	293
	<b>Region Total</b>	<b>80</b>	<b>70</b>	<b>2,400</b>	<b>2,068</b>
Harari	<b>Harari</b>	24	24	720	714
Dire Dawa	<b>Dire Dawa</b>	24	24	720	711
Country Total		<b>2,250</b>	<b>2231</b>	<b>67,500</b>	<b>66,400</b>

## **APPENDIX II**

### **Estimation Procedures of Totals, Ratios, and Sampling Errors**

## APPENDIX II: Estimation Procedures of Totals, Ratios and Sampling Errors

The following formulas were used to estimate total livestock & its products, and ratio of specific characteristics in a stratum.

### 1. For Estimating Total livestock and products:

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

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  $h^{\text{th}}$  stratum.

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

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

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

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

$y_{hij}$  is the value of a specific livestock(its products) for agricultural households  $j$ , in the  $i^{\text{th}}$  EA in the  $h^{\text{th}}$  stratum.

$y_{hi}$  is the sample total values of a specific livestock(its products) for EA  $i$  in stratum  $h$

$\hat{Y}_h$  is estimated total of specific livestock and its products in stratum  $h$

### 2. For Estimating Ratios in stratum $h$ :

$$\hat{R}_h = \frac{\hat{Z}_h}{\hat{X}_h}, \text{ where the numerator and denominator are estimates of domain totals}$$

for characteristic  $z$  and  $x$ , respectively.



### 3. Sampling Variance of Estimates:

Sampling variance for the estimate of stratum total of livestock and its products, and ratios are estimated by the following formulas.

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

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

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  $h$ .

$\hat{Y}_{hi}, \hat{Z}_{hi}, \hat{X}_{hi}$  are weighted total livestock and its products of characteristic  $y, z$  and  $x$ , respectively, in the  $i^{th}$  EA and  $h^{th}$  stratum.

$\hat{Y}_{hij}, \hat{Z}_{hij}, \hat{X}_{hij}$  are weighted value of livestock and its products of characteristic  $y, z$  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.

$$Var(\hat{Y}) = \sum_h^L Var(\hat{Y}_h), Var(\hat{R}) = \sum_{i=1}^L Var(\hat{R}_h)$$

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.

#### 4. Coefficient of Variation (CV) of Estimates:

Coefficient of Variation (CV) in percentage of estimate of stratum total of livestock and its products is given by:

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

#### 5. Ninety-five percent confidence interval (CI) of stratum total of Livestock (its product):

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

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

Estimates of standard error and confidence interval for the ratio estimate can also be calculated by adopting the above formulas.

**APPENDIX III**  
**Survey Questionnaire**

**Annual Agricultural Sample Survey  
Livestock and Beehives Population - 2013/14 (2006 E.C.)**

**Part I - Identification Particulars**

Region	Zone	Wereda	Farmers' Association	Enumeration Area	Household Number	Holder Number	Holder					Type of Holding
							Name	Age	Sex M=1 F=2	Edu. Status (Highest Grade Completed)	Family Size	
												Crop=1 Livestock=2 Both=3

**PART II - LIVESTOCK POPULATION AND PRODUCTS****QST I - Did You Have Livestock and/or Beehives on November 10, 2013?**
☐ Yes Complete questions below

☐ No – End of the question
**Number of Cattle by Age and Purpose on Nov 10, 2013**

1. Cattle of all ages \_\_\_\_\_
- a. Cattle less than 6 months \_\_\_\_\_
- b. Cattle 6 months and less than 1 year \_\_\_\_\_
- c. Cattle 1 year and less than 3 years \_\_\_\_\_
- d. Cattle 3 years and less than 10 years \_\_\_\_\_
1. Beef Cattle \_\_\_\_\_
2. Cattle for breeding \_\_\_\_\_
3. Dairy cows \_\_\_\_\_
4. Cows that gave milk for the last 12 months \_\_\_\_\_
5. Draft cattle \_\_\_\_\_
6. Cattle for other purposes \_\_\_\_\_
- e. Cattle 10 years and older \_\_\_\_\_
- f. Grand Total \_\_\_\_\_
1. Local breed \_\_\_\_\_
2. Exotic \_\_\_\_\_
3. Hybrid \_\_\_\_\_

None	Total	Male	Female
	1	2	3
	4	5	6
	7	8	9
	10	11	12
	13	14	15
	16	17	18
	19	20	21
	22		23
	24		25
	26	27	28
	29	30	31
	32	33	34
	35	36	37
	38	39	40
	41	42	43
	44	45	46

Form AGSS – 2006/7 Cont'd

Number of Sheep by Age and Purpose on Nov 10, 2013

	None	Total	Male	Female
2. Sheep of all ages		47	48	49
a. Sheep less than 6 months		50	51	52
b. Sheep 6 months and less than 1 year		53	54	55
c. Sheep 1 year and less than 2 years		56	57	58
d. Sheep 2 years and older		59	60	61
1. Sheep for mutton		62	63	64
2. Sheep for wool		65	66	67
3. Sheep for breeding		68	69	70
4. Sheep for other purposes		71	72	73
e. Grand Total		74	75	76
1. Local breed		77	78	79
2. Exotic		80	81	82
3. Hybrid		83	84	85

Number of Goats by Age and Purpose on Nov 10, 2013

	None	Total	Male	Female
3. Goats of all ages		86	87	88
a. Goats less than 6 months		89	90	91
b. Goats 6 months and less than 1 year		92	93	94
c. Goats 1 year and less than 2 years		95	96	97
d. Goats 2 years and older		98	99	100
1. Goats for meat		101	102	103
2. Dairy Goats		104		105
3. Goats for breeding		106	107	108
4. Goats for other purposes		109	110	111
e. Grand Total		112	113	114
1. Local breed		115	116	117
2. Exotic		118	119	120
3. Hybrid		121	122	123

Form AGSS –2006/7 Cont'd

Number of Horses, Mules, Donkeys and Camels by age and Purpose on Nov 10, 2013

Horses

4. Horses of all ages \_\_\_\_\_  
a. Horses less than 3 years \_\_\_\_\_  
b. Horses 3 years and older \_\_\_\_\_  
    1. Horses used primary for draft purposes \_\_\_\_\_  
    2. Horses for transportation \_\_\_\_\_  
    3. Horses for other purposes \_\_\_\_\_

None

Total	
124	
127	
130	
133	
136	
139	

Male		Female	
125		126	
128		129	
131		132	
134		135	
137		138	
140		141	

Mules

5. Mules of all ages \_\_\_\_\_  
a. Mules less than 3 years \_\_\_\_\_  
b. Mules 3 years and older \_\_\_\_\_  
    1. Mules used primary for draft purposes \_\_\_\_\_  
    2. Mules for transportation \_\_\_\_\_  
    3. Mules for other purposes \_\_\_\_\_

None

Total	
142	
145	
148	
151	
154	
157	

Male		Female	
143		144	
146		147	
149		150	
152		153	
155		156	
158		159	

Donkeys

6. Donkeys of all ages \_\_\_\_\_  
a. Donkeys less than 3 years \_\_\_\_\_  
b. Donkeys 3 years and older \_\_\_\_\_  
    1. Donkeys used for draft purposes \_\_\_\_\_  
    2. Donkeys for transportation \_\_\_\_\_  
    3. Donkeys for other purposes \_\_\_\_\_

None

Total	
160	
163	
166	
169	
172	
175	

Male		Female	
161		162	
164		165	
167		168	
170		171	
173		174	
176		177	

Camels

7. Camels of all ages \_\_\_\_\_  
a. Camels less than 4 years \_\_\_\_\_  
b. Camels 4 years and older \_\_\_\_\_  
    1. Camels for slaughter \_\_\_\_\_  
    2. Camels for draft purposes \_\_\_\_\_  
    3. Camels for milk \_\_\_\_\_  
    4. Camels for transportation \_\_\_\_\_  
    5. Camels for other purposes \_\_\_\_\_

None

Total	
178	
181	
184	
187	
190	
193	
195	
198	

Male		Female	
179		180	
182		183	
185		186	
188		189	
191		192	
209		194	
196		197	
199		200	

**Form AGSS – 2006/7 Cont'd**

**Poultry**

8. Poultry total on **Nov 10, 2013**

- a. Laying hens \_\_\_\_\_  
 b. Non-Laying hens \_\_\_\_\_  
 c. Cocks \_\_\_\_\_  
 d. Cockerels \_\_\_\_\_  
 e. Pullets \_\_\_\_\_  
 f. Chicks \_\_\_\_\_

None	Total
	201
	205
	209
	213
	217
	221
	225

Indigenous	Hybrid	Exotic
202	223	204
206	207	208
210	211	212
214	215	216
218	219	220
222	223	224
226	227	228

**QST II- Did You Have Livestock During The Reference Period (Nov 11, 2012 to Nov 10, 2013)?**

Yes=1 No=2

Yes Complete questions below

No – End of the question

9. Total Beehives (produced honey during the reference period)

- a. Traditional Beehives \_\_\_\_\_  
 b. Intermediate Beehives \_\_\_\_\_  
 c. Modern Beehives \_\_\_\_\_

None	Total
	229
	230
	231
	232

**10. Honey production per beehive in kg during the reference period**

- a. Average honey production/ Traditional hive/harvest \_\_\_\_\_  
 Number of harvests/Traditional hive/year \_\_\_\_\_  
 b. Average honey production/ Intermediate hive/harvest \_\_\_\_\_  
 Number of harvests/Intermediate hive/year \_\_\_\_\_  
 c. Average honey production/ Modern hive/harvest \_\_\_\_\_  
 Number of harvests/Modern hive/year \_\_\_\_\_

233	
234	
235	
236	
237	
238	

**Milk, Egg, and Honey Production during the reference period**

## 11. Dairy cows and Camels

	None	
a. Cows that gave milk during the reference Period _____		239
b. Average number of months cows actually milked _____		240
c. Average lactation period of cows in months _____		241
d. Milk production per day per cow in liters _____		242
e. Camels that gave milk during the reference period _____		243
f. Average number of months camels actually milked _____		244
g. Average lactation period of camels in months _____		245
h. Milk production per day per camel _____		246

	None	Indigenous	Hybrid	Exotic
12. Egg production per hen per clutch _____		247	248	249
13. Average number of days per clutch _____		250	251	252
14. Total Number of clutch during the reference period _____		253	254	255

**15. Livestock Diseases and Treatments during the Reference Period**

1	2	4			5		
		Afflicted/Diseased			Total Treated		
Sr. No.	Livestock Type	Total	Male	Female	Total	Male	Female
1	Cattle						
2	Sheep						
3	Goats						
4	Horses						
5	Donkeys						
6	Mules						
7	Camel						
8	Poultry						



**16. Number of Births, Purchases, Sales, Slaughters, and Deaths during the Reference Period**

1	2	3			4			5			6			7			8			9			10		
Sr. No.	Livestock Type	Births			Purchases			Acquired			Sales			Slaughters			Offered			Died from Diseases			Died from other Reasons		
		T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F
1	Cattle																								
2	Sheep																								
3	Goats																								
4	Horses																								
5	Donkeys																								
6	Mules																								
7	Camels																								
8	Poultry																								

**17. Livestock diseases, treatment and Vaccination during the Reference Period**

1	2	3			4			5			6			7			8			9		
Sr. No.	Livestock Type	Total Vaccinated			Vaccinated against																	
					Anthrax			Blackleg			Pleuro-Pneumonia			Hemorrhagic Septicemia			Renderpest			Others		
		T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F
1	Cattle																					
2	Sheep																					
3	Goats																					
4	Camels																					

## 18. Livestock Feeds utilized during the reference period

1	2	3	4	5	5	6
Sr. No.	Type of Livestock Feed	Code	Utilized yes=1 no=2	Percent from the total feed Utilized	Source of Feed	Code
1	Green fodder/Grazing	1				
2	Crop Residue	2				
3	Improved Feed	3				
4	Hay	4				
5	Bi-products	5				
6	Others	7				
Total				100		

Own Holding=1    Purchased=2    Communal Holding=3  
 1 & 2 =4    1 & 3=5    2 & 3=6    1, 2, & 3=7    Others=8

19. Did you participate in any Livestock Extension Program during the reference period?

Yes=1    No=2

20. If yes to 19, what was the type of the package?

Dairy development package =1  
 Beef/Meat/Mutton development package =2  
 Poultry development package =3  
 Honey and Wax development Package =4  
 Any two or more of the above packages =5  
 Any other livestock package =6