



# AGRICULTURAL STATISTICS AT A GLANCE 2016



**Government of India**  
**Ministry of Agriculture & Farmers Welfare**  
**Department of Agriculture, Cooperation & Farmers Welfare**  
**Directorate of Economics & Statistics**

# **Agricultural Statistics at a Glance 2016**





सत्यमेव जयते

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Department of Agriculture, Cooperation & Farmers Welfare  
Directorate of Economics and Statistics

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Secretary



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Government of India  
Ministry of Agriculture & Farmers Welfare  
Department of Agriculture, Cooperation  
& Farmers Welfare

## MESSAGE

Developments in agriculture and allied sector in India are of interest to a wide spectrum of people across the world. The Directorate of Economics and Statistics annually publishes "*Agricultural Statistics at a Glance*" to disseminate comprehensive information on various facets of the agriculture sector. Over the years, this publication has become a trusted source of reference to people and organizations engaged in the academia, business and industry, policy making, plan formulation and monitoring. The wide range of economic indicators and data made available in this publication has proved to be an asset for analysis.

It gives me immense pleasure to see that the Directorate has continuously innovated and endeavored to increase the relevance of this publication by adding information on new areas of concern and relevance for the agriculture sector. This issue includes the updated information on recent initiatives by the Government, viz., coverage under Soil Health Card, Pradhan Mantri Fasal Bima Yojana (PMFBY), Micro Irrigation, etc. This publication is also being simultaneously released electronically on the website of the Department of Agriculture, Cooperation and Farmers' Welfare [www.agricoop.nic.in](http://www.agricoop.nic.in) and <http://eands.dacnet.nic>

I compliment Shri P.C. Bodh, Adviser and his team members for their efforts in maintaining the excellence in bringing out this volume in record time.

I am sure that this issue will be useful and I look forward to the comments for further improvement.

  
(S.K. Pattanayak)

Date: March 2, 2017



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Principal Adviser



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## FOREWORD

The Directorate of Economics and Statistics brings out its flagship Publication "Agriculture Statistics at a Glance" every year. The Publication is widely used as a reference book for data on various aspects of agriculture and allied sector including growth and investment in agriculture, crop production and productivity across the states, minimum support price, cost of production, terms of trade, imports and exports, land-use statistics, inputs, credit and crop insurance.

The wide coverage of data in a single book makes it a much sought after and valued publication. The publication will be of immense use to policy makers, farmers, researchers, scientists, administrators, trade, industry, statisticians, economists and the general public. I am sure that this new edition will be appreciated for its up-to-date coverage of data on the agriculture and allied sectors.

*Sudha P Rao*

**(Sudha P. Rao)**

Principal Adviser

Dated: 3<sup>rd</sup> March, 2017





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## PREFACE

The Directorate of Economics and Statistics, an attached office of the Department of Agriculture, Cooperation & Farmers Welfare, has been entrusted with an important task of collating and analyzing data on various aspects of Indian agriculture with a view to assist in policy formulation. Its annual flagship publication "Agricultural Statistics at a Glance" is a rich source of data on a wide range of parameters, such as area, production and productivity of various crops across States, land-use statistics, price support and procurement, international trade, credit and insurance.

This issue of the publication has been enriched with latest available information on above aspects and other useful information on emerging areas in agriculture sector. For wider accessibility, a soft copy of the publication has also been uploaded at our website: [www.agricoop.nic.in](http://www.agricoop.nic.in) & <http://eands.dacnet.nic.in/>.

I am grateful to the various contributing Ministries/ Departments/ Organizations for providing us with the updated material for the publication. I also record my gratitude to all the officers of the Directorate of Economics and Statistics, particularly Shri P.C. Bodh, Adviser and his team for their efforts in bringing out this enriched edition on time. I look forward to comments and suggestions for improvement.

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## Acronyms

AAV	Antyodaya Anna Yojana
AE	Advance Estimate
AGDP	Gross Domestic Product from Agriculture
APL	Above Poverty Line
BE	Budget Estimates
BPL	Below Poverty Line
CACP	Commission for Agricultural Costs and Prices
CBB	Commercial Bank Branch
CCE	Crop Cutting Experiments
CCI	Cotton Corporation of India
CDSBO	Crude Degummed Soyabean Oil
CES	Crop Estimation Surveys
CFA	Central Financial Agency
CIF	Cost, Insurance & Freight
CIP	Central Issue Price
CPI-IW	Consumer Price Index for Industrial Workers
CWWG	Crop Weather Watch Group
DAC&FW	Department of Agriculture, Cooperation & Farmers Welfare
DAP	Di Ammonium Phosphate

DES	Directorate of Economics and Statistics
E	Estimated
EARAS	Establishment of an Agency for Reporting of Agricultural Statistics
FAO	Food and Agriculture Organisation of United Nations
FAQ	Fair Average Quality
F2	Black Soil
F-414/H-777/J-34	Cotton variety (of Medium Staple Length)
H-4/H-6	Cotton variety (of Long Staple Length)
FCI	Food Corporation of India
FDI	Foreign Direct Investment
FFB	Fresh Fruit Bunch
FOD	Field Operations Division of NSSO
FRL	Full Reservoir Level
FYM	Farm Yard Manure
GCA	Gross Cropped Area
GCES	General Crop Estimation Survey
GCF	Gross Capital Formation
GDP	Gross Domestic Product
GNP	Gross National Product
GSDP	Gross State Domestic Product
GVA	Gross Value Added
Ha	Hectares
HYV	High Yielding Varieties
I	Irrigated
IAS	Improvement of Agricultural Statistics
ICAR	Indian Council of Agricultural Research
ICOR	Incremental Capital Output Ratio
ICS	Improvement of Crop Statistics
K	Potash
KCC	Kisan Credit Card
Kgs	Kilograms
KMPH	Kilometers Per Hour
KWH	Kilo Watt Hour
LS	Light Soil
LPCPD	Litres Per Capita Per Day



MSCCGMF	Maharashtra State Co-operative Cotton Growers Marketing Federation
MIS	Market Intervention Scheme
MSP	Minimum Support Price
MSR	Marketed Surplus Ratio
N	Nitrogen
NA	Not Available/Not Announced
NC	Not Collected
NCAER	National Council of Applied Economic Research
NQ	Not Quoted
NAFED	National Agricultural Co-operative Marketing Federation of India Limited
NCAER	National Council of Applied Economic Research
NDDDB	National Dairy Development Board
Neg.	Negligible
NNP	Net National Product
N,P&K	Nitrogen, Phosphate and Potash
NR	Not Recommended/ Not Reported
NS	New Series Estimates
NSA	Net Sown Area
NSSO	National Sample Survey Organisation
OECD	Organisation of Economic Cooperation and Development
OPDP	Oil Palm Development Programme
P	Provisional/ Phosphate
PACS	Primary Agricultural Credit Society
PDS	Public Distribution System
PLDB	Primary Land Development Bank
PMKSY	Pradhan Mantri Krishi Sinchayee Yojana
PMFBY	Pradhan Mantri Fasal Bima Yojana
PSE	Producers Support Estimate
PSEs	Public Sector Enterprises
PSS	Price Support Scheme
QE	Quick Estimate
R	Revised
R&D	Research & Development
R&M	Rapeseed & Mustard
RMC	Regional Ministers Conference

RE	Revised Estimates
RRBB	Regional Rural Bank Branch
SCB	State Cooperative Bank
SDP	State Domestic Product
SASA	State Agricultural Statistical Authority
SHC	Soil Health Card
SLDB	State Land Development Bank
SRS	Sample Registration Scheme
SSP	Single Super Phosphate
T	Target
T E	Triennium Ending
TD-5	Tossa Deshi variety of Jute
TPDS	Targeted Public Distribution System
TRQ	Tariff Rate Quota
TRRM	Tropical Rains Measuring Mission
TT	Tentative Targets
UI	Un-irrigated
UT	Union Territory
WPI	Wholesale Price Index
WTO	World Trade Organisation
Y	Yield (Index Number of Yield) per hectare

# Conversion Table

## Length

1 kilometre (km)	=	1000 metres (m)
1 km	=	0.6214 miles
1 m	=	1.0936 yards
1 m	=	3.2808 feet
1 mile	=	1760 yards
1 mile	=	1.609 km
1 yard	=	0.9144 m
1 foot	=	0.3048 m

## Area

1 km <sup>2</sup>	=	100 hectares (ha)
1 km <sup>2</sup>	=	0.3861 square mile
1 km <sup>2</sup>	=	247.105 acres
1 m <sup>2</sup>	=	10.7639 square feet
1 ha	=	10,000 m <sup>2</sup>
1 ha	=	2.4711 acres

1 square mile	=	2.59 1 km <sup>2</sup>
1 acre	=	0.4047 ha
1 acre	=	4046.86 m <sup>2</sup>
1 acre	=	4840 square yard
1 square yard	=	9 square feet
1 square yard	=	0.8361 m <sup>2</sup>
1 square foot	=	0.0929 m <sup>2</sup>

**Weight**

1 tonne	=	1000 kg
1 tonne	=	1.1023 US ton
1 US ton	=	0.9072 tonnes
1 hg	=	100 gram
1 kg	=	2.2046 pounds (lb)
1 kg	=	35.274 ounce (oz)
1 lb	=	0.4536 kg
1 oz	=	28.3495 gram

**Units**

1 crore	=	10 million
1 million	=	10 lakh
1 lakh	=	100000
1 billion	=	1000 million



# 1

## Methodology of Crop Estimation

### 1.1 Introduction

The Directorate of Economics and Statistics (DES) releases estimates of area, production and yield in respect of principal crops of food grains, oilseeds, sugarcane, fibers and important commercial and horticulture crops. These crops together account for nearly 80 per cent of agricultural output. The estimates of crop production are obtained by multiplication of area estimates by corresponding yield estimates. The estimates of area and yield rates assume prime importance in the entire gamut of agricultural statistics.

### 1.2 Area Statistics

From the point of view of collection of area statistics, the States in the country are divided into three broad categories. The first category covers States and UTs which are cadastrally surveyed and the area and land use statistics are built up as a part of the land records maintained by the revenue agencies, these states are called “Land Record States” or temporarily settled states. This system is followed in 17 major states of Andhra Pradesh, Assam (excluding hilly districts), Bihar, Chhattisgarh, Gujarat, Haryana, Himachal Pradesh, Jammu & Kashmir, Jharkhand, Karnataka, Madhya Pradesh, Maharashtra, Punjab, Rajasthan, Tamil Nadu, Uttar Pradesh and Uttarakhand and 4 UTs of Chandigarh, Delhi, Dadra & Nagar Haveli and Puducherry. These States/

UTs account for about 86% of reporting area and are covered under Timely Reporting Scheme (TRS) under which 20% villages are selected at random for complete area enumeration.

The second category includes those States where area statistics are collected on the basis of sample surveys conducted under the scheme of Establishment of an Agency for Reporting of Agricultural Statistics (EARAS). This scheme was introduced in Kerala, Odisha and West Bengal, and later extended to Arunachal Pradesh, Nagaland, Sikkim and Tripura. The scheme envisages, inter-alia, estimation of area through sample surveys in a sufficiently large sample of 20% villages/ investigator zones. These states account for about 9% of reporting area.

The third category covers the hilly districts of Assam, the rest of North-Eastern states (other than Arunachal Pradesh, Nagaland, Tripura and Sikkim), Goa, UTs of Andaman & Nicobar Islands, Daman & Diu and Lakshadweep where no reporting agency had been functioning. In this category of states, work of collection of Agricultural Statistics is entrusted with the village headmen. The area statistics in these states are based on impressionistic approach. These areas/states account for 5% of the reporting area.

### 1.3 Yield Estimates

The second most important component of production statistics is yield rates. The yield estimates of major crops are obtained through analysis of Crop Cutting Experiments (CCE) conducted under scientifically designed General Crop Estimation Surveys (GCES). At present over 95% of the production of foodgrains is estimated on the basis of yield rates obtained from the CCEs. Field Operations Divisions (FOD) of the National Sample Survey Organization (NSSO) has been providing technical guidance to the States and Union territories for organizing and conducting Crop Estimation Surveys for estimating yield rates of principal crops. In addition, NSSO in collaboration with States/Union Territories implements sample check programmes on area enumeration work, area aggregation and conduct of crop cutting experiments under the Scheme for Improvement of Crop Statistics (ICS). While executing the programme of sample checks on crop cutting experiments, the FOD associates itself with the operational aspects of the conduct of crop cutting experiments right from selection of sample villages, training of field staff to the supervision of field work, and in the process gathers micro level information relating to conduct of crop cutting experiments for estimation of crop yield. The results of Crop Estimation Surveys are analyzed and annual publication entitled “Consolidated Results of Crop Estimation Surveys on Principal Crops” is brought out by the NSSO regularly.

The primary objective of GCES is to obtain fairly reliable estimates of average yield of principal food and non-food crops for States and UTs which

are important from the point of view of crop production. The estimates of yield rates thus arrived at are generally adopted for the purposes of planning, policy formulation and implementation. The CCEs consist of identification and marking of experimental plots of a specified size and shape in a selected field on the principle of random sampling, harvesting and threshing the produce and recording of the harvested produce for determining the percentage recovery of dry grains or the marketable form of the produce.

## 1.4 Coverage

The crop-wise details of number of experiments planned under GCES during **2012-13** are given in Table 1.1

Table 1.1 Experiments Planned under GCES during 2012-13

Crop Type/Crop	No. of experiments Planned		
	Kharif	Rabi	Total
<b>1. Food Crops</b>			
Paddy	192996	24652	217648
Wheat	-	174426	174426
Jowar	22372	15284	37656
Bajra	37170	844	38014
Maize	51085	3793	54878
Ragi	10045	1322	11367
Barley	-	6234	6234
Gram	-	39886	39886
Sugarcane*	28758	348	29106
Other Crops	110616	61198	171814
<b>Total</b>	<b>453042</b>	<b>327987</b>	<b>781029</b>
<b>2. Non-Food Crops</b>			
Groundnut	23276	7037	30313
Sesamum	18415	4180	22595
Castor	2718	-	2718
Rape & Mustard	-	42937	42937
Linseed	-	3388	3388
Cotton	19284	-	19284
Jute	6678	-	6678
Mesta	710	-	710
Other Crops	21184	16248	37432
<b>Total</b>	<b>92265</b>	<b>73790</b>	<b>166055</b>
<b>Total (1+2)</b>	<b>545307</b>	<b>401777</b>	<b>947084</b>

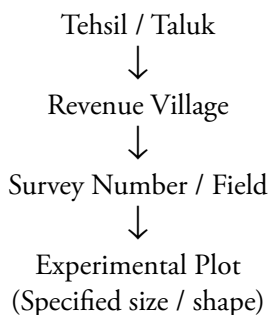
\* 348 experiments of Sugarcane are of Rabi season in West Bengal.

Source: AS Wing, NSSO (FOD), Faridabad



## 1.5 Sampling Design

Stratified multi-stage random sampling design is generally adopted for carrying out GCES with tehsils/ taluks/ revenue inspector circles/ CD blocks/ anchals, etc., as strata, revenue villages within a stratum as first stage unit of sampling, survey numbers/fields within each selected village as sampling unit at the second stage and experimental plot of a specified shape and size as the ultimate unit of sampling as depicted in Figure 1.1.



**Figure 1.1:** Sampling Design for GCES

In each selected primary unit, generally 2 survey numbers/fields growing the experimental crop are selected for conducting CCE. Generally, 80-120 experiments are selected in a major crop growing district, where a district is considered as major for a given crop if the area under the crop in the district exceeds 80,000 hectares or lies between 40,000 and 80,000 hectares but exceeds the average area per district in the State. Otherwise, the district is considered as minor for a given crop. Experiments in minor districts are so adjusted that the precision of the estimates is fairly high and the workload on the field staff is manageable. On an average, about 44 or 46 experiments are planned in a minor district. The number of experiments allotted to a district is distributed among the strata within the district roughly in proportion to the area under the crop in the stratum.

## 1.6 Advance Estimates of Area and Production

The period of an agricultural crop year is from July to June, during which various farm operations from preparation of seed bed, nursery, sowing, transplanting various inter-culture operations, harvesting, threshing etc. are carried out. Different crops are grown during the agricultural seasons in a crop year.

Final estimates of production based on complete enumeration of area and yield through crop cutting experiments become available much after the crops are actually harvested. However, the Government requires advance estimates of production for taking various policy decisions relating to pricing,

marketing, export/import, distribution, etc. Considering the genuine requirement of crop estimates much before the crops are harvested for various policy purposes, a time schedule of releasing the advance estimates has been evolved. These estimates of crops are prepared and released at four points of time during a year as enumerated below.

### 1.7 First Advance Estimates

The first advance estimates of area and production of kharif crops are prepared in September every year, when south-west monsoon season is about to be over and kharif crops are at an advanced stage of maturity. This coincides with the holding of the National Conference of Agriculture for Rabi Campaign, where the State Governments give rough assessment of their respective kharif crops. The assessment is made by the State Governments based on the reports from the field offices of the State Department of Agriculture. They are mainly guided by visual observations. These are validated on the basis of inputs from the proceedings of Crop Weather Watch Group (CWWG) meetings, and other feedback such as relevant availability of water in major reservoirs, availability/supply of important inputs including credit to farmers, rainfall, temperature, irrigation etc.

### 1.8 Second Advance Estimates

The second advance estimates are made in the month of January every year when the advance estimates of kharif crops prepared during the National Conference of Agriculture for Rabi Campaign may undergo a revision in the light of flow of more precise information from the State Governments. Around this time, the first advance estimates of rabi crops are also prepared. The Second Advance Estimates then cover the second assessment in respect of kharif Crops and the first assessment in respect of Rabi Crops.

### 1.9 Third Advance Estimates

The third advance estimates are prepared towards the end of March/ beginning of April every year, when the National Conference on Agriculture for Kharif campaign is convened and the State Governments come up with their assessments for both kharif and rabi crops. The earlier advance estimates of both kharif and rabi seasons are firmed up/ validated with the information available with State Agricultural Statistical Authorities (SASAs), remote sensing data, available with Space Application Centre, Ahmedabad as well as the proceedings of CWWG.

### 1.10 Fourth Advance Estimates

The fourth advance estimates are prepared in the month of June/July every year, when the National Workshop on Improvement of Agricultural Statistics

is held. Since most of the rabi crops get harvested by the end of May, SASAs are in a position to supply the estimates of both kharif and rabi seasons as well as likely assessment of summer crops during the National Workshop. Like the third advance estimates, the fourth advance estimates are duly validated with the information available from other sources.

### 1.11 Final Estimates

Under the existing system of crop estimation, the fourth advance estimates are followed by final estimates in December / January of the following agricultural year. The main factors contributing to the relatively large number of crop estimates are the large variations in crop seasons across the country and the resulting delay in the compilation of yield estimates based on crop cutting experiments. As agriculture is a State subject, Central Government depends upon State Governments for accuracy of these estimates. For this purpose, State Governments have setup High Level Coordination Committees (HLCC) comprising, inter-alia, senior officers from the Departments of Agriculture, Economics & Statistics, Land Records and NSSO (FOD), IASRI, DES from Central Government for sorting out problems in preparation of these estimates in a timely and orderly manner.

### 1.12 Forecasting Agricultural output using Space, Agro-meteorology and Land based observations (FASAL)

The FASAL scheme was approved as a central sector plan scheme of Directorate of Economics & Statistics, DAC&FW and is in operation since Aug. 2006. The scope of work of the FASAL scheme involved developing Econometric, Agromet and Remote Sensing based model to generate crop forecasts at National, State and District level. Multiple forecast of 11 major crops namely Rice (Kharif & Rabi), Jowar (Kharif & Rabi), Maize, Bajra, Jute, Ragi, Cotton, Sugarcane, Groundnut (Kharif & Rabi), Rapeseed & Mustard and Wheat were envisaged at National/State/District level depending on the status of technology available.

The agencies involved under the FASAL scheme are Space Application Centre (SAC), Ahmedabad, Institute of Economic Growth (IEG), New Delhi, India Meteorological Department (IMD). Under the scheme, multiple in-season forecasts of area & production of specified crops at National/State level are envisaged. Inputs from remote sensing, weather and field observations are used for validating the forecasts and inferences for desired coverage, accuracy and timeliness. Under FASAL scheme, funds are released to SAC Ahmedabad, IEG, New Delhi, IMD and NRSC.

In order to give further impetus to use Remote Sensing in Agriculture, implementation strategy of the FASAL scheme was revised in March, 2011. The revised strategy inter-alia envisaged transfer of existing operational crop

forecast and drought assessment Remote Sensing methodologies developed by Indian Space Research Organization (ISRO) to a new centre to be created in the DAC&FW itself allowing ISRO to focus on R&D on the RS methodology for remaining crops and fine tuning of the existing RS methodologies on crop and drought assessment.

In pursuance of the decisions contained in the approved SFC Memo of the FASAL scheme, DAC&FW has established a new centre namely, Mahalanobis National Crop Forecast Centre (MNCFC) on April 23, 2012 which has commenced operationalizing Remote Sensing Methodology on crop forecast and drought assessments transferred from ISRO and also integrating the inputs of agricultural statistics generated by various sources. These forecasts are used to fine tune and validate the official estimates based upon the conventional system. MNCFC is presently providing forecasts of area, production and yield based upon Remote Sensing forecasts in respect of 8 crops viz. Rice (Kharif/Rabi), Wheat, Rapeseed & Mustard, Cotton, Jute, Sugarcane, Rabi Sorghum and Winter Potato.

### *Extended Range Forecast System (ERFS)*

Extended Range Forecast System (ERFS) Project is being implemented since 2007 with the objective of forecasting rainfall and air temperature at district level on monthly scale. For implementation of ERFS Project, funds are released to IIT Bhubneswar.



## 2

### Socio-Economic Indicators

Table 2.1 Selected Economic and Social Indicators

Economic Indicators	1950-51	1960-61	1970-71	1980-81	1990-91	2000-01	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16 (PE)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
<b>ECONOMIC INDICATORS</b>												
GVA at factor cost <sup>f</sup> (at current prices in ₹ crore)	10036	17049	44382	136838	531814	2000743	7248860	8106656 <sup>c</sup>	9210023 <sup>c</sup>	10380813 <sup>c</sup>	11472409 <sup>#</sup>	12279410
GVA at factor cost <sup>f</sup> (at constant prices in ₹ crore)	279618	410279	589787	798506	1347889	2348481	4918533	8106656 <sup>c</sup>	8546551 <sup>c</sup>	9084369 <sup>c</sup>	9727490 <sup>#</sup>	10427191
Per capita Net National Income at factor cost at constant prices (₹)	7513	9482	11025	11711	15996	22491	39270	63460 <sup>c</sup>	65664 <sup>c</sup>	68867 <sup>c</sup>	72889 <sup>#</sup>	77435
Gross Domestic Capital Formation as percentage of GDP (at current market prices)	9.3	14.3	15.1	19.2	26.0	24.3	36.5	39.0	38.6	34.7	34.2	NA
Gross domestic savings as percentage of GDP (at current market prices)	9.5	11.6	14.3	17.8	22.9	23.7	33.7	34.6	33.8	33.0	33.0	NA
Index of agricultural production [base: Triennium ending 1981-82] for the data given till 2000-01 and base i.e. ending 2007-08 from 2009-10 onwards	46.2	68.8	85.9	102.1	148.4	165.7	121.0	125.2	124.2	121.1	119.6	116.0
Index of industrial production (Base: 2004-05=100) <sup>b</sup>	7.9	15.6	28.1	43.1	91.6	162.6	165.5	170.3	172.2	172.0	176.9	181.1
Wholesale Price Index average <sup>c</sup>	6.8	7.9	14.3	36.8	73.7	155.7	143.3	156.1	167.6	177.6	181.2	176.7
Consumer Price Index for Industrial workers <sup>d</sup>	17	21.0	38.0	81.0	193.0	444.0	180.0	195.0	215.0	236.0	251.0	265.0
<b>OUTPUT</b>												
(a) Foodgrains [million tonnes]	50.8	82.0	108.4	129.6	176.4	196.8	244.5	259.3	257.1	265.0	252.0	252.2e
(b) Coal and lignite [million tonnes]	32.3	55.2	76.3	119.0	225.5	332.6	570.4	582.3	602.9	610.0	657.5	682.3

(Contd.)

Table: 2.1 (Contd.)

Economic Indicators		1950-51	1960-61	1970-71	1980-81	1990-91	2000-01	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16 (PE)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(13)
(c) Crude oil [million tonnes]	0.3	0.5	6.8	10.5	33.0	32.4	37.7	38.1	37.9	37.8	37.5	37.5	37.0
(d) Electricity generated [utilities only] [billion KWH]	5.0	17.0	56.0	121.0	264.0	500.0	845.0	923.2	964.5	1021.2	1116.9	1168.4	
Plan outlay (₹ crore)	2601	1117	2524	15023	58369	185737	826268	936292	971951	1281022	420882 <sup>f</sup>	582707	(RE) <sup>f</sup>
<b>FOREIGN TRADE</b>													
(i) Exports (₹ Crore)	606	642	1535	6711	32553	203571	1136964	1465959	1634318	1905011	1896348	1716378	
(US \$ million)	1269	1346	2031	8486	18143	44076	251136	305964	300401	314405	310338	262290	
(ii) Imports (₹ Crore)	608	1122	1634	12549	43198	230873	1683467	2345463	2669162	2715434	2737087	2490298	
(US \$ million)	1273	2353	2162	15869	24075	49975	369769	489320	490737	450200	448033	381007	
Foreign exchange reserves <sup>g</sup> [excluding gold, SDRs and Reverse Tranche Position at IMF]; (₹ Crore)	911	186	438	4822	4388	184482	1224883	1330511	1412631	1660910	1985460	2219060	
(US \$ million)	1914	390	584	5850	2236	39554	274330	260069	259726	276359	317324	336104	
<b>SOCIAL INDICATORS</b>													
Population (Million) <sup>b</sup>	361	439.2	548.2	683.3	846.4	1028.7	1186.0	1220.0	1235.0	1251.0	1267.0	1283.0	
Birth Rate (per 1000) <sup>i</sup>	39.9	41.7	36.9	33.9	29.5	25.4	21.8 <sup>k</sup>	21.6 <sup>k</sup>	21.4 <sup>k</sup>	21.0 <sup>k</sup>	NA	NA	
Death Rate (per 1000) <sup>i</sup>	27.4	22.8	14.9	12.5	9.8	8.4	7.1 <sup>k</sup>	7.0 <sup>k</sup>	7.0 <sup>k</sup>	6.7 <sup>k</sup>	NA	NA	
Life Expectancy at Birth (in Years) <sup>j</sup>	32.1	41.3	45.6	50.4	58.7	62.5	67.0	67.5	67.9	NA	NA	NA	
(a) Male	32.5	41.9	46.4	50.9	58.6	61.6	65.4	65.8	66.4	NA	NA	NA	
(b) Female	31.7	40.6	44.7	50.0	59.0	63.3	68.8	69.3	69.6	NA	NA	NA	

(Contd.)



Table: 2.1 (Contd.)

Economic Indicators	1950-51	1960-61	1970-71	1980-81	1990-91	2000-01	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16 (PE)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Education: Literacy Rate (%) <sup>1</sup>	18.3	28.3	34.4	43.6	52.2	64.8	73.0	NA	NA	NA	NA	NA
(a) Male	27.2	40.4	46.0	56.4	64.1	75.3	82.1	NA	NA	NA	NA	NA
(b) Female	8.9	15.4	22.0	29.8	39.3	53.7	65.5	NA	NA	NA	NA	NA

Source: Ministry of Finance, Department of Commerce, CSO and RBI.

BE: Budget Estimate, RE: Revised Estimate, AE: Advance Estimate, PE: Provisional Estimate

NA: Not Available

\* : 2nd Revised Estimates (New Series)

# : 1st Revised Estimates (New Series)

a: GVA at factor cost estimates prior to 2011-12 are based on 2004-05 series. Estimates from Year 2011-12 onwards (with Base 2011-12) are available at basic prices only.

b: The Index of Industrial Production has been revised since 2005-06 on base 2004-05= 100. The figures from 2009-10 onwards are based on current series (2004-05=100)

and earlier data are based on old base years.

c: The figures from 2009-10 are based on current series 2004-05=100 and earlier data are based on old base years.

d: The figures from 2009-10 are based on current series 2001=100 and earlier data are based on old base years.

e: 4th Advance Estimates.

f: Outlays are only of the Centre as Outlays of State & UTs are Not Available from 2014-15 onwards.

g: As on end-March.

h: Relates to mid-financial year (as on October 1) based on population figures of C.S.O.

i: For calendar year. Figure shown against 1990-91 is for calendar year 1991 and so on. Source: Office of R.G.I.

j: Data for 1950-51, 1960-61, 1970-71 and 1980-81 relate to the decades 1941-50, 1951-60, 1961-70 and 1971-80 respectively, centered at midpoints of the decade, i.e., 1946, 1956, 1966 and 1976. The estimates for 1990-91 refer to the period 1988-92 and so on.

Estimates for 2010-11 refers to abridged life table of period 2008-12, 2011-12 refers to 2009-13 and 2012-13 refers to 2010-14. Source: Registrar General of India.

k: Estimates from Sample Registration System and SRS Statistical Report, Office of RGI.

l: Data for 1950-51, 1960-61, 1970-71, 1980-81, 1990-91 and 2000-01 are as per Census of India 1951, 1961, 1971, 1981, 1991 and 2001. The figures for 1951 1961 and 1971 relate to population aged 5 years and above and those for 1981, 1991, 2001 and 2011 to population aged 7 years and above. All India literacy rates exclude Assam for 1981 and J&K for 1991.

Table 2.2: Population and Growth Rate - 2011

Sl. No.	States/ UTs	Population			Decadal Growth (%)	
		Male (3)	Female (4)	Total (5)	1991-2001 (6)	2001-2011 (7)
(1)	(2)					
	<b>India</b>	<b>623,270,258</b>	<b>587,584,719</b>	<b>1,210,854,977</b>	<b>21.54</b>	<b>17.72</b>
1	Jammu & Kashmir	6,640,662	5,900,640	12,541,302	29.43	23.64
2	Himachal Pradesh	3,481,873	3,382,729	6,864,602	17.54	12.94
3	Punjab	14,639,465	13,103,873	27,743,338	20.10	13.89
4	Chandigarh	580,663	474,787	1,055,450	40.28	17.19
5	Uttarakhand	5,137,773	4,948,519	10,086,292	20.41	18.81
6	Haryana	13,494,734	11,856,728	25,351,462	28.43	19.90
7	Delhi	8,987,326	7,800,615	16,787,941	47.02	21.21
8	Rajasthan	35,550,997	32,997,440	68,548,437	28.41	21.31
9	Uttar Pradesh	104,480,510	95,331,831	199,812,341	25.85	20.23
10	Bihar	54,278,157	49,821,295	104,099,452	28.62	25.42
11	Sikkim	323,070	287,507	610,577	33.06	12.89
12	Arunachal Pradesh	713,912	669,815	1,383,727	27.00	26.03
13	Nagaland	1,024,649	953,853	1,978,502	64.53	-0.58
14	Manipur	1,438,586	1,417,208	2,855,794	24.86	31.80
15	Mizoram	555,339	541,867	1,097,206	28.82	23.48
16	Tripura	1,874,376	1,799,541	3,673,917	16.03	14.84
17	Meghalaya	1,491,832	1,475,057	2,966,889	30.65	27.95
18	Assam	15,939,443	15,266,133	31,205,576	18.92	17.07
19	West Bengal	46,809,027	44,467,088	91,276,115	17.77	13.84

(Contd.)

Table 2.2 (Contd.)

Sl. No.	States/ UTs	Population		Total	Decadal Growth (%)	
		Male	Female		1991-2001	2001-2011
(1)	(2)	(3)	(4)	(5)	(6)	(7)
20	Jharkhand	16,930,315	16,057,819	32,988,134	23.36	22.42
21	Odisha	21,212,136	20,762,082	41,974,218	16.25	14.05
22	Chhattisgarh	12,832,895	12,712,303	25,545,198	18.27	22.61
23	Madhya Pradesh	37,612,306	35,014,503	72,626,809	24.26	20.35
24	Gujarat	31,491,260	28,948,432	60,439,692	22.66	19.28
25	Daman & Diu	150,301	92,946	243,247	55.73	53.76
26	Dadra & Nagar Haveli	193,760	149,949	343,709	59.22	55.88
27	Maharashtra	58,243,056	54,131,277	112,374,333	22.73	15.99
28	Andhra Pradesh	42,442,146	42,138,631	84,580,777	14.59	10.98
29	Karnataka	30,966,657	30,128,640	61,095,297	17.51	15.60
30	Goa	739,140	719,405	1,458,545	15.21	8.23
31	Lakshadweep	33,123	31,350	64,473	17.30	6.30
32	Kerala	16,027,412	17,378,649	33,406,061	9.43	4.91
33	Tamil Nadu	36,137,975	36,009,055	72,147,030	11.72	15.61
34	Puducherry	612,511	635,442	1,247,953	20.62	28.08
35	Andaman & Nicobar Islands	202,871	177,710	380,581	26.90	6.86

Source: Registrar General of India.

Table 2.3(a): Population and Agricultural Workers

Year	Total Population	Average Annual Exponential Growth Rate (%)	Rural Population	Total Workers	Agricultural Workers		(In Million)
					Cultivators	Agricultural Labourers	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1951	361.1	1.25	298.6 (82.7)	139.5	69.9 (71.9)	27.3 (28.1)	97.2 (69.7)
1961	439.2	1.96	360.3 (82.0)	188.7	99.6 (76.0)	31.5 (24.0)	131.1 (69.5)
1971	548.2	2.20	439.0 (80.1)	180.4	78.2 (62.2)	47.5 (37.8)	125.7 (69.7)
1981	683.3	2.22	525.6 (76.9)	244.6	92.5 (62.5)	55.5 (37.5)	148.0 (60.5)
1991	846.4	2.16	630.6 (74.5)	314.1	110.7 (59.7)	74.6 (40.3)	185.3 (59.0)
2001	1028.7	1.97	742.6 (72.2)	402.2	127.3 (54.4)	106.8 (45.6)	234.1 (58.2)
2011	1210.8	1.50	833.7 (68.9)	481.9	118.8 (45.1)	144.3 (54.9)	263.1 (54.6)

Source: Registrar General of India.

Notes: 1. For 2001, figures include estimated figures for those of the three sub-divisions viz. Mao Maram, Paomata and Purul of Senapati district of Manipur as census results of 2001 Census in these three sub-divisions were cancelled due to technical and administrative reasons.

2. The 1991 Census could not be held owing to disturbed conditions prevailing in Jammu & Kashmir. Hence the population figures for 1991 of Jammu & Kashmir have been worked out by 'interpolation'. The data on workers in Col. 5-7 exclude J&K.

3. The 1981 census could not be held in Assam. The figures for 1981 for Assam have been worked out by interpolation. The data on workers in Col. 5-7 exclude Assam.

4. Figures within parentheses in Col.-4 are percentages to the Total Population.

5. Figures within parentheses in Col.-6 and 7 are percentages to Col.-8.

6. Figures within parentheses in Col.-8 are percentage share of Agricultural Workers in Total Workers.

**Table 2.3(b)** State wise Classification of Workers-2011

States \ UTs	Total/ Urban/ Rural	(1)	(2)	Total Population	(3)	Total Working Population	(4)	Total Main Workers	(5)	Total Marginal Workers	(6)	Total Non Workers	(7)	Male Population	(8)	Male Working Population	(9)	Male Main Workers	(10)	Female Population	(11)	Female Working Population	(12)	Female Main Workers	(13)
India	Total		1210854977	48188868	362565571	119323297	728966109	623270258	331939875	273209976	587584719	149948993	89355595												
	Rural		833748852	348743092	245868421	102874671	485005760	427781058	226837013	178095330	405967794	121906079	67773091												
	Urban		377106125	133145776	116697150	16448626	243960349	195489200	105102862	95114646	181616925	28042914	21582504												
Jammu & Kashmir	Total		12541302	4322713	2644149	1678564	8218589	6640662	3195090	2305788	5900640	1127623	338361												
	Rural		9108060	3113081	1669814	1443267	5994979	4774477	2212006	1453157	4333583	901075	216657												
	Urban		3433242	1209632	974335	235297	2223610	1866185	983084	852631	1567057	226548	121704												
Himachal Pradesh	Total		6864602	3559422	2062501	1496921	3305180	3481873	2043373	1438989	3382729	1516049	623512												
	Rural		6176050	3289384	1822109	1467275	2886666	3110345	1836358	1247874	3065705	1453026	574235												
	Urban		688552	270038	240392	29646	418514	371528	207015	191115	317024	63023	49277												
Punjab	Total		27743338	9897362	8450936	1446426	17845976	14639465	8074157	7264631	13103873	1823205	1186305												
	Rural		17344192	6179199	5107024	1072175	11164993	9093476	4995819	4417839	8250716	1183380	689185												
	Urban		10399146	3718163	3343912	374251	6680983	5545989	3078338	2846792	4853157	639825	497120												
Chandigarh	Total		1055450	404136	385929	18207	651314	580663	328159	317190	474787	75977	68739												
	Rural		28991	12350	11683	667	16641	17150	10664	10356	11841	1686	1327												
	Urban		1026459	391786	374246	17540	634673	563513	317495	306834	462946	74291	67412												
Uttarakhand	Total		10086292	3872275	2870624	1001651	6214017	5137773	2551921	2070760	4948519	1320354	799864												
	Rural		7036954	2885533	1997332	888201	4151421	3519042	1726674	1325253	3517912	1158859	674809												
	Urban		3049338	986742	873292	113450	2062596	1618731	825247	748237	1430607	161495	125055												
Haryana	Total		25351462	8916508	7015283	1901225	16434954	13494734	6806636	5860600	11856728	2109872	1154683												
	Rural		16509359	6003112	4435805	1567307	10506247	8774006	4392214	3672588	7735353	1610898	763217												
	Urban		8842103	2913396	2579478	333918	5928707	4720728	2414422	2188012	4121375	498974	391466												
Delhi	Total		16787941	5587049	5307329	279720	11200892	8987326	4762026	4562710	7800615	825023	744619												
	Rural		419042	130227	118510	11717	288815	226321	111500	103568	192721	18727	14942												
	Urban		16368899	5456822	5188819	268003	10912077	8761005	4650526	4459142	7607894	806296	(Contd.)												

Table 2.3(b) (Contd.)

States \ UT's	Total/ Urban/ Rural	Total Population	Total Working Population	Total Main Workers	Total Marginal Workers	Total Non Workers	Male Population	Male Working Population	Male Main Workers	Female Population	Female Working Population	Female Main Workers
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Rajasthan	Total	68548437	29886255	21057968	8828287	38662182	35550997	18297076	15243537	32997440	11589179	5814431
	Rural	51500352	24385233	16173343	8211890	27115119	26641747	13775469	11069837	24858605	10609764	5103506
	Urban	17048085	5501022	4884625	616397	11547063	8909250	4521607	4173700	8138835	979415	710925
Uttar Pradesh	Total	199812341	65814715	44635492	21179223	133997626	104480510	49846762	37420299	95331831	15967953	7215193
	Rural	155317278	51950980	33538817	18412163	103366298	80992995	38352879	27812347	74324283	13598101	5726470
	Urban	44495063	13863735	11096675	2767060	30631328	23487515	11493883	9607952	21007548	2369852	1488723
Bihar	Total	104099452	34724987	21359611	13365376	69374465	54278157	25222189	17270690	49821295	9502798	4088921
	Rural	92341436	31359767	18723966	12635801	60981669	48073850	22436685	14988080	44267586	8923082	3735886
	Urban	11758016	3365220	2635645	729575	8392796	6204307	2785504	2282610	5553709	579716	353035
Sikkim	Total	610577	308138	230397	77741	302439	323070	194358	160513	287507	113780	69884
	Rural	456999	243785	173682	70103	213214	242797	148186	119014	214202	95599	54668
	Urban	153578	64353	56715	7638	89225	80273	46172	41499	73305	18181	15216
Arunachal Pradesh	Total	1383727	587657	478721	108936	796070	713912	350273	301109	669815	237384	177612
	Rural	1066358	470315	377388	92927	596043	546011	264790	223929	520347	205525	153459
	Urban	317369	117342	101333	16009	200027	167901	85483	77180	149468	31859	24153
Nagaland	Total	1978502	974122	741179	232943	1004380	1024649	547357	442204	953853	426765	298975
	Rural	1407536	760360	567674	192686	647176	725472	403912	316384	682064	356448	251290
	Urban	570966	213762	173505	40257	357204	299177	143445	125820	271789	70317	47685
Manipur	Total	2855794	1304610	974163	330447	1551184	1438586	739408	615135	1417208	565202	359028
	Rural	2021640	959161	713482	245679	1062479	1026884	534085	442482	994756	425076	271000
	Urban	834154	345449	260681	84768	488705	411702	205323	172653	422452	140126	88028
Mizoram	Total	1097206	486705	415030	71675	610501	555339	290740	263305	541867	195965	151725
	Rural	525435	252382	217824	34558	273053	269135	145091	134888	256300	107291	82936
	Urban	571771	234323	197206	37117	337448	286204	145649	128417	285567	88674	68789

(Contd.)

Table 2.3(b) (Contd.)

States\UTs	Total/ Urban/ Rural	(2)	Total Population	(3)	Total Working Population	(4)	Total Main Workers	(5)	Total Marginal Workers	(6)	Total Non Workers	(7)	Male Population	(8)	Male Working Population	(9)	Male Main Workers	(10)	Female Population	(11)	Female Working Population	(12)	Female Main Workers	(13)
Tripura	Total		3673917	1469521	1077019	392502	2204396	1874376	1045326	887881	1799541	424195	189138											
	Rural		2712464	1116076	776583	339493	1596388	1387173	767767	637023	1325291	348309	139560											
	Urban		961453	353445	300436	53009	608008	487203	277559	250858	474250	75886	49578											
Meghalaya	Total		2966889	1185619	921575	264044	1781270	1491832	703709	585520	1475057	481910	336055											
	Rural		2371439	973458	730959	242499	1397981	1194260	561812	455430	1177179	411646	275529											
	Urban		595450	212161	190616	21545	383289	297572	141897	130090	297878	70264	60526											
Assam	Total		31205576	11969690	8687123	3282567	19235886	15939443	8541560	7034642	15266133	3428130	1652481											
	Rural		26807034	10368283	7311015	3057268	16438751	13678989	7257852	5880174	13128045	3110431	1430841											
	Urban		4398542	1601407	1376108	225299	2797135	2260454	1283708	1154468	2138088	317699	221640											
West Bengal	Total		91276115	34756355	25686630	9069725	56519760	46809027	26716047	21678279	44467088	8040308	4008351											
	Rural		62183113	24082481	16489485	7592996	38100632	31844945	18211180	14019915	30338168	5871301	2469570											
	Urban		29093002	10673874	9197145	1476729	18419128	14964082	8504867	7658364	14128920	2169007	1538781											
Jharkhand	Total		32988134	13098274	6818595	6279679	19889860	16930315	8424769	5234442	16057819	4673505	1584153											
	Rural		25055073	10777152	4886840	5890312	14277921	12776486	6484142	3563422	12278587	4293010	1323418											
	Urban		7933061	2321122	1931755	389367	5611939	4153829	1940627	1671020	3779232	380495	260735											
Odisha	Total		41974218	17541589	10707543	6834046	24432629	21212136	11902655	8794413	20762082	5638934	1913130											
	Rural		34970562	15103714	8623947	6479767	19866848	17586203	9941574	7045991	17384359	5162140	1577956											
	Urban		7003656	2437875	2083596	354279	4565781	3625933	1961081	1748422	3377723	476794	335174											
Chhattisgarh	Total		25545198	12180225	8241714	3938511	13364973	12832895	7133866	5597454	12712303	5046359	2644260											
	Rural		19607961	10063114	6365271	3697843	9544847	9797426	5522258	4114031	9810535	4540856	2251240											
	Urban		5937237	2117111	1876443	240668	3820126	3035469	1611608	1483423	2901768	505503	393020											
Madhya Pradesh	Total		72626809	31574133	22702119	8872014	41052676	37612306	20146970	16362065	35014503	11427163	6340054											
	Rural		52557404	24715198	16729558	7985640	27149388	14741977	11488183	25408016	9973221	5241375												
	Urban		20069405	6858935	5972561	886374	13210470	10462918	5404993	4873882	9606487	1453942	1098679											
(Contd.)																								

(Contd.)

Table 2.3(b) (Contd.)

States \ UTs	Total/ Urban/ Rural	(1)	(2)	Total Population	(3)	Total Working Population	(4)	Total Main Workers	(5)	Total Marginal Workers	(6)	Total Non Workers	(7)	Male Population	(8)	Male Working Population	(9)	Male Main Workers	(10)	Female Population	(11)	Female Working Population	(12)	Female Main Workers	(13)
Gujarat	Total			60439692	24767747	20365374	4402373	35671945	31491260	18000914	16567695	28948432	6766833	3797679											
	Rural			34694609	15570092	11878120	3691972	19124517	17799159	10171584	9141339	16895450	5398508	2736781											
	Urban			25745083	9197655	8487254	710401	16547428	13692101	7829330	7426356	12052982	1368325	1060898											
Daman & Diu	Total			243247	121271	116435	4836	121976	150301	107434	104614	92946	13837	11821											
	Rural			60396	23303	21435	1868	37093	32395	18862	18131	28001	4441	3304											
	Urban			182851	97968	95000	2968	84883	117906	88572	86483	64945	9396	8517											
Dadra & Nagar Haveli	Total			343709	157161	130299	26862	186548	193760	119293	109125	149949	37868	21174											
	Rural			183114	84123	62211	21912	98991	98305	55803	48239	84809	28320	13972											
	Urban			160595	73038	68088	4950	87557	95455	63490	60886	65140	9548	7202											
Maharashtra	Total			112374333	49427878	43762890	5664988	62946455	58243056	32616875	29989314	54131277	16811003	13773576											
	Rural			61556074	30650871	26510066	4140805	30905203	31539034	17887071	16188697	30017040	12763800	10321369											
	Urban			50818259	18777007	17252824	1524183	32041252	26704022	14729804	13800617	24114237	4047203	3452207											
Andhra Pradesh	Total			84580777	39422906	33037378	6385528	45157871	42442146	24185595	21460081	42138631	15237311	11577297											
	Rural			56361702	29052307	24142968	4909339	27309395	28243241	16498189	14585917	28118461	12554118	9557051											
	Urban			28219075	10370599	8894410	1476189	17848476	14198905	7687406	6874164	14020170	2683193	2020246											
Karnataka	Total			61095297	27872597	23397181	4475416	33222700	30966657	18270116	16349837	30128640	9602481	7047344											
	Rural			37469335	18502230	15060905	3441325	18967105	18929354	11311426	10003021	18539981	7190804	5057884											
	Urban			23625962	9370367	8336276	1034091	14255595	12037303	6958690	6346816	11588659	2411677	1989460											
Goa	Total			1458545	577248	476053	101195	881297	739140	419536	356967	719405	157712	119086											
	Rural			551731	215536	164519	51017	336195	275436	152986	122042	276295	62550	42477											
	Urban			906814	361712	311534	50178	545102	463704	266550	234925	443110	95162	76609											
Lakshadweep	Total			64473	18753	10804	7949	45720	33123	15318	9137	31350	3435	1667											
	Rural			14141	4653	2225	2428	9488	7243	3787	1878	6898	866	347											
	Urban			50332	14100	8579	5521	36232	25880	11531	7259	24452	2569	1320											

(Contd.)



Table 2.3(b) (Contd.)

States\UTs	Total/ Urban/ Rural	(1)	(2)	Total Population	Total Working Population	(4)	Total Main Workers	(5)	Total Marginal Workers	(6)	Total Non Workers	(7)	Male Population	(8)	Male Working Population	(9)	Male Main Workers	(10)	Female Population	(11)	Female Working Population	(12)	Female Main Workers	(13)
Kerala	Total			33406061	11619063		9329747		2289316		21786998		16027412		8451569		7179828		17378649		3167494		2149919	
	Rural			17471135	6341957		4930191		1411766		11129178		8408054		4507501		3743078		9063081		1834456		1187113	
	Urban			15934926	5277106		4399556		877550		10657820		7619358		3944068		3436750		8315568		1333038		962806	
Tamil Nadu	Total			72147030	32884681		27942181		4942500		39262349		36137975		21434978		18961194		36009055		11449703		8980987	
	Rural			37229590	18861330		15339116		3522214		18368260		18679065		11214535		9552474		18550525		7646795		5786642	
	Urban			34917440	14023351		12603065		1420286		20894089		17458910		10220443		9408720		17458530		3802908		3194345	
Puducherry	Total			1247953	444968		399689		45279		802985		612511		332931		306409		635442		112037		93280	
	Rural			395200	147876		122188		25688		247324		194907		105705		91068		200293		42171		31120	
	Urban			852753	297092		277501		19591		555661		417604		227226		215341		435149		69866		62160	
Andaman & Nicobar Islands	Total			380581	152535		125910		26625		228046		202871		120889		103619		177710		31646		22291	
	Rural			237093	94469		72366		22103		142624		126287		74670		60411		110806		19799		11955	
	Urban			143488	58066		53544		4522		85422		76584		46219		43208		66904		11847		10336	

Source: Registrar General of India.

Note 1 : India and Jammu &amp; Kashmir exclude population of those portion of Jammu &amp; Kashmir which are under illegal occupation of Pakistan and China.

Table 2.3(c) State-wise Classification of Cultivators - 2011

States\UTs	Total / Urban / Rural	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
India	Total		118808780	144333690	82762934	82742337	36045846	61591353	
	Rural		115084638	136998308	79895308	77932222	35189330	59066086	
	Urban		3724142	7335382	2867626	4810115	856516	2525267	
Jammu & Kashmir	Total		1245316	547705	765527	414344	479789	133361	
	Rural		1180384	498531	729874	376051	450510	122480	
	Urban		64932	49174	35653	38293	29279	10881	
Himachal Pradesh	Total		2062062	175038	906154	103060	1155908	71978	
	Rural		2048582	170279	899954	99801	1148628	70478	
	Urban		13480	4759	6200	3259	7280	1500	
Punjab	Total		1934511	1588455	1753359	1239445	181152	349010	
	Rural		1840001	1474732	1669638	1146165	170363	328567	
	Urban		94510	113723	83721	93280	10789	20443	
Chandigarh	Total		2578	1687	2114	1375	464	312	
	Rural		457	168	406	122	51	46	
	Urban		2121	1519	1708	1253	413	266	
Uttarakhand	Total		1580423	403301	735412	286540	845011	116761	
	Rural		1558630	372841	720621	261909	838009	110932	
	Urban		21793	30460	14791	24631	7002	5829	
Haryana	Total		2480801	1528133	1789122	1041241	691679	486892	
	Rural		2398597	1405956	1721232	943900	677365	462056	
	Urban		82204	122177	67890	97341	14314	24836	
Delhi	Total		33398	39475	27458	31352	5940	8123	
	Rural		13614	8528	11280	6473	2334	2055	
	Urban		19784	30947	16178	24879	3606	6068	
(Contd.)									

(Contd.)

Table 2.3(c) (Contd.)

States\UTs	Total / Urban / Rural	Cultivators (Main and Marginal)	Agricultural Labour (Main and Marginal)	Male Cultivators (Main and Marginal)	Male Agricultural Labour (Main and Marginal)	Female Cultivators (Main and Marginal)	Female Agricultural Labour (Main and Marginal)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Rajasthan	Total	13618870	4939664	7518486	2132669	6100384	2806995
	Rural	13358033	4733917	7349824	2013143	6008209	2720774
	Urban	260837	205747	168662	119526	92175	86221
Uttar Pradesh	Total	19057888	19939223	15511533	13803442	3546355	6135781
	Rural	18500982	18910579	15030284	12957833	3470698	5952746
	Urban	556906	1028644	481249	845609	75657	183035
Bihar	Total	7196226	18345649	5745420	12570717	1450806	5774932
	Rural	7008060	17831900	5583964	12173757	1424096	5658143
	Urban	188166	513749	161456	396960	26710	116789
Sikkim	Total	117401	25986	63327	12883	54074	13103
	Rural	116532	24880	62869	12297	53663	12583
	Urban	869	1106	458	586	411	520
Arunachal Pradesh	Total	302723	36171	152863	18377	149860	17794
	Rural	298137	33558	150267	16862	147870	16696
	Urban	4586	2613	2596	1515	1990	1098
Nagaland	Total	537702	62962	259454	31857	278248	31105
	Rural	516783	55677	250559	28133	266224	27544
	Urban	20919	7285	8895	3724	12024	3561
Manipur	Total	574031	114918	327109	46032	246922	68886
	Rural	523537	90644	293208	35797	230329	54847
	Urban	50494	24274	33901	10235	16593	14039

(Contd.)

Table 2.3(c) (Contd.)

States\UTs	Total / Urban / Rural	Cultivators (Main and Marginal)	Agricultural Labour (Main and Marginal)	Male Cultivators (Main and Marginal)	Male Agricultural Labour (Main and Marginal)	Female Cultivators (Main and Marginal)	Female Agricultural Labour (Main and Marginal)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Mizoram	Total	229603	41787	129482	22488	100121	19299
	Rural	192194	19085	107813	9555	84381	9530
	Urban	37409	22702	21669	12933	15740	9769
Tripura	Total	295947	353618	228868	214106	67079	139512
	Rural	285729	338922	219951	203358	65778	135564
	Urban	10218	14696	8917	10748	1301	3948
Meghalaya	Total	494675	198364	277330	106342	217345	92022
	Rural	486320	192223	272616	102620	213704	89603
	Urban	8355	6141	4714	3722	3641	2419
Assam	Total	4061627	1845346	3099763	1129210	961864	716136
	Rural	4018907	1814075	3066222	1107173	952685	706902
	Urban	42720	31271	33541	22037	9179	9234
West Bengal	Total	5116688	10188842	4500041	7452814	616647	2736028
	Rural	4952543	9843816	4368282	7172599	584261	2671217
	Urban	164145	345026	131759	280215	32386	64811
Jharkhand	Total	3814832	4436052	2291182	2341700	1523650	2094352
	Rural	3752614	4339302	2247745	2276639	1504869	2062663
	Urban	62218	96750	43437	65061	18781	31689
Odisha	Total	4103989	6739993	3375350	3481836	728639	3258157
	Rural	4030351	6618943	3312661	3404743	717690	3214200
	Urban	73638	121050	62689	77093	10949	43957

(Contd.)

Table 2.3(c) (Contd.)

States\UTs	Total / Urban / Rural	(2)	(3)	Cultivators (Main and Marginal)	Agricultural Labour (Main and Marginal)	(4)	Male Cultivators (Main and Marginal)	(5)	Male Agricultural Labour (Main and Marginal)	(6)	Female Cultivators (Main and Marginal)	(7)	Female Agricultural Labour (Main and Marginal)	(8)
Chhattisgarh	Total		4004796			5091882		2424025		2344549		1580771		2747333
	Rural		3901065			4894820		2354630		2243248		1546435		2651572
	Urban		103731			197062		69395		101301		34336		95761
Madhya Pradesh	Total		9844439			12192267		6591064		6310657		3253375		5881610
	Rural		9473811			11691203		6300435		6009667		3173376		5681536
	Urban		370628			501064		290629		300990		79999		200074
Gujarat	Total		5447500			6839415		4244449		3649591		1203051		3189824
	Rural		5251457			6481295		4079513		3411622		1171944		3069673
	Urban		196043			358120		164936		237969		31107		120151
Daman & Diu	Total		2316			772		1492		362		824		410
	Rural		1654			551		938		193		716		358
	Urban		662			221		554		169		108		52
Dadra & Nagar Haveli	Total		28164			17799		18296		5453		9868		12346
	Rural		26140			16569		16760		4892		9380		11677
	Urban		2024			1230		1536		561		488		669
Maharashtra	Total		12569373			13486140		7592313		6774538		4977060		6711602
	Rural		12216563			12720993		7324880		6307148		4891683		6413845
	Urban		352810			765147		267433		467390		85377		297757
Andhra Pradesh	Total		6491522			16967754		4357304		8130022		2134218		8837732
	Rural		6267888			16102617		4192776		7656866		2075112		8445751
	Urban		223634			865137		164528		473156		59106		391981

(Contd.)

Table 2.3(c) (Contd.)

States\UTs	Total / Urban / Rural	(2)	Cultivators (Main and Marginal)	(3)	Agricultural Labour (Main and Marginal)	(4)	Male Cultivators (Main and Marginal)	(5)	Male Agricultural Labour (Main and Marginal)	(6)	Female Cultivators (Main and Marginal)	(7)	Female Agricultural Labour (Main and Marginal)	(8)
Karnataka	Total		6580649		7155963		4753708		3283279		1826941		3872684	
	Rural		6340930		6737213		4565677		3047116		1775253		3690097	
	Urban		239719		418750		188031		236163		51688		182587	
Goa	Total		31354		26760		18848		14816		12506		11944	
	Rural		26275		20508		15474		11036		10801		9472	
	Urban		5079		6252		3374		3780		1705		2472	
Lakshadweep	Total		0		0		0		0		0		0	
	Rural		0		0		0		0		0		0	
	Urban		0		0		0		0		0		0	
Kerala	Total		670253		1322850		546906		857995		123347		464855	
	Rural		587029		1083003		478881		690294		108148		392709	
	Urban		83224		239847		68025		167701		15199		72146	
Tamil Nadu	Total		4248457		9606547		2732479		4842707		1515978		4763840	
	Rural		3885657		8408101		2476311		4162199		1409346		4245902	
	Urban		362800		1198446		256168		680508		106632		517938	
Puducherry	Total		12099		68391		10033		42794		2066		25597	
	Rural		8997		58259		7399		35397		1598		22862	
	Urban		3102		10132		2634		7397		468		2735	
Andaman & Nicobar Islands	Total		16567		4781		12663		3744		3904		1037	
	Rural		16185		4620		12364		3614		3821		1006	
	Urban		382		161		299		130		83		31	

Source: Registrar General of India.

Note 1 : India and Jammu &amp; Kashmir exclude population of those portion of Jammu &amp; Kashmir which are under illegal occupation of Pakistan and China.

Table 2.4: State-wise Percentage of Population Below Poverty Line

States/UTs	2004-05			2009-10			2011-12		
	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Andhra Pradesh	32.3	23.4	29.6	22.8	17.7	21.1	11.0	5.8	9.2
Arunachal Pradesh	33.6	23.5	31.4	26.2	24.9	25.9	38.9	20.3	34.7
Assam	36.4	21.8	34.4	39.9	26.1	37.9	33.9	20.5	32.0
Bihar	55.7	43.7	54.4	55.3	39.4	53.5	34.1	31.2	33.7
Chhattisgarh	55.1	28.4	49.4	56.1	23.8	48.7	44.6	24.8	39.9
Delhi	15.6	12.9	13.0	7.7	14.4	14.2	12.9	9.8	9.9
Goa	28.1	22.2	24.9	11.5	6.9	8.7	6.8	4.1	5.1
Gujarat	39.1	20.1	31.6	26.7	17.9	23.0	21.5	10.1	16.6
Haryana	24.8	22.4	24.1	18.6	23.0	20.1	11.6	10.3	11.2
Himachal Pradesh	25.0	4.6	22.9	9.1	12.6	9.5	8.5	4.3	8.1
Jammu & Kashmir	14.1	10.4	13.1	8.1	12.8	9.4	11.5	7.2	10.4
Jharkhand	51.6	23.8	45.3	41.6	31.1	39.1	40.8	24.8	37.0
Karnataka	37.5	25.9	33.3	26.1	19.6	23.6	24.5	15.3	20.9
Kerala	20.2	18.4	19.6	12.0	12.1	12.0	9.1	5.0	7.1
Madhya Pradesh	53.6	35.1	48.6	42.0	22.9	36.7	35.7	21.0	31.7
Maharashtra	47.9	25.6	38.2	29.5	18.3	24.5	24.2	9.1	17.4
Manipur	39.3	34.5	37.9	47.4	46.4	47.1	38.8	32.6	36.9
Meghalaya	14.0	24.7	16.1	15.3	24.1	17.1	12.5	9.3	11.9
Mizoram	23.0	7.9	15.4	31.1	11.5	21.1	35.4	6.4	20.4
Nagaland	10.0	4.3	8.8	19.3	25.0	20.9	19.9	16.5	18.9

(Contd.)

Table 2.4 (Contd.)

States/UTs	2004-05			2009-10			2011-12		
	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Odisha	60.8	37.6	57.2	39.2	25.9	37.0	35.7	17.3	32.6
Puducherry	22.9	9.9	14.2	0.2	1.6	1.2	17.1	6.3	9.7
Punjab	22.1	18.7	20.9	14.6	18.1	15.9	7.7	9.2	8.3
Rajasthan	35.8	29.7	34.4	26.4	19.9	24.8	16.1	10.7	14.7
Sikkim	31.8	25.9	30.9	15.5	5.0	13.1	9.9	3.7	8.2
Tamil Nadu	37.5	19.7	29.4	21.2	12.8	17.1	15.8	6.5	11.3
Tripura	44.5	22.5	40.0	19.8	10.0	17.4	16.5	7.4	14.1
Uttar Pradesh	42.7	34.1	40.9	39.4	31.7	37.7	30.4	26.1	29.4
Uttarakhand	35.1	26.2	32.7	14.9	25.2	18.0	11.6	10.5	11.3
West Bengal	38.2	24.4	34.2	28.8	22.0	26.7	22.5	14.7	20.0
<b>All-India</b>	<b>42.0</b>	<b>25.5</b>	<b>37.2</b>	<b>33.8</b>	<b>20.9</b>	<b>29.8</b>	<b>25.7</b>	<b>13.7</b>	<b>21.9</b>

Source: Planning Commission

Notes:

1. Poverty estimates are based on the methodology suggested by the 'Expert Group on Methodology for estimation of poverty', chaired by Dr. Suresh.D. Tendulkar
2. Number of persons below poverty line in 2004-05 are estimated based on Population as on 1st March 2005 (revised on the basis of 2011 population census)
3. Number of persons below poverty line in 2009-10 are estimated based on Population as on 1st March 2010 (interpolated between 2001 and 2011 population Census)
4. Number of persons below poverty line in 2011-12 are estimated based on Population as on 1st March 2012 (2011 Census population extrapolated)
5. Poverty line of Tamil Nadu is used for Andaman and Nicobar Island.
6. Urban Poverty Line of Punjab is used for both rural and urban areas of Chandigarh.
7. Poverty Line of Maharashtra is used for Dadra & Nagar Haveli.
8. Poverty Line of Goa is used for Daman & Diu
9. Poverty Line of Kerala is used for Lakshadweep.



**Table 2.5:** Population & Labour Force Projections

Year →	2011	2012	2013	2014	2015	2016	2017
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Total Population (0+) (in millions)	1210.2	1227.1	1244.0	1260.6	1277.1	1293.5	1309.7
Population (15 & above) (in millions)	849.6	871.3	893.2	915.2	937.4	959.8	982.2
15 & above population (%)	70.2	71.0	71.8	72.6	73.4	74.2	75.0
Labour Force (15 & above) (in millions)	477.9	482.7	487.2	491.5	495.4	499.1	502.4
LJFPR for 15 and above age group (%)	56.3	55.4	54.5	53.7	52.8	52.0	51.2

Source: 12th Plan Document, Volume III, Chapter 22: Employment & Skill Development, Planning Commission

**Table 2.6(a):** Gross Value Added (GVA) at basic prices by Economic Activity  
(at 2011-12 prices)

Sl. No.	Industry	2011-12* (3)	2012-13* (4)	2013-14* (5)	2014-15# (6)	2015-16 (PE) (7)
(1)	(2)					
<b>1.</b>	<b>Agriculture, forestry and fishing</b>	<b>1501816</b>	<b>1524398</b>	<b>1588237</b>	<b>1584293</b>	<b>1604044</b>
1.1	crops	982026	983873	1025082	992159	
1.2	livestock	327301	344333	363448	389846	
1.3	forestry and logging	124461	124830	122946	121681	
1.4	fishing and aquaculture	68027	71362	76760	80607	
<b>2.</b>	<b>Mining and quarrying</b>	<b>261035</b>	<b>259683</b>	<b>267378</b>	<b>296328</b>	<b>318377</b>
3.	Manufacturing	1409986	1495268	1579721	1667069	1821926
3.1	Food Products, Beverages and Tobacco	167524	156991	156817	164696	
3.2	Textiles, Apparel and Leather Products	153238	183459	224517	235861	
3.3	Metal Products	229627	233498	294651	318488	
3.4	Machinery and Equipment	334670	344670	316242	334419	
3.5	Other Manufactured Goods	524927	576651	587495	613605	
<b>4.</b>	<b>Electricity, gas, water supply &amp; other utility services</b>	<b>186668</b>	<b>191876</b>	<b>200861</b>	<b>216970</b>	<b>231228</b>
<b>5.</b>	<b>Construction</b>	<b>777363</b>	<b>782256</b>	<b>818494</b>	<b>854636</b>	<b>887957</b>
<b>6.</b>	<b>Trade, repair, hotels and restaurants</b>	<b>883582</b>	<b>980398</b>	<b>1051089</b>	<b>1163083</b>	<b>1998292**</b>
6.1	Trade & repair services	793681	887566	955993	1058941	
6.2	Hotels & restaurants	89901	92832	95097	104142	
<b>7.</b>	<b>Transport, storage, communication &amp; services related to broadcasting</b>	<b>529534</b>	<b>569210</b>	<b>618755</b>	<b>670915</b>	
7.1	Railways	61150	68958	73100	78752	
7.2	Road transport	262442	282454	300094	318959	

(Contd.)

Table 2.6(a) (Contd.)

Sl. No.	Industry	2011-12*	2012-13*	2013-14*	2014-15#	2015-16 (PE)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
7.3	Water transport	6910	7053	7351	7953	
7.4	Air transport	4393	4085	4440	5008	
7.5	Services incidental to transport	63602	66416	69743	74640	
7.6	Storage	5108	5709	5256	6137	
7.7	Communication & services related to broadcasting	125930	134534	158771	179465	
<b>8</b>	<b>Financial, Real Estate &amp; Professional Services</b>	<b>1530691</b>	<b>1675592</b>	<b>1844070</b>	<b>2039460</b>	<b>2248845</b>
8.1	Financial services	480226	526156	551258	594691	
8.2	Real estate, ownership of dwelling & professional services	1050465	1149436	1292812	1444769	
<b>9</b>	<b>Public Administration, Defence &amp; other services</b>	<b>1025982</b>	<b>1067871</b>	<b>1115765</b>	<b>1234737</b>	<b>1316522</b>
9.1	Public administration and defence	491155	499136	515352	565871	
9.2	Other services	534827	568734	600414	668866	
<b>10.</b>	<b>TOTAL GVA at basic prices</b>	<b>8106656</b>	<b>8546552</b>	<b>9084369</b>	<b>9727490</b>	<b>10427191</b>
11.	Total Net Value Added at basic prices	7189515	7537348	7982616	8534815	10427191
12.	Product Taxes less Product Subsidies	629383	680327	755065	824660	923057
13.	Net Factor Income from Abroad	-76824	-108170	-122372	-124450	-136921
14.	NNI	7742074	8109505	8615309	9235026	9934863
15.	Per Capita Income (in Rupees)	63460	65664	68867	72889	77435

Source: Central Statistics Office (as per Provisional Estimates of Annual National Income, 2015-16 released on 31.05.2016).

PE: Provisional Estimates

# : 1st Revised Estimates (New Series)

\* : 2nd Revised Estimates (New Series)

\*\* : Includes trade, hotels, transport, communications and services related to broadcasting.

**Table 2.6(b):** Gross Value Added (GVA) at basic prices by Economic Activity  
(at current prices)

Sl. No.	industry	2011-12*	2012-13*	2013-14*	2014-15#	2015-16(PE)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
<b>1.</b>	<b>Agriculture, forestry and fishing</b>	<b>1501816</b>	<b>1680797</b>	<b>1902452</b>	<b>1995251</b>	<b>2093081</b>
1.1	crops	982026	1090587	1232116	1252412	
1.2	livestock	327301	375254	429662	500405	
1.3	forestry and logging	124461	135048	143084	138137	
1.4	fishing and aquaculture	68027	79908	97590	104297	
<b>2.</b>	<b>Mining and quarrying</b>	<b>261035</b>	<b>285780</b>	<b>295978</b>	<b>304300</b>	<b>318672</b>
<b>3.</b>	<b>Manufacturing</b>	<b>1409986</b>	<b>1573632</b>	<b>1714730</b>	<b>1845541</b>	<b>1994330</b>
3.1	Food Products, Beverages and Tobacco	167524	168296	175392	192629	
3.2	Textiles, Apparel and Leather Products	153238	187981	243138	262003	
3.3	Metal Products	229627	249131	310410	337957	
3.4	Machinery and Equipment	334670	356375	335328	361673	
3.5	Other Manufactured Goods	524927	611848	650462	691279	
<b>4.</b>	<b>Electricity, gas, water supply &amp; other utility services</b>	<b>186668</b>	<b>215538</b>	<b>255812</b>	<b>288935</b>	<b>320186</b>
<b>5.</b>	<b>Construction</b>	<b>777363</b>	<b>847573</b>	<b>931680</b>	<b>1003903</b>	<b>1016659</b>
<b>6.</b>	<b>Trade, repair, hotels and restaurants</b>	<b>883582</b>	<b>1054598</b>	<b>1197668</b>	<b>1352240</b>	<b>2281533**</b>
6.1	Trade & repair services	793681	954749	1089250	1231073	
6.2	Hotels & restaurants	89901	99850	108418	121167	
<b>7.</b>	<b>Transport, storage, communication &amp; services related to broadcasting</b>	<b>529534</b>	<b>609490</b>	<b>691167</b>	<b>788129</b>	
7.1	Railways	61150	72297	78799	92213	
7.2	Road transport	262442	300658	337147	367114	

(Contd.)

Table 2.6(b) (Contd.)

Sl. No.	industry	2011-12*	2012-13*	2013-14*	2014-15#	2015-16(PE)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
7.3	Water transport	6910	7199	6498	7905	
7.4	Air transport	4393	8147	7157	19618	
7.5	Services incidental to transport	63602	72054	75621	85910	
7.6	Storage	5108	6165	6164	7409	
7.7	Communication & services related to broadcasting	125930	142969	179782	207959	
<b>8</b>	<b>Financial, Real Estate &amp; Professional services</b>	<b>1530691</b>	<b>1780167</b>	<b>2082765</b>	<b>2359279</b>	<b>2534422</b>
8.1	Financial services	480226	536819	602214	650360	
8.2	Real estate, ownership of dwelling & professional services	1050465	1243348	1480551	1708919	
<b>9</b>	<b>Public Administration, Defence &amp; other services</b>	<b>1025982</b>	<b>1162448</b>	<b>1308562</b>	<b>1534831</b>	<b>1720527</b>
9.1	Public administration and defence	491155	544637	609657	708535	
9.2	Other services	534827	617811	698905	826296	
<b>10.</b>	<b>Total GVA at basic prices</b>	<b>8106656</b>	<b>9210023</b>	<b>10380813</b>	<b>11472409</b>	<b>12279410</b>
11.	NVA at basic prices	7189515	8150056	9182341	10139229	12279410
12.	Net taxes on Products	629383	741321	891951	1015796	1296675
13.	Net Factor Income from Abroad	-76824	-116763	-139887	-147433	-157341
14.	NNI	7742074	8774615	9934405	11007592	11969428
15.	Per Capita Income (in Rupees)	63460	71050	79412	86879	93293

Source: Central Statistics Office (As per Provisional Estimates of Annual National Income, 2015-16 released on 31.05.2016).

PE: Provisional Estimates

# : 1st Revised Estimates (New Series)

\* : 2nd Revised Estimates (New Series)

\*\* Includes trade, hotels, transport, communications and services related to broadcasting

Table 2.6 (c): Percentage share of Gross Value Added (GVA) at 2011-12 Prices

Sl. No.	Industry	2011-12*	2012-13*	2013-14*	2014-15#	2015-16 (PE)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
<b>1</b>	<b>Agriculture, forestry &amp; fishing</b>	<b>18.5</b>	<b>17.8</b>	<b>17.5</b>	<b>16.3</b>	<b>15.4</b>
1.1	crops	12.1	11.5	11.3	10.2	
1.2	livestock	4.0	4.0	4.0	4.0	
1.3	forestry and logging	1.5	1.5	1.4	1.3	
1.4	fishing and aquaculture	0.8	0.8	0.8	0.8	
<b>2</b>	<b>Industry</b>	<b>32.5</b>	<b>31.9</b>	<b>31.6</b>	<b>31.2</b>	<b>31.3</b>
2.1	mining & quarrying	3.2	3.0	2.9	3.0	3.1
2.2	manufacturing	17.4	17.5	17.4	17.1	17.5
2.3	electricity, gas, water supply & other utility services	2.3	2.2	2.2	2.2	2.2
2.4	construction	9.6	9.2	9.0	8.8	8.5
<b>3</b>	<b>Services</b>	<b>49.0</b>	<b>50.2</b>	<b>51.0</b>	<b>52.5</b>	<b>53.4</b>
<b>4</b>	<b>Gross Value Added at basic prices</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

Source: Central Statistics Office (As per Provisional Estimates of Annual National Income, 2015-16 released on 31.05.2016).

PE: Provisional Estimates

# : 1st Revised Estimates (New Series)

\* : 2nd Revised Estimates (New Series)

**Table 2.6 (d):** Percentage growth of GVA at 2011-12 Prices

Sl No.	Industry	2012-13*	2013-14*	2014-15#	2015-16(PE)
(1)	(2)	(3)	(4)	(5)	(6)
<b>1</b>	<b>Agriculture, forestry &amp; fishing</b>	<b>1.5</b>	<b>4.2</b>	<b>-0.2</b>	<b>1.2</b>
1.1	crops	0.2	4.2	-3.2	
1.2	livestock	5.2	5.6	7.3	
1.3	forestry and logging	0.3	-1.5	-1.0	
1.4	fishing and aquaculture	4.9	7.6	5.0	
<b>2</b>	<b>Industry</b>	<b>3.6</b>	<b>5.0</b>	<b>5.9</b>	<b>7.4</b>
2.1	mining & quarrying	-0.5	3.0	10.8	7.4
2.2	manufacturing	6.0	5.6	5.5	9.3
2.3	electricity, gas, water supply & other utility services	2.8	4.7	8.0	6.6
2.4	construction	0.6	4.6	4.4	3.9
<b>3</b>	<b>Services</b>	<b>8.1</b>	<b>7.8</b>	<b>10.3</b>	<b>8.9</b>
<b>4</b>	<b>Gross Value Added at basic prices</b>	<b>5.4</b>	<b>6.3</b>	<b>7.1</b>	<b>7.2</b>

Source: Central Statistics Office (As per Provisional Estimates of Annual National Income, 2015-16 released on 31.05.2016).

PE: Provisional Estimates

# : 1st Revised Estimates (New Series)

\* : 2nd Revised Estimates (New Series)

Table 2.6 (e): Gross Domestic Product by Economic Activity at Constant Prices (2004-05 series)

Sl. No.	Industry	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
<b>1</b>	<b>Agriculture, Forestry &amp; Fishing</b>	<b>565426</b>	<b>594487</b>	<b>619190</b>	<b>655080</b>	<b>655689</b>	<b>660987</b>	<b>717814</b>
1.1	agriculture	476634	502996	523745	556956	555442	557715	610905
1.2	forestry & logging	61640	62742	64795	65697	66932	68877	70509
1.3	fishing	27152	28749	30650	32427	33315	34395	36400
<b>2</b>	<b>Industry</b>	<b>829783</b>	<b>910413</b>	<b>1021204</b>	<b>1119995</b>	<b>1169736</b>	<b>1276919</b>	<b>1373339</b>
2.1	mining & quarrying	85028	86141	92578	95997	98055	103830	110617
2.2	Manufacturing	453225	499020	570458	629073	656302	730435	795152
2.2.1	registered	292344	327739	379374	417528	442055	504601	555240
2.2.2	unregistered	160881	171281	191084	211545	214247	225834	239912
2.3	electricity, gas & water supply	62675	67123	73362	79430	83050	88218	92862
2.4	construction	228855	258129	284806	315495	332329	354436	374708
<b>3</b>	<b>Services</b>	<b>1576255</b>	<b>1748173</b>	<b>1923970</b>	<b>2121561</b>	<b>2333251</b>	<b>2578165</b>	<b>2193213</b>
3.1	trade, hotels & restaurant	477303	535397	594918	655013	692224	747019	836352
3.1.1	trade	433967	484521	536693	589242	628627	682207	764018
3.1.2	hotels & restaurants	43336	50876	58225	65771	63597	64812	72334
<b>4</b>	<b>transport, storage &amp; communication</b>	<b>250417</b>	<b>280010</b>	<b>315166</b>	<b>354507</b>	<b>392901</b>	<b>450872</b>	<b>507672</b>
4.1	railways	29162	31339	34832	38235	41161	44763	47404
4.2	transport by other means	169995	185741	202367	219969	231564	248380	268669
4.3	storage	1980	2073	2298	2375	2711	3233	3353
4.4	communication	49280	60857	75669	93928	117465	154496	188246

(Contd.)



Table 2.6(c) (Contd.)

Sl. No.	Industry	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
5	<b>financing, insurance, real estate &amp; business services</b>	<b>437174</b>	<b>492340</b>	<b>561063</b>	<b>628124</b>	<b>703629</b>	<b>771905</b>	<b>849189</b>
5.1	banking & insurance	171098	198158	238899	278776	317826	353983	406609
5.2	real estate, ownership of dwellings, business & legal services	266076	294182	322164	349348	385803	417922	442580
6	<b>community, social &amp; personal services</b>	<b>411361</b>	<b>440426</b>	<b>452823</b>	<b>483917</b>	<b>544497</b>	<b>608369</b>	<b>634167</b>
6.1	public administration & defence	174638	182212	185639	199773	239349	281365	280268
6.2	other services	236723	258214	267184	284144	305148	327004	353899
7	<b>Gross Domestic Product at factor cost</b>	<b>2971464</b>	<b>3253073</b>	<b>3564364</b>	<b>3896636</b>	<b>4158676</b>	<b>4516071</b>	<b>4284366</b>
8	Total Net Domestic Product at factor cost	2651573	2902180	3178664	3469008	3689772	3994165	4348233
9	Net Factor Income from Abroad	-22375	-24896	-29515	-17179	-25384	-27757	-54647
10	NNP at Factor Cost	2629198	2877284	3149149	3451829	3664388	3966408	4293586
11	Per Capita Income (in Rupees)	24143	26015	28067	30332	31754	33901	36202

Source: Central Statistics Office.

Table 2.6 (f): Gross Domestic Product by Economic Activity at Current Prices (2004-05 series)

Sl. No.	Industry	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
<b>1</b>	<b>Agriculture, Forestry &amp; Fishing</b>	<b>565426</b>	<b>637772</b>	<b>722984</b>	<b>836518</b>	<b>943204</b>	<b>1083514</b>	<b>1319686</b>
1.1	Agriculture	476634	536822	604672	716276	806646	928,586	1,143,517
1.2	forestry & logging	61640	69251	83130	81311	92485	104,558	118,898
1.3	fishing	27152	31699	35182	38931	44073	50,370	57,271
<b>2</b>	<b>Industry</b>	<b>829783</b>	<b>953872</b>	<b>1140197</b>	<b>1330270</b>	<b>1500254</b>	<b>1,695,796</b>	<b>1,968,450</b>
2.1	Mining & quarrying	85028	94462	106787	124812	139828	159,304	204,866
2.2	manufacturing	453225	521669	634828	732720	818322	922151	1072489
2.2.1	registered	292344	345443	427075	492758	561460	643,538	754,553
2.2.2	unregistered	160881	176226	207753	239962	256862	278,613	317,936
2.3	electricity, gas & water supply	62675	69107	76153	83830	91070	113,883	119,560
2.4	construction	228855	268634	322429	388908	451034	500,458	571,535
<b>3</b>	<b>Services</b>	<b>1576255</b>	<b>1798859</b>	<b>2090095</b>	<b>2415298</b>	<b>2860109</b>	<b>3329593</b>	<b>3960723</b>
3.1	trade, hotels & restaurant	477303	566929	675347	783247	895397	1010232	1250472
3.1.1	trade	433967	513238	609623	705025	813503	923,004	1,143,104
3.1.2	hotels & restaurants	43336	53691	65724	78222	81894	87,228	107,368
<b>4</b>	<b>transport, storage &amp; communication</b>	<b>250417</b>	<b>279677</b>	<b>323032</b>	<b>366797</b>	<b>415448</b>	<b>471391</b>	<b>529158</b>
4.1	railways	29162	30771	37429	43608	47478	55,571	56,877
4.2	transport by other means	169995	192716	224389	254404	289327	325,126	387,533
4.3	storage	1980	2155	2520	2716	3213	4,211	4,649
4.4	communication	49280	54035	58694	66069	75430	86,483	80,099

(Contd.)

Table 2.6(f) (Contd.)

Sl. No.	Industry	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
<b>5</b>	<b>financing, insurance, real estate &amp; business services</b>	<b>437174</b>	<b>493102</b>	<b>586595</b>	<b>691464</b>	<b>845369</b>	<b>964937</b>	<b>1165243</b>
5.1	banking & insurance	171098	184118	217196	251195	298931	331,793	410,407
5.2	real estate, ownership of dwellings, business & legal services	266076	308984	369399	440269	546438	633,144	754,836
<b>6</b>	<b>community, social &amp; personal services</b>	<b>411361</b>	<b>459151</b>	<b>505121</b>	<b>573790</b>	<b>703895</b>	<b>883033</b>	<b>1015850</b>
6.1	public administration & defence	174638	189827	206081	234992	306653	403,641	442,120
6.2	other services	236723	269324	299040	338798	397242	479,392	573,730
<b>7</b>	<b>Gross Domestic Product at factor cost</b>	<b>2971464</b>	<b>3390503</b>	<b>3953276</b>	<b>4582086</b>	<b>5303567</b>	<b>6108903</b>	<b>7248860</b>
8	Total Net Domestic Product at factor cost	2651573	3026782	3534547	4097390	4738370	5449104	6488641
9	Net Factor Income from Abroad	-22375	-26116	-33234	-20512	-32923	-38000	-81807
10	NNP at Factor Cost	2629198	3000666	3501313	4076878	4705447	5411104	6406834
11	Per Capita NNP (in Rupees)	24143	27131	31206	35825	40775	46249	54021

Source: Central Statistics Office.

Table 2.6 (g): Percentage Share of Gross Domestic Product (GDP) at 2004-05 Prices

Industry	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
<b>I. Agriculture, forestry &amp; fishing</b>	<b>19.0</b>	<b>18.3</b>	<b>17.4</b>	<b>16.8</b>	<b>15.8</b>	<b>14.6</b>	<b>14.6</b>
agriculture	16.0	15.5	14.7	14.3	13.4	12.3	12.4
forestry & logging	2.1	1.9	1.8	1.7	1.6	1.5	1.4
fishing	0.9	0.9	0.9	0.8	0.8	0.8	0.7
<b>II. Industry</b>	<b>27.9</b>	<b>28.0</b>	<b>28.7</b>	<b>28.7</b>	<b>28.1</b>	<b>28.3</b>	<b>27.9</b>
mining & quarrying	2.9	2.6	2.6	2.5	2.4	2.3	2.2
manufacturing	15.3	15.3	16.0	16.1	15.8	16.2	16.2
electricity, gas & water supply	2.1	2.1	2.1	2.0	2.0	2.0	1.9
construction	7.7	7.9	8.0	8.1	8.0	7.8	7.6
<b>III. Services</b>	<b>53.0</b>	<b>53.7</b>	<b>54.0</b>	<b>54.4</b>	<b>56.1</b>	<b>57.1</b>	<b>57.5</b>
<b>Gross Domestic Product at factor cost</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

Source: Central Statistics Office.

Table 2.6 (h): Percentage Growth of Gross Domestic Product (GDP) at 2004-05 Prices

Industry	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
(1)	(2)	(3)	(4)	(5)	(6)	(7)
<b>I. Agriculture, forestry &amp; fishing</b>	<b>5.1</b>	<b>4.2</b>	<b>5.8</b>	<b>0.1</b>	<b>0.8</b>	<b>8.6</b>
Agriculture	5.5	4.1	6.3	-0.3	0.4	9.5
forestry & logging	1.8	3.3	1.4	1.9	2.9	2.4
fishing	5.9	6.6	5.8	2.7	3.2	5.8
<b>II. Industry</b>	<b>9.7</b>	<b>12.2</b>	<b>9.7</b>	<b>4.4</b>	<b>9.2</b>	<b>7.6</b>
Mining & quarrying	1.3	7.5	3.7	2.1	5.9	6.5
manufacturing	10.1	14.3	10.3	4.3	11.3	8.9
electricity, gas & water supply	7.1	9.3	8.3	4.6	6.2	5.3
construction	12.8	10.3	10.8	5.3	6.7	5.7
<b>III. Services</b>	<b>10.9</b>	<b>10.1</b>	<b>10.3</b>	<b>10.0</b>	<b>10.5</b>	<b>9.7</b>
<b>Gross Domestic Product at factor cost</b>	<b>9.5</b>	<b>9.6</b>	<b>9.3</b>	<b>6.7</b>	<b>8.6</b>	<b>8.9</b>

Source: Central Statistics Office.

**Table 2.7(a):** Gross State Value Added (GSVA) from Agriculture and Allied Sector at Constant (2011-12) Prices

Sl. No.	State\UT	2011-12	2012-13	2013-14	2014-15	2015-16
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1	Andhra Pradesh	9475067	9857216	10920411	11246490	12191474
2	Arunachal Pradesh	455505	472794	491251	510808	527028
3	Assam	2848113	3314074	3209159	3226643	N/A
4	Bihar	6206655	6803952	5951631	5971458	5914496
5	Chhattisgarh	2685950	2850360	2927578	3010401	N/A
6	Goa	197421	188948	217740	230248	N/A
7	Gujarat	10736423	9255884	11713737	11645044	N/A
8	Haryana	6456789	6329621	6524719	6477388	N/A
9	Himachal Pradesh	1162627	1244328	1371209	1303842	N/A
10	Jammu & Kashmir	1308724	1227119	1323683	1142819	N/A
11	Jharkhand	2233546	2364954	2321286	2433756	2739271
12	Karnataka	7554870	7179808	7693311	7906116	7646030
13	Kerala	4837594	4906807	4597159	4539551	N/A
14	Madhya Pradesh	9107231	11341375	11371346	12101996	12939789
15	Maharashtra	14517809	14248305	16046955	13486265	N/A
16	Manipur	251623	276425	289684	284435	N/A
17	Meghalaya	282868	313890	326927	335619	362007
18	Mizoram	149468	145937	157013	164630	N/A
19	Nagaland	373363	392141	435269	444720	N/A
20	Odisha	3815451	4446373	4217370	4607846	4015555

(Contd.)

₹ in Lakh)

(Contd.)

Table 2.7(a) (Contd.)

Sl. No.	State\UT	2011-12	2012-13	2013-14	2014-15	2015-16
(1)	(2)	(3)	(4)	(5)	(6)	(7)
21	Punjab	7816825	7886831	8173474	7895027	NA
22	Rajasthan	11910650	12263755	12994576	12877970	NA
23	Sikkim	90137	93361	96740	98080	101009
24	Tamil Nadu	8773221	7819910	9168957	9965253	9817876
25	Telangana	5461488	5944282	6071339	5747139	5489424
26	Tripura	511201	550569	646611	705272	NA
27	Uttar Pradesh	18324305	19160893	19070840	18534936	19624905
28	Uttarakhand	1330208	1355631	1339653	1349161	1406001
29	West Bengal	NA	NA	NA	NA	NA
30	Andaman & Nicobar Islands	59737	61238	65853	68628	NA
31	Chandigarh	12615	12132	12363	12502	12335
32	Delhi	286065	222574	209142	235809	235357
33	Puducherry	75378	79263	80607	87123	96667

Source: Central Statistics Office

Note: Figures are as per the new series with base year 2011-12

2. Agriculture and Allied Sector includes Agriculture, Forestry, logging and Fishing.

N/A : Not Available

**Table 2.7(b):** Gross State Value Added (GSA) from Agriculture (including Crop and Livestock Sector) at Constant (2011-12) Prices

(₹ in Lakh)

Sl. No.	State \ UT	GSA from Agriculture			Total GSA			% Share of Agriculture in Total GSA	
		2014-15	2015-16	(3)	2014-15	2015-16	(4)	2014-15	2015-16
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1	Andhra Pradesh	9171552	9540934	41218775	45548366	22.25	20.95		
2	Arunachal Pradesh	346988	362044	1278225	1403669	27.15	25.79		
3	Assam	2541457	NA	15709574	NA	16.18	NA		
4	Bihar	5079695	4989881	29470193	31430570	17.24	15.88		
5	Chhattisgarh	2288691	NA	18365167	NA	12.46	NA		
6	Goa	114151	NA	3915213	NA	2.92	NA		
7	Gujarat	10611704	NA	70011276	NA	15.16	NA		
8	Haryana	6029557	NA	33576327	NA	17.96	NA		
9	Himachal Pradesh	901771	NA	8517357	NA	10.59	NA		
10	Jammu & Kashmir	965517	NA	8104101	NA	11.91	NA		
11	Jharkhand	2001457	2273414	16850273	19114873	11.88	11.89		
12	Karnataka	7044136	6774516	67266028	71215390	10.47	9.51		
13	Kerala	3750612	NA	39636128	NA	9.46	NA		
14	Madhya Pradesh	11223531	12050066	36875857	39760975	30.44	30.31		
15	Maharashtra	11811702	NA	134352853	NA	8.79	NA		
16	Manipur	219003	NA	1483303	NA	14.76	NA		
17	Meghalaya	273611	298345	1975452	2191521	13.85	13.61		
18	Mizoram	121420	NA	942637	NA	12.88	NA		
19	Nagaland	359826	NA	1395088	NA	25.79	NA		
20	Odisha	3760398	3139052	24791020	26238320	15.17	11.96		

(Contd.)



Table 2.7(b) (Contd.)

Sl. No.	State\UT	GSVA from Agriculture			Total GSVA			% Share of Agriculture in Total GSVA	
		2014-15	2015-16	(4)	2014-15	2015-16	(6)	2014-15	2015-16
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
21	Punjab	7151340	NA	29031671	NA	24.63	NA	24.63	NA
22	Rajasthan	11428936	NA	48760324	NA	23.44	NA	23.44	NA
23	Sikkim	93818	96752	1244767	1325841	7.54	7.30	7.54	7.30
24	Tamil Nadu	9173112	9015081	81902236	88227620	11.20	10.22	11.20	10.22
25	Telangana	5355641	5066901	39529976	42712903	13.55	11.86	13.55	11.86
26	Tripura	478577	NA	2462172	NA	19.44	NA	19.44	NA
27	Uttar Pradesh	17028682	18119391	79663082	85074534	21.38	21.30	21.38	21.30
28	Uttarakhand	1059202	1098268	13132481	14228284	8.07	7.72	8.07	7.72
29	West Bengal	NA	NA	NA	NA	NA	NA	NA	NA
30	Andaman & Nicobar Islands	47147	NA	485968	NA	9.70	NA	9.70	NA
31	Chandigarh	12026	11841	2368618	2610925	0.51	0.45	0.51	0.45
32	Delhi	234174	233755	35987581	39269177	0.65	0.60	0.65	0.60
33	Puducherry	60380	69272	1803817	1941608	3.35	3.57	3.35	3.57

Source: Central Statistics Office

Note: Figures are as per the new series with base year 2011-12

N/A : Not Available

Table 2.7(c): Gross State Domestic Product from Agriculture and Allied Sector at Constant (2004-05) Prices

State \ UT	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Andhra Pradesh	4023173	3961198	4088690	4821532	4735782	5059754	5001947
Arunachal Pradesh	122443	119383	131122	147115	136921	135085	153318
Assam	1365566	1400591	1427369	1467602	1496102	1599220	1644740
Bihar	2452979	2172883	2705570	2503527	2976649	2570808	3000165
Chhattisgarh	1015910	1145462	1196815	1308379	1178235	1278393	1553055
Goa	99811	123330	103611	105195	97536	98312	99949
Gujarat	3270600	4026200	3996700	4345600	4034000	4004200	4870896
Haryana	2212502	2172544	2479994	2478469	2657219	2618772	2755344
Himachal Pradesh	613297	651184	646707	704787	698252	620135	734608
Jammu & Kashmir	766153	767955	776071	781108	811001	807177	874620
Jharkhand	891672	924191	1040499	1098844	1280921	1201326	1254965
Karnataka	3118984	3428434	3330984	3743086	3827906	3983733	4627926
Kerala	2084375	2188216	2050767	2025514	2065657	2033328	1903856
Madhya Pradesh	3123830	3343877	3422388	3371464	3669792	3997137	4006773
Maharashtra	4492660	4906200	5594548	6364150	5380755	5435801	6574679
Manipur	127024	126644	126745	139434	152538	173267	141733
Meghalaya	152507	159973	162098	160612	167274	171050	174249
Mizoram	63025	64053	64227	73258	82198	89737	104474
Nagaland	202912	208092	210112	211403	227315	233878	253538
Odisha	1825698	1886717	1923241	2012888	2050447	2209191	2251182

(Contd.)

Table 2.7(c) (Contd.)

State\UT (1)	2004-05 (2)	2005-06 (3)	2006-07 (4)	2007-08 (5)	2008-09 (6)	2009-10 (7)	2010-11 (8)
Punjab	3161249	3191433	3282420	3407949	3477186	3466610	3523584
Rajasthan	3272993	3283043	3529677	3586702	3737060	3636497	4962131
Sikkim	32325	33660	33690	35009	36510	38056	39904
Tamil Nadu	2436179	2759171	3124432	2986746	2918274	3103600	3335347
Telangana	1611215	2017739	2007884	2334738	2475052	2166440	2585760
Tripura	223164	230328	248996	291763	308285	324317	361445
Uttar Pradesh	7757076	7938533	8130574	8416275	8736317	8701753	9111541
Uttarakhand	552040	534257	559139	570823	549924	602899	629297
West Bengal	4993552	5104529	5212864	5536465	5406310	5781448	5660323
A & N islands	29874	22900	30349	30546	32884	33228	34613
Chandigarh	7708	7908	7951	8000	8521	7405	6891
Delhi	109448	105697	106908	103907	103234	130696	141034
Puducherry	30482	29445	32404	31971	47069	39277	49341

Source: Central Statistics Office (CSO)

Note:- 1. Figures are as per the old series with base year 2004-05

2. Agriculture and Allied Sector includes Agriculture, Forestry, logging and Fishing.

**Table 2.8:** Share of Agriculture & Allied Sector in Gross State Value Added (GSVA) at Current Prices (2011-12 series)

(₹ in Lakh)

Sl. No.	State\UT	GSVA from Agriculture & Allied				% Share of Agriculture & Allied in Total GSVA				% Growth over previous year	
		2013-14	2014-15	2015-16	(3)	(4)	(5)	(6)	(7)	2015-16	2014-15
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)		
1	Andhra Pradesh	12963294	14680287	16408561	30.00	29.72	29.42	13.25	11.77		
2	Arunachal Pradesh	603726	686220	788274	42.29	42.91	41.49	13.66	14.87		
3	Assam	3692959	3855548	NA	22.00	20.65	NA	4.40	NA		
4	Bihar	7371939	7951890	8095024	24.04	21.98	20.32	7.87	1.80		
5	Chhattisgarh	3599597	3948847	NA	18.42	17.71	NA	9.70	NA		
6	Goa	327957	319733	NA	8.58	7.85	NA	-2.51	NA		
7	Gujarat	13040117	13540660	NA	18.08	16.97	NA	3.84	NA		
8	Haryana	7892504	7990228	NA	21.64	19.78	NA	1.24	NA		
9	Himachal Pradesh	1497802	1514981	NA	16.76	15.46	NA	1.15	NA		
10	Jammu & Kashmir	1803357	1856481	NA	19.48	18.99	NA	2.95	NA		
11	Jharkhand	2844215	3211065	3632150	16.49	16.36	16.43	12.90	13.11		
12	Karnataka	9665727	11199871	11693156	13.05	13.52	12.56	15.87	4.40		
13	Kerala	5501261	5921796	NA	12.82	12.26	NA	7.64	NA		
14	Madhya Pradesh	14883950	16624193	19770912	35.94	35.93	36.76	11.69	18.93		
15	Maharashtra	18586360	16475655	NA	12.79	10.44	NA	-11.36	NA		
16	Manipur	349942	383140	NA	22.07	21.52	NA	9.49	NA		
17	Meghalaya	344514	365875	413131	15.77	16.22	15.72	6.20	12.92		
18	Mizoram	189886	217010	NA	18.74	19.45	NA	14.28	NA		
19	Nagaland	556609	607897	NA	33.90	33.37	NA	9.21	NA		
20	Odisha	5358554	6290473	5569454	20.16	21.33	17.70	17.39	-11.46		

(Contd.)

Table 2.8 (Contd.)

Sl. No.	State\UT	GSVA from Agriculture & Allied				% Share of Agriculture & Allied in Total GSVA				% Growth over previous year			
		2013-14	2014-15	2015-16		2013-14	2014-15	2015-16		2014-15	2015-16		
(1)	(2)	(3)	(4)	(5)		(6)	(7)	(8)		(9)	(10)		
21	Punjab	9030656	9285716	NA		28.98	27.38	NA		2.82	NA		NA
22	Rajasthan	14418664	15044394	NA		27.58	25.87	NA		4.34	NA		NA
23	Sikkim	122419	137447	159217		9.19	9.37	9.92		12.28	15.84		0.61
24	Tamil Nadu	10867130	13064238	13143892		12.23	13.13	11.98		20.22	-1.14		NA
25	Telangana	7404689	7545922	7459975		17.25	15.67	13.98		1.91	NA		NA
26	Tripura	702979	799825	NA		28.07	27.47	NA		5.39	12.41		7.09
27	Uttar Pradesh	23813650	25097754	28212490		26.90	25.74	26.18		1.41	NA		NA
28	Uttarakhand	1579095	1601423	1715039		11.31	10.62	10.05		NA	NA		NA
29	West Bengal	NA	NA	NA		NA	13.35	NA		5.91	6.35		1.84
30	Andaman & Nicobar Islands	72389	76670	NA		14.02	0.59	0.58		8.40	14.35		
31	Chandigarh	14579	16233	17264		0.59	0.73	0.65					
32	Delhi	281919	305589	311220		0.74	5.34	5.54					
33	Puducherry	97627	113156	129392		5.09							

Source: Central Statistics Office

Note: Figures are as per the new series with base year 2011-12

2. Agriculture and Allied Sector includes Agriculture, Forestry, Logging and Fishing.

NA :- Not Available

# 3

## Outlays, Expenditure and Capital Formation in Agriculture

**Table 3.1 :** Share of Public Sector Outlays and Expenditure under Agriculture and Allied Activities

Five Year Plan / Annual Plan	Agriculture and Allied Activities			Total Plan Outlay		% share of Agriculture and Allied Activities		₹ Crores	
	Plan Outlays	Actual Expenditure	(2)	Plan Outlays	Actual Expenditure	(5)	Plan Outlays		Actual Expenditure
(1)									
Ninth Plan (1997-2002)	42462	37239 \$		859200	941041 \$		4.90	4.00	
Annual Plan (1997-98)	6974.0	5929.0		155905	129757		4.50	4.57	
Annual Plan (1998-99)	8687.0	7698.0		185907	151580		4.70	5.08	
Annual Plan (1999-2000)	8796.0	7365.0		192263	160608		4.60	4.59	
Annual Plan (2000-2001)	8281.0	7577.0		203359	185737		4.10	4.08	
Annual Plan (2001-2002)	9097	8248		228893	186315		4.00	4.43	
Tenth Plan (2002-07)	58933	60702 \$		1525639	1618460 \$		3.90	3.80	
Annual Plan (2002-2003)	9977	7655		247897	210203		4.00	3.64	
Annual Plan (2003-2004)	9940.0	8776.0		256042	224827		3.90	3.90	
Annual Plan (2004-2005)	11109.0	10963.0		287843	263665		3.90	4.16	
Annual Plan (2005-2006)	13840.0	12554.0		361239	247177		3.80	5.08	
Annual Plan (2006-2007)	16163.0	16573.0		441285	309912		3.70	5.35	
Eleventh Plan (2007-12)	136381	163105 \$		3644718	3676936 \$		3.70	4.40	
Annual Plan (2007-2008)	17971.0	20083.0		558765	475012		3.20	4.23	
Annual Plan (2008-2009)	27270	27117		684288	628161		4.00	4.32	
Annual Plan (2009-2010)	28772	29498		794616	717035		3.60	4.11	
Annual Plan (2010-2011)	36983	40370		929725	826268		4.00	4.89	
Annual Plan (2011-2012)	46255	46037		1097204	1030461		4.20	4.47	

(Contd.)

Table: 3.1 (Contd.)

Five Year Plan / Annual Plan	Agriculture and Allied Activities		Total Plan Outlay		% share of Agriculture and Allied Activities	
	Plan Outlays (2)	Actual Expenditure (3)	Plan Outlays (4)	Actual Expenditure (5)	Plan Outlays (6)	Actual Expenditure (7)
(1)						
<b>Twelfth Plan (2012-17)*</b>	<b>363273</b>	<b>NA</b>	<b>7669807</b>	<b>NA</b>	<b>4.70</b>	<b>NA</b>
Annual Plan (2012-2013)	56669	52521	1251715	971951	4.53	5.40
Annual Plan (2013-2014)	64098	61356(RE)	1370936	1281022(RE)	4.68	4.79
Annual Plan (2014-15)##	11531	9794.88	484532.45	420881.63	2.38	2.39
Annual Plan (2015-16)##	11657	10942(RE)	578382	582707(RE)	2.02	1.88
Annual Plan (2016-17)##	19394	NA	706248	NA	NA	NA

Source: Economic Survey and Budget Documents, Ministry of Finance

Notes:

1. Figures include Outlays and Expenditure by Centre, States and Union Territories.

2. Actual Central Expenditure figures are including IE/BR from 2009-10 onwards

\* 12th Plan projections (At current prices).

## For Centre only, as figures for States & UTs are not yet available.

NA - Not Available, RE - Revised Estimates

\$ Indicates 9th, 10th and 11th Plan Realization.



**Table 3.2:** Public Sector Outlays/ Expenditure

Sl. No.	Sector	(₹ Crore)											
		9th Plan	10th Plan	11th Plan	2008-09		2009-10		2010-11		2011-12		
(1)	(2)	Outlays	Outlays	Outlays	BE	AE	BE	AE	BE	AE	BE	AE	(13)
1	Agriculture and Allied Activities	42462	58933	136381	27270	27117	28772	29498	36983	40370	46255	46037	
2	Rural Development	73439	121928	301069	39268	59080	64748	58615	70797	67008	75821	37599	
3	Special Area Programmes	3649	20879	26329	8372	6999	8295	7875	8860	10093	12413	0	
4	Irrigation & Flood Control	55598	103315	210326	48094	41164	50489	42853	54948	46049	64001	506	
5	Energy	215545	403927	854123	127496	39980	154012	148372	195333	150251	208436	121855	
6	Industry & Minerals	69972	58939	153600	34919	13343	45208	39041	52228	45056	56400	36235	
7	Transport	121324	225977	572443	121116	67849	135543	127356	145328	139542	171344	107532	
8	Communications	47616	98968	95380	21937	981	16731	14749	18529	10336	20256	6586	
9	Science, Technology & Environment	25529	30424	87933	13278	11860	15647	13267	18644	15949	22160	11735	
10	General Economic Services	15038	38630	62523	17970	11108	16332	11482	20097	20496	35179	19697	
11	Social Services	182005	347391	1102327	216548	190813	247331	215955	295896	272031	356713	145352	
12	General Services	11940	16328	42283	8020	6999	11508	7972	12082	9088	28226	5305	
<b>Total</b>		<b>859201</b>	<b>1525639</b>	<b>3644717</b>	<b>684288</b>	<b>477293</b>	<b>794616</b>	<b>717035</b>	<b>929725</b>	<b>826269</b>	<b>1097204</b>	<b>538439</b>	

(Contd.)

Table: 3.2 (Contd.)

Sl. No.	Sector	12th Plan* Outlays	2012-13		2013-14		2014-15		2015-16		2016-17	
			BE	AE	BE	RE	BE(##)	AE(##)	BE(##)	RE(##)	BE(##)	RE(##)
(1)	(2)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(23)
1	Agriculture and Allied Activities	363273	56669	52521	64098	61356	11531	9795	11657	10942	19394	19394
2	Rural Development	457464	72248	66194	77307	73255	3061	1222	3110	3005	2623	2623
3	Special Area Programmes	80370	15342	11289	18392	18095	0	0	0	0	0	0
4	Irrigation & Flood Control	422012	72169	54394	78211	71253	1797	910	772	1105	1024	1024
5	Energy	1438466	208711	179438	221095	238019	166275	170812	167342	171519	205877	205877
6	Industry & Minerals	377302	71491	46786	64602	51428	40209	44006	43113	45512	49371	49371
7	Transport	1204172	183015	145002	196628	175543	116202	100520	193417	178502	229874	229874
8	Communications	80984	15411	6289	12380	9333	13009	6437	12032	13451	13806	13806
9	Science, Technology & Environment	167350	24220	18304	26874	22664	18792	14382	19023	17965	20926	20926
10	General Economic Services	305612	51525	37079	63022	47660	26318	16767	20333	38597	46686	46686
11	Social Services	2664843	419267	340266	476980	443357	79433	50867	81024	83555	100420	100420
12	General Services	107959	66040	14390	71347	69060	7906	5164	26558	18554	16247	16247
	<b>Total</b>	<b>7669807</b>	<b>1256108</b>	<b>971951</b>	<b>1370936</b>	<b>1281022</b>	<b>484532</b>	<b>420882</b>	<b>578381.67</b>	<b>582707</b>	<b>706248</b>	<b>706248</b>

Source: Economic Survey and Budget Documents, Ministry of Finance.

## For Centre only, as figures for States & UTs are not available. \* 12th Plan Projections.

Figures include Outlays and Expenditure by Centre, States and Union Territories.

Table 3.3 : Disaggregated Public Sector Outlays / Expenditure under Agriculture and allied Activities

Sl. No.	Sector	2003-04		2004-05		2005-06		2006-07		2007-08 (##)		2008-09		2009-10 (##)		(₹ Crore)
		BE	AE	BE	AE	BE	AE	BE	RE*	BE	RE*	BE	RE*	BE	RE*	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	
1	Crop Husbandry	3726	3329	4240	3938	5624	5225	6196	4012	4657	4921	5902	5840	6165	6545	
2	Horticulture	0	82	118	185	189	196	335	NA	NA	NA	NA	NA	NA	NA	
3	Soil & Water Conservation	893	650	976	884	941	839	1072	21	21	21	11	13	14	14	
4	Animal Husbandry	545	457	661	643	909	821	1071	440	540	467	620	601	627	507	
5	Dairy Development	93	73	116	110	154	155	187	67	80	101	89	89	89	86	
6	Fisheries	297	241	375	350	473	417	660	175	284	171	291	209	411	341	
7	Forestry & Wild Life	2070	1831	2048	1779	2296	2536	2769	511	627	694	751	776	849	929	
8	Plantation	245	172	301	276	345	296	378	310	274	262	313	316	305	390	
9	Food Storage & Warehousing	186	89	126	138	233	233	332	234	333	269	225	223	295	235	
10	Agriculture, Research & Edn.	1020	1018	1257	1163	1434	1374	1768	1287	1458	1291	1584	1584	NA	1707	
11	Agricultural Financial Inst.	50	60	82	33	66	60	124	5	NA	NA	NA	NA	NA	NA	
12	Cooperation	583	453	494	1016	618	805	829	162	124	142	137	137	137	113	
13	Other Agricultural Programmes	232	321	315	447	557	481	442	168	160	205	152	181	153	147	
Total		9940	8776	11109	10962	13840	13438	16163	7392	8558	8544	10075	9969	9045	11014	

(Contd.)

Table: 3.3 (Contd.)

Sl. No.	Sector	2010-11(##)		2011-12(##)		2012-13(##)		2013-14(##)		2014-15(##)		2015-16(##)		2016-17(##)	
		BE	AE	BE	AE	BE	AE	BE	AE	BE	AE	BE	AE	BE	AE
(1)	(2)		(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	
1	Crop Husbandry	7084	9813	7891	8066	9034	8660	9876	9185	4432	3658	4339	4794	5803	
2	Horticulture	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
3	Soil & Water Conservation	16	14	15	15	16	15	19	16	18	16	18	17	NA	
4	Animal Husbandry	855	715	950	724	1063	888	975	925	172	151	130	156	118	
5	Dairy Development	76	85	223	196	353	524	525	502	411	320	482	488	454	
6	Fisheries	242	291	270	304	299	297	317	316	423	353	411	392	405	
7	Forestry & Wild Life	796	929	786	914	907	806	1041	884	379	348	275	284	331	
8	Plantation	331	474	415	595	446	501	458	468	370	446	360	360	181	
9	Food Storage & Warehousing	498	502	644	703	787	764	801	1222	727	659	1090	639	750	
10	Agriculture, Research & Edn.	2070	2522	2492	2573	2898	2461	3113	2451	3354	2457	3321	2700	3330	
11	Agricultural Financial Inst.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
12	Cooperation	82	103	222	124	125	104	121	112	125	110	112	125	NA	
13	Other Agricultural Programmes	258	268	836	1980	1764	2008	1535	1707	1120	1277	1120	986	8022	
<b>Total</b>		<b>12308</b>	<b>15716</b>	<b>14744</b>	<b>16194</b>	<b>17692</b>	<b>17030</b>	<b>18781</b>	<b>17788</b>	<b>11531</b>	<b>9795</b>	<b>11657</b>	<b>10942</b>	<b>19394</b>	

Source : 1. Budget Documents, Ministry of Finance.

2. Plan Documents, Planning Commission. For State Outlays, State Plan Division, Planning Commission.

Notes : Totals may not tally due to rounding off of the figures. BE - Budget Estimates. RE - Revised Estimates

##: For Centre only, as figures for States &amp; UTs are not available in sub-head wise.

\* As sub-head Actual Expenditure figures are not available before 2009-10, Revised Estimates figures have been taken into account

**Table 3.4(a):** Budget Estimate, Revised Estimate and Actual Expenditure  
(Department of Agriculture, Cooperation & Farmers Welfare)

(₹ Crore)

Year	Budget Estimate	Revised Estimate	Actual Expenditure
(1)	(2)	(3)	(4)
1991-92	1041.35	1016.93	957.86
1992-93	1050.00	1273.16	1214.88
1993-94	1330.00	1320.05	1183.50
1994-95	1405.00	1458.84	1279.43
1995-96	1490.00	1325.39	1246.42
1996-97	1471.25	1377.91	1378.61
1997-98	1431.00	1266.28	1222.80
1998-99	1956.00	1378.41	1358.89
1999-00	1956.00	1492.00	1471.90
2000-01	1965.00	1692.00	1666.04
2001-02	1985.00	1985.00	1792.92
2002-03	2167.00	1667.00	1676.78
2003-04	2167.00	2120.00	2050.73
2004-05	2650.00	2945.00	2657.42
2005-06	4179.32	3890.00	3798.69
2006-07	4800.00	4860.00	4860.00
2007-08	5560.00	6927.94	7058.50
2008-09	10105.67	9865.68	9530.30
2009-10	11307.07	10965.23	10870.15
2010-11	15042.00	17254.00	17052.59
2011-12	17122.87	16515.05	16354.70
2012-13	20208.00	17867.32	17730.72
2013-14	21609.00	19000.00	18721.70
2014-15	22309.00	19530.00	19191.61
2015-16	16646.35	15500.00	15028.00
2016-17	20400.00	NA	16347.33*

Source : Department of Agriculture, Cooperation &amp; Farmers Welfare.

\* As on 27.12.2016

NA: Not Available

**Table 3.4(b):** Budget Estimate, Revised Estimate and Actual Expenditure  
(Department of Animal Husbandry, Dairying and Fisheries)

(₹ Crore)

Year	Budget Estimate	Revised Estimate	Actual Expenditure
(1)	(2)	(3)	(4)
1997-98	319.15	224.96	209.81
1998-99	381.90	210.60	170.24
1999-00	381.90	225.00	207.30
2000-01	300.00	230.00	213.28
2001-02	300.00	240.00	239.68
2002-03	300.00	240.00	238.90
2003-04	300.00	275.00	271.76
2004-05	500.00	575.00	566.22
2005-06	669.08	599.00	589.37
2006-07	777.00	750.00	681.74
2007-08	910.00	810.00	784.09
2008-09	1000.00	940.00	865.27
2009-10	1100.00	930.00	873.38
2010-11	1300.00	1257.00	1104.68
2011-12	1600.00	1356.52	1243.12
2012-13	1910.00	1800.00	1736.71
2013-14	2025.00	1800.00	1748.66
2014-15	2174.00	1800.00	1738.12
2015-16	1491.14	1491.14	1410.34
2016-17	1600.00	NA	1170.30*

Source : Department of Animal Husbandry, Dairying and Fisheries

\* As on 26.10.2016

NA: Not Available

**Table 3.4(c):** Budget Estimate, Revised Estimate and Actual Expenditure  
(Department of Agriculture, Research and Education)

(₹ Crore)

Year	Budget Estimate	Revised Estimate	Actual Expenditure
(1)	(2)	(3)	(4)
1991-92	190.00	180.51	173.07
1992-93	200.00	184.00	175.94
1993-94	250.00	250.00	227.91
1994-95	275.00	274.99	274.76
1995-96	310.00	290.00	289.96
1996-97	244.08	310.00	308.46
1997-98	331.17	331.17	331.14
1998-99	531.17	400.00	421.94
1999-00	573.50	504.00	503.78
2000-01	629.55	550.00	774.50
2001-02	684.00	550.00	683.69
2002-03	775.00	725.00	698.71
2003-04	775.00	775.00	701.33
2004-05	1000.00	900.00	881.81
2005-06	1150.00	1070.00	1069.58
2006-07	1350.00	1430.00	1428.22
2007-08	1620.00	1434.00	1402.73
2008-09	1760.00	1760.00	1768.71
2009-10	1760.00	1821.32	1821.26
2010-11	2300.00	2307.50	2529.29
2011-12	2800.00	2858.54	2831.60
2012-13	3220.00	2520.00	2519.09
2013-14	3415.00	2600.00	2599.97
2014-15	3715.00	2500.00	2456.82
2015-16	3691.00	3000.00	2988.61
2016-17	3700.00	NA	2698.16*

Source : Department of Agricultural Research and Education

\* As on 30.11.2016

NA: Not Available

**Table 3.5(a) : Scheme-wise Budget Estimate and Expenditure**  
(Department of Agriculture, Cooperation & Farmers Welfare)

Period	Centrally Sponsored Schemes	Central Sector Schemes	Externally Aided Projects	Additional Central Assistance	Grand Total
(1)	(2)	(3)	(4)	(5)	(6)
<b>IX Plan Outlays</b>	<b>5533.65</b>	<b>3343.17</b>	<b>277.00</b>		<b>9153.82</b>
<b>IX Plan Expenditure</b>	<b>4024.67</b>	<b>3357.17</b>	<b>130.71</b>		<b>7512.55</b>
<b>X Plan Outlays</b>	<b>7236.73</b>	<b>5694.00</b>	<b>264.27</b>		<b>13195.00</b>
<b>X Plan Expenditure</b>	<b>9066.54</b>	<b>5829.95</b>	<b>127.17</b>		<b>15043.62</b>
<b>XI Plan Outlays</b>					<b>66577.00</b>
<b>2007-08</b>					
BE	1523.20	3996.80	0.00	40.00	5560.00
RE	2090.18	3797.76	0.00	1040.00	6927.94
Expenditure	2041.55	3730.06	0.00	1286.89	7058.50
<b>2008-09</b>					
BE	2126.00	4774.00	0.00	3205.67	10105.67
RE	2370.46	4563.52	0.00	2931.70	9865.68
Expenditure	2278.89	4325.69	0.00	2925.72	9530.30
<b>2009-10</b>					
BE	2226.00	4974.00	0.00	4107.07	11307.07
RE	2767.47	4450.69	0.00	3747.07	10965.23
Expenditure	2753.44	4320.38	0.00	3796.33	10870.15
<b>2010-11</b>					
BE	2623.02	5656.98	0.00	6762.00	15042.00
RE	4776.69	5715.20	0.11	6762.00	17254.00
Expenditure	4559.04	5733.56	0.06	6759.94	17052.59
<b>2011-12</b>					
BE	2947.05	6314.90	0.05	7860.87	17122.87
RE	2635.75	6018.28	0.15	7860.87	16515.05
Expenditure	2599.62	5910.96	0.03	7844.09	16354.70
XI Plan Expenditure	14232.54	24020.64	0.09	22612.97	60866.24

(Contd.)



Table: 3.5(a) (Contd.)

Period	Centrally Sponsored Schemes	Central Sector Schemes	Externally Aided Projects	Additional Central Assistance	Grand Total
(1)	(2)	(3)	(4)	(5)	(6)
<b>XII Plan Outlays</b>					134746.00
<b>2012-13</b>					
BE	7488.00	3503.00	0.00	9217.00	20208.00
RE	6314.42	3152.90	0.00	8400.00	17867.32
Expenditure	6225.01	3105.71	0.00	8400.00	17730.72
<b>2013-14</b>					
BE	7365.00	4290.00	0.00	9954.00	21609.00
RE	6982.23	4928.77	0.00	7089.00	19000.00
Expenditure	6870.64	4798.36	0.00	7052.50	18721.50
<b>2014-15</b>					
BE	6509.00	5846.00	0.00	9954.00	22309.00
RE	5730.31	5355.69	0.00	8444.00	19530.00
Expenditure	5740.36	5008.91	0.00	8443.21	19192.48
<b>2015-16</b>					
BE	6300.50	5845.85	0.00	4500.00	16646.35
RE	5203.20	5896.80	0.00	3900.00	15000.00
Expenditure	8377.33	2710.67	0.00	3940.00	15028.00
<b>2016-17</b>					
BE	7651.00	12749.00	0.00	0.00	20400.00
RE	NA	NA	NA	NA	NA
Expenditure	NA	NA	NA	NA	NA

Source : Department of Agriculture, Cooperation &amp; Farmers Welfare

NA: Not Available

**Table 3.5(b) : Scheme-wise Budget Estimate and Expenditure**  
(Department of Animal Husbandry, Dairying and Fisheries)

Period	Centrally Sponsored Schemes	Central Sector Schemes	Externally Aided Projects	Grand Total
(1)	(2)	(3)	(4)	(5)
<b>IX Plan Outlays</b>	<b>1738.62</b>	<b>598.35</b>	<b>8.67</b>	<b>2345.64</b>
<b>IX Plan Expenditure</b>	<b>691.52</b>	<b>340.48</b>	<b>8.31</b>	<b>1040.31</b>
<b>X Plan Outlays</b>	<b>1721.54</b>	<b>837.53</b>	<b>10.00</b>	<b>2569.07</b>
<b>X Plan Expenditure</b>	<b>1705.93</b>	<b>642.06</b>	<b>0.00</b>	<b>2347.99</b>
<b>XI Plan Outlays</b>	<b>3715.80</b>	<b>4338.20</b>	<b>120.00</b>	<b>8174.00</b>
<b>2007-08</b>				
BE	313.50	506.50	90.00	910.00
RE	334.72	438.28	37.00	810.00
Expenditure	348.10	400.65	35.34	784.09
<b>2008-09</b>				
BE	363.00	597.00	40.00	1000.00
RE	400.41	505.39	34.20	940.00
Expenditure	403.20	455.64	6.43	865.27
<b>2009-10</b>				
BE	574.39	464.50	61.11	1100.00
RE	493.06	407.78	29.16	930.00
Expenditure	487.62	373.49	12.27	873.38
<b>2010-11</b>				
BE	771.06	472.94	56.00	1300.00
RE	801.96	444.51	10.53	1257.00
Expenditure	722.61	373.18	8.89	1104.68
<b>2011-12</b>				
BE	972.01	872.96	819.55	0.00
RE	555.79	476.84	423.56	1456.19
Expenditure	72.20	6.72	0.00	78.92

(Contd.)

Table: 3.5(b) (Contd.)

Period	Centrally Sponsored Schemes	Central Sector Schemes	Externally Aided Projects	Grand Total
(1)	(2)	(3)	(4)	(5)
XI Plan Expenditure	2033.73	1609.68	62.93	3706.34
XII Plan Outlays	7434.00	6745.00	0.00	14179.00
<b>2012-13</b>				
BE	1008.43	829.37	72.20	1910.00
RE	839.48	960.48	0.04	1800.00
Expenditure	822.68	914.18	0.02	1736.88
<b>2013-14</b>				
BE	1052.98	972.02	0.00	2025.00
RE	962.25	837.75	0.00	1800.00
Expenditure	926.11	823.47	0.00	1749.58
<b>2014-15</b>				
BE	1040.99	1133.01	0.00	2174.00
RE	898.65	901.35	0.00	1800.00
Expenditure	907.04	824.13	0.00	1731.17
<b>2015-16</b>				
BE	408.00	1083.14	0.00	1491.14
RE	403.57	1087.57	0.00	1491.14
Expenditure	397.23	1013.11	0.00	1410.34
<b>2016-17</b>				
BE	602.00	998.00	0.00	1600.00
RE	NA	NA	0.00	NA
Expenditure	NA	NA	0.00	NA

Source : Department of Animal Husbandry, Dairying and Fisheries.

NA: Not Available

**Table 3.5(c) :** Budget Estimate, Revised Estimate and Actual Expenditure  
(Department of Agricultural Research and Education)

(₹ Crore)

Period	Central Sector Schemes	Externally Aided Project	Grand Total
(1)	(2)	(3)	(4)
<b>IX Plan Outlay</b>	<b>2335.17</b>	<b>0.00</b>	<b>2335.17</b>
<b>IX Plan Expenditure</b>	<b>2715.00</b>	<b>0.00</b>	<b>2715.00</b>
<b>X Plan Outlay</b>	<b>4452.49</b>	<b>447.51</b>	<b>4900.00</b>
<b>X Plan Expenditure</b>	<b>4332.14</b>	<b>447.51</b>	<b>4779.65</b>
<b>XI Plan Outlay</b>			
<b>2007-08</b>			
BE	1335.00	285.00	1620.00
RE	1348.30	85.70	1434.00
Expenditure	1317.03	85.70	1402.73
<b>2008-09</b>			
BE	1503.00	257.00	1760.00
RE	1503.00	257.00	1760.00
Expenditure	1511.71	257.00	1768.71
<b>2009-10</b>			
BE	1503.00	257.00	1760.00
RE	1544.09	277.23	1821.32
Expenditure	1544.03	277.23	1821.26
<b>2010-11</b>			
BE	2006.03	293.97	2300.00
RE	2037.50	270.00	2307.50
Expenditure	2259.29	270.00	2529.29
<b>2011-12</b>			
BE	2624.00	176.00	2800.00
RE	2682.54	176.00	2858.54
Expenditure	2655.60	176.00	2831.60
<b>XI Plan Expenditure</b>	<b>8049.50</b>	<b>1065.93</b>	<b>9115.43</b>
<b>XII Plan Outlay</b>			
<b>2012-13</b>			
BE	3069.00	131.00	3200.00
RE	2370.00	150.00	2520.00
Expenditure	2369.09	150.00	2519.09
<b>2013-14</b>			
BE	3015.00	400.00	3415.00

(Contd.)

Table: 3.5(c) (Contd.)

Period	Central Sector Schemes	Externally Aided Project	Grand Total
(1)	(2)	(3)	(4)
RE	2365.00	235.00	2600.00
Expenditure	2364.97	235.00	2599.97
<b>2014-15</b>			
BE	3606.00	109.00	3715.00
RE	2405.35	94.65	2500.00
Expenditure	2362.17	94.65	2456.82
<b>2015-16</b>			
BE	3691.00	N.A.	3691.00
RE	3000.00	N.A.	3000.00
Expenditure	2988.61	N.A.	2988.61
<b>2016-17</b>			
BE	3700.00	N.A.	3700.00
RE	N.A.	N.A.	N.A.
Expenditure	2698.16*	N.A.	2698.16*

Source: Department of Agricultural Research and Education

\*As on 30.11.2016

NA: Not Available

**Table 3.6(a)** Gross Capital Formation in Agriculture & Allied Sector (at current prices, 2004-05 series)

Year	GCF in Agriculture & Allied sector			GCF of Economy (by industry of use)			Share of Agriculture & Allied sector		
	Public Sector		Total	Public Sector		Total	Public Sector		Total
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
(1)									
2004-05	16187	59909	76096	240580	770598	1011178	6.7	7.8	7.5
2005-06	20739	69204	89943	293350	931331	1224681	7.1	7.4	7.3
2006-07	25606	75496	101102	356556	1134319	1490875	7.2	6.7	6.8
2007-08	27638	95679	123317	441923	1401285	1843208	6.3	6.8	6.7
2008-09	26692	133655	160347	531730	1396160	1927890	5.0	9.6	8.3
2009-10	33201	151325	184526	592788	1642155	2234943	5.6	9.2	8.3
2010-11	31968	165396	197364	656448	2024131	2680579	4.9	8.2	7.4

Source : Central Statistics Office (CSO)

(₹ Crore)

**Table 3.6(b)** Gross Capital Formation in Agriculture & Allied Sector (at current prices, 2011-12 series)

Year	GCF in Agriculture & Allied sector			GCF of Economy (by industry of use)			Share of Agriculture & Allied sector		
	Public Sector		Total	Public Sector		Total	Public Sector		Total
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
2011-12*	35715	238716	274431	658442	2546028	3204470	5.4	9.4	8.6
2012-13*	39773	234952	274725	717203	2816569	3533772	5.5	8.3	7.8
2013-14*	39042	283681	322723	803346	2940947	3744293	4.9	9.6	8.6
2014-15#	45997	268642	314639	923941	3140982	4064923	5.0	8.6	7.7

Source : Central Statistics Office (CSO)  
GCF of economy (Public Sector) is the sum of GCF of Public Non-financial corporations, Public Financial Corporations and General Government  
GCF of economy (Private Sector) is the sum of GCF of Private Non-financial corporations, Private Financial Corporations and Households  
# : 1st Revised Estimates (New Series)  
\* : 2nd Revised Estimates (New Series)

**Table 3.6(c)** Gross Capital Formation in Agriculture & Allied Sector (at constant 2004-05 prices)

Year	GCF in Agriculture & Allied sector			GCF of Economy (by industry of use)			Share of Agriculture & Allied sector in Total GCF(%)		
	Public Sector		Total	Public Sector		Total	Public Sector		Total
	(2)	(3)		(5)	(6)		(8)	(9)	
(1)			(4)			(7)			(10)
2004-05	16187	59909	76096	240580	770598	1011178	6.7	7.8	7.5
2005-06	19940	66664	86604	281995	901308	1183303	7.1	7.4	7.3
2006-07	22987	69070	92057	324020	1040801	1364821	7.1	6.6	6.7
2007-08	23257	82484	105741	382431	1223744	1606175	6.1	6.7	6.6
2008-09	20572	106555	127127	429285	1136948	1566233	4.8	9.4	8.1
2009-10	22693	110469	133162	449686	1287840	1737526	5.0	8.6	7.7
2010-11	19854	112880	132734	467224	1509522	1976746	4.2	7.5	6.7

Source : Central Statistics Office(CSO)

(₹ Crore)



**Table 3.6(d)** Gross Capital Formation in Agriculture & Allied Sector (at constant 2011-12 prices)

Year	(₹ Crore)									
	GCF in Agriculture & Allied sector			GCF of Economy (by industry of use)			Share of Agriculture & Allied sector in Total GCF(%)			Total
	Public Sector	Pvt. Sector	Total	Public Sector	Pvt. Sector	Total	Public Sector	Pvt. Sector	Total	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
2011-12*	35715	238716	274431	658442	2546028	3204470	5.4	9.4	8.6	
2012-13*	36078	217229	253307	675927	2666704	3342631	5.3	8.1	7.6	
2013-14*	32472	244692	277164	726734	2685842	3412576	4.5	9.1	8.1	
2014-15#	36061	220434	256495	812048	2791209	3603257	4.4	7.9	7.1	

Source : Central Statistics Office (CSO)  
# : 1st Revised Estimates (New Series)  
\* : 2nd Revised Estimates (New Series)

**Table 3.7(a)** Public and Private Investment in Agriculture and Allied Sectors in Total GDP at Market Prices (2004-05 prices)

Year	₹ Crore)					
	Public Investment	Private Investment	Total	GDP at market price	Share (%) in Total	
(1)	(2)	(3)	(4)	(5)	Public	Private
2004-05	16187	59909	76096	3242209	0.5	1.8
2005-06	19940	66664	86604	3543244	0.6	1.9
2006-07	22987	69070	92057	3871489	0.6	1.8
2007-08	23257	82484	105741	4250947	0.5	1.9
2008-09	20572	106555	127127	4416350	0.5	2.4
2009-10	22693	110469	133162	4790847	0.5	2.3
2010-11	19854	112880	132734	5282386	0.4	2.1

Source : Central Statistics Office(CSO)

**Table 3.7(b)** Public and Private Investment in Agriculture and Allied Sectors in Total GDP at Market Prices (2011-12 prices)

Year	Public investment	Private Investment	Total	GDP at market price	Share (%) in Total		Total
					Public	Private	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
2011-12*	35715	238716	274431	8736039	0.4	2.7	3.1
2012-13*	36078	217229	253307	9226879	0.4	2.4	2.7
2013-14*	32472	244692	277164	9839434	0.3	2.5	2.8
2014-15#	36061	220434	256495	10552151	0.3	2.1	2.4

*Source* : Central Statistics Office (CSO)

# : 1st Revised Estimates (New Series)

\* : 2nd Revised Estimates (New Series)

(₹ Crore)

**Table 3.8(a)** Share (%) of Gross Capital Formation (GCF) to Gross Domestic Product (GDP) in Agriculture & Allied Sectors

Year	At 2004-05 Prices			At Current Prices		
	Public	Private	Total	Public	Private	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)
2004-05	2.9	10.6	13.5	2.9	10.6	13.5
2005-06	3.4	11.2	14.6	3.3	10.9	14.1
2006-07	3.7	11.2	14.9	3.5	10.4	14.0
2007-08	3.5	12.6	16.1	3.3	11.4	14.7
2008-09	3.1	16.3	19.4	2.8	14.2	17.0
2009-10	3.4	16.7	20.1	3.1	14.0	17.0
2010-11	2.8	15.7	18.5	2.4	12.5	15.0

Source : Central Statistics Office(CSO)

**Table 3.8(b)** Share (%) of Gross Capital Formation (GCF) to Gross Value Added (GVA) in Agriculture & Allied Sectors

Year	At 2011-12 Prices			At Current Prices		
	Public (2)	Private (3)	Total (4)	Public (5)	Private (6)	Total (7)
(1)						
2011-12*	2.4	15.9	18.3	2.4	15.9	18.3
2012-13*	2.4	14.5	16.9	2.4	14.0	16.3
2013-14*	2.2	16.3	18.5	2.1	14.9	17.0
2014-15#	2.4	14.7	17.1	2.3	13.5	15.8

Source: Central Statistics Office (CSO)

# : 1st Revised Estimates (New Series)

\* : 2nd Revised Estimates (New Series)

## 4 (A)

### Area, Production and Yield of Principal Crops

4(A) Area, Production, Yield in Major Producing States alongwith coverage under Irrigation

**Table 4.1(a):** Target and Achievement of Production of Major Crops during Tenth Five Year Plan

Crop	2002-03		2003-04		2004-05		2005-06		2006-07		(Million Tonnes)	
	Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Rice	93.00	71.82	93.00	88.53	93.50	83.13	87.80	91.79	92.80	93.35	460.10	428.62
Wheat	78.00	65.76	78.00	72.15	79.50	68.64	75.53	69.35	75.53	75.81	386.56	351.71
Coarse Cereals	33.00	26.07	34.00	37.60	36.80	33.46	36.52	34.06	36.52	33.92	176.84	165.11
Pulses	16.00	11.13	15.00	14.91	15.30	13.13	15.15	13.39	15.15	14.20	76.60	66.76
Foodgrains	220.00	174.77	220.00	213.19	225.10	198.36	215.00	208.60	220.00	217.28	1100.10	1012.20
Oilseeds	27.00	14.84	24.70	25.19	26.20	24.35	26.58	27.98	29.40	24.29	133.88	116.65
Sugarcane	320.00	287.38	320.00	233.86	270.00	237.09	237.50	281.17	270.00	355.52	1417.50	1395.02
Cotton #	15.00	8.62	15.00	13.73	15.00	16.43	16.50	18.50	18.50	22.63	80.00	79.91
Jute & Mesta@	12.00	11.28	12.00	11.17	11.80	10.27	11.28	10.84	11.28	11.27	58.36	54.83

Source: Directorate of Economics & Statistics, DAC&FW

# Million Bales of 170 kg. each.

@ Million Bales of 180 kg. each.

**Table 4.1(b):** Target and Achievement of Production of Major Crops during Eleventh and Twelfth Five Year Plans

Crop	2007-08		2008-09		2009-10		2010-11		2011-12		Xlth Plan		2012-13		2013-14		2014-15		2015-16*	
	Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)
Rice	93.00	96.69	97.00	99.18	100.50	89.09	102.00	95.98	102.00	105.30	494.50	486.24	104.00	105.24	105.00	106.65	106.00	105.48	106.10	104.32
Wheat	75.50	78.57	78.50	80.68	79.00	80.80	82.00	86.87	84.00	94.88	399.00	421.80	88.00	93.51	92.50	95.85	94.00	86.53	94.75	93.50
Coarse Cereals	37.50	40.76	42.00	40.03	43.10	33.55	44.00	43.68	42.00	42.01	208.60	200.03	44.00	40.04	42.50	43.29	41.50	42.86	43.20	37.94
Pulses	15.50	14.76	15.50	14.57	16.50	14.66	16.50	18.24	17.00	17.09	81.00	79.32	18.24	18.34	19.00	19.25	19.50	17.15	20.05	16.47
Foodgrains	221.50	230.78	233.00	234.47	239.10	218.11	244.50	244.78	245.00	259.29	1183.10	1187.43	254.24	257.13	259.00	265.04	261.00	252.02	264.10	252.22
Oilseeds	30.00	29.76	31.75	27.72	31.60	24.88	33.20	32.48	33.60	30.01	160.15	144.85	33.50	30.94	31.00	32.75	33.00	27.51	33.00	25.30
Sugarcane	310.00	348.19	340.00	285.03	340.00	292.30	315.00	342.38	350.00	361.04	1655.00	1628.94	352.00	341.20	340.00	352.14	345.00	362.33	355.00	352.16
Cotton #	22.00	25.88	26.00	22.28	26.00	24.02	26.00	33.00	34.00	35.20	134.00	140.38	35.00	34.22	35.00	35.90	35.00	34.80	35.15	30.14
Jute & Mesta@	11.00	11.21	11.00	10.37	11.20	11.82	11.50	10.62	12.30	11.40	57.00	55.42	12.00	10.93	12.00	11.69	11.20	11.13	11.70	10.46

Source: Directorate of Economics &amp; Statistics, DAC&amp;FW

\* 4th Advance Estimates.

# Million Bales of 170 kg. each.

@ Million Bales of 180 kg. each.



**Table 4.2:** Three Largest Producing States of Important Crops during 2015-16\*

Production : Million Tonnes			
Group of Crops	Crops	States	Production
(1)	(2)	(3)	(4)
<b>I. Foodgrains</b>	Rice	West Bengal	15.75
		Uttar Pradesh	12.51
		Punjab	11.82
		<b>All - India</b>	<b>104.32</b>
	Wheat	Uttar Pradesh	26.87
		Madhya Pradesh	17.69
		Punjab	16.08
		<b>All - India</b>	<b>93.50</b>
	Maize	Karnataka	3.27
		Madhya Pradesh	2.58
		Bihar	2.40
		<b>All - India</b>	<b>21.81</b>
	<b>Total Coarse Cereals</b>	Rajasthan	5.91
		Karnataka	5.70
		Madhya Pradesh	3.83
		<b>All - India</b>	<b>37.94</b>
	<b>Total Pulses</b>	Madhya Pradesh	5.12
		Rajasthan	1.95
		Maharashtra	1.41
		<b>All - India</b>	<b>16.47</b>
	<b>Total Foodgrains</b>	Uttar Pradesh	44.01
		Madhya Pradesh	30.21
		Punjab	28.41
		<b>All - India</b>	<b>252.22</b>
<b>II .Oilseeds</b>	Groundnut	Gujarat	2.36
		Rajasthan	1.06
		Tamil Nadu	0.88
		<b>All - India</b>	<b>6.77</b>
	Rapeseed & Mustard	Rajasthan	3.27
		Haryana	0.81
		Madhya Pradesh	0.70
		<b>All - India</b>	<b>6.82</b>
	Soyabean	Madhya Pradesh	4.91
		Maharashtra	2.10
		Rajasthan	1.00
		<b>All - India</b>	<b>8.59</b>
	Sunflower	Karnataka	0.17
		Haryana	0.04
		Andhra Pradesh	0.02
		<b>All - India</b>	<b>0.33</b>

(Contd.)

Table 4.2 (Contd.)

Group of Crops	Crops	States	Production
(1)	(2)	(3)	(4)
	<b>Total Oilseeds</b>	Madhya Pradesh	6.24
		Rajasthan	5.71
		Gujarat	4.10
		<b>All - India</b>	<b>25.30</b>
<b>III. Other Cash Crops</b>	Sugarcane	Uttar Pradesh	145.39
		Maharashtra	72.26
		Karnataka	38.48
		<b>All - India</b>	<b>352.16</b>
	Cotton @	Gujarat	9.7
		Maharashtra	6.5
		Telangana	3.86
		<b>All - India</b>	<b>30.15</b>
	Jute & Mesta\$	West Bengal	7.78
		Bihar	1.58
		Assam	0.89
		<b>All - India</b>	<b>10.46</b>

Source: Directorate of Economics & Statistics, DAC&FW

@ : Production in million bales of 170 kg. each.

\* 4th Advance Estimates.

\$ : Production in million bales of 180 kg. each.

**Table 4.3 :** Normal Estimates (Average of 2010-11 to 2014-15) of Area, Production and Yield of Major Crops in India

Group of Crops (1)	Crops (2)	Season (3)	Area (4)	Production (5)	Area - Million Hectares Production - Million Tonnes Yield - Kg./ Hectare	
					Yield	(6)
<b>I. Foodgrains</b>	Rice	Kharif	39.27	89.72		2285
		Rabi	4.31	14.01		3206
		<b>Total</b>	<b>43.57</b>	<b>103.73</b>		<b>2381</b>
	Wheat	Rabi	30.17	91.53		3033
	Jowar	Kharif	2.53	2.85		1126
		Rabi	3.83	3.00		783
		<b>Total</b>	<b>6.36</b>	<b>5.85</b>		<b>913</b>
	Bajra	Kharif	8.16	9.56		1172
	Maize	Kharif	7.35	16.70		2272
		Rabi	1.50	6.14		4087
		<b>Total</b>	<b>8.85</b>	<b>22.84</b>		<b>2580</b>
	Total Coarse Cereals	Kharif	19.97	31.49		1577
		Rabi	6.01	10.83		1801
		<b>Total</b>	<b>25.98</b>	<b>42.32</b>		<b>1629</b>
	Tur	Kharif	4.01	2.90		725
	Gram	Rabi	8.84	8.32		942
	Total Pulses	Kharif	10.76	6.16		573
		Rabi	13.82	11.85		858
		<b>Total</b>	<b>24.58</b>	<b>18.02</b>		<b>733</b>

(Contd.)

Table 4.3 (Contd.)

Group of Crops (1)	Crops (2)	Season (3)	Area (4)	Production (5)	Yield (6)
	Total Foodgrains	Kharif	70.00	127.38	1820
		Rabi	54.31	128.22	2361
		Total	124.31	255.59	2056
		Total	5.22	7.41	1418
<b>II. Oilseeds</b>	Groundnut				
	Rapeseed & Mustard	Rabi	6.32	7.39	1170
	Soyabean	Kharif	10.64	12.37	1163
	Sunflower	Total	0.75	0.53	706
	<b>Nine Oilseeds</b>	<b>Total</b>	<b>26.73</b>	<b>30.70</b>	<b>1148</b>
<b>III. Other Cash Crops</b>	Sugarcane	Total	5.00	351.82	70416
	Cotton @	Total	12.03	34.63	489
	Jute & Mesta\$	Total	0.86	11.15	2342

Source: Directorate of Economics & Statistics, DAC&FW

@ : Production in million bales of 170 kg. each.

\$ : Production in million bales of 180 kg. each.

Table 4.4: Season-wise Area, Production and Yield of Foodgrains

Year	Kharif				Rabi				Total			
	A		Y		A		Y		A		Y	
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
(1)												
1966-67	78.21	48.89	625	37.09	25.34	683	115.30	74.23	644			
1967-68	81.49	60.76	746	39.93	34.29	859	121.42	95.05	783			
1968-69	80.40	59.57	741	40.03	34.44	860	120.43	94.01	781			
1969-70	82.30	62.35	758	41.27	37.15	900	123.57	99.50	805			
1970-71	82.36	68.92	837	41.96	39.50	941	124.32	108.42	872			
1971-72	79.22	62.99	795	43.40	42.18	972	122.62	105.17	858			
1972-73	78.34	58.64	749	40.94	38.39	938	119.28	97.03	813			
1973-74	84.12	67.84	806	42.42	36.83	868	126.54	104.67	827			
1974-75	79.74	59.10	741	41.34	40.73	985	121.08	99.83	824			
1975-76	83.15	73.89	889	45.03	47.14	1047	128.18	121.03	944			
1976-77	81.18	66.53	820	43.18	44.64	1034	124.36	111.17	894			
1977-78	82.88	77.72	938	44.64	48.69	1091	127.52	126.41	991			
1978-79	82.85	78.08	942	46.16	53.82	1166	129.01	131.90	1022			
1979-80	80.79	63.25	783	44.42	46.45	1046	125.21	109.70	876			
1980-81	83.21	77.65	933	43.46	51.94	1195	126.67	129.59	1023			
1981-82	83.93	79.38	946	45.21	53.92	1193	129.14	133.30	1032			
1982-83	79.08	69.90	884	46.02	59.62	1296	125.10	129.52	1035			
1983-84	84.14	89.23	1060	47.02	63.14	1343	131.16	152.37	1162			
1984-85	81.18	84.52	1041	45.49	61.02	1341	126.67	145.54	1149			

(Contd.)

Table 4.4 (Contd.)

Year	Kharif			Rabi			Total		
	A (2)	P (3)	Y (4)	A (5)	P (6)	Y (7)	A (8)	P (9)	Y (10)
1985-86	81.80	85.25	1042	46.22	65.19	1410	128.02	150.44	1175
1986-87	81.46	80.20	985	45.74	63.22	1382	127.20	143.42	1128
1987-88	74.89	74.56	996	44.80	65.79	1469	119.69	140.35	1173
1988-89	82.03	95.64	1166	45.64	74.28	1628	127.67	169.92	1331
1989-90	81.40	100.99	1241	45.37	70.05	1544	126.77	171.04	1349
1990-91	80.78	99.44	1231	47.06	76.95	1635	127.84	176.39	1380
1991-92	78.02	91.59	1174	43.85	76.79	1751	121.87	168.38	1382
1992-93	77.92	101.47	1302	45.23	78.01	1725	123.15	179.48	1457
1993-94	75.81	100.40	1324	46.94	83.86	1787	122.75	184.26	1501
1994-95	75.19	101.09	1344	48.67	90.41	1858	123.86	191.50	1546
1995-96	73.60	95.12	1292	47.42	85.30	1799	121.02	180.42	1491
1996-97	75.34	103.82	1379	48.24	95.52	1980	123.58	199.34	1613
1997-98	74.37	101.58	1370	49.70	90.68	1825	124.07	192.26	1550
1998-99	73.99	102.91	1391	51.18	100.69	1967	125.17	203.60	1627
1999-00	73.24	105.51	1441	49.87	104.29	2091	123.11	209.80	1704
2000-01	75.22	102.09	1357	45.83	94.73	2067	121.05	196.81	1626
2001-02	74.23	112.07	1510	48.55	100.78	2076	122.78	212.85	1734
2002-03	68.56	87.22	1272	45.30	87.55	1933	113.86	174.77	1535
2003-04	75.44	117.00	1551	48.01	96.19	2004	123.45	213.19	1727
2004-05	72.26	103.31	1430	47.82	95.05	2004	120.08	198.36	1652
2005-06	72.72	109.87	1511	48.88	98.73	2020	121.60	208.60	1715

(Contd.)

Table 4.4 (Contd.)

Year	Kharif			Rabi			Total		
	A (2)	P (3)	Y (4)	A (5)	P (6)	Y (7)	A (8)	P (9)	Y (10)
2006-07	72.67	110.58	1522	51.04	106.71	2091	123.71	217.28	1756
2007-08	73.58	121.00	1644	50.49	109.77	2174	124.07	230.78	1860
2008-09	71.45	118.18	1654	51.39	116.28	2263	122.85	234.47	1909
2009-10	69.51	104.00	1496	51.83	114.11	2202	121.34	218.11	1798
2010-11	72.42	120.90	1669	54.25	123.60	2278	126.67	244.50	1930
2011-12	72.08	131.27	1821	52.67	128.01	2430	124.75	259.29	2078
2012-13	67.69	128.07	1892	53.09	129.06	2431	120.78	257.13	2129
2013-14	69.05	128.69	1864	55.99	136.35	2435	125.04	265.04	2120
2014-15	68.77	128.06	1862	55.53	123.96	2232	124.30	252.02	2028
2015-16*	68.76	124.01	1804	53.89	128.21	2379	122.65	252.22	2056

Source: Directorate of Economics & Statistics, DAC&FW  
\* 4th Advance Estimates.

**Table 4.5(a):** Foodgrains: All-India Area, Production and Yield alongwith coverage under Irrigation  
 Area - Million Hectares  
 Production - Million Tonnes  
 Yield - Kg./Hectare

Year	Area	Production	Yield	Area Under Irrigation(%)
(1)	(2)	(3)	(4)	(5)
1950-51	97.32	50.82	522	18.1
1951-52	96.96	51.99	536	18.4
1952-53	102.09	59.20	580	18.1
1953-54	109.07	69.82	640	18.1
1954-55	107.86	68.03	631	18.4
1955-56	110.56	66.85	605	18.5
1956-57	111.14	69.86	629	18.2
1957-58	109.48	64.31	587	19.3
1958-59	114.76	77.14	672	18.7
1959-60	115.82	76.67	662	18.8
1960-61	115.58	82.02	710	19.1
1961-62	117.23	82.71	706	19.1
1962-63	117.84	80.15	680	19.8
1963-64	117.42	80.64	687	19.8
1964-65	118.11	89.36	757	20.2
1965-66	115.10	72.35	629	20.9
1966-67	115.30	74.23	644	22.2
1967-68	121.42	95.05	783	21.6
1968-69	120.43	94.01	781	23.6
1969-70	123.57	99.50	805	23.7
1970-71	124.32	108.42	872	24.1
1971-72	122.62	105.17	858	24.5
1972-73	119.28	97.03	813	25.4
1973-74	126.54	104.67	827	24.5
1974-75	121.08	99.83	824	26.5
1975-76	128.18	121.03	944	26.5
1976-77	124.36	111.17	894	27.4
1977-78	127.52	126.41	991	27.7
1978-79	129.01	131.90	1022	28.8
1979-80	125.21	109.70	876	30.3
1980-81	126.67	129.59	1023	29.7
1981-82	129.14	133.30	1032	29.6
1982-83	125.10	129.52	1035	30.8
1983-84	131.16	152.37	1162	30.9
1984-85	126.67	145.54	1149	31.9
1985-86	128.02	150.44	1175	31.4
1986-87	127.20	143.42	1128	32.6
1987-88	119.69	140.35	1173	33.5
1988-89	127.67	169.92	1331	34.4

(Contd.)



Table 4.5(a) (*Contd.*)

Year	Area	Production	Yield	Area Under Irrigation(%)
(1)	(2)	(3)	(4)	(5)
1989-90	126.77	171.04	1349	35.0
1990-91	127.84	176.39	1380	35.1
1991-92	121.87	168.38	1382	37.4
1992-93	123.15	179.48	1457	37.4
1993-94	122.75	184.26	1501	38.7
1994-95	123.86	191.50	1546	39.6
1995-96	121.01	180.42	1491	40.1
1996-97	123.58	199.34	1614	40.0
1997-98	124.07	192.26	1552	40.8
1998-99	125.17	203.61	1627	42.4
1999-00	123.10	209.80	1704	43.9
2000-01	121.05	196.81	1626	43.4
2001-02	122.78	212.85	1734	43.0
2002-03	113.86	174.77	1535	42.8
2003-04	123.45	213.19	1727	42.2
2004-05	120.08	198.36	1652	44.2
2005-06	121.60	208.60	1715	45.5
2006-07	123.71	217.28	1756	46.3
2007-08	124.07	230.78	1860	46.8
2008-09	122.83	234.47	1909	48.3
2009-10	121.33	218.11	1798	47.8
2010-11	126.67	244.49	1930	47.8
2011-12	124.75	259.29	2078	49.8
2012-13	120.78	257.13	2129	51.2
2013-14	125.04	265.04	2120	51.9
2014-15	124.30	252.02	2028	-
2015-16*	122.65	252.22	2056	-

Source: Directorate of Economics & Statistics, DAC&FW

\* 4th Advance Estimates.

**Table 4.5 (b):** Foodgrains: Area, Production and Yield during 2014-15 and 2015-16 in major Producing States alongwith coverage under Irrigation

State	2015-16#										2014-15			Area	
	Area	% to All - India	Production	% to All - India	Yield	Area	% to All - India	Production	% to All - India	Yield	Under Irrigation(%)				
											2013-14*	(12)			
													(11)	(10)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)				
Uttar Pradesh	19.32	15.75	44.01	17.45	2278	20.08	16.15	39.59	15.71	1972	78.4				
Madhya Pradesh	15.62	12.73	30.21	11.98	1935	15.46	12.44	28.69	11.38	1855	58.2				
Punjab	6.65	5.42	28.41	11.26	4273	6.59	5.30	26.70	10.59	4054	98.8				
Rajasthan	12.99	10.59	18.10	7.18	1393	12.83	10.33	19.62	7.79	1529	32.5				
West Bengal	6.39	5.21	17.78	7.05	2783	6.13	4.93	16.53	6.56	2698	48.4				
Haryana	4.47	3.64	16.38	6.50	3665	4.45	3.58	15.24	6.05	3427	92.0				
Bihar	6.60	5.38	14.10	5.59	2135	6.73	5.41	13.21	5.24	1964	69.1				
Tamil Nadu	3.86	3.15	11.94	4.73	3090	3.54	2.85	9.62	3.82	2720	56.4				
Andhra Pradesh	4.14	3.37	10.57	4.19	2555	3.96	3.19	10.49	4.16	2650	66.6				
Karnataka	7.16	5.84	9.97	3.95	1393	7.19	5.79	12.14	4.82	1687	26.9				
Maharashtra	10.12	8.25	8.07	3.20	797	11.45	9.21	11.31	4.49	988	18.6				
Chhattisgarh	4.99	4.07	6.96	2.76	1395	5.06	4.07	7.46	2.96	1475	31.3				
Odisha	5.37	4.38	6.59	2.61	1226	5.17	4.16	8.98	3.56	1738	29.2				
Gujarat	3.16	2.58	6.23	2.47	1973	3.53	2.84	7.11	2.82	2016	46.1				
Assam	2.68	2.19	5.35	2.12	1995	2.70	2.17	5.46	2.17	2021	10.3				

(Contd.)

Table 4.5(b) (Contd.)

State	2015-16#				2014-15				Area			
	All - India		All - India		All - India		All - India		Yield	Under Irrigation(%)		
	Area	% to	Production	% to	Yield	Area	% to	Production				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	2013-14*	(12)
Telangana	2.19	1.78	5.03	1.99	2300	2.61	2.10	7.11	2.82	2723	65.4	
Jharkhand	2.65	2.16	4.09	1.62	1544	2.55	2.05	4.78	1.90	1872	9.1	
Uttarakhand	0.88	0.72	1.73	0.68	1967	0.90	0.72	1.63	0.65	1813	44.4	
Others	3.42	2.79	6.71	2.66	@	3.39	6.36	6.36	2.52	@	-	
All India	122.65	100.00	252.22	100.00	2056	124.30	96.52	252.02	100.00	2028	51.9	

Source: Directorate of Economics & Statistics, DAC&FW

@ - Since area/ production is low in individual states, yield rate is not worked out.

Note: States have been arranged in descending order of percentage share of production during 2015-16.

\* Provisional

# Fourth Advance Estimates.

**Table 4.6(a):** Rice: All-India Area, Production and Yield alongwith coverage under Irrigation

Year	Area	Production	Yield	Area - Million Hectares
				Production - Million Tonnes
				Yield - Kg./Hectare
				Area Under Irrigation (%)
(1)	(2)	(3)	(4)	(5)
1950-51	30.81	20.58	668	31.7
1951-52	29.83	21.30	714	31.7
1952-53	29.97	22.90	764	32.3
1953-54	31.29	28.21	902	33.6
1954-55	30.77	25.22	820	34.4
1955-56	31.52	27.56	874	34.9
1956-57	32.28	29.04	900	35.4
1957-58	32.30	25.53	790	36.4
1958-59	33.17	30.85	930	36.3
1959-60	33.82	31.68	937	35.8
1960-61	34.13	34.58	1013	36.8
1961-62	34.69	35.66	1028	37.5
1962-63	35.69	33.21	931	37.4
1963-64	35.81	37.00	1033	37.1
1964-65	36.46	39.31	1078	37.3
1965-66	35.47	30.59	862	36.5
1966-67	35.25	30.44	864	37.9
1967-68	36.44	37.61	1032	38.6
1968-69	36.97	39.76	1075	38.4
1969-70	37.68	40.43	1073	38.2
1970-71	37.59	42.22	1123	38.4
1971-72	37.76	43.07	1141	37.2
1972-73	36.69	39.24	1070	39.1
1973-74	38.29	44.05	1150	38.4
1974-75	37.89	39.58	1045	38.8
1975-76	39.48	48.74	1235	38.7
1976-77	38.51	41.92	1089	38.4
1977-78	40.28	52.67	1308	40.2
1978-79	40.48	53.77	1328	41.6
1979-80	39.42	42.33	1074	42.8
1980-81	40.15	53.63	1336	40.7
1981-82	40.71	53.25	1308	41.5
1982-83	38.26	47.12	1232	42.0

(Contd.)

Table 4.6(a) (*Contd.*)

Year	Area	Production	Yield	Area Under Irrigation (%)
(1)	(2)	(3)	(4)	(5)
1983-84	41.24	60.10	1457	42.7
1984-85	41.16	58.34	1417	43.7
1985-86	41.14	63.83	1552	42.9
1986-87	41.17	60.56	1471	44.1
1987-88	38.81	56.86	1465	43.6
1988-89	41.73	70.49	1689	45.8
1989-90	42.17	73.57	1745	46.1
1990-91	42.69	74.29	1740	45.6
1991-92	42.65	74.68	1751	47.3
1992-93	41.78	72.86	1744	48.0
1993-94	42.54	80.30	1888	48.6
1994-95	42.81	81.81	1911	49.9
1995-96	42.84	76.98	1797	49.9
1996-97	43.43	81.73	1882	53.5
1997-98	43.45	82.54	1900	53.2
1998-99	44.80	86.08	1921	55.1
1999-00	45.16	89.68	1986	55.1
2000-01	44.71	84.98	1901	54.4
2001-02	44.90	93.34	2079	54.6
2002-03	41.18	71.82	1744	51.3
2003-04	42.59	88.53	2079	52.9
2004-05	41.91	83.13	1984	55.2
2005-06	43.66	91.79	2102	56.8
2006-07	43.81	93.36	2131	58.0
2007-08	43.91	96.69	2202	57.7
2008-09	45.54	99.18	2178	58.8
2009-10	41.92	89.09	2125	56.9
2010-11	42.86	95.98	2239	58.8
2011-12	44.01	105.30	2393	58.6
2012-13	42.75	105.23	2461	58.5
2013-14	44.14	106.65	2416	59.6
2014-15	44.11	105.48	2391	-
2015-16*	43.39	104.32	2404	-

Source: Directorate of Economics & Statistics, DAC&FW

\* 4th Advance Estimates.

**Table 4.6 (b): Rice: Area, Production and Yield during 2014-15 and 2015-16 in major Producing States alongwith coverage under Irrigation**

State	2015-16#						2014-15				Area Under Irrigation(%) 2013-14*	
	Area	% to All - India	Production	% to All - India	Yield	Area	% to All - India	Production	% to All - India	Yield	Area Under Irrigation(%) 2013-14*	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	
West Bengal	5.46	12.59	15.75	15.10	2883	5.38	12.19	14.68	13.91	2730	46.9	
Uttar Pradesh	5.87	13.52	12.51	11.99	2132	5.87	13.31	12.17	11.54	2072	83.4	
Punjab	2.98	6.86	11.82	11.33	3974	2.89	6.56	11.11	10.53	3838	99.6	
Tamil Nadu	2.04	4.70	7.98	7.65	3918	1.79	4.07	5.73	5.43	3191	93.4	
Andhra Pradesh	2.16	4.98	7.49	7.18	3466	2.39	5.43	7.23	6.86	3022	97.3	
Bihar	3.21	7.41	6.49	6.22	2019	3.26	7.40	6.36	6.03	1948	63.0	
Chattisgarh	3.82	8.79	6.09	5.84	1597	3.81	8.63	6.32	5.99	1660	35.3	
Odisha	3.94	9.09	5.88	5.63	1491	4.17	9.45	8.30	7.87	1992	33.0	
Assam	2.47	5.69	5.14	4.93	2084	2.50	5.66	5.22	4.95	2093	11.0	
Haryana	1.35	3.12	4.15	3.97	3061	1.29	2.92	4.01	3.80	3113	100.0	
Madhya Pradesh	2.02	4.66	3.58	3.43	1768	2.15	4.88	3.63	3.44	1684	29.6	
Telangana	1.05	2.41	2.96	2.84	2830	1.42	3.21	4.44	4.21	3138	97.4	
Jharkhand	1.59	3.66	2.88	2.76	1814	1.50	3.41	3.36	3.19	2238	5.3	
Karnataka	1.06	2.45	2.70	2.59	2547	1.33	3.01	3.54	3.36	2670	75.3	
Maharashtra	1.53	3.53	2.63	2.52	1714	1.55	3.52	2.95	2.79	1899	26.1	
Gujarat	0.76	1.76	1.67	1.60	2189	0.79	1.78	1.83	1.74	2329	61.5	
Kerala	0.20	0.45	0.56	0.53	2834	0.20	0.45	0.56	0.53	2837	77.2	
Others	1.88	4.33	4.04	3.87	@	1.83	4.14	4.05	3.84	@	-	
All India	43.39	100.00	104.32	100.00	2404	44.11	100.00	105.48	100.00	2391	59.6	

Source: Directorate of Economics &amp; Statistics, DAC&amp;FW

‘@ - Since area/ production is low in individual states, yield rate is not worked out.

Note: States have been arranged in descending order of percentage share of production during 2015-16.

\* Provisional # Fourth Advance Estimates.

**Table 4.7(a):** Wheat: All-India Area, Production and Yield alongwith coverage under Irrigation  
 Area - Million Hectares  
 Production - Million Tonnes  
 Yield - Kg./Hectare

Year	Area	Production	Yield	Area Under Irrigation(%)
(1)	(2)	(3)	(4)	(5)
1950-51	9.75	6.46	663	34.0
1951-52	9.47	6.18	653	35.8
1952-53	9.83	7.50	763	37.2
1953-54	10.68	8.02	750	36.2
1954-55	11.26	9.04	803	35.0
1955-56	12.37	8.76	708	32.7
1956-57	13.52	9.40	695	29.4
1957-58	11.73	7.99	682	33.3
1958-59	12.62	9.96	789	31.8
1959-60	13.38	10.32	772	31.8
1960-61	12.93	11.00	851	32.7
1961-62	13.57	12.07	890	31.9
1962-63	13.59	10.78	793	33.8
1963-64	13.50	9.85	730	34.9
1964-65	13.42	12.26	913	36.8
1965-66	12.57	10.40	827	43.1
1966-67	12.84	11.39	887	48.0
1967-68	14.99	16.54	1103	43.4
1968-69	15.96	18.65	1169	49.8
1969-70	16.63	20.09	1208	51.1
1970-71	18.24	23.83	1307	54.3
1971-72	19.14	26.41	1380	54.5
1972-73	19.46	24.74	1271	57.6
1973-74	18.58	21.78	1172	57.7
1974-75	18.01	24.10	1338	61.8
1975-76	20.45	28.84	1410	61.8
1976-77	20.92	29.01	1387	65.1
1977-78	21.46	31.75	1480	64.6
1978-79	22.64	35.51	1568	66.0
1979-80	22.17	31.83	1436	68.3
1980-81	22.28	36.31	1630	76.5
1981-82	22.14	37.45	1691	70.7
1982-83	23.57	42.79	1816	72.5
1983-84	24.67	45.48	1843	73.0
1984-85	23.56	44.07	1870	74.5
1985-86	23.00	47.05	2046	74.6
1986-87	23.13	44.32	1916	76.3
1987-88	23.06	46.17	2002	76.8
1988-89	24.11	54.11	2244	79.2

(Contd.)

Table 4.7(a) (Contd.)

Year	Area	Production	Yield	Area Under Irrigation(%)
(1)	(2)	(3)	(4)	(5)
1989-90	23.50	49.85	2121	80.3
1990-91	24.17	55.14	2281	81.1
1991-92	23.26	55.69	2394	83.7
1992-93	24.59	57.21	2327	84.2
1993-94	25.15	59.84	2380	84.8
1994-95	25.70	65.77	2559	85.2
1995-96	25.01	62.10	2483	85.8
1996-97	25.89	69.35	2679	86.2
1997-98	26.70	66.35	2485	85.8
1998-99	27.52	71.29	2590	85.8
1999-00	27.49	76.37	2778	87.2
2000-01	25.73	69.68	2708	88.1
2001-02	26.34	72.77	2762	87.4
2002-03	25.20	65.76	2610	88.0
2003-04	26.59	72.16	2713	88.4
2004-05	26.38	68.64	2602	89.9
2005-06	26.48	69.35	2619	90.6
2006-07	27.99	75.81	2708	90.9
2007-08	28.04	78.57	2802	91.3
2008-09	27.75	80.68	2907	91.7
2009-10	28.46	80.80	2839	91.8
2010-11	29.07	86.87	2988	92.2
2011-12	29.86	94.88	3177	93.0
2012-13	30.00	93.51	3117	93.5
2013-14	30.47	95.85	3146	93.6
2014-15	31.47	86.53	2750	-
2015-16*	30.23	93.50	3093	-

Source: Directorate of Economics & Statistics, DAC&FW

\* 4th Advance Estimates.



**Table 4.7(b):** Wheat Area, Production and Yield during 2013-14 and 2014-15 in major Producing States alongwith coverage under Irrigation

State	2015-16#					2014-15					Area Under Irrigation(%) 2013-14*	
	Area		% to		Yield	Area		% to		Yield	Area Under Irrigation(%) 2013-14*	
	(2)	(3)	(4)	(5)		(7)	(8)	(9)	(10)	(11)	(12)	(13)
(1)												
Uttar Pradesh	9.65	31.91	26.87	28.74	2786	9.85	31.29	22.42	25.91	2277	98.5	98.5
Madhya Pradesh	5.91	19.55	17.69	18.92	2993	6.00	19.07	17.10	19.77	2850	92.1	92.1
Punjab	3.50	11.57	16.08	17.20	4596	3.51	11.14	15.05	17.39	4294	99.0	99.0
Haryana	2.58	8.52	11.35	12.14	4407	2.60	8.27	10.35	11.97	3981	99.5	99.5
Rajasthan	3.11	10.28	9.87	10.56	3175	3.32	10.54	9.82	11.35	2961	99.4	99.4
Bihar	2.16	7.13	4.75	5.08	2205	2.15	6.85	3.99	4.61	1851	94.7	94.7
Gujarat	0.85	2.82	2.48	2.66	2919	1.11	3.53	3.06	3.54	2751	90.8	90.8
West Bengal	0.34	1.12	0.96	1.03	2825	0.33	1.06	0.94	1.09	2807	98.7	98.7
Uttarakhand	0.34	1.13	0.76	0.81	2225	0.35	1.11	0.65	0.76	1881	58.7	58.7
Maharashtra	0.63	2.08	0.76	0.81	1205	1.07	3.39	1.31	1.51	1226	73.9	73.9
Himachal Pradesh	0.35	1.14	0.68	0.73	1968	0.33	1.05	0.65	0.75	1957	21.8	21.8
Jammu & Kashmir	0.32	1.06	0.50	0.53	1550	0.32	1.02	0.31	0.36	979	28.5	28.5
Jharkhand	0.16	0.53	0.27	0.29	1701	0.17	0.54	0.33	0.38	1931	88.4	88.4
Karnataka	0.17	0.57	0.17	0.19	1012	0.20	0.63	0.26	0.30	1318	55.9	55.9
Assam	0.03	0.10	0.04	0.04	1167	0.02	0.08	0.03	0.03	1217	8.4	8.4
Telangana	0.01	0.02	0.01	0.01	1000	0.01	0.02	0.01	0.01	1167	99.1	99.1
Others	0.14	0.46	0.25	0.27	@	0.13	0.42	0.25	0.28	@	-	-
<b>All India</b>	<b>30.23</b>	<b>100.00</b>	<b>93.50</b>	<b>100.00</b>	<b>3093</b>	<b>31.47</b>	<b>100.00</b>	<b>86.53</b>	<b>100.00</b>	<b>2750</b>	<b>93.6</b>	<b>93.6</b>

Source: Directorate of Economics &amp; Statistics, DAC&amp;FW

‘@’ - Since area/ production is low in individual states, yield rate is not worked out.

Note: States have been arranged in descending order of percentage share of production during 2015-16.

\* Provisional

# Fourth Advance Estimates.

**Table 4.8(a):** Coarse Cereals: All-India Area, Production and Yield alongwith coverage under Irrigation  
 Area - Million Hectares  
 Production - Million Tonnes  
 Yield - Kg./Hectare

Year	Area	Production	Yield	Area Under Irrigation(%)
(1)	(2)	(3)	(4)	(5)
1950-51	37.67	15.38	408	7.9
1951-52	38.88	16.09	414	8.7
1952-53	42.45	19.61	462	8.1
1953-54	45.37	22.97	506	7.8
1954-55	43.92	22.82	520	8.1
1955-56	43.45	19.49	449	8.0
1956-57	42.02	19.87	473	7.6
1957-58	42.91	21.23	495	8.0
1958-59	44.66	23.18	519	7.5
1959-60	43.79	22.87	522	7.5
1960-61	44.96	23.74	528	7.7
1961-62	44.73	23.22	519	7.1
1962-63	44.29	24.63	556	7.3
1963-64	43.93	23.72	540	7.3
1964-65	44.35	25.37	514	7.3
1965-66	44.34	21.42	483	8.1
1966-67	45.09	24.05	533	8.5
1967-68	47.34	28.80	608	8.0
1968-69	46.24	25.18	545	9.6
1969-70	47.24	27.29	578	9.4
1970-71	45.95	30.55	665	8.3
1971-72	43.57	24.60	564	8.4
1972-73	42.21	23.14	548	8.6
1973-74	46.24	28.83	623	8.3
1974-75	43.15	26.13	606	10.9
1975-76	43.80	30.41	694	9.9
1976-77	41.94	28.88	689	9.7
1977-78	42.28	30.02	710	8.9
1978-79	42.23	30.44	721	8.5
1979-80	41.36	26.97	652	9.4
1980-81	41.78	29.02	695	9.2
1981-82	42.45	31.09	733	9.0
1982-83	40.43	27.75	685	9.0
1983-84	41.71	33.90	813	7.8
1984-85	39.21	31.17	795	8.4
1985-86	39.47	26.20	664	8.4
1986-87	39.74	26.83	675	9.1
1987-88	36.55	26.36	721	9.8
1988-89	38.68	31.47	814	9.2

(Contd.)

Table 4.8(a) (*Contd.*)

Year	Area	Production	Yield	Area Under Irrigation(%)
(1)	(2)	(3)	(4)	(5)
1989-90	37.69	34.76	922	9.8
1990-91	36.32	32.70	900	9.0
1991-92	33.42	25.99	778	10.7
1992-93	34.42	36.59	1063	10.1
1993-94	32.82	30.82	939	10.4
1994-95	32.17	29.88	929	10.4
1995-96	30.88	29.03	940	11.0
1996-97	31.81	34.11	1072	10.2
1997-98	31.05	30.40	986	11.0
1998-99	29.34	31.34	1068	12.0
1999-00	29.34	30.33	1034	12.6
2000-01	30.26	31.08	1027	12.5
2001-02	29.52	33.38	1131	11.3
2002-03	26.99	26.07	966	11.0
2003-04	30.80	37.60	1221	6.6
2004-05	29.03	33.46	1153	12.5
2005-06	29.06	34.07	1172	13.4
2006-07	28.71	33.92	1182	13.7
2007-08	28.48	40.75	1431	14.8
2008-09	27.45	40.04	1459	15.3
2009-10	27.68	33.55	1212	14.6
2010-11	28.34	43.40	1531	14.4
2011-12	26.42	42.01	1590	15.7
2012-13	24.76	40.04	1617	16.6
2013-14	25.22	43.29	1717	17.2
2014-15	25.17	42.86	1703	-
2015-16*	23.78	37.94	1596	-

Source: Directorate of Economics & Statistics, DAC&FW

\* 4th Advance Estimates.

**Table 4.8 (b):** Coarse Cereals : Area, Production and Yield during 2014-15 and 2015-16 in major Producing States alongwith coverage under Irrigation

State	Area - Million Hectares Production - Million Tonnes Yield - Kg./Hectare									
	2015-16#					2014-15				
	Area	% to All - India	Production	% to All - India	Yield	Area	% to All - India	Production	% to All - India	Yield
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Rajasthan	5.83	24.51	5.91	15.57	1014	5.99	23.78	7.48	17.45	1249
Karnataka	3.15	13.23	5.70	15.04	1814	3.35	13.31	6.95	16.21	2074
Madhya Pradesh	1.92	8.08	3.83	10.09	1994	1.79	7.13	3.13	7.30	1744
Uttar Pradesh	1.94	8.16	3.41	8.99	1756	2.01	7.99	3.57	8.33	1776
Tamil Nadu	0.90	3.79	3.39	8.92	3759	0.86	3.41	3.14	7.33	3657
Maharashtra	4.61	19.37	3.27	8.62	710	5.42	21.55	5.00	11.68	923
Bihar	0.73	3.06	2.43	6.40	3337	0.73	2.91	2.37	5.53	3236
Andhra Pradesh	0.53	2.21	1.85	4.89	3525	0.53	2.09	2.31	5.39	4392
Telangana	0.66	2.76	1.82	4.79	2766	0.78	3.11	2.40	5.61	3066
Gujarat	0.95	3.99	1.55	4.08	1632	1.04	4.12	1.64	3.84	1585
Haryana	0.47	1.98	0.84	2.21	1781	0.47	1.88	0.82	1.91	1728
West Bengal	0.17	0.72	0.74	1.94	4305	0.17	0.66	0.68	1.58	4081
Himachal Pradesh	0.32	1.36	0.71	1.86	2194	0.32	1.28	0.62	1.45	1936
Jammu & Kashmir	0.34	1.44	0.50	1.32	1455	0.34	1.33	0.38	0.89	1131

(Contd.)

Table 4.8(b) (Contd.)

State	2015-16#				2014-15				Area Under Irrigation(%) 2013-14*		
	Area	% to All - India	Production	% to All - India	Yield	Area	% to All - India	Production		% to All - India	Yield
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Punjab	0.13	0.53	0.46	1.21	3678	0.14	0.54	0.50	1.17	3645	79.4
Jharkhand	0.30	1.28	0.38	1.01	1268	0.28	1.13	0.49	1.14	1714	3.7
Uttarakhand	0.21	0.87	0.28	0.75	1361	0.22	0.88	0.31	0.73	1414	0.3
Chhattisgarh	0.22	0.94	0.22	0.57	964	0.26	1.01	0.27	0.62	1047	4.1
Odisha	0.14	0.57	0.16	0.41	1163	0.17	0.69	0.24	0.57	1401	2.1
Others	0.28	1.16	0.50	1.33	@	0.30	1.19	0.55	1.28	@	1.1
All India	23.78	100.00	37.94	100.00	1596	25.17	100.00	42.86	100.00	1703	17.2

Source: Directorate of Economics &amp; Statistics, DAC&amp;FW

@ - Since area/ production is low in individual states, yield rate is not worked out.

Note: States have been arranged in descending order of percentage share of production during 2015-16.

\* Provisional

# Fourth Advance Estimates.

**Table 4.9(a):** Jowar: All-India Area, Production and Yield alongwith coverage under Irrigation  
Area - Million Hectares  
Production - Million Tonnes  
Yield - Kg./Hectare

Year	Area	Production	Yield	Area Under Irrigation(%)
(1)	(2)	(3)	(4)	(5)
1950-51	15.57	5.50	353	3.0
1951-52	15.94	6.08	381	3.5
1952-53	17.54	7.36	420	3.1
1953-54	17.76	8.08	455	3.1
1954-55	17.46	9.20	527	3.3
1955-56	17.36	6.73	387	3.6
1956-57	16.24	7.33	451	3.4
1957-58	17.31	8.64	499	3.5
1958-59	17.96	9.03	503	3.5
1959-60	17.71	8.58	484	3.6
1960-61	18.41	9.81	533	3.6
1961-62	18.25	8.03	440	3.7
1962-63	18.41	9.75	529	3.7
1963-64	18.38	9.20	501	3.9
1964-65	18.06	9.68	536	3.8
1965-66	17.68	7.58	429	4.1
1966-67	18.05	9.22	511	4.0
1967-68	18.42	10.05	545	3.9
1968-69	18.73	9.80	523	4.5
1969-70	18.61	9.72	522	4.1
1970-71	17.37	8.11	466	3.6
1971-72	16.78	7.72	460	4.4
1972-73	15.51	6.97	449	3.3
1973-74	16.72	9.10	544	4.0
1974-75	16.19	10.41	643	4.6
1975-76	16.09	9.50	591	4.9
1976-77	15.77	10.52	667	5.1
1977-78	16.32	12.06	739	4.9
1978-79	16.15	11.44	708	4.8
1979-80	16.67	11.65	699	4.9
1980-81	15.81	10.43	660	4.7
1981-82	16.60	12.06	727	4.6
1982-83	16.38	10.75	657	4.3
1983-84	16.43	11.92	725	4.1
1984-85	15.94	11.40	715	4.4
1985-86	16.10	10.20	633	4.5
1986-87	15.95	9.19	576	4.9
1987-88	16.00	12.20	762	4.9
1988-89	14.60	10.17	697	5.8
1989-90	14.84	12.90	869	6.3

(Contd.)

Table 4.9(a) (*Contd.*)

Year	Area	Production	Yield	Area Under Irrigation(%)
(1)	(2)	(3)	(4)	(5)
1990-91	14.36	11.68	814	5.6
1991-92	12.36	8.10	655	6.5
1992-93	13.04	12.81	982	6.1
1993-94	12.71	11.41	895	6.2
1994-95	11.51	8.97	779	6.7
1995-96	11.33	9.33	823	6.8
1996-97	11.43	10.94	957	6.7
1997-98	10.80	7.53	697	7.3
1998-99	9.79	8.42	859	8.1
1999-00	10.25	8.68	847	7.7
2000-01	9.86	7.53	764	7.9
2001-02	9.80	7.56	771	8.3
2002-03	9.30	7.01	754	8.5
2003-04	9.33	6.68	716	7.5
2004-05	9.09	7.24	797	8.8
2005-06	8.67	7.63	880	8.5
2006-07	8.47	7.15	844	8.3
2007-08	7.76	7.93	1021	8.9
2008-09	7.53	7.25	962	9.3
2009-10	7.79	6.70	860	8.8
2010-11	7.38	7.00	949	8.7
2011-12	6.25	5.98	957	9.7
2012-13	6.21	5.28	850	9.7
2013-14	5.79	5.54	956	9.6
2014-15	6.16	5.45	884	-
2015-16*	5.65	4.41	780	-

Source: Directorate of Economics & Statistics, DAC&FW

\* 4th Advance Estimates.

**Table 4.9 (b): Jowar: Area, Production and Yield during 2014-15 and 2015-16 in major Producing States alongwith coverage under Irrigation**  
 Area - Million Hectares  
 Production - Million Tonnes  
 Yield - Kg./ Hectare

State	2015-16#					2014-15					Area Under Irrigation(%) 2013-14*	
	Area	% to All - India	Production	% to All - India	Yield	Area	% to All - India	Production	% to All - India	Yield		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Maharashtra	2.80	49.46	1.31	29.59	467	3.29	53.37	2.11	38.73	641	641	9.5
Karnataka	1.09	19.26	1.15	25.98	1052	1.05	16.99	1.17	21.56	1121	1121	10.0
Tamil Nadu	0.35	6.22	0.55	12.42	1558	0.35	5.64	0.51	9.42	1475	1475	13.5
Madhya Pradesh	0.21	3.63	0.41	9.29	2000	0.22	3.57	0.38	6.92	1714	1714	0.6
Rajasthan	0.63	11.17	0.34	7.80	545	0.66	10.73	0.50	9.27	763	763	0.1
Andhra Pradesh	0.17	3.08	0.29	6.67	1691	0.14	2.30	0.29	5.26	2016	2016	29.3
Gujarat	0.10	1.84	0.14	3.26	1385	0.15	2.35	0.20	3.59	1350	1350	19.8
Uttar pradesh	0.16	2.74	0.11	2.38	677	0.16	2.66	0.16	2.99	994	994	0.4
Telangana	0.08	1.34	0.07	1.65	961	0.08	1.28	0.08	1.52	1051	1051	3.4
Haryana	0.05	0.94	0.03	0.63	528	0.05	0.81	0.03	0.48	520	520	77.6
Odisha	0.01	0.11	0.00	0.09	626	0.01	0.11	0.00	0.08	626	626	-
Others	0.01	0.21	0.01	0.22	@	0.01	0.18	0.01	0.18	@	@	-
<b>All India</b>	<b>5.65</b>	<b>100.00</b>	<b>4.41</b>	<b>100.00</b>	<b>780</b>	<b>6.16</b>	<b>100.00</b>	<b>5.45</b>	<b>100.00</b>	<b>884</b>	<b>884</b>	<b>9.6</b>

Source: Directorate of Economics & Statistics, DAC&FW

@ - Since area/ production is low in individual states, yield rate is not worked out.

Note: States have been arranged in descending order of percentage share of production during 2015-16.

\* Provisional

# Fourth Advance Estimates.



**Table 4.10(a): Bajra: All-India Area, Production and Yield alongwith coverage under Irrigation**

Year	Area - Million Hectares			
	Production - Million Tonnes			
	Yield - Kg./Hectare			
	Area	Production	Yield	Area Under Irrigation(%)
(1)	(2)	(3)	(4)	(5)
1950-51	9.02	2.60	288	3.4
1951-52	9.52	2.35	246	3.8
1952-53	10.77	3.19	296	3.3
1953-54	12.20	4.55	373	3.1
1954-55	11.37	3.52	310	3.6
1955-56	11.34	3.43	302	3.6
1956-57	11.25	2.87	255	3.1
1957-58	11.17	3.62	324	2.9
1958-59	11.43	3.87	338	3.0
1959-60	10.70	3.49	327	2.5
1960-61	11.47	3.28	286	2.8
1961-62	11.28	3.65	323	2.6
1962-63	10.96	3.96	361	2.7
1963-64	11.10	3.88	349	2.3
1964-65	11.83	4.52	382	2.3
1965-66	11.97	3.75	314	2.8
1966-67	12.24	4.47	365	3.1
1967-68	12.81	5.19	405	3.0
1968-69	12.05	3.80	315	4.1
1969-70	12.49	5.33	426	4.2
1970-71	12.91	8.03	622	4.0
1971-72	11.77	5.32	452	3.7
1972-73	11.82	3.93	333	4.5
1973-74	13.93	7.52	540	4.2
1974-75	11.29	3.27	290	5.5
1975-76	11.57	5.74	496	5.1
1976-77	10.75	5.85	544	4.9
1977-78	11.10	4.73	426	4.4
1978-79	11.39	5.57	489	4.4
1979-80	10.58	3.95	373	5.5
1980-81	11.66	5.34	458	5.5
1981-82	11.78	5.54	470	6.0
1982-83	10.94	5.13	469	6.0
1983-84	11.83	7.72	653	4.8
1984-85	10.62	6.05	569	5.2
1985-86	10.65	3.66	344	5.1
1986-87	11.27	4.51	401	6.0
1987-88	8.71	3.30	378	8.4
1988-89	12.04	7.78	646	5.3

(Contd.)

Table 4.10(a) (Contd.)

Year	Area	Production	Yield	Area Under Irrigation(%)
(1)	(2)	(3)	(4)	(5)
1989-90	10.90	6.65	610	6.3
1990-91	10.48	6.89	658	5.1
1991-92	10.03	4.67	465	6.5
1992-93	10.62	8.88	836	5.8
1993-94	9.55	4.97	521	6.6
1994-95	10.22	7.16	700	5.5
1995-96	9.32	5.38	577	6.2
1996-97	9.98	7.87	788	5.3
1997-98	9.89	7.64	773	5.9
1998-99	9.30	6.96	748	7.0
1999-00	8.90	5.78	650	8.3
2000-01	9.83	6.76	688	8.0
2001-02	9.53	8.28	869	6.3
2002-03	7.74	4.72	610	9.0
2003-04	10.61	12.11	1141	6.3
2004-05	9.23	7.93	859	8.2
2005-06	9.58	7.68	802	9.1
2006-07	9.51	8.42	886	9.6
2007-08	9.57	9.97	1042	10.2
2008-09	8.75	8.89	1015	9.3
2009-10	8.90	6.51	731	9.2
2010-11	9.61	10.37	1079	8.0
2011-12	8.78	10.28	1171	8.1
2012-13	7.30	8.74	1198	9.1
2013-14	7.81	9.25	1184	9.0
2014-15	7.32	9.18	1255	-
2015-16*	6.98	8.06	1154	-

Source: Directorate of Economics & Statistics, DAC&FW

\* 4th Advance Estimates.

**Table 4.10 (b):** Bajra: Area, Production and Yield during 2014-15 and 2015-16 in major Producing States alongwith coverage under Irrigation

State	2015-16#					2014-15					Area Under Irrigation (%) 2013-14*	
	Area	% to All - India	Production	% to All - India	Yield	Area	% to All - India	Production	% to All - India	Yield	Area Under Irrigation (%) 2013-14*	
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	
Rajasthan	4.04	57.92	3.53	43.78	872	4.08	55.72	4.46	48.52	1093	3.4	
Uttar Pradesh	0.98	13.96	1.78	22.03	1821	0.95	13.01	1.81	19.69	1899	10.7	
Gujarat	0.39	5.64	0.79	9.80	2004	0.46	6.29	0.77	8.40	1677	22.3	
Haryana	0.37	5.30	0.65	8.09	1762	0.38	5.23	0.67	7.30	1749	42.2	
Madhya Pradesh	0.27	3.82	0.59	7.30	2203	0.23	3.08	0.45	4.85	1978	0.1	
Maharashtra	0.64	9.15	0.34	4.19	529	0.87	11.82	0.54	5.86	622	5.0	
Tamil Nadu	0.06	0.81	0.15	1.84	2613	0.06	0.79	0.18	1.93	3077	15.4	
Karnataka	0.17	2.41	0.15	1.82	875	0.23	3.20	0.25	2.70	1060	11.9	
Andhra Pradesh	0.04	0.53	0.07	0.81	1757	0.03	0.38	0.04	0.41	1357	22.1	
Jammu & Kashmir	0.02	0.24	0.01	0.12	597	0.02	0.22	0.01	0.10	594	4.1	
Telangana	0.01	0.09	0.01	0.07	1000	0.01	0.15	0.01	0.12	1000	67.5	
Others	0.01	0.13	0.01	0.13	@	0.01	0.12	0.01	0.13	@	-	
All India	6.98	100.00	8.06	100.00	1154	7.32	100.00	9.18	100.00	1255	9.0	

Source: Directorate of Economics &amp; Statistics, DAC&amp;FW

\*@ - Since area/ production is low in individual states, yield rate is not worked out.

Note: States have been arranged in descending order of percentage share of production during 2015-16.

\* Provisional

# Fourth Advance Estimates.

**Table 4.11(a):** Maize: All-India Area, Production and Yield alongwith coverage under Irrigation

Year	Area	Production	Yield	Area - Million Hectares
				Production - Million Tonnes
				Yield - Kg./Hectar
				Area Under Irrigation(%)
(1)	(2)	(3)	(4)	(5)
1950-51	3.16	1.73	547	11.4
1951-52	3.31	2.08	627	16.4
1952-53	3.61	2.87	796	14.0
1953-54	3.87	3.04	785	11.5
1954-55	3.75	2.98	794	14.6
1955-56	3.70	2.60	704	11.8
1956-57	3.76	3.08	819	13.1
1957-58	4.08	3.15	772	13.4
1958-59	4.27	3.46	812	10.5
1959-60	4.34	4.07	938	9.9
1960-61	4.41	4.08	926	12.6
1961-62	4.51	4.31	957	9.5
1962-63	4.64	4.61	992	11.5
1963-64	4.58	4.56	995	11.4
1964-65	4.62	4.66	1010	12.1
1965-66	4.80	4.82	1005	16.1
1966-67	5.07	4.89	964	15.6
1967-68	5.58	6.27	1123	11.9
1968-69	5.72	5.70	997	19.5
1969-70	5.86	5.67	968	18.2
1970-71	5.85	7.49	1279	15.9
1971-72	5.67	5.10	900	14.3
1972-73	5.84	6.39	1094	18.8
1973-74	6.02	5.80	965	14.7
1974-75	5.86	5.56	948	21.0
1975-76	6.03	7.26	1203	16.2
1976-77	6.00	6.36	1060	17.7
1977-78	5.68	5.97	1051	16.3
1978-79	5.76	6.20	1076	16.3
1979-80	5.72	5.60	979	24.0
1980-81	6.01	6.96	1159	20.1
1981-82	5.94	6.90	1162	19.8
1982-83	5.72	6.55	1145	21.7
1983-84	5.86	7.92	1352	16.9
1984-85	5.80	8.44	1456	17.5
1985-86	5.80	6.64	1146	18.7
1986-87	5.92	7.59	1282	21.2
1987-88	5.56	5.72	1029	21.2
1988-89	5.90	8.23	1395	21.0

(Contd.)

Table 4.11(a) (Contd.)

Year	Area	Production	Yield	Area Under Irrigation(%)
(1)	(2)	(3)	(4)	(5)
1989-90	5.92	9.65	1632	20.8
1990-91	5.90	8.96	1518	19.7
1991-92	5.86	8.06	1376	22.5
1992-93	5.96	9.99	1676	21.5
1993-94	6.00	9.60	1602	22.4
1994-95	6.14	8.88	1570	20.5
1995-96	5.98	9.53	1595	22.6
1996-97	6.26	10.77	1720	20.6
1997-98	6.32	10.82	1711	20.6
1998-99	6.20	11.15	1797	21.7
1999-00	6.42	11.51	1792	22.9
2000-01	6.61	12.04	1822	22.4
2001-02	6.58	13.16	2000	20.5
2002-03	6.64	11.15	1681	19.5
2003-04	7.34	14.98	2041	19.1
2004-05	7.43	14.17	1907	20.5
2005-06	7.59	14.71	1938	21.1
2006-07	7.89	15.10	1912	21.5
2007-08	8.12	18.96	2335	23.5
2008-09	8.17	19.73	2414	25.2
2009-10	8.26	16.72	2024	23.8
2010-11	8.55	21.73	2542	24.3
2011-12	8.78	21.76	2478	25.3
2012-13	8.67	22.26	2566	25.4
2013-14	9.07	24.26	2676	27.2
2014-15	9.19	24.17	2632	-
2015-16*	8.69	21.81	2509	

Source: Directorate of Economics & Statistics, DAC&FW

\* 4th Advance Estimates.

**Table 4.11 (b): Maize: Area, Production and Yield during 2014-15 and 2015-16 in major Producing States alongwith coverage under Irrigation**  
 Area - Million Hectares  
 Production - Million Tonnes  
 Yield - Kg/ Hectare

State	2015-16#					2014-15					Area Under Irrigation(%) 2013-14*	
	Area	% to All - India	Production	% to All - India	Yield	Area	% to All - India	Production	% to All - India	Yield		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(12)
Karnataka	1.18	13.57	3.27	14.99	2773	1.34	14.56	4.21	17.43	3152	36.5	36.5
Madhya Pradesh	1.10	12.63	2.58	11.83	2350	1.13	12.32	2.13	8.80	1880	2.5	2.5
Bihar	0.70	8.07	2.40	10.99	3416	0.71	7.69	2.34	9.68	3313	66.0	66.0
Tamil Nadu	0.36	4.19	2.38	10.93	6549	0.32	3.51	2.07	8.55	6423	44.7	44.7
Telangana	0.57	6.59	1.74	7.96	3030	0.69	7.53	2.31	9.55	3335	35.2	35.2
Maharashtra	1.01	11.59	1.51	6.93	1500	1.08	11.73	2.20	9.11	2045	12.7	12.7
Andhra Pradesh	0.23	2.68	1.41	6.48	6069	0.30	3.30	1.94	8.02	6396	76.6	76.6
Uttar Pradesh	0.68	7.81	1.26	5.76	1848	0.72	7.81	1.28	5.29	1784	40.5	40.5
Rajasthan	0.88	10.14	1.21	5.55	1374	0.89	9.71	1.55	6.42	1740	1.5	1.5
West Bengal	0.16	1.79	0.72	3.30	4615	0.15	1.66	0.66	2.74	4351	43.4	43.4
Himachal Pradesh	0.30	3.40	0.67	3.08	2270	0.29	3.19	0.58	2.40	1979	10.5	10.5
Gujarat	0.39	4.45	0.57	2.62	1478	0.38	4.16	0.63	2.61	1652	12.5	12.5
Jammu & Kashmir	0.31	3.52	0.48	2.20	1566	0.30	3.25	0.36	1.49	1204	9.4	9.4
Punjab	0.12	1.32	0.42	1.94	3687	0.13	1.37	0.46	1.90	3651	77.5	77.5
Jharkhand	0.29	3.31	0.38	1.72	1304	0.27	2.94	0.48	1.97	1763	4.3	4.3
Others	0.43	4.92	0.81	3.71	@	0.49	5.28	0.97	4.03	@	-	-
<b>All India</b>	<b>8.69</b>	<b>100.00</b>	<b>21.81</b>	<b>100.00</b>	<b>2509</b>	<b>9.19</b>	<b>100.00</b>	<b>24.17</b>	<b>100.00</b>	<b>2632</b>	<b>27.2</b>	<b>27.2</b>

Source: Directorate of Economics & Statistics, DAC&FW

@ - Since area/ production is low in individual states, yield rate is not worked out.

Note: States have been arranged in descending order of percentage share of production during 2015-16.

\* Provisional # Fourth Advance Estimates.

**Table 4.12(a):** Total Pulses: All-India Area, Production and Yield alongwith coverage under Irrigation

Year	Area - Million Hectares			
	Production - Million Tonnes			
	Yield - Kg./Hectare			
	Area	Production	Yield	Area Under Irrigation(%)
(1)	(2)	(3)	(4)	(5)
1950-51	19.09	8.41	441	9.4
1951-52	18.78	8.42	448	9.7
1952-53	19.84	9.19	463	9.8
1953-54	21.73	10.62	489	9.2
1954-55	21.91	10.95	500	8.8
1955-56	23.22	11.04	476	8.4
1956-57	23.32	11.55	495	7.3
1957-58	22.54	9.56	424	9.1
1958-59	24.31	13.15	541	8.4
1959-60	24.83	11.80	475	8.5
1960-61	23.56	12.70	539	8.0
1961-62	24.24	11.76	485	8.1
1962-63	24.27	11.53	475	8.9
1963-64	24.18	10.07	416	8.9
1964-65	23.88	12.42	520	9.2
1965-66	22.72	9.94	438	9.4
1966-67	22.12	8.35	377	10.9
1967-68	22.65	12.10	534	8.7
1968-69	21.26	10.42	490	9.8
1969-70	22.02	11.69	531	9.4
1970-71	22.54	11.82	524	8.8
1971-72	22.15	11.09	501	8.8
1972-73	20.92	9.91	474	8.1
1973-74	23.43	10.01	427	7.9
1974-75	22.03	10.02	455	8.1
1975-76	24.45	13.04	533	7.9
1976-77	22.98	11.36	494	7.5
1977-78	23.50	11.97	510	7.1
1978-79	23.66	12.18	515	7.9
1979-80	22.26	8.57	385	8.8
1980-81	22.46	10.63	473	9.0
1981-82	23.84	11.51	483	8.5
1982-83	22.83	11.86	519	8.2
1983-84	23.54	12.89	548	7.5
1984-85	22.74	11.96	526	7.9
1985-86	24.42	13.36	547	8.5
1986-87	23.16	11.71	506	9.6
1987-88	21.27	10.96	515	9.4
1988-89	23.15	13.85	598	9.3

(Contd.)

Table 4.12(a) (Contd.)

Year	Area	Production	Yield	Area Under Irrigation(%)
(1)	(2)	(3)	(4)	(5)
1989-90	23.41	12.86	549	10.0
1990-91	24.66	14.26	578	10.5
1991-92	22.54	12.02	533	10.7
1992-93	22.36	12.82	573	10.4
1993-94	22.25	13.30	598	11.3
1994-95	23.03	14.04	610	12.7
1995-96	22.28	12.31	552	12.9
1996-97	22.45	14.15	630	12.7
1997-98	22.87	12.97	567	11.3
1998-99	23.50	14.91	634	12.1
1999-00	21.12	13.42	635	16.1
2000-01	20.35	11.08	544	12.5
2001-02	22.01	13.37	607	13.3
2002-03	20.50	11.13	543	14.4
2003-04	23.46	14.91	635	13.6
2004-05	22.76	13.13	577	14.0
2005-06	22.39	13.38	598	14.5
2006-07	23.19	14.20	612	15.4
2007-08	23.63	14.76	625	15.9
2008-09	22.09	14.57	659	16.5
2009-10	23.28	14.66	630	16.2
2010-11	26.40	18.24	691	14.9
2011-12	24.46	17.09	699	16.1
2012-13	23.26	18.34	789	18.5
2013-14	25.21	19.25	764	19.7
2014-15	23.55	17.15	728	-
2015-16*	25.26	16.47	652	-

Source: Directorate of Economics & Statistics, DAC&FW

\* 4th Advance Estimates.



**Table 4.12 (b):** Total Pulses: Area, Production and Yield during 2014-15 and 2015-16 in major Producing States alongwith coverage under Irrigation  
Area - Million Hectares  
Production - Million Tonnes  
Yield - Kg./ Hectare

State	2015-16#				2014-15				Area Under Irrigation(%) 2013-14*	
	Area	% to All - India	Production	% to All - India	Yield	Area	% to All - India	Production	% to All - India	Yield
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Madhya Pradesh	5.76	22.81	5.12	31.07	888	5.51	23.41	4.83	28.15	876
Rajasthan	3.87	15.33	1.95	11.86	504	3.36	14.28	1.95	11.38	580
Maharashtra	3.36	13.29	1.41	8.56	420	3.41	14.48	2.05	11.97	602
Karnataka	2.78	11.01	1.39	8.43	500	2.32	9.85	1.39	8.10	599
Andhra Pradesh	1.45	5.74	1.23	7.46	846	1.04	4.43	0.95	5.54	911
Uttar Pradesh	1.87	7.38	1.22	7.40	654	2.35	9.98	1.44	8.39	612
Tamil Nadu	0.93	3.67	0.57	3.48	619	0.88	3.75	0.75	4.39	852
Odisha	1.29	5.13	0.55	3.37	428	0.83	3.51	0.44	2.56	532
Jharkhand	0.59	2.35	0.55	3.32	920	0.59	2.53	0.60	3.48	1004
Gujarat	0.60	2.37	0.53	3.23	890	0.59	2.51	0.57	3.35	972
Chhattisgarh	0.84	3.33	0.51	3.11	608	0.90	3.81	0.74	4.29	821
Bihar	0.51	2.00	0.43	2.60	847	0.57	2.44	0.49	2.88	859
West Bengal	0.41	1.63	0.33	2.00	800	0.25	1.07	0.24	1.38	941
Telangana	0.48	1.89	0.24	1.48	509	0.41	1.73	0.26	1.53	645
Haryana	0.07	0.28	0.05	0.29	692	0.08	0.35	0.06	0.33	674
Others	0.45	1.80	0.39	2.35	@	0.44	1.88	0.39	2.26	@
<b>All India</b>	<b>25.26</b>	<b>100.00</b>	<b>16.47</b>	<b>100.00</b>	<b>652</b>	<b>23.55</b>	<b>100.00</b>	<b>17.15</b>	<b>100.00</b>	<b>728</b>
										<b>19.7</b>

Source: Directorate of Economics & Statistics, DAC&FW

@ - Since area/ production is low in individual states, yield rate is not worked out.

Note: States have been arranged in descending order of percentage share of production during 2015-16.

\* Provisional

# Fourth Advance Estimates.

**Table 4.13 (a):** Gram: All-India Area, Production and Yield alongwith coverage under Irrigation

Year	Area	Production	Yield	Area - Million Hectares
				Production - Million Tonnes
				Yield - Kg./Hectare
				Area Under Irrigation(%)
(1)	(2)	(3)	(4)	(5)
1950-51	7.57	3.65	482	12.5
1951-52	6.83	3.39	496	15.1
1952-53	7.26	4.21	580	14.6
1953-54	7.97	4.83	606	14.0
1954-55	9.25	5.62	608	12.8
1955-56	9.78	5.42	554	12.1
1956-57	9.67	6.23	644	10.8
1957-58	9.09	4.89	538	12.5
1958-59	10.08	7.02	697	12.0
1959-60	10.33	5.62	544	12.4
1960-61	9.28	6.25	674	11.9
1961-62	9.57	5.79	605	12.2
1962-63	9.19	5.36	583	13.7
1963-64	9.35	4.50	481	13.7
1964-65	8.87	5.78	651	15.8
1965-66	8.02	4.22	527	16.4
1966-67	8.00	3.62	453	18.8
1967-68	8.26	5.97	723	15.6
1968-69	7.11	4.31	607	18.8
1969-70	7.75	5.55	715	17.3
1970-71	7.84	5.20	663	15.6
1971-72	7.91	5.08	642	15.0
1972-73	6.97	4.54	651	15.6
1973-74	7.76	4.10	528	15.8
1974-75	7.04	4.02	570	17.8
1975-76	8.32	5.88	707	16.5
1976-77	7.97	5.42	680	15.2
1977-78	7.97	5.41	678	14.7
1978-79	7.71	5.74	745	15.6
1979-80	6.99	3.36	481	18.6
1980-81	6.58	4.33	657	20.6
1981-82	7.87	4.64	590	17.9
1982-83	7.40	5.29	715	15.6
1983-84	7.16	4.75	663	14.5
1984-85	6.91	4.56	661	14.8
1985-86	7.80	5.79	742	15.6
1986-87	6.98	4.53	649	19.4
1987-88	5.77	3.63	629	19.2
1988-89	6.81	5.13	753	18.3

(Contd.)

Table 4.13(a) (*Contd.*)

Year	Area	Production	Yield	Area Under Irrigation(%)
(1)	(2)	(3)	(4)	(5)
1989-90	6.47	4.22	652	21.0
1990-91	7.52	5.36	712	20.5
1991-92	5.58	4.12	739	24.2
1992-93	6.45	4.42	684	22.0
1993-94	6.36	4.98	783	24.0
1994-95	7.54	6.44	853	25.3
1995-96	7.12	4.98	700	26.0
1996-97	6.85	5.57	813	25.1
1997-98	7.56	6.13	811	21.8
1998-99	8.47	6.80	803	21.0
1999-00	6.15	5.12	833	29.1
2000-01	5.19	3.86	744	30.9
2001-02	6.42	5.47	853	30.4
2002-03	5.91	4.24	717	32.1
2003-04	7.05	5.72	811	31.0
2004-05	6.71	5.47	815	31.1
2005-06	6.93	5.60	808	31.4
2006-07	7.49	6.33	845	31.2
2007-08	7.54	5.75	762	34.2
2008-09	7.89	7.06	895	33.7
2009-10	8.17	7.48	915	32.4
2010-11	9.19	8.22	894	29.7
2011-12	8.30	7.70	928	33.5
2012-13	8.52	8.83	1036	36.5
2013-14	9.93	9.53	960	35.2
2014-15	8.25	7.33	889	-
2015-16*	8.35	7.17	859	-

Source: Directorate of Economics & Statistics, DAC&FW

\* 4th Advance Estimates.

**Table 4.13 (b):** Gram: Area, Production and Yield during 2014-15 and 2015-16 in major Producing States alongwith coverage under Irrigation  
 Area - Million Hectares  
 Production - Million Tonnes  
 Yield - Kg./ Hectare

State	2015-16#				2014-15				Area Under Irrigation(%) 2013-14*	
	Area	% to All - India	Production	% to All - India	Yield	Area	% to All - India	Production	% to All - India	Yield
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Madhya Pradesh	3.02	36.13	3.27	45.54	1082	2.85	34.58	2.96	40.43	1039
Karnataka	1.37	16.43	0.90	12.51	654	0.94	11.38	0.67	9.19	718
Rajasthan	0.94	11.28	0.80	11.20	852	1.26	15.23	0.91	12.43	725
Maharashtra	1.44	17.26	0.73	10.20	507	1.43	17.30	1.09	14.84	762
Andhra Pradesh	0.47	5.64	0.50	6.97	1062	0.34	4.15	0.39	5.33	1143
Chattisgarh	0.30	3.63	0.22	3.05	722	0.28	3.40	0.29	3.96	1035
Uttar Pradesh	0.27	3.21	0.22	3.01	805	0.56	6.76	0.37	5.02	659
Gujarat	0.12	1.38	0.15	2.13	1330	0.16	1.95	0.20	2.71	1236
Bihar	0.06	0.73	0.06	0.84	983	0.06	0.73	0.06	0.78	958
Telangana	0.07	0.84	0.05	0.68	700	0.06	0.72	0.08	1.10	1373
West Bengal	0.03	0.37	0.04	0.51	1185	0.03	0.32	0.03	0.42	1178
Odisha	0.04	0.47	0.03	0.42	775	0.05	0.57	0.04	0.50	770
Haryana	0.04	0.50	0.03	0.38	643	0.07	0.79	0.04	0.57	646
Others	0.18	2.13	0.18	2.56	@	0.18	2.13	0.20	2.72	@
<b>All India</b>	<b>8.35</b>	<b>100.00</b>	<b>7.17</b>	<b>100.00</b>	<b>859</b>	<b>8.25</b>	<b>100.00</b>	<b>7.33</b>	<b>100.00</b>	<b>889</b>

Source: Directorate of Economics & Statistics, DAC&FW

@ - Since area/ production is low in individual states, yield rate is not worked out.

Note: States have been arranged in descending order of percentage share of production during 2015-16.

\* Provisional

# Fourth Advance Estimates.

**Table 4.14(a):** Tur (Arhar): All-India Area, Production and Yield alongwith coverage under Irrigation

Year	Area - Million Hectares			
	Production - Million Tonnes			
	Yield - Kg./Hectare			
	Area	Production	Yield	Area Under Irrigation(%)
(1)	(2)	(3)	(4)	(5)
1950-51	2.18	1.72	788	0.5
1951-52	2.45	1.83	748	0.5
1952-53	2.40	1.70	709	0.6
1953-54	2.40	1.86	775	0.6
1954-55	2.40	1.72	715	0.5
1955-56	2.29	1.86	814	0.4
1956-57	2.29	1.99	867	0.3
1957-58	2.36	1.48	625	0.5
1958-59	2.47	1.70	688	0.5
1959-60	2.43	1.70	700	0.5
1960-61	2.43	2.07	849	0.5
1961-62	2.45	1.37	559	0.5
1962-63	2.45	1.58	645	0.4
1963-64	2.52	1.38	549	0.4
1964-65	2.58	1.89	733	0.5
1965-66	2.56	1.73	678	0.4
1966-67	2.52	1.13	448	0.7
1967-68	2.67	1.74	653	0.5
1968-69	2.53	1.82	718	0.5
1969-70	2.67	1.84	690	0.3
1970-71	2.66	1.88	709	0.3
1971-72	2.35	1.68	718	0.3
1972-73	2.42	1.93	795	0.4
1973-74	2.65	1.41	532	0.4
1974-75	2.53	1.83	725	0.5
1975-76	2.67	2.10	786	0.4
1976-77	2.57	1.73	672	0.5
1977-78	2.63	1.93	735	0.5
1978-79	2.64	1.89	716	0.8
1979-80	2.73	1.76	643	1.8
1980-81	2.84	1.96	689	2.6
1981-82	3.00	2.24	745	2.1
1982-83	2.93	1.99	680	2.4
1983-84	3.22	2.58	801	3.0
1984-85	3.16	2.58	819	3.9
1985-86	3.18	2.44	767	4.3
1986-87	3.15	2.27	722	4.2
1987-88	3.33	2.28	685	4.9
1988-89	3.49	2.72	779	4.7

(Contd.)

Table 4.14(a) (Contd.)

Year	Area	Production	Yield	Area Under Irrigation(%)
(1)	(2)	(3)	(4)	(5)
1989-90	3.60	2.75	763	5.1
1990-91	3.59	2.41	673	5.5
1991-92	3.63	2.13	588	5.2
1992-93	3.58	2.33	652	4.9
1993-94	3.53	2.69	762	5.0
1994-95	3.31	2.14	644	5.5
1995-96	3.45	2.31	670	5.2
1996-97	3.51	2.66	756	5.4
1997-98	3.36	1.85	551	5.5
1998-99	3.44	2.71	787	4.2
1999-00	3.43	2.69	786	4.4
2000-01	3.63	2.25	618	4.2
2001-02	3.33	2.26	679	4.7
2002-03	3.36	2.19	651	4.6
2003-04	3.52	2.36	670	4.7
2004-05	3.52	2.35	667	4.5
2005-06	3.58	2.74	765	4.0
2006-07	3.56	2.31	650	4.6
2007-08	3.73	3.08	826	4.3
2008-09	3.38	2.27	671	4.7
2009-10	3.47	2.46	711	4.5
2010-11	4.37	2.86	654	4.0
2011-12	4.01	2.65	661	3.8
2012-13	3.89	3.02	776	3.9
2013-14	3.90	3.17	813	4.3
2014-15	3.85	2.81	729	-
2015-16*	3.75	2.46	656	-

Source: Directorate of Economics & Statistics, DAC&FW

\* 4th Advance Estimates.

**Table 4.14 (b): Tur (Arhar): Area, Production and Yield during 2014-15 and 2015-16 in major Producing States alongwith coverage under Irrigation**  
 Area - Million Hectares  
 Production - Million Tonnes  
 Yield - Kg/ Hectare

State	2015-16#				2014-15				Area Under Irrigation(%) 2013-14*	
	Area	% to All - India	Production	% to All - India	Yield	Area	% to All - India	Production	% to All - India	Yield
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Madhya Pradesh	0.58	15.44	0.62	25.40	1079	0.52	13.53	0.51	18.20	981
Maharashtra	1.04	27.71	0.47	19.01	450	1.21	31.43	0.73	25.86	600
Karnataka	0.65	17.28	0.26	10.69	406	0.73	18.91	0.47	16.89	651
Gujarat	0.23	6.05	0.24	9.63	1044	0.21	5.56	0.24	8.37	1098
Uttar Pradesh	0.27	7.07	0.18	7.44	691	0.29	7.45	0.17	6.20	606
Jharkhand	0.19	5.16	0.17	7.06	896	0.20	5.09	0.20	7.11	1018
Andhra Pradesh	0.22	5.87	0.13	5.24	586	0.15	3.92	0.08	2.71	503
Odisha	0.14	3.69	0.12	4.98	886	0.14	3.58	0.12	4.41	898
Telangana	0.25	6.61	0.10	4.23	419	0.22	5.71	0.11	3.88	495
Tamil Nadu	0.06	1.60	0.06	2.34	957	0.07	1.88	0.08	2.74	1064
Bihar	0.02	0.57	0.03	1.31	1511	0.02	0.52	0.03	1.02	1438
Others	0.11	2.95	0.07	2.68	@	0.09	2.41	0.07	2.61	@
<b>All-India</b>	<b>3.75</b>	<b>100.00</b>	<b>2.46</b>	<b>100.00</b>	<b>656</b>	<b>3.85</b>	<b>100.00</b>	<b>2.81</b>	<b>100.00</b>	<b>729</b>
										<b>4.3</b>

Source: Directorate of Economics & Statistics, DAC&FW

@ - Since area/ production is low in individual states, yield rate is not worked out.  
 Note: States have been arranged in descending order of percentage share of production during 2015-16.

\* Provisional  
 # Fourth Advance Estimates.

**Table 4.15(a):** Lentil (Masur): All-India Area, Production and Yield

Year	Area	Production	Area - Million Hectares
			Production - Million Tonnes
(1)	(2)	(3)	Yield - Kg./Hectare
			(4)
1970-71	0.75	0.37	497
1971-72	0.63	0.30	481
1972-73	0.83	0.37	447
1973-74	0.93	0.41	440
1974-75	0.95	0.46	480
1975-76	0.94	0.46	492
1976-77	0.85	0.39	461
1977-78	0.88	0.38	436
1978-79	1.01	0.45	443
1979-80	0.85	0.32	377
1980-81	0.93	0.47	498
1981-82	0.95	0.50	525
1982-83	1.00	0.49	491
1983-84	0.94	0.53	566
1984-85	0.98	0.55	557
1985-86	1.09	0.66	607
1986-87	1.09	0.66	607
1987-88	1.04	0.66	635
1988-89	1.08	0.73	679
1989-90	1.11	0.71	635
1990-91	1.19	0.85	717
1991-92	1.19	0.80	674
1992-93	1.20	0.79	657
1993-94	1.18	0.75	632
1994-95	1.16	0.78	678
1995-96	1.26	0.71	569
1996-97	1.37	0.96	702
1997-98	1.29	0.80	623
1998-99	1.39	0.94	675
1999-00	1.46	1.08	738
2000-01	1.48	0.92	619
2001-02	1.47	0.97	664
2002-03	1.38	0.87	634

(Contd.)



Table 4.15(a) (*Contd.*)

Year	Area	Production	Yield
(1)	(2)	(3)	(4)
2003-04	1.40	1.04	743
2004-05	1.47	0.99	675
2005-06	1.51	0.95	629
2006-07	1.47	0.91	621
2007-08	1.31	0.81	622
2008-09	1.38	0.95	693
2009-10	1.48	1.03	697
2010-11	1.60	0.94	591
2011-12	1.56	1.06	678
2012-13	1.42	1.13	797
2013-14	1.34	1.02	761
2014-15	1.47	1.04	705

Source: Directorate of Economics & Statistics, DAC&FW

**Table 4.15 (b): Lentil (Masur): Area, Production and Yield during 2013-14 and 2014-15 in major Producing States**

State	2014-15				2013-14				Area - Million Hectares	
	Area	% to All - India	Production	% to All - India	Yield	Area	% to All - India	Production	% to All - India	Production - Million Tonnes Yield - Kg./ Hectare
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Madhya Pradesh	0.61	41.76	0.42	40.19	679	0.53	39.55	0.34	33.14	638
Uttar Pradesh	0.44	29.84	0.24	22.71	537	0.45	33.51	0.31	30.39	690
Bihar	0.20	13.35	0.19	18.74	990	0.15	11.49	0.20	19.22	1273
West Bengal	0.07	4.50	0.06	6.09	955	0.07	4.85	0.06	6.08	954
Rajasthan	0.04	2.86	0.04	3.77	929	0.03	2.54	0.03	2.84	853
Assam	0.03	1.98	0.02	2.13	759	0.03	2.24	0.02	2.16	733
Others	0.08	5.72	0.07	6.38	@	0.08	5.82	0.06	6.18	@
<b>All-India</b>	<b>1.47</b>	<b>100.00</b>	<b>1.04</b>	<b>100.00</b>	<b>705</b>	<b>1.34</b>	<b>100.00</b>	<b>1.02</b>	<b>100.00</b>	<b>761</b>

Source: Directorate of Economics & Statistics, DAC&FW

@ - Since area/ production is low in individual states, yield rate is not worked out.

Note: States have been arranged in descending order of percentage share of production during 2014-15.

**Table 4.16(a):** Nine Oilseeds: All-India Area, Production and Yield alongwith coverage under Irrigation  
 Area - Million Hectares  
 Production - Million Tonnes  
 Yield - Kg./Hectare

Year	Area	Production	Yield	Area Under Irrigation(%)
(1)	(2)	(3)	(4)	(5)
1950-51	10.73	5.16	481	NA
1951-52	11.69	5.03	430	NA
1952-53	11.18	4.73	424	0.8
1953-54	10.99	5.37	488	1.0
1954-55	12.52	6.40	511	1.1
1955-56	12.09	5.73	474	2.4
1956-57	12.49	6.36	509	2.7
1957-58	12.66	6.35	502	3.5
1958-59	13.00	7.30	561	3.2
1959-60	13.95	6.56	470	3.1
1960-61	13.77	6.98	507	3.3
1961-62	14.77	7.28	493	3.6
1962-63	15.34	7.39	482	3.3
1963-64	14.82	7.13	481	3.7
1964-65	15.26	8.56	561	3.4
1965-66	15.25	6.40	419	3.7
1966-67	15.00	6.43	428	5.1
1967-68	15.67	8.30	530	5.0
1968-69	14.47	6.85	473	4.8
1969-70	14.81	7.73	522	6.1
1970-71	16.64	9.63	579	7.4
1971-72	17.27	9.08	526	7.7
1972-73	15.79	7.14	452	7.2
1973-74	16.90	9.39	555	8.8
1974-75	17.31	9.15	529	9.2
1975-76	16.92	10.61	627	7.9
1976-77	16.47	8.43	512	7.6
1977-78	17.17	9.66	563	10.4
1978-79	17.71	10.10	570	11.0
1979-80	16.94	8.74	516	12.6
1980-81	17.60	9.37	532	14.5
1981-82	18.91	12.08	639	15.4
1982-83	17.76	10.00	563	15.6
1983-84	18.69	12.69	679	17.0
1984-85	18.92	12.95	684	19.6
1985-86	19.02	10.83	570	17.3
1986-87	18.63	11.27	605	17.9
1987-88	20.13	12.65	629	20.6
1988-89	21.90	18.03	824	22.3

(Contd.)

Table 4.16(a) (Contd.)

Year	Area	Production	Yield	Area Under Irrigation(%)
(1)	(2)	(3)	(4)	(5)
1989-90	22.80	16.92	742	22.1
1990-91	24.15	18.61	771	22.9
1991-92	25.89	18.60	719	25.5
1992-93	25.24	20.11	797	24.1
1993-94	26.90	21.50	799	22.8
1994-95	25.30	21.34	843	25.0
1995-96	25.96	22.11	851	26.0
1996-97	26.31	24.38	927	26.3
1997-98	26.09	21.32	817	24.3
1998-99	26.20	24.75	945	23.2
1999-00	24.26	20.71	854	25.2
2000-01	22.77	18.44	810	23.0
2001-02	22.64	20.66	913	24.3
2002-03	21.49	14.84	691	22.7
2003-04	23.66	25.19	1064	24.5
2004-05	27.52	24.35	885	27.0
2005-06	27.86	27.98	1004	28.4
2006-07	26.51	24.29	916	29.0
2007-08	26.69	29.76	1115	27.2
2008-09	27.56	27.72	1006	27.1
2009-10	25.96	24.88	958	25.9
2010-11	27.22	32.48	1193	24.9
2011-12	26.31	29.80	1133	27.5
2012-13	26.48	30.94	1168	28.2
2013-14	28.05	32.75	1168	27.3
2014-15	25.59	27.51	1075	-
2015-16*	26.13	25.30	968	-

Source: Directorate of Economics & Statistics, DAC&FW

\* 4th Advance Estimates.

NA-Not Available

Note 1: Data for 1950-51 to 1969-70 relate to total of five major oilseeds viz. groundnut, 'castorseed, sesamum, rapeseed & mustard and linseed. After 1969-70 data also include soyabean, sunflower, nigerseed and safflower.

**Table 4.16 (b):** Nine Oilseeds: Area, Production and Yield during 2014-15 and 2015-16 in major Producing States alongwith coverage under Irrigation  
Area - Million Hectares  
Production - Million Tonnes  
Yield - Kg./ Hectare

State	2015-16#					2014-15					Area	
	Area	% to All - India	Production	% to All - India	Yield	Area	% to All - India	Production	% to All - India	Yield	Under Irrigation(%)	2013-14*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Andhra Pradesh	0.91	3.50	0.87	3.45	955	1.07	4.19	0.60	2.17	557	17.6	
Assam	0.31	1.17	0.19	0.73	605	0.31	1.20	0.21	0.75	670	2.5	
Bihar	0.12	0.46	0.13	0.51	1076	0.12	0.45	0.13	0.46	1093	57.4	
Gujarat	2.56	9.79	4.10	16.21	1603	2.55	9.95	4.89	17.76	1920	31.6	
Haryana	0.53	2.02	0.85	3.36	1608	0.51	1.99	0.74	2.70	1456	83.6	
Karnataka	1.33	5.09	0.87	3.43	651	1.37	5.36	0.96	3.49	698	30.0	
Madhya Pradesh	7.34	28.07	6.24	24.68	851	7.07	27.61	7.72	28.08	1093	5.4	
Maharashtra	4.19	16.04	2.38	9.39	566	4.24	16.57	2.85	10.36	672	3.3	
Odisha	0.18	0.68	0.11	0.45	642	0.21	0.83	0.14	0.51	667	16.5	
Punjab	0.05	0.18	0.06	0.24	1318	0.05	0.18	0.06	0.21	1265	89.6	
Rajasthan	4.83	18.50	5.71	22.57	1181	4.46	17.41	5.31	19.32	1192	57.0	
Tamil Nadu	0.41	1.58	0.92	3.63	2230	0.42	1.62	0.99	3.58	2374	64.5	
Telangana	0.45	1.72	0.50	1.96	1105	0.50	1.94	0.63	2.29	1270	41.7	
Uttar Pradesh	1.29	4.94	0.86	3.41	668	1.13	4.40	0.79	2.86	698	48.2	
West Bengal	0.79	3.04	0.94	3.70	1181	0.78	3.03	0.90	3.28	1161	79.3	
Others	0.84	3.22	0.58	2.28	@	0.83	3.26	0.60	2.18	@	-	
<b>All India</b>	<b>26.13</b>	<b>100.00</b>	<b>25.30</b>	<b>100.00</b>	<b>968</b>	<b>25.60</b>	<b>100.00</b>	<b>27.51</b>	<b>100.00</b>	<b>1075</b>	<b>27.3</b>	

Source: Directorate of Economics & Statistics, DAC&FW

@ - Since area/ production is low in individual states, yield rate is not worked out.

Note: States have been arranged in descending order of percentage share of production during 2015-16.

\* Provisional

# Fourth Advance Estimates.

**Table 4.17(a):** Groundnut: All-India Area, Production and Yield alongwith coverage under Irrigation

Year	Area	Production	Yield	Area - Million Hectares
				Production - Million Tonnes
				Yield - Kg./Hectare
				Area Under Irrigation(%)
(1)	(2)	(3)	(4)	(5)
1950-51	4.49	3.48	775	NA
1951-52	4.92	3.19	649	NA
1952-53	4.80	2.93	611	1.2
1953-54	4.25	3.45	811	1.5
1954-55	5.54	4.25	766	1.7
1955-56	5.13	3.86	752	1.7
1956-57	5.53	4.37	783	1.8
1957-58	6.42	4.71	734	2.9
1958-59	6.25	5.18	828	2.5
1959-60	6.44	4.56	708	2.5
1960-61	6.46	4.81	745	3.0
1961-62	6.89	4.99	725	3.4
1962-63	7.28	5.06	695	2.6
1963-64	6.89	5.30	769	3.0
1964-65	7.38	6.00	814	2.9
1965-66	7.70	4.26	554	3.4
1966-67	7.30	4.41	604	4.8
1967-68	7.55	5.73	759	5.4
1968-69	7.09	4.63	653	5.1
1969-70	7.13	5.13	720	5.8
1970-71	7.33	6.11	834	7.5
1971-72	7.51	6.18	823	7.3
1972-73	6.99	4.09	585	6.6
1973-74	7.02	5.93	845	9.1
1974-75	7.06	5.11	724	8.2
1975-76	7.22	6.76	935	6.9
1976-77	7.04	5.26	747	5.9
1977-78	7.03	6.09	866	8.1
1978-79	7.43	6.21	835	9.6
1979-80	7.17	5.77	805	12.1
1980-81	6.80	5.01	736	13.3
1981-82	7.43	7.22	972	14.2
1982-83	7.22	5.28	732	14.8
1983-84	7.54	7.09	940	16.0
1984-85	7.17	6.44	898	16.1
1985-86	7.12	5.12	719	14.8
1986-87	6.98	5.88	841	15.1
1987-88	6.84	5.85	855	19.0
1988-89	8.53	9.66	1132	18.6

(Contd.)

Table 4.17(a) (Contd.)

Year	Area	Production	Yield	Area Under Irrigation(%)
(1)	(2)	(3)	(4)	(5)
1989-90	8.71	8.10	930	17.0
1990-91	8.31	7.51	904	18.6
1991-92	8.67	7.09	818	19.1
1992-93	8.17	8.56	1049	19.7
1993-94	8.32	7.83	941	19.4
1994-95	7.85	8.06	1027	19.9
1995-96	7.52	7.58	1007	18.1
1996-97	7.60	8.64	1138	17.9
1997-98	7.09	7.37	1040	19.5
1998-99	7.40	8.98	1214	19.4
1999-00	6.87	5.25	764	19.0
2000-01	6.56	6.41	977	17.6
2001-02	6.24	7.03	1127	17.3
2002-03	5.94	4.12	694	16.5
2003-04	5.99	8.13	1357	16.6
2004-05	6.64	6.77	1020	17.0
2005-06	6.74	7.99	1187	18.4
2006-07	5.62	4.86	866	20.9
2007-08	6.29	9.18	1459	22.2
2008-09	6.16	7.17	1163	21.2
2009-10	5.48	5.43	991	24.0
2010-11	5.86	8.26	1411	21.8
2011-12	5.26	6.96	1323	24.3
2012-13	4.72	4.70	995	25.3
2013-14	5.51	9.71	1764	25.8
2014-15	4.77	7.40	1552	-
2015-16*	4.56	6.77	1486	-

Source: Directorate of Economics & Statistics, DAC&FW

\* 4th Advance Estimates.

NA-Not Available

**Table 4.17 (b):** Groundnut: Area, Production and Yield during 2014-15 and 2015-16 in major Producing States alongwith coverage under Irrigation

State	2015-16#					2014-15					Area	
	Area	% to All - India	Production	% to All - India	Yield	Area	% to All - India	Production	% to All - India	Yield	Under Irrigation(%) 2013-14*	
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	
(1)												
Andhra Pradesh	0.78	17.01	0.80	11.85	1035	0.87	18.33	0.49	6.66	564	11.4	
Gujarat	1.41	31.04	2.36	34.84	1668	1.40	29.38	3.02	40.78	2154	12.4	
Karnataka	0.59	12.97	0.49	7.16	821	0.65	13.72	0.50	6.78	768	31.7	
Madhya Pradesh	0.24	5.18	0.35	5.17	1483	0.23	4.84	0.37	5.00	1602	9.2	
Maharashtra	0.24	5.27	0.24	3.50	988	0.33	6.86	0.38	5.12	1159	20.8	
Odisha	0.05	1.12	0.06	0.82	1091	0.05	1.02	0.06	0.84	1268	23.4	
Rajasthan	0.52	11.43	1.06	15.60	2028	0.50	10.50	1.01	13.66	2019	82.5	
Tamil Nadu	0.35	7.72	0.88	13.03	2509	0.34	7.06	0.93	12.52	2753	41.0	
Telangana	0.13	2.79	0.21	3.04	1622	0.16	3.25	0.30	4.00	1910	90.8	
Uttar Pradesh	0.10	2.13	0.07	0.96	670	0.10	2.06	0.08	1.14	857	4.0	
Others	0.15	3.33	0.27	4.04	@	0.14	2.97	0.26	3.49	@	-	
All India	4.56	100.00	6.77	100.00	1486	4.77	100.00	7.40	100.00	1552	25.8	

Source: Directorate of Economics &amp; Statistics, DAC&amp;FW

\* @ - Since area/ production is low in individual states, yield rate is not worked out.

Note: States have been arranged in descending order of percentage share of production during 2015-16.

\* Provisional

# Fourth Advance Estimates.



**Table 4.18(a):** Rapeseed & Mustard: All-India Area, Production and Yield alongwith coverage under Irrigation

Year	Area	Production	Yield	Area - Million Hectares
				Production - Million Tonnes
				Yield - Kg./Hectare
				Area Under Irrigation(%)
(1)	(2)	(3)	(4)	(5)
1950-51	2.07	0.76	368	NA
1951-52	2.40	0.94	393	NA
1952-53	2.11	0.86	408	NA
1953-54	2.24	0.87	389	NA
1954-55	2.44	1.04	425	NA
1955-56	2.56	0.86	336	10.4
1956-57	2.54	1.04	411	13.5
1957-58	2.41	0.93	387	13.0
1958-59	2.45	1.04	426	13.0
1959-60	2.91	1.06	365	12.3
1960-61	2.88	1.35	467	12.1
1961-62	3.17	1.35	425	13.2
1962-63	3.13	1.30	417	13.3
1963-64	3.05	0.92	300	16.1
1964-65	2.91	1.47	507	15.2
1965-66	2.91	1.30	446	15.8
1966-67	3.01	1.23	408	20.3
1967-68	3.24	1.57	483	14.8
1968-69	2.87	1.35	469	18.4
1969-70	3.17	1.56	493	23.5
1970-71	3.32	1.98	594	25.2
1971-72	3.61	1.43	396	28.6
1972-73	3.32	1.81	545	26.7
1973-74	3.46	1.70	493	30.4
1974-75	3.68	2.25	612	35.4
1975-76	3.34	1.94	580	31.2
1976-77	3.13	1.55	496	34.4
1977-78	3.58	1.65	460	39.7
1978-79	3.54	1.86	525	39.7
1979-80	3.47	1.43	411	41.9
1980-81	4.11	2.30	560	43.7
1981-82	4.40	2.38	541	44.9
1982-83	3.83	2.21	577	44.0
1983-84	3.87	2.61	673	46.6
1984-85	3.99	3.07	771	53.3
1985-86	3.98	2.68	674	51.3
1986-87	3.72	2.60	700	51.8
1987-88	4.62	3.45	748	54.7
1988-89	4.83	4.38	906	60.0

(Contd.)

Table 4.18(a) (Contd.)

Year	Area	Production	Yield	Area Under Irrigation(%)
(1)	(2)	(3)	(4)	(5)
1989-90	4.97	4.13	831	61.6
1990-91	5.78	5.23	904	59.8
1991-92	6.55	5.86	895	63.9
1992-93	6.19	4.80	776	60.0
1993-94	6.29	5.33	847	59.4
1994-95	6.01	5.76	958	62.4
1995-96	6.55	6.00	916	65.8
1996-97	6.55	6.66	1017	69.1
1997-98	7.04	4.70	668	60.0
1998-99	6.51	5.66	869	58.3
1999-00	6.03	5.79	961	63.2
2000-01	4.48	4.19	936	66.1
2001-02	5.07	5.08	1002	68.3
2002-03	4.54	3.88	854	69.2
2003-04	5.43	6.29	1159	67.0
2004-05	7.32	7.59	1038	72.0
2005-06	7.28	8.13	1117	73.6
2006-07	6.79	7.44	1095	75.6
2007-08	5.83	5.83	1001	76.0
2008-09	6.30	7.20	1143	74.3
2009-10	5.59	6.61	1183	71.9
2010-11	6.90	8.18	1185	69.8
2011-12	5.89	6.60	1121	73.4
2012-13	6.36	8.03	1262	76.5
2013-14	6.65	7.88	1185	76.6
2014-15	5.80	6.28	1083	-
2015-16*	5.76	6.82	1184	-

Source: Directorate of Economics & Statistics, DAC&FW

\* 4th Advance Estimates.

NA- Not Available

**Table 4.18 (b): Rapeseed & Mustard: Area, Production and Yield during 2014-15 and 2015-16 in major Producing States alongwith coverage under Irrigation**  
 Area - Million Hectares  
 Production - Million Tonnes  
 Yield - Kg./ Hectare

State	2015-16#				2014-15				Area Under Irrigation(%) 2013-14*	
	Area	% to All - India	Production	% to All - India	Yield	Area	% to All - India	Production	% to All - India	Yield
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Assam	0.28	4.86	0.17	2.45	596	0.28	4.85	0.19	2.99	667
Bihar	0.09	1.48	0.09	1.36	1081	0.08	1.46	0.09	1.48	1100
Gujarat	0.19	3.30	0.31	4.49	1611	0.19	3.19	0.26	4.19	1422
Haryana	0.51	8.77	0.81	11.80	1594	0.49	8.50	0.71	11.24	1432
Madhya Pradesh	0.62	10.71	0.70	10.26	1135	0.71	12.30	0.72	11.42	1006
Punjab	0.03	0.59	0.04	0.66	1329	0.03	0.53	0.04	0.62	1248
Rajasthan	2.55	44.26	3.27	47.93	1282	2.47	42.67	2.90	46.11	1170
Uttar Pradesh	0.59	10.30	0.60	8.83	1015	0.63	10.79	0.58	9.27	930
West Bengal	0.46	7.95	0.50	7.32	1090	0.45	7.74	0.48	7.64	1069
Others	0.45	7.79	0.33	4.91	@	0.46	7.98	0.32	5.05	@
<b>All India</b>	<b>5.76</b>	<b>100.00</b>	<b>6.82</b>	<b>100.00</b>	<b>1184</b>	<b>5.80</b>	<b>100.00</b>	<b>6.28</b>	<b>100.00</b>	<b>1083</b>
										<b>76.6</b>

Source: Directorate of Economics & Statistics, DAC&FW

@ - Since area/ production is low in individual states, yield rate is not worked out.

Note: States have been arranged in descending order of percentage share of production during 2015-16.

\* Provisional

# Fourth Advance Estimates.

**Table 4.19(a):** Soybean: All-India Area, Production and Yield alongwith coverage under Irrigation

Year	Area	Production	Yield	Area - Million Hectares
				Production - Million Tonnes
				Yield - Kg./ Hectare
				Area Under Irrigation(%)
(1)	(2)	(3)	(4)	(5)
1970-71	0.03	0.01	426	NA
1971-72	0.03	0.01	426	NA
1972-73	0.03	0.03	819	NA
1973-74	0.05	0.04	829	NA
1974-75	0.07	0.05	768	NA
1975-76	0.09	0.09	975	NA
1976-77	0.13	0.12	988	NA
1977-78	0.20	0.18	940	NA
1978-79	0.31	0.30	975	NA
1979-80	0.50	0.28	568	NA
1980-81	0.61	0.44	728	NA
1981-82	0.48	0.35	741	NA
1982-83	0.77	0.49	637	NA
1983-84	0.84	0.61	735	NA
1984-85	1.24	0.95	768	NA
1985-86	1.34	1.02	764	NA
1986-87	1.53	0.89	584	NA
1987-88	1.54	0.90	582	NA
1988-89	1.73	1.55	892	NA
1989-90	2.25	1.81	801	NA
1990-91	2.56	2.60	1015	NA
1991-92	3.18	2.49	782	NA
1992-93	3.79	3.39	894	2.6
1993-94	4.37	4.75	1086	2.5
1994-95	4.32	3.93	911	2.9
1995-96	5.04	5.10	1012	3.7
1996-97	5.44	5.38	989	2.7
1997-98	5.99	6.46	1079	2.6
1998-99	6.49	7.14	1100	2.5
1999-00	6.22	7.08	1138	1.6
2000-01	6.42	5.28	823	1.4
2001-02	6.34	5.96	940	1.7
2002-03	6.11	4.65	762	0.8
2003-04	6.55	7.82	1193	1.4

(Contd.)

Table 4.19(a) (Contd.)

Year	Area	Production	Yield	Area Under Irrigation(%)
(1)	(2)	(3)	(4)	(5)
2004-05	7.57	6.87	908	1.6
2005-06	7.71	8.27	1073	1.7
2006-07	8.33	8.85	1063	1.1
2007-08	8.88	10.97	1235	1.2
2008-09	9.51	9.91	1041	1.0
2009-10	9.73	9.96	1024	0.7
2010-11	9.60	12.74	1327	0.6
2011-12	10.11	12.21	1208	0.6
2012-13	10.84	14.67	1353	0.6
2013-14	11.72	11.86	1012	0.6
2014-15	10.91	10.37	951	-
2015-16*	11.67	8.59	737	-

Source: Directorate of Economics & Statistics, DAC&FW

\* 4th Advance Estimates.

NA- Not Available

**Table 4.19 (b): Soybean: Area, Production and Yield during 2014-15 and 2015-16 in major Producing States alongwith coverage under Irrigation**  
 Area - Million Hectares  
 Production - Million Tonnes  
 Yield - Kg/ Hectare

State	2015-16#				2014-15				Area		
	Area	% to All - India	Production	% to All - India	Yield	Area	% to All - India	Production	% to All - India	Yield	Under Irrigation(%) 2013-14*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Madhya Pradesh	5.91	50.65	4.91	57.13	831	5.58	51.13	6.35	61.26	1139	0.4
Maharashtra	3.77	32.37	2.10	24.46	557	3.64	33.36	2.38	22.99	655	0.4
Rajasthan	1.20	10.33	1.00	11.63	829	0.92	8.46	0.96	9.22	1036	0.4
Karnataka	0.24	2.08	0.14	1.57	558	0.26	2.35	0.19	1.82	738	6.6
Andhra Pradesh	0.00	0.01	0.00	0.01	1000	0.00	0.01	0.00	0.02	2000	1.9
Others	0.53	4.56	0.45	5.19	@	0.51	4.69	0.49	4.68	@	-
<b>All India</b>	<b>11.66</b>	<b>100.00</b>	<b>8.59</b>	<b>100.00</b>	<b>737</b>	<b>10.91</b>	<b>100.00</b>	<b>10.37</b>	<b>100.00</b>	<b>951</b>	<b>0.6</b>

Source: Directorate of Economics & Statistics, DAC&FW

@ - Since area/ production is low in individual states, yield rate is not worked out.

Note: States have been arranged in descending order of percentage share of production during 2015-16.

\* Provisional

# Fourth Advance Estimates.

**Table 4.20(a):** Sunflower: All-India Area, Production and Yield alongwith coverage under Irrigation  
 Area - Million Hectares  
 Production - Million Tonnes  
 Yield - Kg./Hectare

Year	Area	Production	Yield	Area Under Irrigation(%)
(1)	(2)	(3)	(4)	(5)
1970-71	0.12	0.08	653	NA
1971-72	0.12	0.08	653	NA
1972-73	0.12	0.08	653	NA
1973-74	0.24	0.17	712	NA
1974-75	0.34	0.23	671	NA
1975-76	0.32	0.22	686	NA
1976-77	0.26	0.14	541	NA
1977-78	0.27	0.14	523	NA
1978-79	0.18	0.10	543	NA
1979-80	0.06	0.03	519	NA
1980-81	0.12	0.07	555	NA
1981-82	0.28	0.16	564	NA
1982-83	0.46	0.23	497	NA
1983-84	0.70	0.30	431	NA
1984-85	0.84	0.44	527	NA
1985-86	0.75	0.28	374	NA
1986-87	1.02	0.42	411	NA
1987-88	1.65	0.64	385	NA
1988-89	1.10	0.37	335	NA
1989-90	1.19	0.63	529	NA
1990-91	1.63	0.87	535	NA
1991-92	2.11	1.19	565	NA
1992-93	2.09	1.18	567	19.6
1993-94	2.67	1.35	505	17.7
1994-95	2.00	1.22	610	18.2
1995-96	2.12	1.26	593	21.0
1996-97	1.93	1.25	646	21.1
1997-98	1.74	0.89	510	21.6
1998-99	1.82	0.95	521	20.1
1999-00	1.29	0.69	536	23.3
2000-01	1.07	0.65	605	27.6
2001-02	1.18	0.68	577	24.1
2002-03	1.64	0.87	531	22.9

(Contd.)

Table 4.20(a) (Contd.)

Year	Area	Production	Yield	Area Under Irrigation(%)
(1)	(2)	(3)	(4)	(5)
2003-04	2.00	0.93	464	15.4
2004-05	2.16	1.19	549	26.4
2005-06	2.34	1.44	615	24.1
2006-07	2.16	1.23	567	26.2
2007-08	1.91	1.46	765	31.3
2008-09	1.81	1.16	639	30.1
2009-10	1.48	0.85	576	28.7
2010-11	0.93	0.65	699	31.2
2011-12	0.73	0.52	712	32.3
2012-13	0.83	0.54	655	29.0
2013-14	0.67	0.50	750	28.6
2014-15	0.59	0.43	736	-
2015-16*	0.47	0.33	697	-

Source: Directorate of Economics & Statistics, DAC&FW

\* 4th Advance Estimates.

NA- Not Available



**Table 4.20 (b): Sunflower: Area, Production and Yield during 2014-15 and 2015-16 in major Producing States alongwith coverage under Irrigation**  
 Area - Million Hectares  
 Production - Million Tonnes  
 Yield - Kg/ Hectare

State	2015-16#				2014-15				Area	
	Area	% to All - India	Production	% to All - India	Yield	Area	% to All - India	Production	% to All - India	Yield
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Andhra Pradesh	0.03	5.48	0.02	6.95	885	0.05	8.49	0.04	9.21	800
Bihar	0.01	2.57	0.02	5.21	1414	0.01	1.98	0.02	3.83	1429
Haryana	0.02	3.16	0.04	11.49	2533	0.01	1.97	0.03	7.39	2767
Karnataka	0.33	69.15	0.17	49.89	503	0.36	60.44	0.21	47.44	579
Maharashtra	0.03	6.33	0.01	1.81	200	0.08	13.92	0.03	7.60	402
Tamil Nadu	0.01	1.68	0.01	2.62	1089	0.01	1.51	0.01	2.89	1409
Telangana	0.01	2.53	0.02	4.54	1250	0.02	3.06	0.03	5.76	1389
Uttar Pradesh	0.00	0.63	0.01	1.51	1667	0.00	0.51	0.00	0.92	1333
Others	0.04	8.47	0.05	15.97	@	0.05	8.12	0.06	14.95	@
<b>All India</b>	<b>0.47</b>	<b>100.00</b>	<b>0.33</b>	<b>100.00</b>	<b>697</b>	<b>0.59</b>	<b>100.00</b>	<b>0.43</b>	<b>100.00</b>	<b>737</b>
										<b>28.6</b>

Source: Directorate of Economics & Statistics, DAC&FW

@ - Since area/ production is low in individual states, yield rate is not worked out.

Note: States have been arranged in descending order of percentage share of production during 2015-16.

\* Provisional

# Fourth Advance Estimates.

**Table 4.21(a):** Cotton: All-India Area, Production and Yield alongwith coverage under Irrigation  
 Area - Million Hectares  
 Production - Million Bales (170 Kg. of each)  
 Yield - Kg./ Hectare

Year	Area	Production	Yield	Area Under Irrigation(%)
(1)	(2)	(3)	(4)	(5)
1950-51	5.88	3.04	88	8.2
1951-52	6.56	3.28	85	9.1
1952-53	6.36	3.34	89	8.5
1953-54	6.99	4.13	100	8.4
1954-55	7.55	4.45	100	9.8
1955-56	8.09	4.18	88	10.0
1956-57	8.02	4.92	104	11.0
1957-58	8.01	4.96	105	12.7
1958-59	7.96	4.88	104	12.5
1959-60	7.30	3.68	86	12.9
1960-61	7.61	5.60	125	12.7
1961-62	7.98	4.85	103	13.0
1962-63	7.73	5.54	122	14.1
1963-64	8.22	5.75	119	15.3
1964-65	8.37	6.01	122	15.5
1965-66	7.96	4.85	104	15.9
1966-67	7.84	5.27	114	16.1
1967-68	8.00	5.78	123	16.7
1968-69	7.60	5.45	122	16.5
1969-70	7.73	5.56	122	16.4
1970-71	7.61	4.76	106	17.3
1971-72	7.80	6.95	151	20.3
1972-73	7.68	5.74	127	21.0
1973-74	7.57	6.31	142	22.1
1974-75	7.56	7.16	161	22.9
1975-76	7.35	5.95	138	23.5
1976-77	6.89	5.84	144	24.6
1977-78	7.87	7.24	157	26.2
1978-79	8.12	7.96	167	27.2
1979-80	8.13	7.65	160	27.5
1980-81	7.82	7.01	152	27.3
1981-82	8.06	7.88	166	27.7
1982-83	7.87	7.53	163	29.0
1983-84	7.72	6.39	141	29.9
1984-85	7.38	8.51	196	28.5
1985-86	7.53	8.73	197	30.2
1986-87	6.95	6.91	169	31.1
1987-88	6.46	6.38	168	32.0
1988-89	7.34	8.74	202	33.0

(Contd.)

Table 4.21(a) (Contd.)

Year	Area	Production	Yield	Area Under Irrigation(%)
(1)	(2)	(3)	(4)	(5)
1989-90	7.69	11.42	252	34.2
1990-91	7.44	9.84	225	32.9
1991-92	7.66	9.71	216	33.3
1992-93	7.54	11.40	257	34.6
1993-94	7.32	10.74	249	34.7
1994-95	7.87	11.89	257	34.2
1995-96	9.04	12.86	242	35.0
1996-97	9.12	14.23	265	35.8
1997-98	8.87	10.85	208	36.8
1998-99	9.34	12.29	224	34.9
1999-00	8.71	11.53	225	35.2
2000-01	8.53	9.52	190	34.3
2001-02	9.13	10.00	186	34.0
2002-03	7.67	8.62	191	33.1
2003-04	7.60	13.73	307	27.1
2004-05	8.79	16.43	318	34.8
2005-06	8.68	18.50	362	37.3
2006-07	9.14	22.63	421	37.7
2007-08	9.41	25.88	467	37.6
2008-09	9.41	22.28	403	35.8
2009-10	10.13	24.02	403	36.0
2010-11	11.24	33.00	499	33.8
2011-12	12.18	35.20	491	35.9
2012-13	11.98	34.22	486	33.8
2013-14	11.96	35.90	510	32.5
2014-15	12.82	34.80	462	-
2015-16*	11.87	30.15	432	-

Source: Directorate of Economics & Statistics, DAC&FW

\* 4th Advance Estimates.

**Table 4.21 (b):** Cotton: Area, Production and Yield during 2014-15 and 2015-16 in major Producing States alongwith coverage under Irrigation  
 Area - Million Hectares  
 Production - Million Bales (170 kg. each)  
 Yield - Kg./ Hectare

State	2015-16#				2014-15				Area Under Irrigation(%) 2013-14*	
	Area	% to All - India	Production	% to All - India	Yield	Area	% to All - India	Production	% to All - India	Yield
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Andhra Pradesh	0.67	5.61	2.40	7.96	613	0.82	6.40	2.84	8.16	588
Gujarat	2.72	22.91	9.70	32.18	606	2.77	21.63	10.50	30.17	644
Haryana	0.60	5.08	1.35	4.48	381	0.65	5.05	2.30	6.61	603
Karnataka	0.63	5.33	1.60	5.31	430	0.88	6.83	2.31	6.64	449
Madhya Pradesh	0.55	4.61	2.10	6.96	652	0.55	4.27	1.75	5.03	544
Maharashtra	3.83	32.24	6.50	21.56	289	4.19	32.69	7.00	20.11	284
Punjab	0.34	2.86	0.45	1.49	226	0.42	3.28	1.60	4.60	648
Rajasthan	0.45	3.77	1.32	4.38	501	0.49	3.80	1.53	4.39	533
Tamil Nadu	0.14	1.20	0.37	1.22	442	0.19	1.46	0.69	1.97	624
Telangana	1.77	14.94	3.86	12.80	370	1.71	13.36	3.80	10.92	377
Others	1.95	16.39	4.36	14.46	@	1.87	14.60	4.29	12.33	@
<b>All India</b>	<b>11.87</b>	<b>100.00</b>	<b>30.15</b>	<b>100.00</b>	<b>432</b>	<b>12.82</b>	<b>100.00</b>	<b>34.81</b>	<b>100.00</b>	<b>462</b>
										<b>32.5</b>

Source: Directorate of Economics & Statistics, DAC&FW

@ - Since area/ production is low in individual states, yield rate is not worked out.

Note: States have been arranged in descending order of percentage share of production during 2015-16.

\* Provisional

# Fourth Advance Estimates.

**Table 4.22 (a): Jute and Mesta: All-India Area, Production and Yield**

Year	Area	Production	Area - Million Hectares
			Production - Million Bales (180 kg. each)
			Yield - Kg./Hectare
(1)	(2)	(3)	(4)
1950-51	0.57	3.31	1043
1951-52	0.79	4.72	1074
1952-53	0.93	5.32	1028
1953-54	0.68	3.77	992
1954-55	0.68	3.86	1021
1955-56	0.94	5.39	1038
1956-57	1.07	5.81	977
1957-58	1.02	5.33	944
1958-59	1.10	6.91	1130
1959-60	0.98	5.69	1049
1960-61	0.90	5.26	1049
1961-62	1.34	8.24	1104
1962-63	1.24	7.19	1041
1963-64	1.27	7.98	1130
1964-65	1.21	7.66	1136
1965-66	1.11	5.78	936
1966-67	1.12	6.58	1058
1967-68	1.20	7.59	1137
1968-69	0.81	3.84	855
1969-70	1.09	6.79	1120
1970-71	1.08	6.19	1032
1971-72	1.11	6.84	1107
1972-73	0.99	6.09	1104
1973-74	1.16	7.68	1188
1974-75	0.98	5.83	1068
1975-76	0.91	5.91	1164
1976-77	1.09	7.10	1173
1977-78	1.16	7.15	1108
1978-79	1.27	8.33	1186
1979-80	1.22	7.96	1177
1980-81	1.30	8.16	1130
1981-82	1.15	8.37	1311
1982-83	1.02	7.17	1265
1983-84	1.05	7.72	1320
1984-85	1.13	7.79	1242
1985-86	1.50	12.65	1524
1986-87	1.07	8.62	1454
1987-88	0.96	6.78	1274
1988-89	0.92	7.86	1540
1989-90	0.91	8.29	1646

(Contd.)

Table 4.22(a) (Contd.)

Year	Area	Production	Yield
(1)	(2)	(3)	(4)
1990-91	1.02	9.23	1634
1991-92	1.11	10.29	1662
1992-93	0.93	8.59	1658
1993-94	0.89	8.43	1713
1994-95	0.93	9.08	1760
1995-96	0.93	8.81	1712
1996-97	1.10	11.13	1819
1997-98	1.11	11.02	1792
1998-99	1.03	9.81	1722
1999-00	1.04	10.55	1834
2000-01	1.02	10.56	1868
2001-02	1.05	11.68	2007
2002-03	1.04	11.28	1960
2003-04	1.00	11.17	2008
2004-05	0.92	10.27	2019
2005-06	0.90	10.84	2173
2006-07	0.94	11.27	2170
2007-08	0.96	11.21	2101
2008-09	0.90	10.37	2071
2009-10	0.91	11.82	2349
2010-11	0.87	10.62	2197
2011-12	0.90	11.40	2280
2012-13	0.86	10.93	2281
2013-14	0.84	11.68	2512
2014-15	0.81	11.13	2473
2015-16*	0.78	10.47	2416

Source: Directorate of Economics & Statistics, DAC&FW

\* 4th Advance Estimates.

**Table 4.22 (b):** Jute & Mesta: Area, Production and Yield during 2014-15 and 2015-16 in major Producing States

State	2015-16#					2014-15					Area - Million Hectares	
	Area	% to All - India	Production	% to All - India	Yield	Area	% to All - India	Production	% to All - India	Yield	Production - Million Bales (180 kg. each)	Yield - Kg./ Hectare
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)		
West Bengal	0.55	71.03	7.78	74.27	2526	0.58	71.11	8.45	75.95	2642		
Bihar	0.11	14.62	1.58	15.13	2501	0.11	13.70	1.64	14.71	2655		
Assam	0.08	9.74	0.89	8.51	2110	0.08	9.26	0.79	7.12	1903		
Odisha	0.01	1.27	0.06	0.53	1018	0.01	1.48	0.07	0.61	1020		
Andhra Pradesh	0.01	0.64	0.04	0.39	1476	0.01	0.86	0.05	0.45	1286		
Maharashtra	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Meghalaya \$	-	-	-	-	-	0.01	1.23	0.09	0.80	1602		
Others	0.02	2.71	0.12	1.17	@	0.02	2.35	0.04	0.36	@		
<b>All India</b>	<b>0.78</b>	<b>100.00</b>	<b>10.47</b>	<b>100.00</b>	<b>2416</b>	<b>0.81</b>	<b>100.00</b>	<b>11.13</b>	<b>100.00</b>	<b>2473</b>		

Source: Directorate of Economics &amp; Statistics, DAC&amp;FW

‘@’ - Since area/ production is low in individual states, yield rate is not worked out.

Note: States have been arranged in descending order of percentage share of production during 2015-16.

\$ Area and Production figures for 2015-16 are included in Others category

\* Provisional

# Fourth Advance Estimates.

**Table 4.23(a):** Sugarcane: All-India Area, Production and Yield alongwith coverage under Irrigation

Year	Area	Production	Yield	Area - Million Hectares
				Production - Million Tonnes
				Yield - Kg./Hectare
				Area Under Irrigation(%)
(1)	(2)	(3)	(4)	(5)
1950-51	1.71	57.05	33422	67.3
1951-52	1.94	61.63	31786	68.8
1952-53	1.73	51.00	29495	66.3
1953-54	1.41	44.41	31497	67.7
1954-55	1.62	58.74	36303	68.8
1955-56	1.85	60.54	32779	67.2
1956-57	2.05	69.05	33683	64.9
1957-58	2.07	71.16	34325	65.2
1958-59	1.95	73.36	37658	67.4
1959-60	2.14	77.82	36414	67.9
1960-61	2.42	110.00	45549	69.3
1961-62	2.46	103.97	42349	68.0
1962-63	2.24	91.91	40996	67.8
1963-64	2.25	104.23	46353	69.6
1964-65	2.60	121.91	46838	71.5
1965-66	2.84	123.99	43717	71.1
1966-67	2.30	92.83	40336	71.0
1967-68	2.05	95.50	40665	74.1
1968-69	2.53	124.68	49236	76.9
1969-70	2.75	135.02	49121	75.5
1970-71	2.62	126.37	48322	72.4
1971-72	2.39	113.57	47511	71.8
1972-73	2.45	124.87	50933	75.0
1973-74	2.75	140.81	51163	76.5
1974-75	2.89	144.29	49855	77.9
1975-76	2.76	140.60	50903	78.0
1976-77	2.87	153.01	53383	77.2
1977-78	3.15	176.97	56160	78.1
1978-79	3.09	151.66	49114	77.8
1979-80	2.61	128.83	49358	77.2
1980-81	2.67	154.25	57844	81.2
1981-82	3.19	186.36	58359	82.3
1982-83	3.36	189.51	56441	80.5
1983-84	3.11	174.08	55978	80.3
1984-85	2.95	170.32	57673	83.6
1985-86	2.85	170.65	59889	84.5
1986-87	3.08	186.09	60444	85.4
1987-88	3.28	196.74	60006	85.6
1988-89	3.33	203.04	60992	86.2

(Contd.)



Table 4.23(a) (Contd.)

Year	Area	Production	Yield	Area Under Irrigation(%)
(1)	(2)	(3)	(4)	(5)
1989-90	3.44	225.57	65612	86.9
1990-91	3.69	241.05	65395	86.9
1991-92	3.84	254.00	66069	88.0
1992-93	3.57	228.03	63843	88.3
1993-94	3.42	229.66	67120	88.8
1994-95	3.87	275.54	71254	87.9
1995-96	4.15	281.10	67787	87.4
1996-97	4.17	277.56	66496	88.1
1997-98	3.93	279.54	71133	91.3
1998-99	4.05	288.72	71203	91.7
1999-00	4.22	299.32	70934	92.0
2000-01	4.32	295.96	68578	92.1
2001-02	4.41	297.21	67370	91.6
2002-03	4.52	287.38	63576	91.3
2003-04	3.93	233.86	59380	90.7
2004-05	3.66	237.09	64752	92.4
2005-06	4.20	281.17	66919	93.3
2006-07	5.15	355.52	69022	93.8
2007-08	5.06	348.19	68877	93.8
2008-09	4.42	285.03	64553	93.5
2009-10	4.17	292.30	70020	93.8
2010-11	4.88	342.38	70091	92.7
2011-12	5.04	361.04	71668	94.8
2012-13	5.00	341.20	68254	95.2
2013-14	4.99	352.14	70522	95.3
2014-15	5.07	362.33	71512	-
2015-16*	4.95	352.16	71095	-

Source: Directorate of Economics & Statistics, DAC&FW

\* 4th Advance Estimates.

**Table 4.23 (b): Sugarcane: Area, Production and Yield during 2014-15 and 2015-16 in major Producing States alongwith coverage under Irrigation**  
 Area - Million Hectares  
 Production - Million Tonnes  
 Yield - Kg./ Hectare

State	2015-16#					2014-15					Area	
	Area	% to All - India	Production	% to All - India	Yield	Area	% to All - India	Production	% to All - India	Yield	Under Irrigation(%)	2013-14*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(12)
Andhra Pradesh	0.12	2.46	9.31	2.64	76328	0.14	2.74	9.99	2.76	71849	93.7	93.7
Assam	0.03	0.59	1.04	0.30	35931	0.03	0.59	1.10	0.30	36760	1.3	1.3
Bihar	0.25	5.02	14.68	4.17	59024	0.25	5.02	14.03	3.87	55179	79.2	79.2
Gujarat	0.18	3.69	12.96	3.68	70820	0.21	4.11	14.33	3.95	68894	94.5	94.5
Haryana	0.09	1.88	6.51	1.85	70000	0.10	1.91	7.17	1.98	73907	99.9	99.9
Karnataka	0.45	9.08	38.48	10.93	85500	0.48	9.47	43.78	12.08	91200	99.8	99.8
Madhya Pradesh	0.10	2.08	5.03	1.43	48841	0.11	2.19	4.57	1.26	41144	99.7	99.7
Maharashtra	0.99	19.93	72.26	20.52	73207	1.03	20.33	84.70	23.38	82232	100.0	100.0
Odisha	0.01	0.18	0.58	0.16	64415	0.01	0.20	0.72	0.20	71929	100.0	100.0
Punjab	0.09	1.82	6.58	1.87	73067	0.09	1.86	7.04	1.94	74883	97.0	97.0
Tamil Nadu	0.26	5.19	26.50	7.52	102998	0.26	5.19	28.09	7.75	106788	100.0	100.0
Telangana	0.04	0.71	2.42	0.69	69000	0.04	0.75	3.34	0.92	87974	100.0	100.0
Uttar Pradesh	2.17	43.79	145.39	41.28	67029	2.14	42.25	133.06	36.72	62155	94.7	94.7
Uttarakhand	0.10	1.96	5.98	1.70	61608	0.10	2.01	6.17	1.70	60608	98.5	98.5
West Bengal	0.02	0.35	2.08	0.59	119232	0.02	0.35	2.11	0.58	118767	84.6	84.6
Others	0.06	1.27	2.40	0.68	@	0.05	1.03	2.14	0.59	@	-	-
<b>All India</b>	<b>4.95</b>	<b>100.00</b>	<b>352.16</b>	<b>100.00</b>	<b>71095</b>	<b>5.07</b>	<b>100.00</b>	<b>362.33</b>	<b>100.00</b>	<b>71512</b>	<b>95.3</b>	<b>95.3</b>

Source: Directorate of Economics & Statistics, DAC&FW

@ - Since area/ production is low in individual states, yield rate is not worked out.

Note: States have been arranged in descending order of percentage share of production during 2015-16.

\* Provisional

# Fourth Advance Estimates.

**Table 4.24 (a):** Tobacco: All-India Area, Production and Yield alongwith percentage coverage under Irrigation

Year	Area	Production	Yield	Area - Million Hectares
				Production - Million Tonnes
				Yield - Kg./Hectare
				Area Under Irrigation(%)
(1)	(2)	(3)	(4)	(5)
1950-51	0.36	0.26	731	NA
1951-52	0.29	0.21	723	NA
1952-53	0.36	0.25	675	9.7
1953-54	0.37	0.27	737	9.7
1954-55	0.35	0.26	737	10.8
1955-56	0.41	0.30	739	16.9
1956-57	0.42	0.31	728	20.4
1957-58	0.36	0.24	669	22.5
1958-59	0.38	0.32	836	21.0
1959-60	0.41	0.29	716	22.4
1960-61	0.40	0.31	766	21.9
1961-62	0.42	0.34	811	17.9
1962-63	0.41	0.34	842	18.2
1963-64	0.44	0.36	817	15.4
1964-65	0.41	0.36	876	17.0
1965-66	0.38	0.29	778	16.9
1966-67	0.42	0.35	834	17.1
1967-68	0.42	0.37	871	17.4
1968-69	0.44	0.36	821	20.4
1969-70	0.44	0.34	770	19.5
1970-71	0.45	0.36	810	23.7
1971-72	0.46	0.42	914	24.5
1972-73	0.45	0.37	837	26.3
1973-74	0.46	0.46	1001	24.2
1974-75	0.38	0.36	954	21.0
1975-76	0.37	0.35	950	29.8
1976-77	0.43	0.42	969	30.2
1977-78	0.50	0.49	979	23.3
1978-79	0.41	0.45	1109	31.5
1979-80	0.43	0.44	1031	32.6
1980-81	0.45	0.48	1065	33.7
1981-82	0.44	0.52	1172	33.9
1982-83	0.50	0.58	1157	29.6
1983-84	0.44	0.49	1120	34.0
1984-85	0.44	0.49	1113	37.7
1985-86	0.40	0.44	1111	39.9
1986-87	0.39	0.46	1187	40.7
1987-88	0.32	0.37	1155	45.9

(Contd.)

Year	Area	Production	Yield	Area Under Irrigation(%)
(1)	(2)	(3)	(4)	(5)
1988-89	0.38	0.49	1307	42.4
1989-90	0.41	0.55	1335	43.2
1990-91	0.41	0.56	1353	43.2
1991-92	0.43	0.58	1369	39.0
1992-93	0.42	0.60	1425	40.4
1993-94	0.38	0.56	1463	43.7
1994-95	0.38	0.57	1486	45.3
1995-96	0.39	0.54	1356	46.5
1996-97	0.43	0.62	1444	43.8
1997-98	0.46	0.64	1394	39.8
1998-99	0.51	0.74	1451	43.1
1999-00	0.43	0.52	1211	46.0
2000-01	0.26	0.34	1318	52.8
2001-02	0.35	0.55	1565	43.6
2002-03	0.33	0.49	1506	49.0
2003-04	0.37	0.55	1486	48.2
2004-05	0.37	0.55	1498	47.1
2005-06	0.37	0.50	1351	50.3
2006-07	0.37	0.47	1274	47.1
2007-08	0.35	0.44	1255	50.3
2008-09	0.39	0.57	1456	47.1
2009-10	0.44	0.69	1559	45.3
2010-11	0.49	0.80	1632	46.4
2011-12	0.47	0.75	1613	51.0
2012-13	0.43	0.66	1542	54.7
2013-14	0.46	0.74	1612	52.6
2014-15	0.46	0.84	1842	-

*Source:* Directorate of Economics & Statistics, DAC&FW

NA- Not Available

*Note:* Area under Irrigation for previous years have been revised based on the updated information received from the State Departments.

**Table 4.24(b): Tobacco: Area, Production and Yield during 2013-14 and 2014-15 in major Producing States alongwith coverage under Irrigation**  
 Area - '000 Hectares  
 Production - '000 Tonnes  
 Yield - Kg./ Hectare

State	2014-15				2013-14				Area	
	Area	% to All - India	Production	% to All - India	Yield	Area	% to All - India	Production	% to All - India	Yield Under Irrigation(%) 2013-14*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11) (12)
Andhra Pradesh	139.00	30.51	357.00	42.55	2568	143.00	31.37	276.00	37.55	1930 26.1
Gujarat	166.00	36.44	236.00	28.13	1422	137.00	30.05	240.00	32.65	1752 100.1
Uttar Pradesh	31.00	6.81	132.00	15.73	4258	26.00	5.70	57.20	7.78	2200 99.7
Karnataka	94.00	20.64	67.00	7.99	713	109.00	23.91	90.00	12.24	826 3.8
Bihar	10.59	2.33	18.67	2.23	1762	12.11	2.66	23.01	3.13	1900 87.7
Tamil Nadu	5.49	1.21	8.38	1.00	1526	3.73	0.82	5.69	0.77	1525 99.8
Maharashtra	1.00	0.22	2.00	0.24	2000	2.00	0.44	2.00	0.27	1000 16.7
Others	8.45	1.85	17.88	2.13	2117	23.02	5.05	41.12	5.59	1786 -
<b>All India</b>	<b>455.53</b>	<b>100.00</b>	<b>838.93</b>	<b>100.00</b>	<b>1842</b>	<b>455.86</b>	<b>100.00</b>	<b>735.02</b>	<b>100.00</b>	<b>1612 52.6</b>

Source: Directorate of Economics & Statistics, DAC&FW

Note: States have been arranged in descending order of percentage share of production during 2014-15.

\* Provisional

**Table 4.25:** All-India Area, Production and Yield of Guarseed and Sannhemp

Area - '000 Hectares

Yield - Kg/Hectare

Year	Area	Production*	Yield
(1)	(2)	(3)	(4)
<b>Guarseed</b>			
1997-98	2301.2	962.7	418
1998-99	1922.1	488.5	254
1999-00	2933.9	375.1	128
2000-01	3497.4	658.8	188
2001-02	2903.1	1089.9	375
2002-03	975.1	199.2	204
2003-04	2854.0	1513.4	530
2004-05	2867.4	903.3	315
2005-06	2955.5	1059.0	358
2006-07	3343.7	1169.3	350
2007-08	3472.6	1788.5	515
2008-09	3862.5	1935.8	501
2009--10	2995.2	594.7	199
2010-11	3382.2	1965.3	581
2011-12	3449.4	2222.1	644
2012-13	5151.7	2457.8	477
2013-14	5962.5	3587.9	602
2014-15	5345.9	3286.6	615
<b>Sannhemp</b>			
1997-98	54.6	64.5	213
1998-99	47.5	58.9	223
1999-00	49.8	62.1	224
2000-01	56.3	66.5	213
2001-02	50.6	64.7	230
2002-03	45.4	50.9	202
2003-04	37.0	53.3	260
2004-05	35.5	56.7	298
2005-06	33.4	57.4	310
2006-07	32.9	60.9	334
2007-08	32.1	58.0	326
2008-09	27.0	54.7	364
2009--10	24.6	73.7	540
2010-11	28.2	101.4	647
2011-12	21.2	77.6	660
2012-13	17.5	59.1	608
2013-14	16.2	56.6	630
2014-15	11.6	46.8	730

Source: Directorate of Economics &amp; Statistics, DAC&amp;FW

\* Production of Guarseed in '000 Tonnes and for Sannhemp in '000 Bales of 180 Kgs each

**Table 4.26:** Production of Oilseeds & Oils and Net Availability of Edible Oils

Oilseeds / Oils	2004-05		2005-06		2006-07		2007-08		2008-09		2009-10	
	Oilseeds	Oils	Oilseeds	Oils	Oilseeds	Oils	Oilseeds	Oils	Oilseeds	Oils	Oilseeds	Oils
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
<b>A. Primary Source</b>												
Groundnut	67.74	15.58	79.93	18.38	48.64	11.19	91.82	21.12	71.68	16.48	54.29	12.49
Rapeseed & Mustard	75.93	23.54	81.31	25.21	74.38	23.05	58.34	18.08	72.01	22.32	66.08	20.48
Soyabean	68.77	11.00	82.74	13.24	88.51	14.16	109.68	17.55	99.05	15.85	99.65	15.94
Sunflower	11.87	3.92	14.39	4.75	12.28	4.05	14.63	4.83	11.58	3.82	8.51	2.81
Sesamum	6.74	2.09	6.41	1.99	6.18	1.92	7.57	2.35	6.40	1.98	5.88	1.82
Nigerseed	1.12	0.34	1.08	0.32	1.21	0.36	1.1	0.33	1.17	0.35	1.00	0.30
Safflower	1.74	0.52	2.29	0.69	2.40	0.72	2.25	0.68	1.89	0.57	1.79	0.54
Castor	7.93	3.17	9.91	3.96	7.62	3.05	10.53	4.21	11.71	4.68	10.09	4.04
Linseed	1.70	0.51	1.73	0.52	1.68	0.50	1.63	0.49	1.69	0.51	1.54	0.46
Sub Total	243.54	60.67	279.79	69.06	242.89	59.00	297.55	69.64	277.18	66.56	248.83	58.88
<b>B. Secondary Source</b>												
Coconut		5.50		4.20		4.50		4.50		4.50		4.50
Cottonseed		4.30		5.70		6.30		8.00		7.60		8.00
Ricebran		6.20		6.80		7.00		7.20		7.70		7.20
Solvent Extracted Oils		3.50		4.30		3.50		4.00		4.00		4.20
Tree & Forest Origin		0.80		1.30		1.20		1.20		1.20		1.20
Sub Total		20.30		22.30		22.50		24.90		25.20		25.10
Total (A+B)		80.97		91.36		81.50		94.54		91.56		83.98
C. Less: Exports & Industrial Use		8.50		8.20		7.80		8.00		7.00		4.52
D. Net Domestic Availability of Edible Oils		72.47		83.16		73.70		86.54		84.56		79.46
E. Import of Edible Oils \$		45.42		42.88		47.15		56.08		81.83		88.23
F. Total Availability/ Consumption of Edible Oils		117.89		126.04		120.85		142.62		166.39		167.69

(Contd.)

Table 4.26 (Contd.)

Oilseeds / Oils	2010-11		2011-12		2012-13		2013-14		2014-15*		2015-16**	
	Oilseeds (14)	Oils (15)	Oilseeds (16)	Oils (17)	Oilseeds (18)	Oils (19)	Oilseeds (20)	Oils (21)	Oilseeds (22)	Oils (23)	Oilseeds (24)	Oils (25)
<b>A. Primary Source</b>												
Groundnut	82.65	19.01	69.64	16.02	46.95	10.80	97.14	22.34	74.02	17.02	67.71	15.36
Rapeseed & Mustard	81.79	25.35	66.04	20.47	80.29	24.89	78.77	24.42	62.82	19.47	68.21	21.16
Soyabean	127.36	20.38	122.14	19.54	146.66	23.47	118.6	18.97	103.74	16.6	85.92	13.76
Sunflower	6.51	2.15	5.16	1.70	5.44	1.80	5.04	1.66	4.34	1.43	3.31	1.1
Sesamum	8.93	2.77	8.10	2.51	6.85	2.12	7.15	2.21	8.68	2.57	8.66	2.7
Nigerseed	1.08	0.32	0.98	0.29	1.02	0.31	0.98	0.29	0.76	0.23	0.77	0.22
Safflower	1.50	0.45	1.45	0.44	1.09	0.33	1.13	0.31	0.90	0.27	0.64	0.18
Castor	13.50	5.40	22.95	9.18	19.64	7.86	17.27	6.91	18.70	7.48	16.5	5.8
Linseed	1.47	0.44	1.52	0.46	1.49	0.45	1.41	0.41	1.55	0.47	1.32	0.34
Sub Total	324.79	76.27	297.98	70.61	309.43	72.03	327.49	77.52	275.51	65.54	253.04	60.62
<b>B. Secondary Source</b>												
Coconut		4.00	-	4.00	-	3.90	-	5.30	-	4.8	-	4.32
Cottonseed		10.89	-	11.62	-	11.57	-	12.40	-	12.15	-	10.05
Ricebran		7.20	-	7.50	-	7.8	-	8.10	-	9.2	-	9.9
Solvent Extracted Oils		4.20	-	4.10	-	4.10	-	3.10	-	3.00	-	3.5
Tree & Forest Origin		1.20	-	1.20	-	1.20	-	1.20	-	1.6	-	1.5
Sub Total		27.49	-	28.42	-	28.57	-	30.10	-	30.75	-	29.27
Total (A+B)		103.760	-	99.03	-	100.60	-	107.62	-	96.29	-	89.89
C. Less: Exports & Industrial Use		5.94	-	9.46	-	8.41	-	7.10	-	5.94	-	5.5
D. Net Domestic Availability of Edible Oils		97.82	-	89.57	-	92.19	-	101.90	-	92.06	-	86.37
E. Import of Edible Oils \$		72.42	-	99.43	-	106.05	-	109.76	-	138.53	-	148.20
F. Total Availability/ Consumption of Edible Oils		170.24	-	189.00	-	198.24	-	211.66	-	230.59	-	234.57

Source: Directorate of Vanaspathi, Vegetable Oils and Fats

\* Based on final Estimate (released by Ministry of Agriculture and Farmers Welfare on 02.08.2016)

\*\* Based on 4th Advance Estimates (released by Ministry of Agriculture and Farmers Welfare on 02.08.2016)

\$ Directorate General of Commercial Intelligence &amp; Statistics (Department of Commerce)



**Table 4.27:** State wise Quantity of Crude Palm Oil (CPO) under Oil Palm Development Programme (OPDP)

State	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16 (P)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Andhra Pradesh	35509	38000	43593	57402	63487	97987	127570	161566	170478	193562
Karnataka	974	1037	1170	1118	1459	1740	1770	1736	2176	2538
Tamil Nadu	249	273	366	365	486	759	1035	820	1019	1222
Gujarat	Nil	NA	0	0	0	0	0	0	0	0
Odisha	0	NA	476	589	871	2162	443	558	557	618
Goa	345	342	393	279	329	394	372	371	388	581
Tripura	NA	NA	NA	NA	NA	NA	0	0	NA	NA
Assam	0	0	0	0	0	0	0	0	0	0
Kerala	6888	5750	7400	6600	6900	7500	7378	6303	6515	7016
Andaman & Nicobar	0	NA	NA	NA	NA	NA	0	0	NA	NA
Mizoram	0	0	0	0	0	0	0	0	365	432
Telangana	0	0	4770	5100	5655	8494	6825	9373	10012	11289
<b>Total</b>	<b>43965</b>	<b>45403</b>	<b>58167</b>	<b>71453</b>	<b>79187</b>	<b>110541</b>	<b>138567</b>	<b>180727</b>	<b>191510</b>	<b>217258</b>

Source: Department of Agriculture, Cooperation &amp; Farmers Welfare

P Provisional

NA- Not Available

NR- Not Reported

**Table 4.28(a):** State-wise Production of Oil Palm Fresh Fruit Bunches

State	(Production in Tonnes)										
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Andhra Pradesh	215000	226200	259495	347892	385009	573024	790881	933981	1007553	1144092	1144092
Karnataka	5415	5763.65	6685	6387	8337	9942	10112	9917	12638	14740	14740
Tamil Nadu	1584.02	1659	1987	2080	2920	4743	5244	5495	6568	7810	7810
Gujarat	10.25	12	2	6	26	91	134	158	409	523	523
Odisha	0	0	2799	3464	5128	12720	2920	3639	3769	4569	4569
Goa	1951	1936	2236	1591	1878	2229	2056	2046	2146	3217	3217
Tripura	447.12	NA	0	NA	NA	NA	0	0	NA	NA	NA
Assam	0	NR	NR	NR	NR	NR	0	0	0	0	0
Kerala	34496	29300	38400	35100	41000	43200	41350	38350	40798	40611	40611
Andaman & Nicobar	NA	NA	NA	NA	NA	NA	0	0	NA	NA	NA
Mizoram	0	0	2	32	88	480	1339	1544	2096	3753	3753
Telangana	0	0	28190	29937	32176	46779	38624	52752	57873	63508	63508
<b>Total</b>	<b>258903</b>	<b>264871</b>	<b>339797</b>	<b>426488</b>	<b>476561</b>	<b>693207</b>	<b>892660</b>	<b>1047881</b>	<b>1133850</b>	<b>1282823</b>	<b>1282823</b>

Source: Department of Agriculture, Cooperation & Farmers Welfare

P Provisional

NA- Not Available

NR- Not Reported

**Table 4.28(b):** Target and Achievement of Area Expansion under Oil Palm Development Programme (OPDP) of ISOPOM, NMOOP and OPAP (Area in Hectare)

State	2011-12		2012-13		2013-14		2014-15		2015-16(P)	
	Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Andhra Pradesh	40000	12083	27000	12846	18081	10468	14000	9259	12500	5284
Karnataka	7000	4314	5186	2513	6173	2858	3100	1911	2000	1151
Tamil Nadu	7000	2134	5866	1200	6166	1177	1600	398	1511	623
Gujarat	1000	904	1130	377	1253	454	450	281	311	358
Odisha	3700	4300	5000	3150	4000	2000	1246	1246	1744	1013
Goa	20	6	0	0	0	7	20	13	0	9
Tripura	0	0	0	0	0	0	0	0	0	0
Assam	0	0	0	0	0	0	1000	0	560	560
Kerala	250	60	250	36	50	54	500	24	100	5
Maharashtra	200	200	250	194	306	0	0	0	0	0
Mizoram	1000	1970	5000	3711	5000	4532	4000	2789	3361	2981
Chhattisgarh	100	0	250	200	318	212	250	250	1500	1500
Telangana	NA	2417	NA	2073	NA	1421	2000	972	2000	471
Arunachal Pradesh	0	0	0	0	0	0	0	0	1200	330
Nagaland	0	0	0	0	0	0	0	0	550	140
<b>Total</b>	<b>60270</b>	<b>28388</b>	<b>49932</b>	<b>26300</b>	<b>41347</b>	<b>23183.24</b>	<b>28166</b>	<b>17143</b>	<b>27337</b>	<b>14425</b>

Source: Department of Agriculture, Cooperation &amp; Farmers Welfare

P - Provisional NA - Not Available

ISOPOM: Integrated Scheme of Oilseeds, Pulses, Maize and Oil Palm

NMOOP: National Mission on Oilseeds and Oil Palm

OPAP: Oil Palm Area Expansion

**Table 4.28(c):** Area Covered Under Oil Palm Development Programme

State	Area Covered under Oil Palm				Area Uprooted	Net Area (upto March, 2016)	(Area in Hectare)
	Prior to OPDP		Total Cultivated Area				
	(1)	(2)	(3)	(4)			
Andhra Pradesh		1232	144014	145246	5457	145073	
Karnataka		1114	39166	40280	6842	34589	
Tamil Nadu		0	29183	29183	5384	24126	
Gujarat		0	4728	4728	219	4835	
Odisha		0	17677	17677	0	18484	
Goa*		0	938	938	42	911	
Tripura*		0	530	530	0	530	
Assam		0	10	10	0	570	
Kerala		3646	2118	5764	0	5769	
Maharashtra*		1000	474	1474	0	1474	
Andaman & Nicobar*		1593	0	1593	0	1593	
Mizoram		0	22760	22760	0	25741	
Chhattisgarh		0	662	662	0	2162	
Telangana		0	15768	15768	0	16239	
Arunachal Pradesh		0	330	330	0	330	
Nagaland		0	140	140	0	140	
<b>Total</b>		<b>8585</b>	<b>278028</b>	<b>286613</b>	<b>17944</b>	<b>282566</b>	
Area uprooted (presumed)		0	17944	17944	0	0	
Existing Net Area		8585	273981	282566	17944	282566	

Source: Department of Agriculture, Cooperation & Farmers Welfare

\* National Mission on Oilseeds & Oil Palm is not being implemented

#### 4(B) Yield Rates of Principal Crops

Table 4.1.1 : All-India Estimates of Yield of Major Crops

Crops	Season	Yield (Kg/hectare)												
		(1)	(2)	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16*
Rice	Autumn			1349	2804	2892	3107	2186	1776	1938	NA	2158	1645	-
	Winter			1795	2000	1892	1968	1939	2338	2257	NA	NA	2310	-
	Kharif			2199	1963	2138	2054	2053	2050	2399	NA	2434	2335	2310
	Total Kharif			1990	2024	2095	2082	2019	2121	2311	2373	2319	2295	2310
	Rabi/Summer			3127	3130	3149	3010	3055	3173	3238	3353	3232	3291	3376
Wheat	Total			2102	2131	2202	2178	2125	2239	2393	2461	2416	2391	2404
	Rabi			2619	2708	2802	2907	2839	2989	3177	3117	3145	2750	3093
Jowar	Kharif			1082	992	1176	1055	853	1119	1257	1171	1050	1014	893
	Rabi			726	727	894	904	865	827	741	644	896	808	722
Bajra	Total			880	844	1021	962	860	949	957	850	957	884	780
	Kharif			802	886	1042	1015	731	1079	1171	1198	1184	1255	1154
Maize	Kharif			1799	1660	2122	2048	1740	2285	2234	2246	2346	2249	2146
	Rabi/Summer			3076	3793	3854	4387	3694	4003	3765	4152	4050	4414	4134
Ragi	Total			1938	1912	2335	2414	2024	2540	2478	2566	2676	2632	2509
	Kharif			1534	1226	1552	1477	1489	1705	1641	1392	1661	1706	1424
Small Millers	Kharif			443	475	530	491	460	553	565	578	630	654	610
	Rabi			1938	2055	1985	2394	2172	2357	2516	2521	2718	2280	2552
Coarse Cereals	Kharif			1178	1144	1410	1371	1119	1500	1563	1583	1619	1633	1521
	Rabi			1152	1316	1510	1735	1525	1641	1689	1725	2034	1915	1821
	Total			1172	1182	1431	1459	1212	1531	1590	1617	1717	1703	1596

(Contd.)

Table 4.1.1 (Contd.)

Crops	Season	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Cereals	Kharif	1693	1706	1846	1841	1693	1893	2056	2116	2089	2081	2064
	Rabi	2427	2526	2645	2721	2649	2800	2969	2931	2995	2681	2932
	Total	1968	2020	2151	2183	2075	2256	2415	2449	2462	2331	2421
Tur (Arhar)	Kharif	765	650	826	671	711	655	662	776	813	729	656
Pulses Other Than Tur	Kharif	300	349	429	376	244	536	474	477	439	476	404
Gram	Rabi	808	845	762	895	915	895	928	1036	960	889	859
Pulses Other Than Gram	Rabi	610	611	567	642	658	592	669	752	753	771	678
Pulses	Kharif	456	449	557	478	397	578	541	594	580	573	487
	Rabi	727	751	688	804	823	790	831	934	891	843	787
	Total	598	612	625	659	630	691	699	789	764	728	652
Foodgrains	Kharif	1511	1522	1645	1654	1496	1669	1821	1892	1864	1862	1804
	Rabi	2020	2091	2174	2263	2202	2278	2430	2431	2435	2232	2379
	Total	1715	1756	1860	1909	1798	1930	2078	2129	2120	2028	2056

Source: Directorate of Economics &amp; Statistics, DAC&amp;FW

\*4th Advance Estimates.

NA: Not Available.

**Table 4.1.2 : Kharif Foodgrains: State-wise yield**

State/UT	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Andhra Pradesh	2167	2073	2630	2466	1978	2143	2449	2569	2299	2352	2386
Arunachal Pradesh	1201	1204	1234	1249	1568	1674	1780	1803	1818	1915	-
Assam	1409	1210	1283	1514	1647	1783	1673	1875	1885	1936	1915
Bihar	1096	1469	1197	1574	1145	1118	2152	2263	1758	1966	2037
Chhattisgarh	1212	1236	1335	1100	1048	1539	1481	1633	1664	1562	1503
Goa	2793	2440	2254	2454	2131	2452	2564	2583	2814	2902	-
Gujarat	1238	1037	1380	1311	1204	1374	1403	1631	1547	1715	1640
Haryana	2214	2466	2629	2283	2428	2323	2609	2801	2837	2714	2697
Himachal Pradesh	1652	2044	2448	2008	1650	2037	2160	2002	2017	1842	2057
Jammu & Kashmir	1656	1691	1710	1935	1611	1713	1706	2161	1877	1436	1470
Jharkhand	1077	1595	1772	1785	1344	1250	1881	1941	1969	1957	1591
Karnataka	1934	1470	1670	1682	1526	1940	1882	1732	1814	1933	1674
Kerala	2214	2329	2227	2348	2456	2329	2588	2474	2497	2712	2737
Madhya Pradesh	963	792	903	931	902	957	1115	1279	1264	1413	1528
Maharashtra	1077	1093	1272	1084	1085	1329	1374	1281	1412	1104	960
Manipur	2241	2241	2348	2285	1832	2371	2541	2264	2131	2360	-
Meghalaya	1405	1632	1556	1599	1623	1616	1688	1745	2193	2361	-
Mizoram	1745	767	263	887	1014	1223	1351	1779	1503	1609	-
Nagaland	1614	1503	1589	1846	1264	1965	1974	2029	2083	2130	-
Odisha	1346	1352	1486	1342	1385	1410	1258	1575	1582	1730	1254
Punjab	3765	3792	3952	3961	3960	3804	3735	3970	3939	3822	3952
Rajasthan	505	637	820	804	376	864	844	890	789	1000	751

(Contd.)



Table 4.1.2 (Contd.)

State/UT (1)	2005-06 (2)	2006-07 (3)	2007-08 (4)	2008-09 (5)	2009-10 (6)	2010-11 (7)	2011-12 (8)	2012-13 (9)	2013-14 (10)	2014-15 (11)	2015-16* (12)
Sikkim	1403	1403	1451	1397	1588	1523	1516	1547	1585	1586	-
Tamil Nadu	2025	2805	2347	2344	2671	2598	3440	2336	2765	2920	3468
Telanganana	-	-	-	-	-	-	-	-	-	2419	2196
Tripura	2169	2433	2549	2684	2639	2545	2542	2664	2637	2753	-
Uttar Pradesh	1697	1628	1784	1904	1761	1827	2057	2142	2130	1855	1874
Uttarakhand	1551	1606	1633	1580	1577	1535	1670	1693	1725	1796	1835
West Bengal	2350	2356	2302	2415	2371	2457	2520	2551	2559	2495	2657
A & N Islands	2879	2870	3013	2802	2947	2843	2878	2713	2029	2077	-
D & N Haveli	1545	1545	1545	1529	1018	1637	1544	1664	1607	1601	-
Delhi	2054	2492	2372	2403	2210	2365	2279	2308	3435	2995	-
Daman & Diu	2056	2056	1739	2054	1652	1609	1650	1669	1754	2621	-
Puducherry	2372	2372	2488	2308	2459	2558	2488	2794	3535	2737	-
Others	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2096
<b>All India</b>	<b>1511</b>	<b>1522</b>	<b>1645</b>	<b>1654</b>	<b>1496</b>	<b>1669</b>	<b>1821</b>	<b>1892</b>	<b>1864</b>	<b>1862</b>	<b>1804</b>

Source: Directorate of Economics &amp; Statistics, DAC&amp;FW

\*4th Advance Estimates.

# Averaged out in Others

NA- Not Available

Table 4.1.3 : Rabi Foodgrains: State-wise yield

State/UT	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Andhra Pradesh	2669	2452	2590	3123	2677	3052	2622	2805	3108	2966	2713
Arunachal Pradesh	1390	1402	1348	1340	1491	1653	1744	1496	1504	1626	#
Assam	1446	1594	1774	1704	1726	1684	1829	2293	2029	2333	2284
Bihar	1563	1876	1966	1991	1943	1826	2035	2480	2310	1961	2244
Chhattisgarh	572	661	708	702	770	786	797	857	729	1000	775
Goa	1067	1383	1892	1042	1093	1063	839	2073	2462	2098	#
Gujarat	2298	2123	2660	2117	2308	2581	2542	2510	2755	2434	2528
Haryana	3651	4066	3983	4209	4079	4448	4782	4263	4514	3887	4318
Himachal Pradesh	1813	1373	1377	1498	929	1532	1654	1696	1907	1953	1921
Jammu & Kashmir	1740	1829	1713	1671	980	1490	1656	1550	1990	970	1526
Jharkhand	1016	1173	1162	1246	1258	1296	1389	1540	1543	1447	1296
Karnataka	1464	980	1301	1231	1139	1236	1154	1111	1270	1278	983
Kerala	2268	2338	2197	2754	2517	2625	3052	2772	2634	3191	3079
Madhya Pradesh	1234	1398	1174	1306	1475	1271	1711	1874	1765	2095	2160
Maharashtra	778	827	992	915	988	1019	853	719	991	864	615
Manipur		3273		510	510	996	1224	1822	1645	1277	#
Meghalaya	1886	1587	3463	3138	3163	3163	3228	3826	3872	3500	#
Mizoram	1939	1174	1286	1263	2038	1902	1992	1435	1551	1571	#
Nagaland	1622	1414	1188	1304	1077	1528	1528	1978	1475	1512	#
Odisha	1372	4197	1467	1520	1496	1588	1661	1713	1935	1797	1098

(Contd.)

Table 4.1.3 (Contd.)

State/UT	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Punjab	4165	2224	4495	4452	4298	4683	4888	4661	4972	4252	4554
Rajasthan	1998	1142	2013	2370	2456	2115	2390	2458	2221	2362	2642
Sikkim	1142	1923	940	1119	1024	942	1042	1027	1043	1045	#
Tamil Nadu	1203	2304	1437	1817	1827	1759	2317	1499	2032	2264	2373
Telangana	NA	NA	NA	NA	NA	NA	NA	NA	NA	3408	2603
Tripura	2272	2392	2599	2183	2344	2713	2872	2869	2827	2869	#
Uttar Pradesh	2327	1946	2534	2714	2561	2809	2827	2840	2747	2057	2593
Uttarakhand	1544	2858	1969	1880	2022	2217	2291	2302	2323	1830	2130
West Bengal	2593	500	2994	2665	2855	2881	2953	3126	3098	3142	3064
A & N Islands	500	975	571	571	606	442	575	508	807	538	#
D & N Haveli	975	4333	975	974	953	1046	1068	1139	1130	1147	#
Delhi	4290	846	4347	4343	4362	4325	4344	4412	4408	4416	#
Daman & Diu	846	1785	846	846	846	846	NA	NA	NA	NA	#
Puducherry	1785	2091	1455	1973	1935	1920	1545	2309	2710	3445	#
Others	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2096
<b>All India</b>	<b>2020</b>	<b>2091</b>	<b>2174</b>	<b>2263</b>	<b>2202</b>	<b>2278</b>	<b>2430</b>	<b>2431</b>	<b>2435</b>	<b>2232</b>	<b>2379</b>

Source: Directorate of Economics &amp; Statistics, DAC&amp;FW

\*4th Advance Estimates.

# Averaged out in Others

NA- Not Available

Table 4.1.4 : Total Foodgrains: State-wise yield

State/UT	Yield (Kg/hectare)											
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Andhra Pradesh		2365	2231	2613	2744	2294	2530	2519	2670	2661	2648	2555
Arunachal Pradesh		1212	1216	1241	1255	1555	1673	1778	1786	1794	1889	#
Assam		1416	1286	1378	1551	1662	1763	1704	1962	1916	2021	1995
Bihar		1311	1656	1546	1766	1530	1479	2098	2366	2018	1964	2135
Chhattisgarh		1111	1148	1238	1041	1008	1424	1384	1506	1524	1474	1395
Goa		2509	2254	2091	2231	1990	2264	2272	2361	2659	2545	#
Gujarat		1551	1423	1831	1595	1560	1843	1874	1970	2097	2016	1973
Haryana		3045	3393	3420	3388	3383	3526	3879	3689	3855	3427	3665
Himachal Pradesh		1731	1714	1918	1757	1297	1787	1911	1850	1962	1896	1990
Jammu & Kashmir		1680	1733	1711	1851	1405	1639	1690	1962	1915	1275	1490
Jharkhand		1073	1550	1709	1720	1330	1257	1798	1876	1891	1871	1544
Karnataka		1776	1289	1548	1511	1377	1684	1629	1488	1620	1689	1393
Kerala		2219	2331	2221	2440	2470	2399	2695	2547	2530	2823	2819
Madhya Pradesh		1130	1167	1069	1168	1285	1162	1510	1676	1603	1856	1935
Maharashtra		948	940	1150	1001	1039	1184	1155	1038	1207	988	797
Manipur		2241	2241	2297	2236	1796	2244	2397	1926	1745	1509	#
Meghalaya		1455	1800	1774	1783	1809	1803	1873	1997	2387	2532	#
Mizoram		1754	822	285	898	1047	1246	1382	1756	1506	1607	#
Nagaland		1615	1482	1567	1811	1256	1958	1967	2027	2018	2065	#
Odisha		1349	1369	1484	1363	1262	1432	1303	1592	1625	1738	1226

(Contd.)

Table 4.1.4 (Contd.)

State/UT	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Punjab	3986	1359	4255	4231	4144	4280	4364	4347	4500	4054	4273
Rajasthan	919	4017	1180	1263	931	1249	1348	1480	1334	1529	1393
Sikkim	1354	991	1378	1351	1496	1448	1495	1608	1577	1579	#
Tamil Nadu	1847	1354	2125	2225	2477	2393	3162	2131	2554	2720	3090
Telangana	NA	NA	NA	NA	NA	NA	NA	NA	NA	2723	2300
Tripura	2194	2610	2563	2526	2544	2587	2620	2711	2680	2783	#
Uttar Pradesh	2057	2399	2206	2365	2236	2386	2498	2542	2484	1972	2278
Uttarakhand	1548	2057	1785	1715	1780	1841	1945	1962	1995	1811	1967
West Bengal	2423	1760	2525	2493	2522	2601	2645	2717	2721	2698	2783
A & N Islands	2713	2511	2485	2343	2399	2282	2512	2413	1930	1783	#
D & N Haveli	1445	2746	1445	1434	1006	1533	1453	1585	1534	1531	#
Delhi	3175	1445	3340	3348	3649	3647	3567	3531	4057	3908	#
Daman & Diu	1548	3405	1417	1740	1361	1333	1650	1669	1754	2621	#
Puducherry	2180	1548	2130	2201	2297	2351	2269	2650	3043	2899	#
Others	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2181
<b>All India</b>	<b>1715</b>	<b>1756</b>	<b>1860</b>	<b>1909</b>	<b>1798</b>	<b>1930</b>	<b>2078</b>	<b>2129</b>	<b>2120</b>	<b>2028</b>	<b>2056</b>

Source: Directorate of Economics &amp; Statistics, DAC&amp;FW

\*4th Advance Estimates.

# Averaged out in Others

NA- Not Available

Table 4.1.5 : Rice: State-wise Yield

State/UT (1)	Season (2)	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16*
		(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Andhra Pradesh	Kharif	2525	2631	3177	2990	2742	2570	2980	2882	2552	2594	2935
	Rabi	3659	3682	3651	3700	3543	3777	3543	3806	3496	3943	4440
	Total	2939	2984	3344	3246	3062	3035	3148	3173	2921	3022	3466
Arunachal Pradesh	Kharif	1195	1195	1275	1293	1777	1925	2065	2086	2092	2241	#
	Autumn	999	887	983	1069	966	1137	1217	1296	1753	1431	-
	Winter	1520	1302	1359	1616	1796	1910	1757	1968	1921	1975	-
	Kharif>Total	1421	1218	1293	1525	1662	1799	1688	1892	1903	1923	1913
	Summer	1779	2019	2266	2133	2185	2082	2297	2965	2572	2940	2960
	Total	1468	1332	1428	1614	1737	1843	1780	2061	2012	2093	2084
Bihar	Autumn	940	962	635	1331	947	896	1399	1521	1142	1194	-
	Winter	1090	1584	1332	1647	1132	1100	2322	2420	1865	2108	-
	Kharif>Total	1064	1486	1226	1596	1101	1063	2160	2268	1741	1941	2007
	Summer	1369	1499	1561	1689	1737	2085	1912	2719	2342	2207	2423
	Total	1075	1486	1237	1599	1120	1095	2155	2282	1759	1948	2019
Chattisgarh	Kharif	1337	1354	1446	1176	1120	1663	1597	1746	1766	1660	1597
Goa	Autumn	2866	2406	2277	2335	1900	2358	2521	2599	2828	2919	#
	Winter	2731	2566	2430	2752	2600	2677	2688	2853	3202	2777	#
	Total Kharif	2822	2458	2330	2466	2136	2467	2577	2679	2954	2871	#
Gujarat	Kharif	1949	1799	1895	1698	1866	1956	2024	2095	2038	2297	2150
	Summer	-	-	2970	3080	3048	908	3190	4586	3000	3129	3029
	Total	1949	1894	1942	1744	1903	1852	2141	2198	2076	2329	2189

(Contd.)

Table 4.1.5 (Contd.)

State/UT (1)	Season (2)	2005-06 (3)	2006-07 (4)	2007-08 (5)	2008-09 (6)	2009-10 (7)	2010-11 (8)	2011-12 (9)	2012-13 (10)	2013-14 (11)	2014-15 (12)	2015-16* (13)
Haryana	Kharif	3051	3238	3361	2726	3008	2789	3044	3272	3256	3113	3061
	Kharif	1412	1559	1546	1523	1381	1673	1705	1629	1625	1728	1588
	Kharif	2150	2194	2133	2186	1914	1942	2078	3126	2250	1871	1553
Jammu & Kashmir	Autumn	628	-	-	-	-	-	2131	2238	2238	-	-
	Winter	1223	-	-	-	-	-	NA	NA	NA	-	-
Karnataka	Kharif	1150	1832	2024	2036	1547	1541	2131	2238	2238	2238	1814
	Rabi	-	-	1000	1504	1504	-	NA	NA	NA	-	-
	Total	1150	1828	2018	2031	1546	1541	2131	2238	2238	2238	1814
Kerala	Kharif	3657	2402	2545	2412	2345	2705	2717	2545	2545	2573	2494
	Rabi	3200	2227	2100	2146	2237	2189	2186	1588	1588	2458	2982
	Summer	4574	2761	2948	2883	2945	2838	3227	3381	3433	3058	-
Maharashtra	Rabi/ Summer	4423	2690	2855	2805	2875	2759	3077	3030	3077	2969	-
	Total	3868	2470	2625	2511	2482	2719	2793	2632	2666	2670	2547
	Autumn	2162	2264	2169	2428	2486	2415	2519	2548	2625	2890	-
Madhya Pradesh	Winter	2299	2408	2371	2370	2533	2348	2675	2451	2426	2596	-
	Kharif	2246	2352	2286	2395	2514	2377	2609	2492	2511	2719	2740
	Summer	2726	2622	2407	2980	2719	2689	3155	2847	2682	3234	3141
Odisha	Total	2284	2390	2310	2519	2557	2452	2733	2577	2551	2836	2834
	Kharif	999	824	938	927	872	1106	1340	1474	1474	1684	1768
	Kharif	1770	1669	1898	1489	1474	1766	1837	1965	1924	1880	1696
Tamil Nadu	Rabi	2098	2105	2128	2273	2250	2219	2074	1897	2289	2581	2444
	Total	1779	1680	1903	1501	1485	1776	1841	1963	1934	1899	1714

(Contd.)

Table 4.1.5 (Contd.)

State/UT	Season	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Manipur	Kharif	2322	2322	2446	2357	1889	2453	2642	2546	2201	2678	#
Meghalaya	Kharif	1432	1695	1602	1651	1673	1671	1752	1807	2241	1308	#
	Rabi	2214	4000	4147	3641	3679	3705	3762	4510	4326	1488	#
	Total	1508	1916	1880	1886	1910	1912	1988	2125	2493	2436	#
Mizoram	Kharif	1770	510	285	882	938	1160	1392	2091	1521	4603	#
	Rabi	2600	1682	1000	2000	1500	NA	3000	1933	1600	2703	#
	Total	1778	559	288	885	939	1160	1411	2088	1522	1634	#
Nagaland	Kharif	1682	1600	1685	1994	1426	2102	2106	2204	2260	2319	#
Odisha	Autumn	872	1011	1097	1040	900	831	778	948	762	820	-
	Winter	1623	1580	1750	1541	1635	1658	1433	1849	1857	2076	-
	Kharif Total	1482	1476	1633	1455	1512	1516	1340	1715	1697	1886	1373
	Summer	2163	2293	2447	2451	2713	2959	3213	3165	3422	3342	3346
	Total	1531	1534	1694	1529	1585	1616	1450	1814	1821	1992	1491
Punjab	Kharif	3858	3868	4019	4022	4010	3828	3741	3998	3952	3838	3974
Rajasthan	Kharif	1425	1577	2031	1807	1515	2025	1886	1771	2147	2186	2022
	Kharif	1433	1433	1636	1476	1869	1727	1730	1790	1815	1818	#
Sikkim	Autumn	3655	4914	4044	3850	4406	4362	5623	3893	4448	4578	-
Tamil Nadu	Winter	2338	3144	2587	2464	2820	2792	3599	2492	2848	2931	-
	Kharif Total	2483	3339	2748	2617	2994	2965	3821	2646	3024	3113	3822
	Summer	3216	4325	3559	3389	3878	3838	4950	3426	3916	4031	4950
	Total	2546	3423	2817	2683	3070	3040	3918	2772	3100	3191	3918

(Contd.)



Table 4.1.5 (Contd.)

State/UT (1)	Season (2)	2005-06 (3)	2006-07 (4)	2007-08 (5)	2008-09 (6)	2009-10 (7)	2010-11 (8)	2011-12 (9)	2012-13 (10)	2013-14 (11)	2014-15 (12)	2015-16* (13)
Telangana	Kharif	-	-	-	-	-	-	-	-	-	2990	2935
	Rabi/Summer	-	-	-	-	-	-	-	-	-	3414	2566
	Total	-	-	-	-	-	-	-	-	-	3138	2830
Tripura	Autumn	1705	1915	2172	2465	2189	2424	2432	2548	2596	2690	#
	Winter	2384	2678	2687	2788	2772	2638	2647	2773	2773	2873	#
	Kharif Total	2225	2500	2609	2747	2698	2602	2611	2736	2743	2843	#
	Summer	2372	2392	2698	2234	2409	2817	2992	3020	2995	3087	#
	Total	2260	2472	2633	2586	2606	2655	2700	2800	2800	2903	#
Uttar Pradesh	Kharif	1996	1878	2062	2171	2083	2120	2357	2459	2446	2070	2130
	Rabi/Summer	2179	2278	2526	2091	2270	2316	2458	2583	2593	2500	2533
	Total	1996	1879	2063	2171	2084	2120	2358	2460	2447	2072	2132
Uttarakhand	Kharif	1925	1952	1993	1907	2025	1820	2056	2152	2233	2260	2344
	Zaid/Rabi	2889	2875	3308	3067	2813	3309	3357	3208	3327	3148	3143
	Total	1954	1979	2052	1966	2068	1901	2121	2206	2289	2307	2386
West Bengal	Autumn	2102	2026	2009	2069	2181	2138	2213	2297	2612	2278	-
	Winter	2397	2411	2350	2465	2408	2507	2565	2596	NA	2536	-
	Kharif Total	2378	2386	2327	2439	2396	2485	2547	2581	2612	2526	2735
A & N Islands	Summer	2928	3226	3259	2800	2991	3039	3174	3372	3366	3377	3380
	Total	2509	2593	2573	2533	2547	2639	2688	2760	2788	2730	2883
	Kharif	2896	2896	3000	2797	3059	2851	2960	2739	2029	2040	#
D & N Haveli	Kharif	1743	1743	1743	1721	1076	1930	1739	1928	1876	1867	#
	Kharif	3200	4203	4243	4243	2834	2787	2885	2935	4906	4288	#

(Contd.)

Table 4.1.5 (Contd.)

State/UT	Season	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Daman & Diu Puducherry	Kharif	2056	2056	1750	2111	1650	1650	1650	1712	1805	2270	#
	Autumn	2810	2810	2932	2733	2903	2875	3017	3270	3554	3247	#
	Winter	2195	2195	2465	2142	2272	2435	2273	2602	2867	2928	#
	Kharif Total	2387	2387	2595	2310	2458	2561	2490	2792	3056	3020	#
Others	Summer	2719	2719	2696	2860	2647	2712	2886	3075	3438	3621	#
	Total	2465	2465	2618	2442	2504	2596	2538	2857	3147	3164	#
	Kharif	-	-	-	-	-	-	-	-	NA	NA	2389
	Rabi	-	-	-	-	-	-	-	-	NA	NA	2130
All India	Total	-	-	-	-	-	-	-	-	NA	NA	2425
	Autumn	1349	2804	2892	3107	2186	1776	1938	1674	1891	1645	-
	Winter	1795	2000	1892	1968	1939	2338	2257	2283	2219	2310	-
	Kharif	2199	1963	2138	2054	2053	2051	2399	2477	2434	2335	2310
	Kharif Total	1990	2024	2095	2082	2019	2121	2311	2373	2319	2295	2310
	Summer/rabi	3127	3130	3149	3010	3055	3176	3238	3353	3232	3291	3376
	Total	2102	2131	2202	2178	2125	2239	2393	2461	2416	2391	2404

Source: Directorate of Economics &amp; Statistics, DAC&amp;FW

\*4th Advance Estimates.

# Averaged out in Others

NA: Not Available.

**Table 4.1.6 :** Wheat: State-wise Yield

State/ UT	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Andhra Pradesh	818	900	889	1143	1000	1300	1375	1250	500	NA	NA
Arunachal Pradesh	1525	1575	1472	1576	1505	1595	1757	1498	1510	1974	#
Assam	1074	1117	1268	1090	1087	1179	1147	1304	1292	1216	1167
Bihar	1617	1908	2058	2043	2084	1948	2206	2427	2358	1851	2205
Chhatisgarh	886	1002	1059	1040	1086	1144	1227	1396	1304	1388	1270
Gujarat	2700	2498	3013	2377	2679	3155	3014	2875	3255	2751	2919
Haryana	3844	4232	4158	4390	4213	4624	5030	4452	4722	3981	4407
Himachal Pradesh	1894	1385	1376	1520	928	1530	1671	1671	1873	1957	1968
Jammu & Kashmir	1790	1893	1782	1735	1003	1535	1689	1595	2061	979	1550
Jharkhand	1340	1529	1621	1541	1738	1642	1908	1944	2123	1931	1701
Karnataka	858	762	946	918	887	1094	858	796	1005	1318	1012
Madhya Pradesh	1613	1835	1612	1723	1967	1757	2360	2478	2405	2850	2993
Maharashtra	1393	1325	1659	1483	1610	1761	1558	1528	1460	1226	1205
Meghalaya	1714	2000	1833	1750	1773	1791	1564	1806	1881	1909	#
Nagaland	1583	867	1067	1500	1200	1712	1711	1801	1823	1824	#
Odisha	1364	1487	1554	1396	1450	1458	1644	1894	1574	1650	1146
Punjab	4179	4210	4507	4462	4307	4693	4898	4724	5017	4294	4596
Rajasthan	2762	2751	2749	3175	3133	2910	3175	3028	3083	2961	3175
Sikkim	1385	1385	1000	1345	1135	1023	1060	1058	1083	1077	#

(Contd.)

Table 4.1.6 (Contd.)

State/ UT	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Telangana	NA	NA	NA	NA	NA	NA	NA	NA	NA	1167	1000
Tripura	2636	1800	1900	2000	1984	2025	2000	2000	2000	2143	#
Uttar Pradesh	2627	2721	2817	3002	2846	3113	3113	3113	3038	2277	2786
Uttarakhand	1633	2049	2050	2003	2139	2316	2379	2396	2422	1881	2225
West Bengal	2109	2282	2602	2490	2680	2760	2765	2786	2791	2807	2825
D & N Haveli	1833	1833	1833	1833	1500	2231	1929	2000	2000	2071	#
Delhi	4339	4341	4354	4351	4352	4340	4349	4406	4418	4419	#
Others	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4109
<b>All India</b>	<b>2619</b>	<b>2708</b>	<b>2802</b>	<b>2907</b>	<b>2839</b>	<b>2989</b>	<b>3177</b>	<b>3117</b>	<b>3145</b>	<b>2750</b>	<b>3093</b>

Source: Directorate of Economics &amp; Statistics, DAC&amp;FW

\*4th Advance Estimates.

# Averaged out in Others

NA: Not Available.

Table 4.1.7 : Bajra: State-wise Yield

State/ UT	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Andhra Pradesh	1012	770	1243	1017	1178	1507	1349	1657	1597	1357	1757
Bihar	1070	1073	1111	1200	1108	1102	1113	1142	1136	1134	1133
Gujarat	1169	1088	1419	1365	1232	1250	1419	1743	1743	1677	2004
Haryana	1147	1649	1843	1769	1593	1793	2040	1910	2057	1749	1762
Himachal Pradesh	333	500	500	500	1083	500	542	555	545	537	499
Jammu & Kashmir	600	591	595	592	629	598	591	598	595	594	597
Jharkhand	500	500	0	1000	574	704	520	474	515	500	458
Karnataka	977	483	824	703	502	1081	972	1036	1182	1060	875
Madhya Pradesh	1491	1365	1402	1373	1495	1898	1924	1568	2003	1978	2203
Maharashtra	720	729	878	765	741	1085	982	637	1034	622	529
Nagaland	1000	NA	NA	NA	NA	857	862	1015	1014	1014	#
Nagaland	552	583	593	600	604	636	615	610	611	613	611
Punjab	1000	1000	1000	1000	1333	1000	1000	1000	1000	NA	NA
Rajasthan	556	701	832	828	394	832	915	972	818	1093	872
Tamil Nadu	1158	1511	1435	1483	1512	1564	2452	1326	2158	3077	2613
Telangana	kharif	NA	NA	NA	NA	NA	NA	NA	NA	1000	1000
	Rabi	NA	NA	NA	NA	NA	NA	NA	NA	-	-
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	1000	1000
Uttar Pradesh	1434	1455	1520	1609	1638	1665	1839	1951	2033	1899	1821
West Bengal	NA	NA	NA	0	434	375	367	429	286	313	306
Puducherry	2500	2500	1000	1000	1850	2324	2667	#	NA	#	#
Delhi	1824	1813	1875	1933	1917	1852	1868	1875	2513	2132	#
Daman & Diu	NA	NA	NA	2000	1667	1333	NA	1361	1393	3922	#
Others	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1945
<b>All India</b>	<b>802</b>	<b>886</b>	<b>1042</b>	<b>1015</b>	<b>731</b>	<b>1079</b>	<b>1171</b>	<b>1198</b>	<b>1184</b>	<b>1255</b>	<b>1154</b>

Source: Directorate of Economics &amp; Statistics, DAC&amp;FW

\*4th Advance Estimates. # Averaged out in Others NA: Not Available.

Table 4.1.8: Maize: State-wise Yield

State/ UT	Season	Yield (Kg/hectare)											
		2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16*	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	
Andhra Pradesh	Kharif	3538	2402	4125	3147	1986	3730	2812	4145	3487	3290	3680	
	Rabi	5994	6195	5543	7302	6281	7615	6502	6174	6558	7926	7203	
	Total	4073	3396	4607	4873	3527	5317	4234	4995	4833	6396	6069	
Arunachal Pradesh	Kharif	1373	1363	1338	1365	1363	1397	1434	1423	1423	1533	#	
	Rabi	1474	1452	1410	1400	1485	1690	1736	1496	1681	1684	#	
	Total	1382	1371	1344	1371	1380	1435	1473	1436	1467	1563	#	
Assam	Kharif	721	778	722	724	726	722	719	897	898	3333	2560	
Bihar	Autumn	1518	1532	956	1518	1773	1806	2358	2476	2103	2476	2619	
	Rabi	2641	3597	2766	3394	2660	2467	2404	4309	3358	3854	3948	
	Garma	2385	3249	3741	NA	NA	NA	NA	NA	NA	NA	NA	
Chattisgarh	Total	2098	2678	2274	2676	2341	2230	2386	3611	2884	3313	3416	
	Kharif	1076	1225	1567	1402	1399	1807	1654	1936	2062	1886	1693	
	Kharif	5000	5000	5000	6000	6000	NA	NA	NA	NA	NA	#	
Goa	Kharif	1124	698	1375	1439	964	1636	1393	1676	1267	1558	1326	
	Rabi	NA	NA	NA	1700	1593	1645	1915	1953	2023	2000	1989	
	Total	NA	NA	NA	1481	1072	1637	1523	1727	1477	1652	1478	
Haryana	Kharif	2125	2286	2643	2159	2250	1900	2667	2556	3000	2250	2833	
Himachal Pradesh	Kharif	1839	2326	2873	2273	1839	2263	2432	2233	2228	1979	2270	
Jammu & Kashmir	Kharif	1413	1505	1569	2005	1566	1712	1608	1648	1776	1204	1566	
	Autumn	1309	1203	1500	1346	1100	1181	1473	1790	2017	1768	1294	
	Rabi	1622	1806	1722	2123	1858	2061	1970	2689	1807	1530	1974	
Jharkhand	Total	1315	1230	1509	1407	1168	1215	1492	1812	2012	1763	1304	

(Contd.)

Table 4.1.8 (Contd.)

State/ UT	Season	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Karnataka	Kharif	2919	2839	2893	2821	2415	3515	3022	2563	2872	3131	2739
	Rabi	3000	2658	3231	2861	2500	2845	3084	3106	3099	3354	3098
	Summer	2000	3125	3300	3143	2750	3323	NA	NA	NA	NA	NA
	Total	2915	2829	2924	2833	2430	3450	3028	2629	2894	3152	2773
Madhya Pradesh	Kharif	1450	976	1288	1361	1256	1266	1492	1790	1767	1880	2350
	Kharif	2134	1996	2706	2405	2275	3022	2890	2296	2856	1868	1550
	Rabi	1976	1924	2426	2257	2455	2456	2110	1820	2346	2558	1344
	Total	2106	1983	2664	2382	2302	2920	2762	2219	2727	2045	1500
Manipur	Kharif	2724	2724	2800	2674	2436	1856	1768	2301	2246	2243	#
	Kharif	1426	1471	1468	1503	1529	1499	1529	1554	2200	2259	#
	Kharif	1917	1942	69	967	1337	1502	1214	1305	1424	1521	#
	Rabi	2222	2668	1000	1000	1667	1667	1238	1611	1294	1286	#
	Total	1940	1963	95	969	1347	1508	1214	1314	1420	1515	#
Nagaland	Kharif	1800	1674	1788	1800	1075	1958	1960	1961	1969	1975	#
	Kharif	1587	1655	1976	1986	2155	2540	2046	2393	2766	2039	1967
	Rabi	2188	2368	2241	2609	2247	2778	2496	2793	2905	2608	2571
	Total	1602	1677	1987	2007	2157	2549	2063	2408	2771	2053	1994
Punjab	Kharif	2723	3123	3405	3404	3417	3692	3984	3682	3900	3651	3687
	Kharif	1098	1085	1860	1737	1044	1796	1583	1763	1597	1740	1318
	Rabi	1429	1429	1667	1429	1429	NA	3434	3844	3729	NA	4716
	Total	1098	1086	1860	1736	1044	1796	1594	1780	1621	1740	1374
Sikkim	Kharif	1491	1491	1601	1544	1671	1648	1657	1700	1724	1727	#
	Kharif	1170	3224	2952	3668	4301	3858	5682	3554	5682	5682	6534
	Rabi	1215	5047	5091	5763	5431	5452	6649	2819	5002	7500	6558
	Total	1189	3838	3627	4389	4685	4458	6042	3252	5372	6423	6549

(Contd.)

Table 4.1.8 (Contd.)

State/ UT (1)	Season (2)	2005-06 (3)	2006-07 (4)	2007-08 (5)	2008-09 (6)	2009-10 (7)	2010-11 (8)	2011-12 (9)	2012-13 (10)	2013-14 (11)	2014-15 (12)	2015-16* (13)
Telangana	Kharif	NA	NA	NA	NA	NA	NA	NA	NA	NA	2699	2555
	Rabi	NA	NA	NA	NA	NA	NA	NA	NA	NA	5288	4840
	Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	3335	3030
Tripura	Kharif	1000	960	1000	952	1006	1322	1353	1295	1277	1292	#
Uttar Pradesh	Kharif	1284	1326	1437	1495	1456	1468	1654	1654	1654	1778	1850
	Rabi	3341	1567	1615	1621	2800	2667	1810	2015	2183	1838	1838
	Total	1295	1335	1443	1499	1465	1477	1662	1677	1703	1784	1848
Uttarakhand	Kharif	1333	1333	1483	1303	1357	1503	1464	1437	1419	2070	1696
West Bengal	Kharif	2076	2166	2095	2658	2183	2588	2270	2384	2687	2688	2708
	Rabi	3913	4265	4690	5106	5619	4904	4497	4923	4765	5056	5463
	Summer	NA	NA	3583	4272	4587	4716	NA	#	NA	NA	NA
A & N Islands	Total	2533	2968	3166	3783	3942	3977	3722	3947	4059	4350	4615
	Kharif	1000	2000	4500	3000	2000	2476	2125	2000	2254	3529	#
	Kharif	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1895
Others	Rabi	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1751
	Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1875
All India	Kharif	1799	1660	2122	2048	1740	2285	2234	2346	2346	2249	2146
	Rabi	3076	3793	3854	4387	3694	4003	3765	4152	4050	4414	4134
	<b>Total</b>	<b>1938</b>	<b>1912</b>	<b>2335</b>	<b>2414</b>	<b>2024</b>	<b>2540</b>	<b>2478</b>	<b>2566</b>	<b>2676</b>	<b>2632</b>	<b>2509</b>

Source: Directorate of Economics &amp; Statistics, DAC&amp;FW

\*4th Advance Estimates.

NA: Not Available.

# Averaged out in Others



**Table 4.1.9 :** Total Pulses: State-wise Yield

State/UT	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Andhra Pradesh	772	679	803	818	740	675	637	833	928	911	846
Arunachal Pradesh	1078	1078	1078	1059	1000	879	920	1076	1149	1,263	#
Assam	537	557	558	567	560	555	573	598	695	748	684
Bihar	749	722	818	801	836	878	975	1052	1044	859	847
Chhattisgarh	477	543	586	580	604	624	613	700	574	818	608
Goa	1045	1358	991	1030	1082	1057	836	902	1102	944	#
Gujarat	704	593	843	777	705	812	815	867	897	972	890
Haryana	622	824	602	972	758	899	706	800	819	674	692
Himachal Pradesh	713	932	1062	758	681	1213	954	1413	1763	1,232	1066
Jammu & Kashmir	504	505	508	464	456	584	508	530	535	381	444
Jharkhand	567	686	736	724	709	773	885	1038	1021	1,004	920
Karnataka	487	377	531	466	451	561	492	555	641	601	500
Kerala	775	857	857	818	991	778	747	1042	1091	1,131	1238
Madhya Pradesh	754	780	609	808	871	656	803	972	861	876	888
Maharashtra	584	602	746	537	702	768	693	704	802	602	420
Manipur	523	523	497	504	497	897	942	936	933	948	#
Meghalaya	750	744	825	867	881	881	896	1019	1092	1,405	#
Mizoram	1215	1160	529	900	1667	1534	1389	1061	1468	1,416	#
Nagaland	1281	1200	1189	1203	906	1085	1091	1099	1124	1,146	#

(Contd.)

Table 4.1.9 (Contd.)

State/UT	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Odisha	416	445	446	481	461	486	471	513	537	532	428
Punjab	804	850	804	908	896	910	789	823	872	846	895
Rajasthan	261	462	401	497	204	685	546	603	593	580	504
Sikkim	897	897	928	937	977	899	903	915	925	925	#
Tamil Nadu	337	541	303	307	382	386	552	413	752	852	619
Telangana	-	-	-	-	-	-	-	-	-	644	509
Tripura	629	654	691	718	713	706	697	705	719	718	#
Uttar Pradesh	811	725	731	899	748	832	993	985	736	612	654
Uttarakhand	590	642	794	609	719	851	891	841	869	821	810
West Bengal	785	703	793	704	826	898	706	952	843	941	800
A & N Islands	500	571	591	571	600	442	541	499	486	541	#
D & N Haveli	862	862	862	859	828	898	939	901	898	897	#
Delhi	1000	1750	1750	2333	2000	1611	1939	2097	1500	NA	#
Daman & Diu	846	846	846	846	846	846	NA	#	NA	NA	#
Ponducherry	324	324	83	200	155	499	417	512	425	630	#
Others	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	975
<b>All India</b>	<b>598</b>	<b>612</b>	<b>625</b>	<b>659</b>	<b>630</b>	<b>691</b>	<b>699</b>	<b>789</b>	<b>764</b>	<b>728</b>	<b>652</b>

Source: Directorate of Economics &amp; Statistics, DAC&amp;FW

\*4th Advance Estimates.

# Averaged out in Others

NA: Not Available.

**Table 4.1.10 :** Gram: State-wise Yield

State/ UT	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Andhra Pradesh	1591	1085	1448	1412	1308	1233	920	1119	1439	1143	1062
Assam	500	500	500	529	517	500	509	557	698	938	#
Bihar	902	818	972	925	1014	1187	1295	1402	1147	958	983
Chattisgarh	706	843	874	831	880	959	995	1069	771	1035	722
Gujarat	850	870	977	1011	947	1136	1138	978	1251	1236	1330
Haryana	554	843	505	1041	738	982	911	1128	904	646	643
Himachal Pradesh	538	769	933	429	523	1000	971	1021	1000	927	1235
Jammu & Kashmir	500	NA	NA	667	500	545	583	542	NA	NA	542
Jharkhand	NA	NA	NA	NA	914	1052	1067	1174	1166	1160	1053
Karnataka	548	473	925	552	591	658	583	643	757	718	654
Madhya Pradesh	926	980	607	981	1071	863	1081	1219	1044	1039	1082
Maharashtra	691	706	711	677	863	904	775	763	891	762	507
Meghalaya	600	600	825	600	620	500	625	611	989	1033	#
Nagaland	1000	1250	600	667	667	714	720	842	838	842	#
Odisha	646	652	1500	662	748	780	765	774	768	770	775
Punjab	750	1000	659	1172	1133	1286	1000	1400	1211	1056	1176
Rajasthan	443	863	1000	779	605	898	740	1019	853	725	852
Tamil Nadu	678	644	466	638	614	671	643	645	653	645	648
Telangana	-	-	-	-	-	-	-	-	-	1372	700
Tripura	500	1000	676	667	667	667	733	774	769	750	#

(Contd.)

Table 4.1.10 (Contd.)

State/ UT	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Uttar Pradesh	893	742	1000	1014	824	930	1185	1119	824	659	805
Uttarakhand	1000	1000	745	0	1000	785	1000	830	786	821	0
West Bengal	913	769	1000	1037	1108	1072	1049	1175	1175	1178	1185
D & N Haveli	500	500	984	500	798	1000	1000	1000	1000	1000	#
Delhi	1000	NA	500	NA	NA	882	7000	#	1500	-	#
Others	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	905
<b>All India</b>	<b>808</b>	<b>845</b>	<b>762</b>	<b>895</b>	<b>915</b>	<b>895</b>	<b>928</b>	<b>1036</b>	<b>960</b>	<b>889</b>	<b>859</b>

Source: Directorate of Economics &amp; Statistics, DAC&amp;FW

\*4th Advance Estimates.

# Averaged out in Others

NA: Not Available.

**Table 4.1.11 :** Tur: State-wise Yield

State/ UT	Yield (Kg/hectare)											
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Andhra Pradesh		609	401	652	456	438	415	303	524	542	503	586
Arunachal Pradesh		1000	1000	1000	1000	833	833	879	968	1000	1091	#
Assam		692	714	667	704	709	718	714	829	920	941	833
Bihar		1291	989	1012	1178	1514	1404	1514	2131	1667	1438	1511
Chattisgarh		445	426	522	583	510	440	433	620	613	636	458
Gujarat		1102	751	1109	989	906	986	1053	1184	995	1098	1044
Haryana		1067	1100	1138	1091	1045	1080	1111	1086	1170	1098	1000
Himachal Pradesh		NA	NA	NA	NA	NA	NA	417	364	NA	500	305
Jharkhand		633	645	800	616	871	686	904	1034	1042	1018	896
Karnataka		727	470	712	528	467	594	462	555	713	651	406
Kerala		NA	NA	670	NA	NA	NA	1693	1588	899	1885	1808
Madhya Pradesh		739	683	922	804	851	337	625	662	716	981	1079
Maharashtra		720	726	750	600	841	750	706	819	906	600	450
Meghalaya		750	750	1000	750	784	750	759	1152	1254	1278	#
Mizoram		1000	1000	1189	NA	NA	NA	NA	NA	NA	NA	#
Nagaland		950	1200	825	938	703	840	853	899	896	900	#
Odisha		742	803	900	860	841	916	812	912	896	898	886
Punjab		885	931	876	966	957	929	1000	903	897	923	1000
Rajasthan		647	503	701	772	381	761	666	879	649	736	548

(Contd.)

Table 4.1.11 (Contd.)

State/ UT	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Tamil Nadu	540	732	750	608	765	662	870	785	967	1064	957
Telangana	-	-	-	-	-	-	-	-	-	495	419
Tripura	692	750	891	700	725	750	747	749	717	722	#
Uttar Pradesh	987	749	667	914	662	898	1044	1045	900	606	691
Uttarakhand	1000	500	818	667	1000	706	1000	799	810	902	750
West Bengal	889	700		833	728	1423	432	1434	1429	1434	1480
D & N Haveli	867	867	867	867	800	801	801	800	804	805	#
Delhi	1000	1500	1500	2000	1838	1750	1727	1724	NA	-	#
Others	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	815
<b>All India</b>	<b>765</b>	<b>650</b>	<b>826</b>	<b>671</b>	<b>711</b>	<b>655</b>	<b>662</b>	<b>776</b>	<b>813</b>	<b>729</b>	<b>656</b>

Source: Directorate of Economics &amp; Statistics, DAC&amp;FW

\*4th Advance Estimates.

# Averaged out in Others

NA: Not Available.

**Table 4.1.12 :** Total Oilseeds: State-wise Yield

State	Yield (Kg/hectare)											
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Andhra Pradesh	698	609	1276	861	842	724	861	650	849	929	557	955
Arunachal Pradesh	838	838	962	921	963	928	921	1015	909	958	971	#
Assam	465	495	523	576	542	526	576	557	610	611	670	605
Bihar	982	1031	979	1048	999	1042	1048	1046	1120	1189	1093	1076
Chhattisgarh	419	503	532	686	507	607	686	550	723	640	599	501
Goa	2394	1769	1892	2862	2158	2807	2862	2500	2409	2544	1899	#
Gujarat	1544	908	1618	1692	1345	1109	1692	1608	1103	2231	1920	1603
Haryana	1124	1344	1214	1855	1723	1645	1855	1394	1712	1637	1456	1608
Himachal Pradesh	344	477	442	514	365	271	514	579	514	490	542	738
Jammu & Kashmir	429	610	846	821	760	763	821	826	789	895	682	677
Jharkhand	311	422	553	625	560	563	625	680	787	663	664	681
Karnataka	600	478	681	782	556	502	782	665	647	824	698	651
Kerala	667	889	706	1032	696	632	1032	1230	1045	980	1054	1175
Madhya Pradesh	1009	955	1015	1143	1075	1129	1143	1073	1231	858	1093	851
Maharashtra	925	963	1274	1394	857	725	1394	1223	1337	1276	672	566
Manipur	7000	7000	NA	774	778	778	774	788	729	840	863	#
Meghalaya	684	673	670	704	676	701	704	766	695	1030	1071	#
Mizoram	1125	927	229	1203	781	1106	1203	967	1078	1146	1117	#
Nagaland	926	901	896	1040	1142	835	1040	1043	1047	1048	1048	#
(Contd.)												

(Contd.)

Table 4.1.12 (Contd.)

State	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Odisha	565	550	608	604	589	619	661	700	755	667	642
Punjab	1097	1111	1288	1276	1354	1336	1360	1350	1335	1265	1318
Rajasthan	1134	1146	1051	1114	1066	1203	1243	1296	1144	1192	1181
Sikkim	727	727	872	763	959	832	841	863	887	891	#
Tamil Nadu	1624	1829	1739	1782	1898	2077	2479	2103	2362	2374	2230
Telangana	-	-	-	-	-	-	-	-	-	1270	1105
Tripura	709	705	675	714	717	732	751	506	759	793	#
Uttar Pradesh	993	837	856	865	753	832	828	898	810	698	668
Uttarakhand	857	750	967	1000	1138	1012	1082	1236	1070	938	1091
West Bengal	952	918	997	828	1065	1047	994	1162	1181	1161	1181
D & N Havelli	1000	1000	1000	NA	680	750	704	604	667	571	#
Delhi	763	1500	871	154	1256	1300	1251	1265	NA	NA	#
Puducherry	1778	1778	1778	2000	1636	1684	1231	1840	1907	2280	#
Others	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	847
<b>All India</b>	<b>1004</b>	<b>916</b>	<b>1115</b>	<b>1006</b>	<b>958</b>	<b>1193</b>	<b>1133</b>	<b>1168</b>	<b>1168</b>	<b>1075</b>	<b>968</b>

Source: Directorate of Economics &amp; Statistics, DAC&amp;FW

\*4th Advance Estimates.

# Averaged out in Others

NA: Not Available.



**Table 4.1.13 :** Kharif Oilseeds: State-wise Yield

State (1)	Yield (Kg/hectare)										
	2005-06 (2)	2006-07 (3)	2007-08 (4)	2008-09 (5)	2009-10 (6)	2010-11 (7)	2011-12 (8)	2012-13 (9)	2013-14 (10)	2014-15 (11)	2015-16* (12)
Andhra Pradesh	570	397	1204	705	425	700	440	657	774	414	813
Arunachal Pradesh	878	878	1042	1160	978	1083	1204	932	1071	747	#
Assam	533	571	522	537	533	537	539	628	681	702	700
Bihar	951	932	943	939	1129	1016	1063	1092	1097	1070	1061
Chhattisgarh	521	623	615	572	710	824	608	836	686	634	523
Goa	1333	2000	2000	1500	2000	2800	2833	2540	2436	2028	#
Gujarat	1543	779	1610	1351	1049	1699	1607	1013	2309	1962	1593
Haryana	804	844	1079	762	648	691	750	823	986	883	751
Himachal Pradesh	511	489	581	610	243	536	559	559	615	615	1051
Jammu & Kashmir	462	429	419	426	439	441	440	436	442	413	402
Jharkhand	287	220	597	707	611	600	861	905	963	842	738
Karnataka	569	439	682	548	469	783	661	635	862	685	578
Kerala	667	889	706	696	632	1037	1250	1044	800	1041	1093
Madhya Pradesh	1020	962	1037	1096	1150	1159	1080	1250	836	1115	832
Maharashtra	981	1031	1368	878	730	1490	1266	1379	1310	670	570
Manipur	6000	6000	444	1000	1000	754	866	169	850	850	#
Meghalaya	731	692	704	665	763	780	1004	764	1274	1365	#
Mizoram	1222	972	206	815	1167	1268	971	1142	1154	1137	#
Nagaland	1106	1099	1041	1337	968	1156	1160	1158	1160	1159	#
Odisha	403	423	443	461	443	481	450	511	519	483	435

(Contd.)

Table 4.1.13 (Contd.)

State	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Punjab	463	504	478	482	582	785	714	691	704	656	614
Rajasthan	972	1050	1224	925	798	1235	1306	1228	1019	1220	1067
Sikkim	825	825	889	846	1025	881	897	937	946	948	#
Tamil Nadu	1340	1251	1263	1454	1482	1643	1929	1677	1841	1921	1908
Telangana	-	-	-	-	-	-	-	-	-	982	922
Tripura	583	600	591	647	638	682	620	108	648	665	#
Uttar Pradesh	555	349	284	321	240	380	415	392	347	393	366
Uttarakhand	1059	1000	1250	1333	1500	1240	1297	1663	1326	1173	1176
West Bengal	837	922	908	661	821	914	914	937	955	946	937
D & N Haveli	1000	1000	1000	NA	680	750	704	604	667	571	#
Pondicherry	1778	1778	1778	2000	1636	1684	1231	1840	1907	2340	#
Others	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	816
<b>All India</b>	<b>965</b>	<b>836</b>	<b>1154</b>	<b>961</b>	<b>875</b>	<b>1203</b>	<b>1123</b>	<b>1135</b>	<b>1151</b>	<b>1055</b>	<b>880</b>

Source: Directorate of Economics &amp; Statistics, DAC&amp;FW

\*4th Advance Estimates.

# Averaged out in Others

NA: Not Available.

**Table 4.1.14 :** Rabi Oilseeds: State-wise Yield

State	Yield (Kg/hectare)											
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Andhra Pradesh	1193	1235	1508	1286	1517	1477	1440	1536	1618	1733	1965	1965
Arunachal Pradesh	829	829	945	919	919	893	985	905	936	1014	#	#
Assam	458	488	523	542	525	579	559	609	606	668	598	598
Bihar	984	1037	982	1003	1037	1050	1045	1121	1194	1094	1077	1077
Chhattisgarh	284	319	350	326	371	345	407	425	508	501	428	428
Goa	2500	1727	1875	2281	3000	2875	2458	2382	2564	1874	#	#
Gujarat	1552	1544	1662	1314	1617	1645	1612	1764	1696	1513	1699	1699
Haryana	1128	1351	1216	1735	1655	1868	1404	1721	1646	1463	1621	1621
Himachal Pradesh	274	471	385	260	282	505	585	500	458	521	651	651
Jammu & Kashmir	405	630	893	790	788	850	854	817	933	701	698	698
Jharkhand	333	461	539	517	553	635	653	766	622	636	673	673
Karnataka	655	543	677	571	565	778	676	665	748	728	779	779
Kerala							909	1111	1209	2000	1441	1441
Madhya Pradesh	955	912	833	936	990	1031	1024	1092	1031	936	1022	1022
Maharashtra	677	662	739	691	683	705	720	634	758	706	473	473
Manipur	NA	NA	NA	500	500	779	764	850	837	867	#	#
Meghalaya	667	667	658	678	678	677	678	669	934	952	#	#
Mizoram	833	600	1000	600	750	750	944	690	1100	1000	#	#
Nagaland	756	729	760	959	784	942	946	953	954	954	#	#
Odisha	925	838	915	873	874	901	1006	950	1071	956	997	997

(Contd.)

Table 4.1.1.14 (Contd.)

State	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Punjab	1236	1260	1478	1456	1500	1432	1465	1451	1415	1359	1417
Rajasthan	1205	1185	946	1234	1277	1188	1190	1345	1233	1170	1283
Sikkim	661	661	860	707	914	792	801	799	830	832	#
Tamil Nadu	2073	3466	2835	2539	2993	3228	3645	3040	3514	3338	2809
Telangana	-	-	-	-	-	-	-	-	-	1848	1554
Tripura	806	842	778	778	806	774	864	874	875	850	#
Uttar Pradesh	1105	1024	1064	1076	1090	1123	1107	1228	1088	919	1003
Uttarakhand	667	563	643	714	800	803	867	921	739	716	1000
West Bengal	988	916	1035	899	1161	1100	1025	1249	1273	1252	1283
Delhi	763	1500	871	154	1256	1300	1251	1265	NA	NA	#
Others	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1020
<b>All India</b>	<b>1068</b>	<b>1055</b>	<b>1034</b>	<b>1097</b>	<b>1146</b>	<b>1174</b>	<b>1155</b>	<b>1244</b>	<b>1207</b>	<b>1125</b>	<b>1195</b>

Source: Directorate of Economics &amp; Statistics, DAC&amp;FW

\*4th Advance Estimates.

# Averaged out in Others

NA: Not Available.

**Table 4.1.15 : Groundnut: State-wise Yield**

State (1)	Season (2)	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16*
		(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Andhra Pradesh	Kharif	565	301	1357	694	385	659	361	533	644	410	877
	Rabi	1739	1806	1925	1928	2128	2073	1848	1927	1875	2329	2194
	Total	728	557	1451	880	773	899	646	829	892	564	1035
Bihar	Kharif	556	556	501	529	1750	1000	1025	1025	1022	1035	1000
Chhattisgarh	Kharif	1078	1142	1256	1352	1353	1462	1320	1379	1457	1412	1231
Goa	Kharif	1333	2000	2000	1500	2102	2800	2833	2540	2436	2028	#
	Rabi	2500	1727	1875	2281	2981	2875	2458	2382	2564	1874	#
	Total	2394	1769	1892	2158	2807	2862	2500	2409	2544	1899	#
Gujarat	Kharif	1707	725	1781	1368	929	1868	1563	498	2716	2168	1654
	Rabi	2225	2000	1724	1830	1908	1801	1914	2288	1789	1818	1983
	Total	1734	809	1777	1395	964	1864	1612	590	2668	2154	1668
Haryana	Kharif	733	840	813	750	1000	1000	967	1143	1107	1135	1000
Himachal Pradesh	Kharif	NA	NA	NA	1000	670	742	917	909	600	600	710
Jharkhand	Kharif	NA	NA	NA	836	756	914	1196	1170	1194	1013	830
Karnataka	Kharif	590	434	784	545	565	853	650	560	844	729	666
	Rabi	924	760	906	788	804	952	917	913	912	874	1171
	Total	645	497	807	589	626	875	716	671	863	768	821
Kerala	Kharif	727	1000	759	765	763	1267	1346	1274	1250	1426	1352
Madhya Pradesh	Kharif	1126	948	940	1140	1158	1496	1618	1515	1567	1602	1483
Maharashtra	Kharif	831	743	1112	1016	1015	1258	1080	992	1213	1037	973
	Rabi	1429	1355	1413	1516	1557	1390	1446	1531	1366	1518	1037
	Total	958	889	1168	1116	1118	1289	1158	1056	1248	1159	988
Nagaland	Kharif	1000	1000	1100	1000	786	1000	1013	1012	1023	1023	#
Odisha	Kharif	835	904	982	980	968	977	830	1070	1112	1030	837
	Rabi	1414	1292	1376	1279	1334	1362	1486	1345	1704	1471	1235
	Total	1171	1113	1219	1156	1169	1176	1189	1231	1449	1268	1091

(Contd.)

Table 4.1.15 (Contd.)

State	Season	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Punjab	Kharif	882	864	871	926	1240	1773	1500	1765	1846	1857	1900
Rajasthan	Kharif	1549	1310	1728	1670	1087	1963	1926	1549	1950	2019	2029
Tamil Nadu	Kharif	1526	1329	1417	1674	1728	1881	2202	1890	2213	2340	2250
	Rabi	2103	3729	3078	2622	3104	3331	3751	3149	3628	3442	2900
	Total	1775	1981	1957	1989	2155	2323	2751	2315	2721	2753	2509
Telangana	Kharif	NA	NA	NA	NA	NA	NA	NA	NA	NA	1692	1615
	Rabi	NA	NA	NA	NA	NA	NA	NA	NA	NA	1930	1623
	Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	1910	1622
Tripura	Kharif	1000	1000	1000	1000	1081	1333	1091	1091	1077	1080	#
	Rabi	667	1000	1000	1000	1040	1000	1297	1315	1257	1280	#
	Total	889	1000	1000	1000	1095	1167	1220	1229	1180	1180	#
Uttar Pradesh	Kharif	851	730	598	705	670	988	1000	1000	896	857	670
Uttarakhand	Kharif	1000	2000	1000	2000	2000	1091	1000	1163	1176	1103	2000
West Bengal	Kharif	933	1000	909	958	916	857	864	1000	917	925	960
	Rabi	1727	1744	1968	1763	1742	1690	1969	2585	2627	2362	2415
	Total	1703	1713	1918	1735	1715	1661	1939	2526	2544	2324	2372
Puducherry	Kharif	1938	1938	1875	2286	2103	1962	1406	2112	2486	3000	#
Others	Kharif	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	981
	Rabi	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1765
	Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1195
<b>All India</b>	<b>Kharif</b>	<b>1097</b>	<b>689</b>	<b>1386</b>	<b>1063</b>	<b>835</b>	<b>1335</b>	<b>1188</b>	<b>811</b>	<b>1735</b>	<b>1478</b>	<b>1408</b>
	<b>Rabi</b>	<b>1702</b>	<b>1880</b>	<b>1857</b>	<b>1764</b>	<b>1830</b>	<b>1846</b>	<b>1938</b>	<b>1908</b>	<b>1926</b>	<b>1948</b>	<b>1877</b>
	<b>Total</b>	<b>1187</b>	<b>866</b>	<b>1459</b>	<b>1163</b>	<b>991</b>	<b>1411</b>	<b>1323</b>	<b>994</b>	<b>1764</b>	<b>1552</b>	<b>1486</b>

Source: Directorate of Economics &amp; Statistics, DAC&amp;FW

\*4th Advance Estimates.

# Averaged out in Others

NA: Not Available.

**Table 4.1.16:** Rapeseed & Mustard: State-wise Yield

State	Yield (Kg/hectare)											
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Andhra Pradesh	333	600	500	667	500	520	667	500	600	500	1000	1000
Arunachal Pradesh	829	829	945	919	919	893	985	905	936	1016	#	#
Assam	456	487	523	543	525	581	560	610	605	667	596	596
Bihar	926	1029	947	959	1008	1028	1029	1132	1245	1100	1081	1081
Chhattisgarh	330	399	402	379	419	407	436	514	557	575	517	517
Gujarat	1349	1396	1635	1136	1579	1565	1572	1695	1723	1422	1611	1611
Haryana	1117	1343	1198	1738	1655	1869	1396	1721	1639	1432	1594	1594
Himachal Pradesh	292	506	409	270	287	532	619	520	483	543	706	706
Jammu & Kashmir	406	649	892	791	788	851	851	817	935	700	697	697
Jharkhand	NA	NA	NA	541	578	653	670	783	629	625	686	686
Karnataka	400	250	250	400	400	500	250	500	333	500	500	500
Madhya Pradesh	1047	999	927	1034	1074	1148	1108	1172	1108	1006	1135	1135
Maharashtra	308	357	444	333	333	375	308	222	400	200	222	222
Manipur	NA	NA	NA	500	500	779	764	839	837	867	#	#
Meghalaya	667	667	658	681	680	681	680	672	938	956	#	#
Mizoram	833	600	1000	600	750	750	944	690	1100	1000	#	#
Nagaland	800	753	782	1000	800	1000	1005	1009	1010	1012	#	#
Odisha	190	171	201	182	211	208	212	275	269	244	205	205
Punjab	1102	1122	1179	1222	1300	1323	1276	1281	1306	1248	1329	1329
Rajasthan	1205	1185	946	1234	1276	1188	1189	1346	1233	1170	1282	1282

(Contd.)

Table 4.1.16 (Contd.)

State	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Sikkim	661	661	860	707	914	792	801	799	830	832	#
Tamil Nadu	200	333	333	333	333	233	229	230	241	233	229
Telangana	-	-	-	-	-	-	-	-	-	2000	1000
Tripura	821	824	733	750	767	750	789	799	824	831	#
Uttar Pradesh	1149	1057	1157	1123	1113	1187	1136	1263	1113	930	1015
Uttarakhand	667	563	643	714	800	803	867	933	739	716	1000
West Bengal	909	803	888	764	1080	1021	908	1062	1066	1069	1090
Delhi	763	1500	871	154	1256	1300	1251	1265	NA	NA	#
Others	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1030
<b>All India</b>	<b>1117</b>	<b>1095</b>	<b>1001</b>	<b>1143</b>	<b>1183</b>	<b>1185</b>	<b>1121</b>	<b>1262</b>	<b>1185</b>	<b>1083</b>	<b>1184</b>

Source: Directorate of Economics &amp; Statistics, DAC&amp;FW

\*4th Advance Estimates.

# Averaged out in Others

NA: Not Available.



Table 4.1.17 : Linseed: State-wise Yield

State	Yield (Kg/hectare)											
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Andhra Pradesh		250	333	0	0	0	0	0	0	480	0	0
Assam		500	500	500	514	517	521	520	568	643	703	667
Bihar		895	850	845	846	846	889	865	867	850	861	855
Chhattisgarh		248	250	307	272	300	260	372	285	424	397	292
Himachal Pradesh		100	267	250	143	225	273	286	327	255	243	276
Jammu & Kashmir		400	426	1000	500	578	798	1157	582	500	923	933
Jharkhand		333	389	389	454	427	516	531	645	568	709	560
Karnataka		308	333	357	357	333	364	222	333	333	400	265
Madhya Pradesh		412	411	314	382	436	338	474	523	498	541	471
Maharashtra		277	235	279	211	250	256	258	296	258	208	188
Nagaland		600	648	667	769	689	807	807	807	803	808	#
Odisha		420	422	438	441	451	459	471	482	478	478	480
Punjab		500	500	1000	1000	500	NA	NA	NA	NA	NA	NA
Rajasthan		833	833	857	1432	2006	1235	1066	962	1351	1285	1013
Uttar Pradesh		414	373	251	450	441	453	452	433	385	600	460
West Bengal		284	240	271	239	295	341	359	349	200	364	388
Others		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	559
All India		395	385	349	415	449	408	473	502	484	541	442

Source: Directorate of Economics &amp; Statistics, DAC&amp;FW

\*4th Advance Estimates.

NA: Not Available.

# Averaged out in Others

**Table 4.1.18** Safflower: State wise Yield

State	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Andhra Pradesh	471	643	750	462	429	692	700	825	750	1000	NA
Bihar	1000	500	1000	1000	769	857	821	800	805	800	809
Chhattisgarh	273	286	222	200	333	333	286	200	333	200	300
Gujarat	NA	NA	NA	1000	857	NA	583	588	600	NA	NA
Jharkhand	NA	NA	NA	478	335	401	401	500	523	793	NA
Karnataka	741	753	814	795	735	836	636	625	791	818	741
Madhya Pradesh	300	333	250	250	286	250	NA	NA	500	724	500
Maharashtra	605	606	667	565	580	543	545	552	570	343	213
Odisha	615	583	615	583	581	600	581	612	602	656	615
West Bengal	NA	NA	NA	NA	915	838	858	1000	1000	1000	1000
<b>All India</b>	<b>627</b>	<b>637</b>	<b>701</b>	<b>642</b>	<b>621</b>	<b>617</b>	<b>580</b>	<b>591</b>	<b>638</b>	<b>515</b>	<b>446</b>

Source: Directorate of Economics &amp; Statistics, DAC&amp;FW

\*4th Advance Estimates.

NA: Not Available.

Table 4.1.19 : Sunflower: State wise Yield

State (1)	Season (2)	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16*
		(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Andhra Pradesh	Kharif	351	406	629	640	380	738	588	789	800	545	857
	Rabi/Summer	805	871	1174	815	911	683	809	724	888	872	895
	Total	671	738	1026	778	771	693	785	732	870	800	885
Bihar	Kharif	NA	1233	1200	1200	1278	1280	1345	1348	1289	1347	1291
	Rabi/Summer	1374	1347	1365	1429	1431	1471	1450	1454	1446	1449	1449
	Total	1345	1332	1335	1388	1404	1441	1439	1441	1411	1429	1414
Chhatisgarh	Kharif	366	600	600	563	429	257	556	300	500	NA	500
Haryana	Summer	1667	1667	1583	1650	1667	1800	1800	1733	2400	2767	2533
Jharkhand	Kharif	NA	NA	NA	667	459	NA	457	825	696	522	565
	Rabi/Summer	NA	NA	NA	684	743	663	678	800	524	500	-
	Total	NA	NA	NA	682	642	663	653	814	585	507	565
Karnataka	Kharif	504	365	547	505	342	603	518	507	583	555	405
	Rabi/Summer	593	472	595	488	422	637	505	528	626	597	564
	Total	552	420	571	496	383	621	512	520	607	579	503
Madhya Pradesh	Kharif	333	333	500	500	500	500	NA	NA	NA	-	1000
	Summer	583	571	500	667	500	NA	NA	NA	NA	-	NA
	Total	533	500	500	600	500	500	NA	NA	NA	-	1000
Maharashtra	Kharif	532	529	580	523	419	507	548	400	588	313	167
	Rabi	593	545	739	626	567	636	611	465	649	460	222
	Summer	733	NA	778	833	750	800	NA	NA	-	-	NA
Nagaland	Total	580	548	680	587	521	601	583	436	620	402	200
	Kharif	800	750	1000	667	600	1000	818	808	769	800	#
	Summer	1000	800	1100	NA	944	526	524	609	634	612	#
Total		875	786	1050	667	910	571	554	632	649	636	#

(Contd.)

Table 4.1.19 (Contd.)

State	Season	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Odisha	Kharif	NA	667	750	667	769	750	705	700	714	719	690
	Rabi/Summer	830	949	995	930	908	1054	1190	1196	1200	1202	1210
Punjab	Total	821	932	984	919	902	1049	1181	1188	1193	1195	1201
	Summer	1612	1641	1900	1750	1787	1664	1857	1881	1738	1765	1831
Rajasthan	Rabi/Summer	1000	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tamil Nadu	Kharif	1304	2710	2123	1017	1391	1214	1833	1343	1806	1514	1354
	Rabi	1165	1284	1197	1606	1286	1113	1787	1366	1475	1361	1039
Telanagana	Total	1240	1828	1590	1329	1334	1151	1809	1357	1564	1409	1089
	Kharif	NA	NA	NA	NA	NA	NA	NA	NA	NA	1000	1000
	Rabi	NA	NA	NA	NA	NA	NA	NA	NA	NA	1412	1273
	Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	1389	1250
Uttar Pradesh	Rabi/Summer	1278	1500	1615	1889	2286	2250	1500	1500	1667	1333	1667
West Bengal	Summer	1256	1292	1231	1089	1206	1123	1203	1250	1429	1467	1417
Others	Kharif	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	452
	Rabi	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	643
	Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	592
	Kharif	496	425	607	540	378	608	566	622	621	541	442
All India	Rabi	692	661	870	696	700	748	783	674	826	841	819
	Total	615	567	765	639	576	701	706	655	750	736	697

Source: Directorate of Economics &amp; Statistics, DAC&amp;FW

\* 4th Advance Estimates.

NA: Not Available.

# Averaged out in Others

**Table 4.1.20** Soybean: State-wise Yield

State	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Andhra Pradesh	1949	1515	1966	1366	827	1703	1615	1818	1612	2000	1000
Arunachal Pradesh	947	947	1167	1433	1183	1346	1487	1518	1273	923	#
Chhattisgarh	900	997	1149	987	956	1170	753	1205	877	753	576
Gujarat	853	510	382	699	805	810	786	1000	733	754	673
Himachal Pradesh	1333	667	1833	1714	850	1333	1587	1429	1450	1446	1705
Jharkhand	NA	NA	NA	333	329	200	329	1194	1099	808	651
Karnataka	534	718	858	679	446	875	901	1047	1233	738	558
Kerala	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1400
Madhya Pradesh	1058	1006	1091	1142	1198	1200	1108	1293	831	1139	831
Maharashtra	1077	1147	1492	900	728	1582	1319	1451	1351	655	557
Manipur	NA	NA	NA	NA	NA	927	1063	109	878	868	#
Meghalaya	1000	1000	909	1091	1109	1091	1694	1099	1820	1947	#
Mizoram	1929	1000	235	1100	1603	1929	1254	1411	1480	1413	#
Nagaland	1199	1200	1148	1498	1032	1246	1253	1252	1255	1254	#
Rajasthan	1150	1203	1343	971	1175	1461	1544	1412	829	1036	829
Sikkim	825	825	889	846	1025	881	897	935	946	948	#
Telangana	NA	NA	NA	NA	NA	NA	NA	NA	NA	1083	1037
Uttar Pradesh	769	875	667	818	1143	1273	1222	1357	577	731	519
Uttarakhand	1154	1111	1462	1556	1636	1480	1500	1985	1479	1293	1286
West Bengal	500	600	600	600	603	567	1226	833	699	700	708
Others	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	812
<b>All India</b>	<b>1073</b>	<b>1063</b>	<b>1235</b>	<b>1041</b>	<b>1024</b>	<b>1327</b>	<b>1208</b>	<b>1353</b>	<b>1012</b>	<b>951</b>	<b>737</b>

Source: Directorate of Economics &amp; Statistics, DAC&amp;FW

\*4th Advance Estimates.

NA: Not Available.

# Averaged out in Others

4(C) Area and Yield of Cereal crops covered  
under Crop Estimation Survey (CES)

Table 4.2.1 : Rice: Area under High Yielding Varieties in Major States

State / UTs (1)	Season (2)	2003-04 (3)	2004-05 (4)	2005-06 (5)	2006-07 (6)	2007-08 (7)	2008-09 (8)	2009-10 (9)	2010-11 (10)	2011-12 (11)	2012-13 (12)
Andhra Pradesh	Kharif	-	-	-	-	2554	-	2061	2920	2067	-
	Rabi	-	-	-	-	1270	-	1377	1829	1101	-
Assam	Autumn	-	-	-	-	-	-	-	-	-	160
	Winter	-	-	-	-	-	-	-	-	-	1170
	Summer	-	-	-	-	-	-	-	-	-	361
Bihar	Bhadai	-	-	-	-	-	-	-	-	-	-
	Aghani	1556	1411	1525	1636	1732	1694	1446	-	1665	2002
Chhattisgarh	Garma	88	80	76	87	92	85	74	-	56	84
	Kharif	736	732	812	882	907	950	822	822	2546	2714
Goa	Rabi	35	35	35	36	34	34	31	31	31	31
	Kharif	17	17	17	17	18	16	16	16	16	15
Gujarat	Kharif	458	518	515	-	604	640	580	620	511	-
	Summer	22	10	20	26	24	24	18	64	72	-
Haryana	Summer	690	741	784	798	824	842	505	465	425	535
Himachal Pradesh	-	-	-	-	-	-	-	-	-	-	-
Jammu & Kashmir	-	141	162	127	127	127	127	127	127	79	65
Jharkhand	Aghani	-	-	-	-	-	-	-	-	947	1076
Karnataka	Kharif	743	877	906	906	883	956	925	962	990	913
	Rabi	50	41	42	41	38	39	34	38	42	44
	Summer	74	209	363	284	324	1	336	344	255	185
Kerala	Autumn	93	98	91	76	73	75	74	69	67	62
	Winter	110	116	111	112	84	84	90	78	81	76
	Summer	36	35	22	35	45	49	49	51	47	47
Madhya Pradesh	Summer	123	136	176	169	155	1459	1374	208	587	735
Maharashtra	Kharif	1312	1342	1331	1459	1534	1453	2025	1370	1516	1528
	Summer	-	-	-	-	-	-	-	-	27	31

(Contd.)

Table: 4.2.1 (Contd.)

State / UTs	Season	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Meghalaya	Autumn	-	-	-	-	-	-	7	-	-	11
	Winter	-	-	-	-	-	-	-	-	-	33
Odisha	Autumn	-	-	-	-	-	-	-	-	-	7
	Winter	-	-	-	-	-	-	-	-	-	1
	Summer	450	434	436	439	451	465	475	475	412	448
Punjab		2185	2276	2341	2409	2488	2635	2712	2640	2726	2754
Rajasthan		253	293	325	315	333	331	265	293	235	274
		-	2549	2639	2621	2610	2734	2802	66	2818	2845
Tamil Nadu#	K/K/S	-	-	-	-	279	-	-	-	332	205
	S/T/P	-	-	-	-	-	-	-	-	1335	1092
	N/K	-	-	-	-	-	-	-	-	122	95
Uttarakhand	Kharif	-	-	-	-	-	-	-	-	140	129
	Rabi	-	-	-	-	-	-	-	-	14	14
Uttar Pradesh		-	-	-	-	-	-	-	-	5662	-
West Bengal	Aus.	-	-	-	-	-	-	-	-	-	-
	Aman	-	-	-	-	-	-	-	-	-	-
	Summer	-	-	-	-	-	-	-	-	-	-
Dadra & Nagar Haveli		9	9	5	9	12	9	9	12	13	13
Delhi		7	9	8	8	8	8	8	-	7	6
Daman & Diu		1	1	1	1	1	-	1	1	1	1
Puducherry	I-Kharif	6	6	5	5	4	4	4	4	4	4
	II-Rabi-I	12	13	12	12	5	5	11	11	10	9
	III-Rabi-II	6	6	5	5	5	5	5	5	2	4
	(Summer)										

Source: Consolidated Results of Crop Estimation Survey on Principal Crops- Published by NSSO

# K/K/S - Kar/Kuruvai/Sornaveri (Early Kharif), S/T/P - Sambra/Thalady/Pishanam (Late Kharif), N/K - Navarai/Kodai (Rabi)

\* I - Kharif, II - Rabi-I, III - Rabi-II (Summer)

Blank (-) Not available with State Agricultural Statistics Authority (SASA)

Blank (-) Not available with State Agricultural Statistics Authority (SASA), \*I-Kharif II- Rabi-I, III-Rabi-II (summer)



**Table 4.2.2 :** Jowar: Area under High Yielding Varieties in Major States

State / UTs	Season	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Andhra Pradesh	Kharif	-	-	-	-	2	12	0	-	20	-
	Rabi	-	-	-	-	26	5	170	170	67	-
Chhattisgarh		-	-	-	-	-	-	-	-	-	-
Gujarat	Kharif	55	31	50	-	40	52	49	49	39	-
	Summer	38	18	29	15	-	15	0	-	-	-
	Rabi					12	12	17	17	15	-
Karnataka	Kharif	189	304	262	341	254	203	195	195	172	131
	Rabi	848	830	800	775	819	896	842	842	770	887
	Summer	-	16	-	-	6	5	3	3	11	8
Madhya Pradesh		-	-	-	-	-	-	-	-	149	122
Maharashtra	Kharif	1570	1518	-	1378	1253	847	976	976	865	888
	Rabi	-	-	-	-	-	-	-	-	-	-
Rajasthan		292	174	218	171	51	-	57	57	156	204
Tamil Nadu		-	-	-	-	-	-	-	-	175	189
Uttar Pradesh		-	-	-	-	-	-	-	-	-	-

Source: Consolidated Results of Crop Estimation Survey on Principal Crops- Published by NSSO

Blank (-) Not available with State Agricultural Statistics Authority (SASA)

**Table 4.2.3 :** Bajra: Area under High Yielding Varieties in Major States

State / UTs	Season	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Andhra Pradesh		-	-	-	-	-	17	25	51	-	-
Gujarat	Kharif	-	750	764	-	713	513	483	482	418	-
	Summer	163	135	150	166	179	159	162	354	392	-
Haryana		560	480	545	536	576	561	426	590	544	396
Karnataka	Kharif	279	426	415	361	413	258	290	301	285	272
Madhya Pradesh		-	-	-	-	-	-	-	-	132	143
Maharashtra		1214	1423	1434	1411	1283	859	918	970	838	788
Punjab		-	-	2248	2494	-	-	-	-	-	3
Rajasthan		2935	2194	-	-	2145	1755	2135	-	1513	1583
Tamil Nadu		-	-	-	-	-	-	-	-	44	39
Uttar Pradesh		-	-	-	-	-	-	-	-	-	-
Delhi		2	2	2	2	2	2	2	-	1	2
Daman & Diu		-	-	-	-	-	-	-	-	-	-

Source: Consolidated Results of Crop Estimation Survey on Principal Crops- Published by NSSO

Blank (-) Not available with State Agricultural Statistics Authority (SASA)

**Table 4.2.4 :** Maize: Area under High Yielding Varieties in Major States

State / UTs	Season	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Andhra Pradesh	Kharif	-	-	-	-	105	457	503	435	94	-
	Rabi	-	-	-	-	-	272	386	281	218	-
Bihar	Bhadai	105	105	119	108	109	107	75	-	100	105
	Rabi	-	-	-	-	-	-	-	-	113	127
Chhattisgarh	Garma	103	111	121	131	138	-	148	-	-	-
		-	-	-	-	-	-	-	-	35	44
Gujarat		249	320	305	-	307	307	330	291	282	-
Haryana		8	10	8	6	6	6	5	5	3	3
Himachal Pradesh		-	-	-	-	-	-	-	-	-	-
Jammu & Kashmir		71	47	40	40	40	40	40	40	63	-
	Kharif	544	779	839	864	1013	928	1055	1099	1203	1160
Karnataka	Rabi	47	55	80	78	75	103	103	107	110	125
	Summer	-	9	-	16	20	28	28	24	32	32
Madhya Pradesh		-	-	-	-	-	-	-	-	304	291
Maharashtra	Kharif	-	-	-	-	-	-	-	-	-	-
	Rabi	-	-	-	-	-	-	-	-	-	-
Odisha	Autumn	26	31	35	35	45	49	66	99	213	81
	Winter	1	2	6	6	6	0.3	0.2	1	-	-
	Summer	2	2	2	2	3	2	2	4	17	3

(Contd.)

Table: 4.2.4 (Contd.)

State / UTs	Season	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Punjab		-	100	104	115	103	110	49	-	106	109
Rajasthan	Kharif	498	444	544	590	667	442	352	-	595	504
	Rabi	-	-	-	-	-	-	-	-	-	-
Tamil Nadu						213	286	231	-	279	287
Uttar Pradesh		-	-	-	-	-	-	-	-	-	-
West Bengal		-	-	-	-	-	-	-	-	-	-

Source: Consolidated Results of Crop Estimation Survey on Principal Crops- Published by NSSO

Blank (-) Not available with State Agricultural Statistics Authority (SASA)

**Table 4.2.5 :** Wheat: Area under High Yielding Varieties in Major States

State / UTs	Season	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Assam		-	-	-	-	-	-	-	-	-	-
Bihar		1470	1473	1479	1564	1608	1620	1604	-	1590	1638
Chhattisgarh		67	41	41	40	42	47	56	-	49	52
Gujarat		731	641	744	1023	1222	1037	854	1544	1234	-
Haryana		2290	2288	2290	2345	2390	2383	2357	-	2411	2378
Himachal Pradesh		-	-	-	-	-	-	-	-	-	-
Jammu & Kashmir		143	140	131	131	131	131	131	131	112	152
Jharkhand		-	-	-	-	-	-	-	-	159	164
Karnataka		101	120	147	182	177	175	196	173	148	144
Madhya Pradesh		2269	2405	1965	2425	2457	2404	2765	2936	3753	4018
Maharashtra		622	724	924	1231	1253	1015	1012	1258	878	785
Odisha	Summer	5	4	3	4	5	5	5	3	14	1
Punjab		-	3482	3468	3467	3488	3526	3522	-	3517	3504
Rajasthan		1528	1350	1796	2320	2199	1766	1658	-	2656	2756
Uttarakhand		-	-	-	-	-	-	-	-	-	171
Uttar Pradesh		-	-	-	-	-	-	-	-	9630	-
West Bengal		-	-	-	-	-	-	-	-	-	-
Delhi		19	13	8	13	13	13	13	-	20	19

Source: Consolidated Results of Crop Estimation Survey on Principal Crops- Published by NSSOa

Blank (-) Not available with State Agricultural Statistics Authority (SASA)

Table 4.2.6 : Rice: Yield of Local Varieties in Major States

State / UTs	Season	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Andhra Pradesh	Kharif	-	-	-	-	3078	-	-	-	-	-
	Rabi	-	-	-	-	3570	-	-	-	-	-
Assam	Autumn	1012	665	1043	931	1060	1076	934	979	1192	-
	Winter	1554	1421	1473	1223	1354	1575	1614	1921	1733	-
Bihar	Summer	1399	1704	1580	1662	1370	1882	1907	2249	2392	-
	Bhadai	1234	912	951	1023	612	2006	897	-	1603	1697
	Aghani	1217	551	811	1203	1091	2198	1036	-	2350	2235
Chhattisgarh	Garma	1331	1174	1436	1787	1623	2366	1419	-	1507	2292
		958	1084	1201	1175	1307	1057	990	990	1855	2075
Goa	Kharif	-	-	-	-	-	-	-	-	-	-
Gujarat	Rabi	-	-	-	-	-	-	-	-	-	-
	Kharif	1438	966	910	1446	1564	989	611	1226	1434	-
	Summer	-	2765	3406	-	-	1879	3263	3116	4633	-
Haryana		2126	2208	1981	2373	2544	2215	2500	2788	2425	2743
Himachal Pradesh		1478	1306	1466	1596	1662	1652	1372	1728	-	-
Jammu & Kashmir		1780	1596	1798	1798	1798	1798	1798	1798	2775	4657
Jharkhand	Aghani	-	-	-	-	-	-	-	-	1820	1550
Karnataka	Kharif	1059	1463	1838	1714	1851	1375	1542	1821	1776	1564
	Rabi	2300	2509	1694	1815	1830	2052	2173	1934	2250	2133
	Summer	-	-	-	-	1019	3179	2791	3005	-	-

(Contd.)

Table: 4 2.6 (Contd.)

State / UTs	Season	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Kerala	Autumn	1549	1426	1622	1626	1477	1474	1494	1460	1723	1553
	Winter	1729	1873	1905	1740	1781	1715	1722	1657	1753	1616
	Summer	1391	1417	1607	1702	1711	1689	1571	1729	1761	1309
Madhya Pradesh		987	724	952	783	767	1428	1436	1046	-	-
Maharashtra	Kharif	1069	1191	1049	1552	639	1220	1267	1125	-	-
	Summer	-	-	-	-	-	-	-	2228	-	-
Meghalaya	Autumn	1285	1277	1380	1369	1235	1285	1279	1478	-	1412
	Winter	1487	1378	1479	1870	1296	1452	1398	1548	-	1814
Nagaland	Kharif	-	-	-	-	-	-	-	-	-	1905
	Rabi	-	-	-	-	-	-	-	-	-	2521
Odisha	Autumn	765	677	670	815	1360	851	692	621	730	1147
	Winter	1276	1249	1239	1165	1915	1077	1185	1090	1039	1585
	Summer	-	-	-	-	-	-	-	-	-	-
Punjab		3396	3537	1799	-	-	-	-	-	-	-
Rajasthan		1140	1130	1328	1501	2163	4432	1567	3051	4314	-
	K/K/S	3333	-	-	-	-	3643	-	5271	0	-
Tamil Nadu#	S/T/P	2552	1738	2645	1634	593	1746	1571	1698	2827	-
	N/K	3082	1613	2714	-	3250	3550	-	-	-	-
Uttarakhand	Kharif	-	-	-	-	-	-	-	-	-	1406
	Rabi	-	-	-	-	-	-	-	-	-	-
Uttar Pradesh		-	-	-	-	-	-	-	-	-	-

(Contd.)

Table: 4 2.6 (Contd.)

State / UTs	Season	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
West Bengal	Aus.	1525	1395	1403	1240	1333	1865	1066	1334	-	3024
	Aman	1744	1746	1662	1701	1409	2542	1781	1982	-	3430
	Summer	2526	2733	2919	2115	1869	3428	2095	2913	-	4891
Dadra & Nagar Haveli		1572	1576	2353	1814	1817	2724	1816	2649	-	2046
	Delhi	-	-	-	-	-	-	-	-	-	-
Daman & Diu		1843	1715	1490	1765	1750	1750	1036	1183	-	1180
Puducherry	I-Kharif	-	-	-	-	-	-	-	-	-	-
	II-Rabi-I	-	-	-	-	-	-	-	-	-	-
	III-Rabi-II	-	-	-	-	-	-	-	-	-	-

Source: Consolidated Results of Crop Estimation Survey on Principal Crops- Published by NSSO

# K/K/S - Kar/Kuruvai/Sornaveri (Early Kharif), S/T/P - Samba/Thalady/Pishanam (Late Kharif),

N/K - Navarai/Kodai (Rabi) \* I - Kharif, II - Rabi-I, III - Rabi-II (Summer)

Blank (-) Not available with State Agricultural Statistics Authority (SASA)



**Table 4.2.7 : Jowar: Yield of Local Varieties in Major States**

State / UTs	Season	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
		(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Andhra Pradesh	Kharif	-	-	-	-	1241	1145	906	1005	-	-
	Rabi	-	-	-	-	1153	1505	-	-	-	-
Chhattisgarh		1001	667	792	873	1021	1123	897	897	768	715
Gujarat	Kharif	828	1242	1200	-	1327	1021	956	933	1078	-
	Rabi	-	-	-	-	895	876	1052	1033	1611	-
	Summer	835	932	824	745	-	-	-	-	-	-
	Kharif	332	537	524	586	889	724	529	969	710	640
Karnataka	Rabi	136	610	647	551	885	924	774	1241	583	710
	Summer	-	-	-	-	-	-	-	-	-	-
Madhya Pradesh		1197	953	945	898	908	1092	1074	1164	-	-
Maharashtra	Kharif	892	740	-	576	341	875	581	1082	1077	1604
	Rabi	-	-	-	-	-	-	-	687	-	-
Nagaland	Kharif	-	-	-	-	-	-	-	-	-	950
Rajasthan		671	412	271	513	604	-	138	-	735	-
Tamil Nadu		587	715	685	1123	894	674	667	834	1394	608
Uttar Pradesh		-	-	-	-	-	-	-	-	-	-

Source: Consolidated Results of Crop Estimation Survey on Principal Crops- Published by NSSO

Blank (-) Not available with State Agricultural Statistics Authority (SASA)

**Table 4.2.8 :** Bajra: Yield of Local Varieties in Major States

State / UTs	Season	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Andhra Pradesh		-	-	-	-	1263	856	-	-	-	-
Gujarat	Kharif	1320	1001	1073	-	924	1061	1098	939	999	-
	Summer	-	3198	968	2351	1974	2877	-	2320	-	-
Haryana		1071	756	925	1482	1289	1535	1432	1529	2094	1656
Karnataka	Kharif	300	391	615	473	734	513	315	483	612	716
Madhya Pradesh		822	795	841	740	665	972	945	1151	-	-
Maharashtra		466	512	-	455	-	502	441	675	982	-
Punjab		-	-	-	-	-	-	-	-	-	-
Nagaland	Kharif	-	-	-	-	-	-	-	-	-	1014
Rajasthan		942	399	288	341	541	644	304	799	1158	-
Tamil Nadu		826	1050	740	760	980	913	884	-	2835	-
Uttar Pradesh		-	-	-	-	-	-	-	-	-	-
Delhi		-	-	-	-	-	-	-	-	-	-
Daman & Diu		780	1454	1033	2015	1654	1654	1312	1378	1410	1360

Source: Consolidated Results of Crop Estimation Survey on Principal Crops- Published by NSSO

Blank (-) Not available with State Agricultural Statistics Authority (SASA)

**Table 4.2.9 :** Maize: Yield of Local Varieties in Major States

State / UTs	Season	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	(Kg/hectare)	
		(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(12)
Andhra Pradesh	Kharif	-	-	-	-	-	2644	-	-	-	-	-
	Rabi	-	-	-	-	-	5521	-	-	-	-	-
Bihar	Bhadai	1650	1496	1542	1502	768	1276	1511	-	2323	3423	3423
	Rabi	3006	3041	3045	3612	3974	3828	2599	-	4522	3388	3388
Chhattisgarh	Garma	2953	2600	2579	2541	2467	2756	2905	-	-	-	-
		1370	1430	1058	1225	1523	1523	1392	1392	1655	1928	1928
Gujarat		1661	899	1481	-	1327	1378	890	1618	2095		
Haryana		2449	2302	2061	2236	2584	2103	2126	1665	2218	2423	2423
Himachal Pradesh		2551	2227	1932	2376	2435	2222	1990	2483	-	-	-
Jammu & Kashmir		1555	1473	1302	1302	1302	1302	1302	1302	1498	3779	3779
Karnataka	Kharif	1500	1999	1832	2133	2652	1192	877	2019	2200	2427	2427
	Rabi	670	1691	2624	2423	2397	1951	1951	2233	2781	2427	2427
Madhya Pradesh	Summer	-	-	-	-	-	-	-	-	-	-	-
		1557	1185	1179	896	1044	331	1159	1408	-	-	-
Maharashtra	Kharif	-	-	-	-	-	-	-	3024	-	-	-
	Rabi	-	-	-	-	-	-	-	2630	-	-	-
Nagaland	Kharif	-	-	-	-	-	-	-	-	1960	1960	1960
	Rabi	-	-	-	-	-	-	-	-	1960	1960	1960

(Contd.)

State / UTs	Season	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Odisha	Autumn	891	1006	862	845	921	943	850	1102	1514	1070
	Winter	1291	899	654	831	2472	814	974	1258	-	-
	Summer	740	837	945	1116	1217	3945	1268	-	-	1230
Punjab		2287	2395	2081	2001	2094	2195	3237	-	2274	2734
Rajasthan	Kharif	1796	1225	875	1060	1615	1753	1101	1786	1867	
	Rabi	-	-	-	-	-	-	-	-	-	-
Uttar Pradesh		-	-	-	-	-	-	-	-	-	-
West Bengal		-	2029	1824	1908	1673	1737	1926	2121	4084	4569

Source: Consolidated Results of Crop Estimation Survey on Principal Crops- Published by NSSO

Blank (-) Not available with State Agricultural Statistics Authority (SASA)

**Table 4.2.10 :** Wheat: Yield of Local Varieties in Major States

State / UTs	Season	(Kg/hectare)											
		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Assam		1040		1084	1079	1228	1236		1054	1129	1147	1222	-
Bihar		1552		1393	1233	1794	2094		1794	1823	-	2778	2602
Chhattisgarh		784		652	728	766	884		834	874	874	1326	1459
Gujarat		697		1910	2052	953	1341		1382	1755	1217	2496	-
Haryana		2240		2419	3075	2889	3563		4176	3746	4482	4931	4158
Himachal Pradesh		1360		1795	1104	1622	1451		1063	1176	1747	-	-
Jammu & Kashmir		1437		1567	1558	1558	1558		1558	1558	1558	1617	1783
Jharkhand		-		-	-	-	-		-	-	-	-	-
Karnataka		216		596	660	501	763		748	743	1054	802	520
Madhya Pradesh		1346		1298	1284	1320	1165		1311	1512	1363	-	-
Maharashtra		708		864	773	-	-		779	1092	1250	-	-
Nagaland		-		-	-	-	-		-	-	-	1711	1801
Odisha	Summer	1359		-	1142	1363	1252		1151	1151	1447	-	1731
Punjab		3582		-	-	-	-		-	-	-	3841	4365
Rajasthan		2331		2780	2583	2175	2368		2971	2688	3364	1459	
Uttarakhand		-		-	-	-	-		-	-	-	1383	1525
Uttar Pradesh		-		-	-	-	-		-	-	-	-	-
West Bengal		2052		1873	1930	2038	2239		1882	2174	2356	3626	3468
Delhi		-		-	-	-	-		-	-	-	-	-

Source: Consolidated Results of Crop Estimation Survey on Principal Crops- Published by NSSO

Blank (-) Not available with State Agricultural Statistics Authority (SASA)

**Table 4.2.11 :** Rice: Yield of High Yielding Varieties in Major States

State / UTs		Season	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(12)
Andhra Pradesh	Kharif	-	-	-	-	3060	-	2835	2563	-	-	-
	Rabi	-	-	-	-	3312	-	3449	3716	-	-	-
Assam	Autumn	1778	1551	1950	1674	1452	1789	1782	1660	2032	1993	1993
	Winter	2263	2013	2064	1831	1713	2480	2304	2358	2154	2554	2554
	Summer	2220	2309	2126	2470	2697	2466	2325	2785	2962	3312	3312
	Bhadai	-	-	-	-	-	-	-	-	-	-	-
Bihar	Aghani	1810	942	1409	1789	1596	2814	1261	-	2850	2750	2750
	Garna	1502	1521	1552	1643	1741	2486	1966	-	2005	2828	2828
Chhattisgarh		1267	1840	2134	2221	2145	1747	1827	1827	2298	2709	2709
	Kharif	3182	2852	2865	2405	2281	2339	1902	2358	2521	2599	2599
Goa	Rabi	3038	2597	2671	2570	2428	2440	2593	2667	2688	2854	2854
	Kharif	2054	1893	2059	2822	3081	1772	1978	2086	3210	-	-
Gujarat	Summer	3106	2993	3182	4311	4667	3274	2950	3042	4764	-	-
		3042	3218	3410	3504	3611	2876	3713	2788	4223	3946	3946
Haryana		1825	1643	1751	1936	1927	1997	1593	-	-	-	-
	Himachal Pradesh	2078	2172	2514	2514	2514	2514	2514	-	3913	3523	3523
Jammu & Kashmir	Aghani	-	-	-	-	-	-	-	-	3954	3221	3221
	Kharif	2688	2856	2874	2860	2974	2948	2801	3157	3002	2843	2843
Karnataka	Rabi	3120	3550	2331	2421	2288	2299	2384	2430	2300	2548	2548
	Summer	4107	4709	3273	3046	3213	2094	3224	3408	3393	3341	3341

(Contd.)

(Contd.)

Table: 4 2.11 (Contd.)

State / UTs	Season	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Kerala	Autumn	2244	2365	2205	2343	2215	2486	2529	2439	2535	2571
	Winter	1875	2365	2455	2599	2519	2537	2686	2463	2812	2575
	Summer	2287	2525	2743	2896	2413	2994	2723	2692	3161	2850
Madhya Pradesh		1872	1087	2909	1565	1700	900	885	1835	-	1964
Maharashtra	Kharif	1957	1434	1838	1669	1898	1499	1515	1821	-	1964
	Summer	-	-	-	-	-	-	-	-	-	2469
Meghalaya	Autumn	-	-	-	-	-	-	1734	-	-	3250
	Winter	-	-	-	-	-	-	-	-	-	3137
Nagaland	Kharif	-	-	-	-	-	-	-	-	-	3050
	Rabi	-	-	-	-	-	-	-	-	-	2860
Odisha	Autumn	1202	949	1055	1144	1838	1146	1037	933	809	1878
	Winter	1795	1668	1777	1755	2878	1637	1742	1754	1532	2531
	Summer	2133	2230	2160	2293	2447	2451	2713	2259	3262	3165
Punjab		3681	3942	3846	3868	4018	4022	4010	-	3741	3998
Rajasthan		1373	1551	1301	2637	3334	1840	1309	1259	2021	-
Tamil Nadu#	K/K/S	3347	3542	3358	3383	4054	3853	3490	3634	4182	4033
	S/T/P	2749	3033	2648	3838	3018	2734	3125	3059	3922	2761
	N/K	2969	3100	3085	3923	3447	3535	3502	3525	3859	3565
Uttarakhand	Kharif	-	-	-	-	-	-	-	-	2366	2524
	Rabi	-	-	-	-	-	-	-	-	-	3208
Uttar Pradesh		-	-	-	-	-	-	-	-	-	-

(Contd.)

Table: 4 2.11 (Contd.)

State / UTs	Season	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
West Bengal	Aus.	2194	2242	2169	2132	2157	3389	2216	2128	3913	4105
	Aman	2422	2464	2401	2427	2398	3789	2438	2514	4244	4381
	Summer	3076	3089	2913	3123	3136	4148	2821	3252	4662	5283
Dadra & Nagar Haveli		2058	2275	3202	3987	3115	2925	2594	2624	2824	2052
Delhi		2635	2956	2931	2940	2940	2940	2940	-	4180	4322
Daman & Diu		1957	1561	2346	2143	1356	1356	1539	1677	1700	1720
Puducherry*	I-Kharif	2759	2720	2872	2645	2963	2675	2859	2859	3020	3270
	II-Rabi-I	2609	2147	1979	2688	2675	2581	2227	2227	2272	2603
	III-Rabi-II	2714	2731	2520	3048	2669	2893	2643	2643	2894	3075

Source: Consolidated Results of Crop Estimation Survey on Principal Crops- Published by NSSO

# K/K/S - Kar/Kuruvai/Sornaveri (Early Kharif), S/T/P - Samba/Thalady/Pishanam (Late Kharif),

N/K - Navarai/Kodai (Rabi) \* I - Kharif, II - Rabi-I, III - Rabi-II (Summer)

Blank (-) Not available with State Agricultural Statistics Authority (SASA)



**Table 4.2.12 :** Jowar: Yield of High Yielding Varieties in Major States

State / UTs	Season	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Andhra Pradesh	Kharif	-	-	-	-	1872	1269	-	-	-	-
	Rabi	-	-	-	-	2989	7368	1176	1384	-	-
Chhattisgarh	Kharif	-	-	-	-	-	-	-	-	-	-
	Rabi	-	-	-	-	-	-	-	-	-	-
Gujarat	Kharif	1407	1379	1424	-	1359	1403	1245	1345	1341	-
	Rabi	-	-	-	-	901	750	1113	1353	1283	-
Karnataka	Summer	798	976	1010	1086	-	-	-	-	-	-
	Kharif	1234	1703	1813	1320	1867	1503	1127	1733	1674	1423
Maharashtra	Rabi	552	711	982	819	1224	1111	1025	1073	1045	1145
	Summer	-	-	-	-	2496	2395	1891	2105	2016	1734
Madhya Pradesh	Kharif	1161	1066	1158	1113	1181	1208	1263	1439	-	-
	Rabi	-	-	-	-	-	-	-	-	-	-
Rajasthan	Kharif	1335	1173	-	1209	1499	1163	1127	-	1503	1347
	Rabi	-	-	-	-	-	-	-	-	-	-
Tamil Nadu	Kharif	745	523	310	997	883	-	469	-	1092	-
	Rabi	897	935	1158	1456	1052	1108	1398	1439	1755	1018
Uttar Pradesh	Kharif	-	-	-	-	-	-	-	-	-	-

Source: Consolidated Results of Crop Estimation Survey on Principal Crops- Published by NSSO

Blank (-) Not available with State Agricultural Statistics Authority (SASA)

Table 4.2.13 : Bajra: Yield of High Yielding Varieties in Major States

State / UTs	Season	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Andhra Pradesh		-	-	-	-	1734	1631	959	1647	-	-
Gujarat	Kharif	-	1043	1042	-	1137	1077	867	1113	1150	-
	Summer	2084	1998	2181	2266	2272	2381	2271	2449	2524	-
Haryana		1701	1417	1160	1674	1892	1826	1652	1904	1691	1993
Karnataka	Kharif	678	637	965	439	818	721	453	1004	1025	1097
Madhya Pradesh		1638	1523	1828	1514	1552	1390	1434	1756	-	-
Maharashtra		695	750	650	647	878	767	780	1113	-	637
Punjab		-	-	-	-	-	-	-	-	-	895
Rajasthan		1416	858	580	1064	1242	1090	656	-	1413	-
Tamil Nadu		1338	1620	1626	2403	1977	1987	1889	1680	3900	1693
Uttar Pradesh		-	-	-	-	-	-	-	-	-	-
Delhi		2473	1628	1850	1750	1750	1750	1750	-	1872	1878
Daman & Diu		-	-	-	-	-	-	-	-	-	-

Source: Consolidated Results of Crop Estimation Survey on Principal Crops- Published by NSSO

Blank (-) Not available with State Agricultural Statistics Authority (SASA)

**Table 4.2.14 : Maize: Yield of High Yielding Varieties in Major States**

State / UTs	Season	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
		(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Andhra Pradesh	Kharif	-	-	-	-	5127	3710	1910	3807	-	-
	Rabi	-	-	-	-	6167	5640	6598	7341	-	-
Bihar	Bhadai	1695	1909	1781	1973	1297	1841	2035	-	2416	3737
	Rabi	-	-	-	-	-	-	-	-	4565	6272
Garni		2709	2928	2427	3367	4084	3188	3134	-	-	-
Chhattisgarh		-	-	-	-	-	-	-	-	-	-
Gujarat		1852	913	1602	-	1472	1524	1051	1670	1439	-
Haryana		2409	2695	2266	2360	2714	2195	2224	2131	3174	3004
Himachal Pradesh		3292	2763	2498	3144	2883	3058	2367	2728	-	-
Jammu & Kashmir		2020	1837	1877	1877	1877	1877	1877	1877	2043	1343
Karnataka	Kharif	2059	3109	3113	2864	3060	2883	2447	3595	3182	2699
	Rabi	2425	3201	3659	3179	3569	3173	3173	2955	3115	3204
Summer		-	3220	-	3373	3822	3312	3312	3555	3683	3617
Madhya Pradesh		2330	1703	1657	1336	1420	1620	1263	1337	-	-
Maharashtra	Kharif	-	-	-	-	-	-	-	-	-	-
	Rabi	-	-	-	-	-	-	-	-	-	-
Rabi		-	-	-	-	-	-	-	-	-	-

(Contd.)

Table: 4 2.14 (Contd.)

State / UTs (1)	Season (2)	2003-04 (3)	2004-05 (4)	2005-06 (5)	2006-07 (6)	2007-08 (7)	2008-09 (8)	2009-10 (9)	2010-11 (10)	2011-12 (11)	2012-13 (12)
Odisha	Autumn	1892	2178	1932	1927	2314	2297	2401	3734	2395	2552
	Winter	1986	1979	2287	2647	2738	2273	1590	2118	-	-
	Summer	1999	2066	2216	2385	2277	2547	2237	2818	2912	2804
Punjab		3385	3291	2973	3469	3820	3594	3751	-	4303	3770
Rajasthan	Kharif	2143	1099	1188	1001	2136	1860	962	-	1518	-
Tamil Nadu		-	-	-	-	4500	4387	4660	-	6144	3681
Uttar Pradesh		-	-	-	-	-	-	-	-	-	-
West Bengal		-	3039	2663	2967	2549	2878	2992	-	5051	6942

Source: Consolidated Results of Crop Estimation Survey on Principal Crops- Published by NSSO

Blank (-) Not available with State Agricultural Statistics Authority (SASA)

**Table 4.2.15:** Wheat: Yield of High Yielding Varieties in Major States

State / UTs	Season	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Assam		1049	965	948	977	1173	1092	1164	939	1033	-
Bihar		1860	1706	1442	2069	2407	2199	2157	-	3143	2864
Chhattisgarh		1226	1092	1066	1252	1267	1236	1394	1394	1466	1628
Gujarat		2712	2560	2832	2659	3057	2396	2717	3143	3032	
Haryana		3975	3921	3887	4247	4175	4651	4215	4607	5185	4464
Himachal Pradesh		1563	2098	1153	1908	1786	1124	1304	1874	-	-
Jammu & Kashmir		2107	2175	2063	2063	2063	2063	2063	2063	1834	2841
Jharkhand		-	-	-	-	-	-	-	-	1908	1944
Karnataka		723	1575	1150	1052	1243	1146	1065	1316	954	1014
Madhya Pradesh		2165	2146	2014	2240	2022	2209	2334	2387	-	-
Maharashtra		1201	1366	1400	1520	1892	1489	1641	1776	1707	1527
Odisha	Summer	1471	1311	1388	1488	1587	1415	1415	1461	1686	1902
Punjab		4203	4222	4165	4209	4506	4504	4307	-	5101	4743
Rajasthan		2848	2846	2825	3078	2741	3184	3255	-	3506	
Uttarakhand		-	-	-	-	-	-	-	-	-	-
Uttar Pradesh		-	-	-	-	-	-	-	-	-	-
West Bengal		2261	2067	2058	2235	2395	2188	2427	2458	3966	4025
Delhi		4052	3745	3845	3920	3920	3920	3920	-	4348	4360

Source: Consolidated Results of Crop Estimation Survey on Principal Crops- Published by NSSO

Blank (-) Not available with State Agricultural Statistics Authority (SASA)

# 5

## Area, Production and Yield of Horticulture & Plantation Crops

**Table 5.1:** Area and Production of Horticulture Crops

Crops	2011-12		2012-13		2013-14		2014-15		2015-16*	
	Area		Production		Area		Production		Area	
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
<b>Fruits</b>										
Almond	22	4	21	9	21	13	21	10	13	8
Aonla/Gooseberry	95	961	108	1266	104	1225	95	1173	85	1094
Apple	322	2203	311	1915	313	2498	319	2134	314	2872
Banana	797	28455	776	26509	803	29725	822	29221	846	29124
Ber	34	252	41	438	48	663	42	401	47	431
<b>Citrus</b>										
(i) Lime/Lemon	234	2272	255	2524	286	2835	268	2950	258	2978
(ii) Mandarin (Orange)	329	3128	311	2906	330	3431	299	3699	361	3983
(iii) Sweet Orange (Mosambi)	162	1232	323	3520	335	3886	275	4229	217	3520
(iv) Others	190	1290	153	1140	126	994	111	777	98	1035
<b>Citrus Total (i to iv)</b>	<b>915</b>	<b>7922</b>	<b>1042</b>	<b>10090</b>	<b>1078</b>	<b>11147</b>	<b>953</b>	<b>11655</b>	<b>935</b>	<b>11515</b>
Custardapple	19	127	20	136	22	165	30	228	35	271
Grapes	116	2221	118	2483	119	2585	123	2823	121	2597
Guava	220	2510	236	3198	268	3668	246	3994	254	4046
Jackfruit	60	1042	67	1176	158	1573	118	2088	151	1839
Kiwi	3	6	4	7	5	8	5	8	4	11
Litchi	80	538	83	580	84	585	85	528	89	556
Mango	2378	16196	2500	18002	2516	18431	2163	18527	2237	18779
Papaya	117	4457	132	5382	133	5639	115	4913	133	5699
Passion Fruit	16	97	18	101	19	124	19	129	18	82
Peach	20	91	19	98	18	94	19	97	62	127
Pear	48	294	42.0	295.0	42	317	42	303	51	399

(Contd.)

Table 5.1 (Contd.)

Crops	2011-12		2012-13		2013-14		2014-15		2015-16*	
	Area (2)	Production (3)	Area (4)	Production (5)	Area (6)	Production (7)	Area (8)	Production (9)	Area (10)	Production (11)
Peanut	2	0	-	-	1	0	1	0	1	1
Pineapple	102	1500	105	1571	110	1737	116	1984	110	1964
Plum	26	72	24	74	23	76	23	72	24	86
Pomegranate	112	772	113	745	131	1346	181	1789	193	2198
Sapota	163	1420	164	1495	177	1744	106	1339	106	1286
Strawberry					0	2	1	8	1	5
Walnut	150	284	123	233	122	241	115	238	116	300
Watermelon	71	1727	81	1789	75	1810	89	2145	92	2292
Others	889	4991	915	5482	901	5372	349	2938	320	2926
<b>Total Fruits</b>	<b>6705</b>	<b>76424</b>	<b>7062</b>	<b>83075</b>	<b>7216</b>	<b>88977</b>	<b>6235</b>	<b>89514</b>	<b>6405</b>	<b>91443</b>
<b>Vegetables</b>										
Beans	118	1151	124	1269	138	1370	218	2204	217	2135
Bitterguard	77	866	83	940	79	807	76	770	90	983
Bottleguard	105	1984	114	2090	103	1819	108	1826	144	2407
Brinjal	892	12634	722	13444	711	13558	673	12589	664	12552
Cabbage	390	8412	372	8534	400	9039	386	8585	388	8755
Capsicum	10	127	29	153	30	167	32	183	21	268
Carrot	62	1153	64	1145	62	1074	64	968	79	1254
Cauliflower	391	7349	402	7887	434	8573	411	7926	426	8199
Cucumber	40	607	41	641	43	678	43	678	64	1024
Chillies (Green)					140	1687	181	1998	238	2392
Elephant Foot Yam					5	222	24	678	26	677
Muskmelon	38	791	42	868	37	761	42	863	47	936
Mushroom						17		51	5	76

(Contd.)



Table 5.1 (Contd.)

Crops	2011-12		2012-13		2013-14		2014-15		2015-16*	
	Area (2)	Production (3)	Area (4)	Production (5)	Area (6)	Production (7)	Area (8)	Production (9)	Area (10)	Production (11)
Okra	518	6259	531	6350	533	6346	504	5709	485	5507
Onion	1087	17511	1052.0	16813.0	1204	19402	1173	18927	1225	20991
Parmal (pointed gourd)					13	169	18	347	16	243
Peas	408	3745	421	4006	434	3869	476	4652	497	4814
Potato	1907	41483	1992	45344	1973	41555	2076	48009	2134	43770
Radish	160	2286	170	2411	173	2485	168	2307	193	2743
Sitaphal/Pumpkin	11	278	16	373	20	416	49	1122	54	1197
Sweet Potato	110	1073	112	1132	106	1088	107	1228	130	1472
Tapioca	227	8747	207	7237	228	8139	208	4373	204	4554
Tomato	907	18653	880	18227	882	18736	767	16385	760	18399
Others	1661	19487	1751	21535	1574	19108	1654	25053	1513	22197
<b>Total Vegetables</b>	<b>8989</b>	<b>156325</b>	<b>9321</b>	<b>161087</b>	<b>9459</b>	<b>167429</b>	<b>9417</b>	<b>166566</b>	<b>9575</b>	<b>166608</b>
<b>Aromatic</b>	<b>506</b>	<b>566</b>	<b>557</b>	<b>918</b>	<b>493</b>	<b>895</b>	<b>659</b>	<b>1000</b>	<b>617</b>	<b>1156</b>
Flowers Cut*		75066		76732		543		484		691
Flowers Loose	254	1652	233	1729	255	1754	249	1659	243	1545
<b>Total Flowers</b>	<b>254</b>	<b>1652</b>	<b>233</b>	<b>1729</b>	<b>255</b>	<b>2297</b>	<b>249</b>	<b>2143</b>	<b>243</b>	<b>2236</b>
<b>Honey</b>						<b>76</b>		<b>81</b>		<b>89</b>
<b>Plantation Crops</b>										
Arecanut	464	681	446	609	452	622	450	747	473	703
Cashewnut	979	725	992	753	1011	753	1030	745	1035	682
Cocoa	63	13	66	13	71	15	78	16	81	17
Coconut	2071	14940	2137	15609	2140	14911	1976	14067	2094	14075
<b>Total Plantation</b>	<b>3577</b>	<b>16359</b>	<b>3641</b>	<b>16985</b>	<b>3675</b>	<b>16301</b>	<b>3534</b>	<b>15575</b>	<b>3683</b>	<b>15477</b>

(Contd.)

Table 5.1 (Contd.)

Crops	2011-12		2012-13		2013-14		2014-15		2015-16*	
	Area (2)	Production (3)	Area (4)	Production (5)	Area (6)	Production (7)	Area (8)	Production (9)	Area (10)	Production (11)
<b>Spices</b>										
Ajwan	35	27	35	27	27	19	24	16	29	20
Cardamom	89	16	92	18	93	21	100	24	91	24
Chillies (Dried)	805	1276	794	1304	775	1492	761	1605	789	1389
Cinnamon/Teipata	3	5	3	5	3	5	3	5	3	5
Celery, Dill & Poppy	33	33	33	33	33	33	24	21	26	25
Clove	2	1	2	1	2	1	2	1	2	1
Coriander	558	533	543	524	447	314	553	462	622	566
Cumin	594	394	594	394	859	514	890	486	703	374
F. Greek	94	116	93	113	66	90	123	131	131	138
Fennel	100	143	100	143	54	70	39	60	49	80
Garlic	242	1228	248	1259	231	1252	262	1425	261	1400
Ginger	155	756	136	683	133	655	142	760	165	1109
Nutmeg	17	13	17	13	19	13	21	14	21	14
Pepper	200	41	125	53	124	51	129	65	129	55
Vanilla	7	1	7	1	7	1	6	1	5	0
Tamarind	58	203	58	202	59	188	54	202	53	192
Turmeric	219	1167	194	971	233	1190	184	830	185	957
<b>Total Spices</b>	<b>3212</b>	<b>5951</b>	<b>3076</b>	<b>5744</b>	<b>3163</b>	<b>5908</b>	<b>3317</b>	<b>6108</b>	<b>3264</b>	<b>6350</b>
<b>Total</b>	<b>23242</b>	<b>257277</b>	<b>23891</b>	<b>269537</b>	<b>24260</b>	<b>281854</b>	<b>23410</b>	<b>280986</b>	<b>23787</b>	<b>283360</b>

Source : Department of Agriculture, Cooperation & Farmers Welfare (Horticulture Statistics Division).

Figure of Production under Grand Total does not include Production of Cut-Flowers upto 2012-13

\* As per 3rd Advance Estimate

**Table 5.2:** State-wise Area and Production of various Horticultural Crops during the Year 2015-16 (3rd Advance Estimate)

State/UTs	Area in '000 Ha Production in '000 MT															
	Fruits		Vegetables		Flowers		Aromatic		Spices		Plantation		Honey		Total	
	Area	Prod.	Area	Prod.	Area	Prod.	Area	Prod.	Area	Prod.	Area	Prod.	Area	Prod.	Area	Prod.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
Andaman & Nicobar	3.97	31.42	5.99	45.54	26.15	96.71	0.00	0.00	0.18	0.18	0.00	1.68	3.22	0.00	37.97	177.07
Andhra Pradesh	573.94	9977.69	234.75	5409.07	314.19	1087.69	1.18	0.82	18.14	144.63	28.31	212.74	673.66	1.65	1354.94	17323.52
Arunachal Pradesh	108.11	410.84	0.87	12.55	0.00	0.00	6.15	129.18	0.02	0.01	1.15	10.17	64.27	0.00	125.32	618.00
Assam	160.91	2348.47	306.55	3771.16	102.43	189.46	4.40	0.17	5.05	33.68	46.59	100.53	333.69	0.85	679.86	6724.07
Bihar	306.18	4230.63	837.51	14400.12	14.90	97.43	4.40	0.60	0.66	7.88	0.00	13.01	12.54	8.80	1176.66	18758.00
Chhattisgarh	209.87	2294.73	475.23	6318.41	15.55	29.02	8.53	59.97	11.43	43.20	62.98	11.75	11.85	0.60	732.36	8820.75
D & N Haveli	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daman & Diu	0.00	0.00	0.00	0.00	0.00	9.63	0.00	0.00	0.01	0.03	0.00	0.00	0.00	0.00	0.01	9.66
Delhi	0.00	0.00	23.07	362.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23.07	362.82
Goa	11.59	81.28	7.24	82.59	84.18	109.45	0.00	0.00	0.02	0.12	0.47	0.94	0.25	0.00	103.97	274.16
Gujarat	392.52	8304.40	626.21	12682.28	31.37	231.15	0.00	0.00	19.67	184.17	0.00	473.83	1014.49	0.30	1543.60	22416.78
Haryana	60.92	737.82	410.74	6156.88	0.00	0.00	0.29	1.06	6.13	63.03	7.73	16.13	82.82	4.50	494.20	7053.84
Himachal Pradesh	224.35	909.23	88.64	1704.05	0.00	0.00	1.11	0.90	0.79	27.21	12.06	7.39	22.29	5.15	322.28	2680.89
Jammu & Kashmir	345.70	2556.02	62.63	1386.37	0.00	0.00	3.79	0.01	0.46	0.35	0.00	4.94	1.08	1.20	417.52	3945.03
Jharkhand	83.24	892.03	193.92	2561.44	15.43	5.00	0.00	0.00	0.32	1.53	14.88	0.00	0.00	1.20	292.90	3476.08
Karnataka	418.64	7306.55	509.54	9080.80	901.57	4041.32	3.78	26.38	31.71	232.06	76.82	215.96	387.62	2.00	2081.20	21153.54
Kerala	242.30	2517.34	141.91	2038.33	972.86	4149.70	0.01	0.00	0.88	0.02	0.54	166.82	128.40	2.50	1524.77	8836.84
Lakshadweep	0.40	0.43	0.33	0.66	2.57	48.78	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	3.31	49.88
Madhya Pradesh	245.86	6290.00	703.39	14797.74	0.00	0.00	72.18	497.10	18.42	216.00	0.00	366.04	710.90	1.85	1405.89	22513.60
Maharashtra	735.59	9714.85	619.14	9376.29	215.91	362.23	0.03	0.01	9.05	58.49	184.76	128.70	416.20	1.30	1708.42	20114.14
Manipur	53.35	470.38	32.81	293.15	0.90	0.30	0.00	0.00	0.81	0.30	0.00	10.47	24.14	0.00	98.34	788.27

(Contd.)

Table 5.2 (Contd.)

State/UTs	Fruits		Vegetables		Flowers		Aromatic		Spices		Plantation		Honey		Total	
	Area	Prod.	Area	Prod.	Area	Prod.	Area	Prod.	Area	Prod.	Area	Prod.	Area	Prod.	Area	Prod.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
Meghalaya	..	409.25	48.62	517.22	25.29	30.73	0.00	0.00	0.06	0.00	2.13	18.24	88.07	0.20	129.34	1047.61
Mizoram	60.36	316.88	54.17	281.82	10.78	7.38	1.10	0.95	0.20	0.48	0.00	23.30	65.72	0.15	149.91	673.38
Nagaland	38.99	387.94	45.95	529.70	2.17	11.85	0.11	0.44	0.07	0.89	0.59	9.77	39.16	0.43	97.06	970.99
Odisha	340.77	2386.42	578.00	8193.20	233.82	304.75	1.90	0.60	6.56	25.87	26.59	123.32	181.50	1.00	1284.37	11119.92
Puducherry	0.80	8.52	0.67	10.66	6.97	17.27	0.00	0.00	0.11	0.91	0.00	0.09	0.38	0.00	8.63	37.74
Punjab	85.46	1696.58	217.01	4368.43	0.00	0.00	13.10	2.47	2.00	12.46	0.00	21.34	91.52	14.90	338.91	6186.36
Rajasthan	47.82	863.28	146.75	1150.21	0.00	0.00	346.06	164.75	3.03	4.20	0.00	866.86	618.32	4.60	1410.52	2805.36
Sikkim	17.54	23.53	25.78	129.08	0.00	0.00	0.00	0.00	0.24	16.50	0.09	34.08	61.14	0.32	77.64	230.66
Tamilnadu	310.59	6828.89	290.69	7771.58	635.97	4316.41	15.43	257.58	55.03	343.65	12.87	113.11	212.51	1.50	1420.81	19745.00
Telangana	294.86	4184.98	142.97	2721.25	1.82	5.30	0.00	0.00	7.44	21.71	0.03	122.36	493.93	0.00	569.45	7427.21
Tripura	76.78	884.95	49.58	830.16	16.15	33.23	0.00	0.00	0.00	0.00	0.00	5.69	18.04	0.00	148.20	1766.38
Uttar Pradesh	462.05	10074.96	1202.39	25688.95	0.00	0.00	133.70	13.40	17.21	34.32	0.00	58.04	221.70	15.00	1873.38	36048.33
Uttarakhand	205.18	786.41	100.92	1110.05	0.00	0.00	0.00	0.00	1.42	1.77	15.45	8.09	41.09	2.10	315.61	1956.87
West Bengal	249.22	3516.71	1391.43	22825.57	52.39	291.77	0.00	0.00	25.63	69.63	197.13	118.25	329.90	15.60	1836.93	27246.30
Others														1.20		1.20
<b>Total</b>	<b>6405.00</b>	<b>91443.41</b>	<b>9575.38</b>	<b>166608.16</b>	<b>3683.36</b>	<b>15476.56</b>	<b>617.26</b>	<b>1156.40</b>	<b>242.71</b>	<b>1545.25</b>	<b>691.19</b>	<b>3263.63</b>	<b>6350.40</b>	<b>88.90</b>	<b>23787.34</b>	<b>283360.27</b>

Source : Department of Agriculture, Cooperation &amp; Farmers Welfare (Horticulture Statistics Division).

P (cut) = Production in (lakh Nos.)

Figure of Production under 'Total' does not include Production of Cut-Flowers

**Table 5.3 (a):** Potato: All-India Area, Production and Yield

Year	Area - Million Hectares		
	Production - Million Tonnes		
	Yield - Kg./Hectare		
	Area	Production	Yield
(1)	(2)	(3)	(4)
1950-51	0.24	1.66	6917
1951-52	0.25	1.71	6848
1952-53	0.26	1.99	7812
1953-54	0.26	1.96	7611
1954-55	0.27	1.76	6632
1955-56	0.28	1.86	6639
1956-57	0.29	1.72	6028
1957-58	0.32	2.00	6243
1958-59	0.34	2.35	6947
1959-60	0.36	2.73	7550
1960-61	0.38	2.72	7251
1961-62	0.37	2.45	6704
1962-63	0.41	3.37	8152
1963-64	0.42	2.59	6249
1964-65	0.43	3.61	8395
1965-66	0.48	4.08	8513
1966-67	0.47	3.52	7440
1967-68	0.50	4.23	8441
1968-69	0.52	4.73	9011
1969-70	0.50	3.91	7888
1970-71	0.48	4.81	9976
1971-72	0.49	4.83	9810
1972-73	0.51	4.45	8821
1973-74	0.54	4.86	8946
1974-75	0.59	6.23	10598
1975-76	0.62	7.31	11738
1976-77	0.62	7.17	11573
1977-78	0.67	8.14	12228
1978-79	0.81	10.13	12555
1979-80	0.69	8.33	12152
1980-81	0.73	9.67	13258
1981-82	0.76	9.91	12996
1982-83	0.74	9.96	13549
1983-84	0.79	12.15	15299
1984-85	0.85	12.57	14806
1985-86	0.84	10.42	12364
1986-87	0.83	12.74	15322

(Contd.)

Table 5.3(a) (Contd.)

Year	Area	Production	Yield
(1)	(2)	(3)	(4)
1987-88	0.89	14.05	15869
1988-89	0.93	14.86	15929
1989-90	0.94	14.77	15714
1990-91	0.94	15.21	16254
1991-92	1.03	16.39	15904
1992-93	1.05	15.23	14458
1993-94	1.05	17.39	16610
1994-95	1.07	17.40	16262
1995-96	1.11	18.84	16973
1996-97	1.25	24.22	19376
1997-98	1.21	17.65	14587
1998-99	1.32	23.61	17886
1999-00	1.34	24.71	18443
2000-01	1.22	22.49	18404
2001-02	1.21	23.92	19806
2002-03	1.35	23.27	17300
2003-04	1.29	23.06	17887
2004-05	1.32	23.63	17923
2005-06	1.40	23.91	17058
2006-07	1.48	22.18	14943
2007-08	1.55	28.47	18331
2008-09	1.83	34.39	18810
2009-10	1.84	36.58	19951
2010-11	1.86	42.34	22724
2011-12	1.91	41.48	21753
2012-13	1.99	45.34	22760
2013-14	1.97	41.56	21060
2014-15	2.08	48.01	23126
2015-16 (3rd Adv. Est.)	2.13	43.77	20515

Source: Department of Agriculture, Cooperation & Farmers Welfare (Horticulture Statistics Division).

**Table 5.3 (b) : Potato: Area, Production and Yield in Major Producing States**

State/ UT's	2014-15			2015-16 (3rd Advance Estimate)			Area-000' Hectares Production-000' Tonnes Yield-Kg/Hectare
	Area	% to All India	Production	% to All India	Yield	Area	% to All India
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Uttar Pradesh	607.32	29.26	14879.34	30.99	24500	607.32	28.46
West Bengal	412.20	19.86	12027.00	25.05	29178	427.00	20.01
Bihar	319.0	15.37	6345.56	13.22	19893	319.13	14.96
Gujarat	98.20	4.73	2964.10	6.17	30184	112.40	5.27
Madhya Pradesh	136.01	6.55	3048.00	6.35	22410	141.05	6.61
Punjab	89.99	4.34	2262.40	4.71	25140	92.99	4.36
Assam	99.18	4.78	1706.04	3.55	17202	104.83	4.91
Haryana	30.13	1.45	722.58	1.51	23979	34.27	1.61
Karnataka	44.16	2.13	589.12	1.23	13341	48.08	2.25
Chhattisgarh	38.92	1.87	600.93	1.25	15442	41.95	1.97
Others	195.40	9.41	2793.58	5.82	14297	204.55	9.59
<b>All India</b>	<b>2075.88</b>	<b>100.00</b>	<b>48009.19</b>	<b>100.00</b>	<b>23127</b>	<b>2133.58</b>	<b>100.00</b>
						<b>43769.56</b>	<b>100.00</b>
							<b>20515</b>

Source : Department of Agriculture, Cooperation & Farmers Welfare (Horticulture Statistics Division).

Note: States have been arranged in descending order of percentage share in production during 2015-16.

**Table 5.4 (a):** Onion: All-India Area, Production and Yield

Year	Area - Million Hectares		
	Production - Million Tonnes		
	Yield - Kg./Hectare		
	Area	Production	Yield
(1)	(2)	(3)	(4)
1978-79	0.21	2.20	10403
1979-80	0.24	2.50	10232
1980-81	0.25	2.50	9961
1981-82	0.25	2.65	10562
1982-83	0.24	2.43	10330
1983-84	0.27	2.70	9982
1984-85	0.28	3.10	11139
1985-86	0.28	2.86	10202
1986-87	0.26	2.53	9659
1987-88	0.27	2.70	9857
1988-89	0.32	3.35	10620
1989-90	0.30	3.07	10176
1990-91	0.30	3.23	10686
1991-92	0.32	3.58	11088
1992-93	0.32	3.49	10791
1993-94	0.37	4.01	10902
1994-95	0.38	4.04	10661
1995-96	0.40	4.08	10316
1996-97	0.40	4.18	10348
1997-98	0.40	3.62	9091
1998-99	0.47	5.33	11391
1999-00	0.49	4.90	9932
2000-01	0.42	4.55	10786
2001-02	0.45	4.83	10686
2002-03	0.42	4.21	9912
2003-04	0.50	5.92	11784
2004-05	0.55	6.43	11718
2005-06	0.66	8.68	13118
2006-07	0.70	8.89	12655
2007-08	0.70	9.14	12974
2008-09	0.83	13.48	16260
2009-10	0.76	12.16	16079
2010-11	1.06	15.12	14210
2011-12	1.09	17.51	16109
2012-13	1.05	16.81	15989
2013-14	1.20	19.40	16120
2014-15	1.17	18.93	16111
2015-16 (3rd Adv. Est.)	1.23	20.99	17133

Source : Department of Agriculture, Cooperation & Farmers Welfare (Horticulture Statistics Division).



**Table 5.4 (b):** Onion: Area, Production and Yield in major producing States

State/UTs	2014-15				2015-16 (3rd Advance Estimate)				Area - '000 Hectares	
	Area		Production		Yield		Area		Production - '000 Tonnes	
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
(1)										
Maharashtra	441.90	37.61	5361.00	28.3	12132	433.46	35.4	6510.86	31.0	15021
Karnataka	186.99	15.92	3227.04	17.0	17258	207.15	16.9	3531.59	16.8	17049
Madhya Pradesh	117.88	10.03	2842.00	15.0	24109	118.20	9.6	2848.00	13.6	24095
Gujarat	44.30	3.77	1126.55	6.0	25430	53.20	4.3	1355.78	6.5	25485
Bihar	54.30	4.62	1247.31	6.6	22972	54.03	4.4	1247.34	5.9	23086
Andhra Pradesh	38.37	3.27	575.58	3.0	15000	44.03	3.6	874.50	4.2	19862
Haryana	28.69	2.44	640.22	3.4	22316	30.65	2.5	705.80	3.4	23031
Rajasthan	61.36	5.22	960.78	5.1	15657	60.25	4.9	635.10	3.0	10541
West Bengal	25.31	2.15	380.15	2.0	15020	33.98	2.8	544.55	2.6	16028
Uttar Pradesh	24.47	2.08	413.60	2.2	16904	24.96	2.0	422.75	2.0	16938
Others	151.24	12.87	2152.79	11.4	14234	165.27	13.5	2314.97	11.0	14007
<b>All India</b>	<b>1174.81</b>	<b>100.00</b>	<b>18927.02</b>	<b>100.0</b>	<b>16111</b>	<b>1225.16</b>	<b>100.0</b>	<b>20991.23</b>	<b>100.0</b>	<b>17133</b>

Source: Department of Agriculture, Cooperation & Farmers Welfare (Horticulture Statistics Division).

Note: States have been arranged in descending order of percentage share in production during 2015-16.

**Table 5.5 (a):** Coconut: All-India Area, Production and Yield

Area - '000 Hectares

Production - '000 Tonnes

Yield - Kg/ Hectare

Year	Area	Production	Yield
(1)	(2)	(3)	(4)
1991-92	1529	10080	6593
2001-02	1893	12822	6773
2002-03	1893	12822	6773
2003-04	1934	12178	6297
2004-05	1935	8829	4563
2005-06	2029	14809	7299
2006-07	1940	15831	8160
2007-08	1903	14748	7750
2008-09	1903	14748	7750
2009-10	1895	15730	8301
2010-11	1896	10840	5717
2011-12	2071	14940	7214
2012-13	2137	15609	7304
2013-14	2140	14911	6966
2014-15	1976	14067	7120
2015-16 (3rd Adv. Est.)	2094	14075	6721

Source : Department of Agriculture, Cooperation & Farmers Welfare (Horticulture Statistics Division).

**Table 5.5(b):** Coconut: Area and Production in major Producing States

State/UTs	2014-15				2015-16 (3rd Advance Estimate)				Area- 000' Hectares Production-000'MT Yield- Kg/Hectare
	Area	% to All India	Production	% to All India	Yield	Area	% to All India	Production	
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	
(1)									(11)
Tamil Nadu	465.11	23.54	4760.81	33.8	10236	459.74	21.95	4247.12	9238
Kerala	649.85	32.89	3370.00	24.0	5186	770.41	36.79	3969.00	5152
Karnataka	515.03	26.07	3538.30	25.2	6870	526.38	25.13	3529.83	6706
Andhra Pradesh	105.99	5.36	1007.27	7.2	9504	103.95	4.96	983.39	9460
West Bengal	29.41	1.49	256.18	1.8	8711	29.51	1.41	257.11	8712
Odisha	50.68	2.57	223.60	1.6	4412	50.91	2.43	224.25	4405
Gujarat	31.63	1.60	203.05	1.4	6420	22.81	1.09	203.05	8901
Maharashtra	28.10	1.42	129.00	0.9	4591	27.36	1.31	138.75	5071
Assam	21.14	1.07	163.45	1.2	7732	23.76	1.13	113.68	4786
Bihar	14.90	0.75	97.30	0.7	6530	14.90	0.71	97.43	6539
Others	63.96	3.24	318.21	2.3	4975	64.58	3.08	311.12	4817
<b>All India</b>	<b>1975.79</b>	<b>100.00</b>	<b>14067.17</b>	<b>100.0</b>	<b>7120</b>	<b>2094.30</b>	<b>100.00</b>	<b>14074.73</b>	<b>6721</b>

Source : Department of Agriculture, Cooperation & Farmers Welfare (Horticulture Statistics Division).

Note: States have been arranged in descending order of percentage share in production during 2015-16.

**Table 5.6 (a) :** Cashewnut: All-India Area, Production and Yield

Area - '000 Hectares  
 Production - '000Tonnes  
 Yield - Kg./Hectare

Year	Area	Productive Area	Production	Yield
(1)	(2)	(3)	(4)	(5)
1990-91	532	464	295	636
1991-92	534	482	305	633
1992-93	560	508	349	687
1993-94	565	517	348	673
1994-95	577	510	322	631
1995-96	635	485	418	862
1996-97	659	515	430	835
1997-98	675	512	360	703
1998-99	706	573	460	803
1999-00	686	601	520	865
2000-01	720	627	450	710
2001-02	750	666	470	710
2002-03	770	675	500	760
2003-04	780	684	535	800
2004-05	820	700	544	810
2005-06	837	760	573	815
2006-07	854	765	620	820
2007-08	868	770	665	860
2008-09	893	835	695	773
2009-10	923	882	613	695
2010-11	945	906	653	720
2011-12	981	935	692	749
2012-13	982	944	728	772
2013-14	1008	966	737	782
2014-15	1027	976	725	706
2015-16 (3rd Adv Est)	1034	1001	670	650

Source : Directorate of Cashewnut and Cocoa Development, Cochin, Kerala

**Table 5.6 (b) :** Cashewnut: Area, Production and Yield in major producing States

State	2014-15				2015-16				Area - '000 Hectares Production - '000 Tonnes Yield - Kg./Hectare
	Area	% to All India	Production	% to All India	Yield	Area	% to All India	Production	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10) (11)
Kerala	84.53	8.2	80.00	11.0	946	87.01	8.4	72.00	10.7 851
Karnataka	124.71	12.1	80.50	11.1	645	125.86	12.2	73.00	10.9 572
Goa	58.17	5.7	32.00	4.4	550	58.17	5.6	28.00	4.2 450
Maharashtra	186.20	18.1	235.00	32.4	1262	186.20	18.0	220.00	32.8 1200
Tamil Nadu	140.42	13.7	67.00	9.2	478	141.33	13.7	58.00	8.7 400
Andhra Pradesh	185.45	18.1	100.00	13.8	539	185.57	17.9	95.50	14.2 490
Odisha	180.41	17.6	85.50	11.8	474	182.91	17.7	80.50	12.0 430
Others	67.33	6.6	45.00	6.2	668	67.30	6.5	43.30	6.5 643
<b>Total</b>	<b>1027.22</b>	<b>100.0</b>	<b>725.00</b>	<b>100.0</b>	<b>706</b>	<b>1034.35</b>	<b>100.0</b>	<b>670.30</b>	<b>100.0 650</b>

Source : Directorate of Cashewnut and Cocoa Development, Cochin, Kerala

**Table 5.7:** Arecanut and Banana: All-India Area, Production and Yield

Year	Area	Production	Yield
(1)	(2)	(3)	(4)
<b>Arecanut</b>			
1997-98	273.70	333.50	1218
1998-99	277.50	309.80	1116
1999-00	289.00	334.40	1157
2000-01	315.20	373.10	1184
2001-02	340.90	403.10	1182
2002-03	354.30	415.90	1174
2003-04	365.00	439.20	1203
2004-05	364.30	452.70	1243
2005-06	381.10	483.10	1268
2006-07	382.38	473.23	1238
2007-08	386.69	478.07	1236
2008-09	387.10	481.30	1243
2009-10	400.10	478.00	1195
2010-11	400.30	478.10	1194
2011-12	463.90	680.70	1467
2012-13	446.39	608.72	1364
2013-14	451.90	622.27	1377
2014-15	450.00	747.00	1660
2015-16 (3rd Adv. Est.)	473.00	703.00	1486
<b>Banana</b>			
1997-98	446.70	12642.50	28302
1998-99	445.70	12425.40	27878
1999-00	464.60	11123.50	23942
2000-01	458.50	12899.20	28133
2001-02	432.40	12519.20	28953
2002-03	475.30	13304.40	27992
2003-04	390.50	11388.00	29163
2004-05	404.20	11710.30	28972
2005-06	423.60	12104.50	28575
2006-07	477.24	16608.71	34802
2007-08	532.48	17646.81	33141
2008-09	709.00	26217.00	36977
2009-10	770.30	26469.50	34363
2010-11	830.00	29780.00	35880
2011-12	795.50	28455.10	35725
2012-13	776.00	26509.00	34161
2013-14	802.57	29724.55	37037
2014-15	822.00	29221.00	35549
2015-16 (3rd Adv. Est.)	846.00	29124.00	34426

Source : Department of Agriculture, Cooperation & Farmers Welfare (Horticulture Statistics Division).

**Table 5.8 :** Garlic and Ginger: All-India Area, Production and Yield

	Area - '000 Hectares Production - '000 Tonnes Yield - Kg/Hectare		
Year	Area	Production	Yield
(1)	(2)	(3)	(4)
<b>Garlic</b>			
1997-98	108.80	484.40	4452
1998-99	123.20	570.70	4632
1999-00	124.60	524.60	4210
2000-01	69.20	247.10	3571
2001-02	92.20	386.30	4190
2002-03	111.50	457.00	4099
2003-04	138.90	691.10	4976
2004-05	144.10	646.60	4487
2005-06	134.90	598.20	4434
2006-07	159.20	776.26	4876
2007-08	205.08	1068.42	5210
2008-09	181.09	821.16	4535
2009-10	164.86	833.97	5059
2010-11	201.00	1058.00	5264
2011-12	242.49	1228.32	5065
2012-13	247.52	1259.27	5088
2013-14	230.59	1251.88	5429
2014-15	262.00	1425.00	5439
2015-16 (3rd Adv. Est.)	261.00	1400.00	5364
<b>Ginger</b>			
1997-98	75.60	252.10	3335
1998-99	77.60	263.20	3392
1999-00	80.80	282.60	3498
2000-01	86.20	288.00	3341
2001-02	91.30	322.10	3528
2002-03	88.20	280.20	3177
2003-04	85.10	301.90	3548
2004-05	95.30	359.00	3767
2005-06	110.60	391.20	3537
2006-07	106.10	393.44	3708
2007-08	104.07	382.57	3676
2008-09	108.64	380.10	3499
2009-10	107.54	385.33	3583
2010-11	149.00	702.00	4711
2011-12	155.06	755.62	4873
2012-13	136.25	682.63	5010
2013-14	132.62	655.06	4939
2014-15	142.00	760.00	5352
2015-16 (3rd Adv. Est.)	165.00	1109.00	6721

Source : Department of Agriculture, Cooperation & Farmers Welfare (Horticulture Statistics Division).

**Table 5.9 :** Sweet Potato and Tapioca: All-India Area, Production and Yield

Year	Area	Production	Yield
(1)	(2)	(3)	(4)
<b>Sweet Potato</b>			
1997-98	128.80	1171.00	9092
1998-99	134.40	1152.40	8574
1999-00	122.90	1110.60	9037
2000-01	101.30	838.30	8275
2001-02	96.70	834.60	8631
2002-03	104.20	956.20	9177
2003-04	106.40	937.80	8814
2004-05	107.20	932.50	8699
2005-06	106.80	955.10	8943
2006-07	106.60	963.70	9040
2007-08	106.00	942.60	8892
2008-09	124.00	1120.00	9032
2009-10	118.90	1094.70	9207
2010-11	113.00	1047.00	9265
2011-12	110.40	1072.80	9719
2012-13	111.76	1132.36	10132
2013-14	105.87	1087.88	10276
2014-15	107.00	1228.00	11477
2015-16 (3rd Adv. Est.)	130.00	1472.00	11323
<b>Tapioca</b>			
1997-98	264.60	7007.80	26485
1998-99	243.40	5830.40	23954
1999-00	223.50	6014.10	26909
2000-01	251.80	7123.80	28292
2001-02	247.60	6834.00	27601
2002-03	189.80	4827.60	25435
2003-04	219.00	5945.30	27147
2004-05	229.40	5854.80	25522
2005-06	242.40	7620.20	31436
2006-07	256.43	8429.04	32871
2007-08	253.45	8722.39	34415
2008-09	280.00	9623.00	34368
2009-10	231.90	8059.90	34756
2010-11	221.00	8076.00	36543
2011-12	226.70	8746.50	38582
2012-13	206.96	7236.59	34966
2013-14	228.28	8139.43	35655
2014-15	208.00	4373.00	21024
2015-16 (3rd Adv. Est.)	204.00	4554.00	22324

Source : Department of Agriculture, Cooperation & Farmers Welfare (Horticulture Statistics Division).



**Table 5.10:** Turmeric, Chillies and Coriander: All-India Area, Production and Yield

Area - '000 Hectares Production - '000 Tonnes Yield - Kg/Hectare			
Year	Area	Production	Yield
(1)	(2)	(3)	(4)
<b>Turmeric</b>			
1997-98	139.70	549.20	3931
1998-99	160.70	597.90	3721
1999-00	141.20	668.50	4734
2000-01	191.70	714.30	3726
2001-02	167.10	562.80	3368
2002-03	150.10	522.20	3479
2003-04	150.10	564.90	3763
2004-05	158.70	718.10	4525
2005-06	172.00	851.70	4952
2006-07	178.49	786.75	4408
2007-08	175.28	794.40	4532
2008-09	181.10	821.20	4535
2009-10	180.96	792.98	4382
2010-11	195.00	993.00	5092
2011-12	218.60	1,166.80	5337
2012-13	194.20	971.10	5000
2013-14	232.67	1189.89	5114
2014-15	184.00	830.00	4511
2015-16 (3rd Adv. Est.)	185.00	957.00	5173
<b>Chillies (Dried)</b>			
1997-98	840.60	870.10	1035
1998-99	891.20	1043.20	1171
1999-00	959.20	1052.80	1098
2000-01	836.50	983.70	1176
2001-02	880.00	1069.00	1215
2002-03	827.40	894.60	1081
2003-04	774.30	1235.70	1596
2004-05	737.50	1185.50	1607
2005-06	654.00	1014.60	1551
2006-07	763.23	1242.11	1627
2007-08	805.81	1297.85	1611
2008-09	779.10	1269.90	1630
2009-10	767.23	1202.94	1568
2010-11	792.00	1223.00	1544
2011-12	804.80	1276.30	1586
2012-13	794.10	1304.40	1643
2013-14	774.87	1492.14	1926
2014-15	761.00	1605.00	2109
2015-16 (3rd Adv. Est.)	789.00	1389.00	1760

*Contd...*

Table 5.10 (Contd.)

Year	Area	Production	Yield
(1)	(2)	(3)	(4)
<b>Coriander</b>			
1997-98	656.50	337.70	514
1998-99	525.80	292.40	556
1999-00	415.10	239.30	576
2000-01	353.60	231.30	654
2001-02	429.20	319.40	744
2002-03	285.80	174.00	609
2003-04	483.50	389.80	806
2004-05	348.90	248.00	711
2005-06	340.40	223.40	656
2006-07	320.83	233.23	727
2007-08	384.22	309.60	806
2008-09	396.85	242.13	610
2009-10	360.00	236.72	658
2010-11	530.00	482.00	909
2011-12	557.90	532.90	955
2012-13	543.20	523.90	964
2013-14	447.13	313.65	701
2014-15	553.00	462.00	835
2015-16 (3rd Adv. Est.)	622.00	566.00	910

Source : Department of Agriculture, Cooperation & Farmers Welfare (Horticulture Statistics Division).

**Table 5.11:** All-India Area, Production and Yield of Cardamom & Pepper

Year	Area	Production	Yield
(1)	(2)	(3)	(4)
<b>Cardamom</b>			
1997-98	94.30	11.70	123
1998-99	85.00	9.00	106
1999-00	84.80	10.70	126
2000-01	92.40	14.50	157
2001-02	91.60	15.20	166
2002-03	88.50	15.40	174
2003-04	95.60	16.70	175
2004-05	95.20	16.90	178
2005-06	95.80	17.80	186
2006-07	98.20	15.70	160
2007-08	81.80	13.40	164
2008-09	91.99	15.45	168
2009-10	90.20	15.72	174
2010-11	87.00	16.00	184
2011-12	89.00	15.80	178
2012-13	92.40	18.40	199
2013-14	92.84	21.28	229
2014-15	100.00	24.00	240
2015-16 (3rd Adv. Est.)	91.00	24.00	264
<b>Pepper</b>			
1997-98	181.50	57.30	316
1998-99	239.80	75.70	316
1999-00	195.60	59.00	302
2000-01	213.90	63.70	298
2001-02	219.38	62.44	285
2002-03	224.40	71.70	320
2003-04	233.40	73.20	314
2004-05	228.30	73.02	320
2005-06	260.23	92.90	357
2006-07	245.96	69.01	281
2007-08	197.00	47.06	239
2008-09	238.71	47.40	199
2009-10	195.92	51.02	260
2010-11	184.00	52.00	183
2011-12	200.30	40.60	203
2012-13	124.60	52.60	422
2013-14	123.81	50.87	411
2014-15	129.00	65.00	504
2015-16 (3rd Adv. Est.)	129.00	55.00	426

Source : Department of Agriculture, Cooperation & Farmers Welfare (Horticulture Statistics Division).

# 6

All India Index Numbers of Area,  
Production, Yield and Terms of Trade

**Table 6.1:** All India Index Numbers of Area of Principal Crops

Crops	(I.E. : 2007-08=100)									
	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16*	(10)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)		
Rice	100.3	104.0	95.7	97.9	100.5	97.6	100.8	100.7	99.1	99.1
Wheat	101.9	100.9	103.5	105.7	108.6	109.1	110.8	114.4	109.9	109.9
Jowar	93.5	90.7	93.8	88.9	75.2	74.9	69.8	74.2	68.1	68.1
Bajra	100.2	91.6	93.2	100.6	91.9	76.4	81.8	76.6	73.1	73.1
Maize	103.2	103.9	105.0	108.7	111.6	110.2	115.3	116.8	110.5	110.5
Ragi	101.5	101.1	92.8	94.1	86.1	82.8	87.4	88.4	92.2	92.2
Small Millers	100.1	87.2	80.0	77.1	77.0	72.7	65.7	56.8	57.7	57.7
Barley	96.2	112.7	99.6	112.6	102.7	111.0	107.5	113.0	94.2	94.2
<b>Coarse Cereals</b>	<b>99.9</b>	<b>97.9</b>	<b>98.5</b>	<b>101.2</b>	<b>96.4</b>	<b>92.1</b>	<b>94.4</b>	<b>95.0</b>	<b>89.5</b>	<b>89.5</b>
<b>Cereals</b>	<b>100.9</b>	<b>101.6</b>	<b>99.5</b>	<b>101.8</b>	<b>103.3</b>	<b>101.6</b>	<b>104.0</b>	<b>105.7</b>	<b>102.2</b>	<b>102.2</b>
Tur	102.8	93.2	95.7	120.5	110.6	107.5	107.8	106.4	103.4	103.4
Gram	103.0	107.8	111.6	125.5	113.4	116.4	135.6	112.7	114.0	114.0
Moong	111.5	85.0	91.8	108.0	101.3	81.3	101.2	90.3	114.6	114.6
Urad	104.1	87.4	96.6	105.4	104.4	101.8	98.8	104.8	129.7	129.7
Lentil	91.5	96.4	103.7	111.9	109.5	99.7	94.0	102.9	54.0	54.0
Other Pulses	96.4	91.5	96.3	102.7	93.3	83.3	84.5	87.2	106.7	106.7
<b>Total Pulses</b>	<b>102.4</b>	<b>97.3</b>	<b>102.2</b>	<b>116.4</b>	<b>107.6</b>	<b>103.9</b>	<b>112.8</b>	<b>104.2</b>	<b>109.5</b>	<b>109.5</b>
<b>Foodgrains</b>	<b>101.2</b>	<b>100.9</b>	<b>100.0</b>	<b>104.4</b>	<b>104.1</b>	<b>102.0</b>	<b>105.6</b>	<b>105.4</b>	<b>103.5</b>	<b>103.5</b>
Groundnut	101.2	99.2	88.1	94.2	84.7	76.0	88.6	76.7	73.3	73.3

Contd...

Table 6.1 (Contd.)

Crops	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Castor	103.6	114.0	96.7	115.9	193.6	162.4	139.9	143.4	136.5
Niger	94.7	91.4	87.3	86.2	84.7	72.1	69.4	53.9	58.7
Sesamum	103.3	103.9	111.5	119.6	109.2	97.9	96.4	100.2	111.8
R & M	87.9	95.0	84.3	104.1	88.9	96.0	100.2	87.5	86.9
Linseed	104.7	91.2	76.5	80.4	72.2	66.3	65.6	63.9	66.6
Safflower	90.5	83.2	81.3	68.9	70.7	51.8	50.2	49.4	40.7
Sunflower	89.4	84.8	69.0	43.4	34.2	38.8	31.4	27.6	22.2
Soyabean	106.9	114.5	117.2	115.6	121.7	130.5	141.1	131.4	140.4
<b>Total Oilseeds</b>	<b>98.5</b>	<b>101.8</b>	<b>94.8</b>	<b>101.0</b>	<b>97.5</b>	<b>97.5</b>	<b>104.1</b>	<b>94.3</b>	<b>95.3</b>
Sugarcane	105.3	91.9	86.9	101.7	104.9	104.1	104.0	105.5	103.1
Cotton	103.7	103.6	111.6	123.8	134.1	131.9	131.7	141.2	130.8
Jute	103.2	99.6	102.8	98.1	102.5	98.4	95.8	95.0	92.6
Mesta	102.9	81.1	66.3	69.4	67.3	60.4	57.4	42.2	38.2
Coconut	98.7	98.7	98.2	98.3	105.9	110.8	110.9	102.4	108.6
Cotton seed	103.7	103.6	111.6	123.8	134.1	131.9	131.7	141.2	131.2
Sanhemp	97.2	82.1	76.0	87.8	64.3	53.2	39.0	39.0	NA
Potato	105.0	123.6	124.0	125.9	127.6	134.6	133.3	140.3	144.2
Tapioca	101.1	111.7	92.5	88.1	68.2	82.5	90.9	82.9	81.4
Sweet potato	99.6	116.8	111.8	106.1	107.1	105.2	99.6	100.5	122.1

Contd....

Table 6.1 (Contd.)

Crops	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Onion	102.2	121.0	109.6	154.3	151.6	152.6	174.6	170.1	177.7
Banana	111.5	148.4	161.2	173.7	173.7	162.4	168.1	172.1	177.1
Tobacco	95.9	107.6	122.4	135.8	128.3	117.3	125.5	125.5	NA
Guar seed	106.6	118.6	91.8	104.4	105.7	158.2	183.1	183.1	NA
Black pepper	84.0	101.8	83.6	78.5	85.3	53.3	52.9	55.0	55.0
Dry chillies	108.7	105.1	103.5	106.9	108.0	107.2	104.6	102.7	106.5
Dry ginger	97.4	101.6	101.0	139.3	145.0	127.2	124.4	132.8	154.3
Turmeric	100.0	103.3	103.3	111.3	124.4	110.7	132.9	105.0	105.6
Areca nut	100.9	100.9	104.3	104.3	117.4	116.3	117.9	117.4	123.4
Cardamom	89.0	100.1	97.9	94.6	94.6	100.1	101.2	108.8	99.0
Coriander	110.3	113.9	103.3	152.1	161.9	155.8	128.3	158.7	178.5
Garlic	123.3	99.9	99.2	120.8	147.2	149.0	138.8	157.5	156.9
Tea	102.0	102.0	102.0	102.0	102.0	99.9	99.9	99.9	99.9
Coffee	100.4	102.2	103.7	105.1	105.1	107.5	111.2	112.6	115.8
Rubber	103.1	107.5	111.4	111.4	111.4	126.3	126.3	129.1	131.6
<b>Non Foodgrains</b>	<b>103.0</b>	<b>106.0</b>	<b>104.2</b>	<b>113.8</b>	<b>115.7</b>	<b>116.1</b>	<b>119.2</b>	<b>118.7</b>	<b>105.5</b>
<b>All Crops</b>	<b>102.1</b>	<b>103.4</b>	<b>102.1</b>	<b>109.0</b>	<b>109.8</b>	<b>109.0</b>	<b>112.3</b>	<b>112.0</b>	<b>101.6</b>

Source: Directorate of Economics &amp; Statistics, DAC&amp;FW

\* As per 4th Advance Estimates.

Table 6.2: All India Index Numbers of Production of Principal Crops

(T.E. : 2007-08=100)

Crops	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Rice	102.9	105.6	94.8	102.2	112.1	112.0	113.5	112.3	111.0
Wheat	105.4	108.2	108.3	116.5	127.2	125.4	128.5	116.0	125.4
Jowar	104.7	95.7	88.5	92.5	79.0	69.8	73.2	71.9	58.3
Bajra	114.7	102.2	74.8	119.3	118.2	100.6	106.4	105.7	92.7
Maize	116.6	121.4	102.9	133.7	133.9	136.9	149.3	148.7	134.2
Ragi	108.5	102.9	95.2	110.6	97.3	79.4	100.0	103.9	90.4
Small Millets	110.0	88.8	76.3	88.3	90.2	87.0	85.9	77.1	73.0
Barley	95.8	135.3	108.5	133.2	129.7	140.4	146.7	129.2	120.6
<b>Coarse Cereals</b>	<b>112.1</b>	<b>110.0</b>	<b>92.3</b>	<b>118.9</b>	<b>114.8</b>	<b>109.2</b>	<b>118.0</b>	<b>116.7</b>	<b>103.2</b>
<b>Cereals</b>	<b>105.5</b>	<b>107.4</b>	<b>100.2</b>	<b>111.1</b>	<b>119.1</b>	<b>117.3</b>	<b>120.7</b>	<b>114.6</b>	<b>115.9</b>
Tur	113.5	83.6	91.0	105.6	98.0	111.6	117.2	103.6	90.7
Gram	97.5	119.8	126.8	139.5	130.7	149.9	161.6	124.4	121.6
Moong	127.4	86.6	57.9	155.9	150.7	99.3	134.4	125.8	134.2
Urad	106.4	85.9	90.3	127.0	126.4	140.7	121.3	139.9	157.0
Lentil	91.2	107.1	115.9	106.0	118.9	127.4	114.3	116.3	68.5
Other Pulses	104.3	101.2	85.6	127.1	103.9	108.4	110.2	124.2	119.9
<b>Total Pulses</b>	<b>105.2</b>	<b>102.1</b>	<b>102.3</b>	<b>129.4</b>	<b>121.6</b>	<b>129.4</b>	<b>135.6</b>	<b>122.0</b>	<b>117.9</b>
<b>Foodgrains</b>	<b>105.4</b>	<b>106.5</b>	<b>100.6</b>	<b>114.3</b>	<b>119.5</b>	<b>119.4</b>	<b>123.3</b>	<b>115.9</b>	<b>116.3</b>
Groundnut	125.0	97.6	73.9	112.5	94.8	63.9	132.2	100.8	92.2
Castor	112.6	125.2	107.9	144.3	245.3	209.9	184.6	199.9	176.4

Contd...



Table 6.2 (Contd.)

Crops	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Niger	97.1	103.7	88.6	95.5	87.0	89.4	86.7	67.6	68.4
Sesamum	112.6	95.3	87.5	132.9	120.6	101.9	106.3	123.2	128.8
R & M	81.8	100.9	92.6	114.6	92.6	112.5	110.4	88.1	95.6
Linseed	97.3	100.8	91.5	87.2	90.8	88.5	84.4	92.1	78.4
Safflower	97.1	81.9	77.4	65.1	62.9	46.9	49.1	39.0	27.8
Sunflower	106.3	84.1	61.8	47.3	37.5	39.5	36.6	31.5	24.0
Soyabean	117.1	105.8	106.4	136.0	130.4	156.6	126.7	110.8	91.8
<b>Total Oilseeds</b>	<b>108.6</b>	<b>100.8</b>	<b>88.9</b>	<b>116.8</b>	<b>106.5</b>	<b>107.4</b>	<b>119.0</b>	<b>99.7</b>	<b>92.7</b>
Sugarcane	106.1	86.8	89.0	104.3	110.0	103.9	107.3	110.4	107.3
Cotton	115.9	99.7	107.5	147.7	157.6	153.2	160.7	155.8	135.0
Jute	100.5	94.7	110.4	98.4	105.6	101.7	109.0	104.4	97.7
Mesta	105.5	77.9	62.5	65.1	70.6	62.8	64.6	54.1	56.2
Coconut	97.4	97.5	104.0	104.1	104.1	149.9	154.2	135.1	135.2
Cotton seed	115.9	99.7	107.5	147.7	157.6	153.2	160.7	155.8	135.0
Sanhemp	98.6	93.1	74.8	115.3	132.2	100.7	64.4	64.4	0.0
Potato	114.6	138.4	147.2	170.4	187.4	182.5	167.2	193.2	176.1
Tapioca	105.6	116.5	97.6	97.8	77.0	87.6	98.6	53.0	55.2
Sweet potato	98.8	117.4	114.8	109.8	112.2	118.7	114.1	128.7	154.3
Onion	102.7	152.4	136.6	169.8	183.6	188.9	218.0	212.6	235.8
Banana	114.2	169.7	171.3	192.7	172.5	171.5	192.4	189.1	188.5

Contd...

Table 6.2 (Contd.)

Crops	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Tobacco	93.0	121.0	147.4	176.9	160.0	139.8	156.4	156.4	0.0
Guar seed	133.6	144.6	44.3	147.2	165.6	183.8	268.0	268.0	0.0
Black pepper	67.6	68.0	73.2	74.6	63.2	76.1	73.2	93.3	78.9
Dry chillies	109.5	107.2	101.5	103.2	106.0	110.1	125.9	135.5	117.2
Dry ginger	98.3	97.7	99.0	180.4	194.1	175.5	168.4	195.3	285.0
Turmeric	98.0	101.3	97.8	122.4	141.2	119.7	146.7	102.3	118.0
Areca nut	100.0	100.6	100.0	100.0	130.3	127.4	130.1	156.2	147.0
Cardamom	85.7	99.1	102.3	102.3	102.3	115.1	134.3	153.5	153.5
Coriander	121.2	94.8	92.8	188.7	211.8	205.2	122.9	180.9	221.6
Garlic	131.2	102.1	102.4	129.9	150.6	154.6	153.8	175.0	171.9
Tea	101.5	101.0	101.0	101.0	101.0	101.0	124.4	123.2	126.9
Coffee	95.4	95.5	105.4	110.0	110.0	110.0	110.9	119.1	126.7
Rubber	99.8	104.5	100.5	100.5	100.5	100.4	93.6	78.0	68.0
<b>Non Foodgrains</b>	<b>108.6</b>	<b>107.6</b>	<b>105.0</b>	<b>127.9</b>	<b>129.3</b>	<b>128.6</b>	<b>136.4</b>	<b>132.3</b>	<b>121.5</b>
<b>All Crops</b>	<b>107.0</b>	<b>107.0</b>	<b>102.8</b>	<b>121.0</b>	<b>124.3</b>	<b>124.0</b>	<b>129.8</b>	<b>124.0</b>	<b>118.9</b>

Source: Directorate of Economics &amp; Statistics, DAC&amp;FW

\* As per 4th Advance Estimates.

Table 6.3: All India Index Numbers of Yield of Principal Crops

Crops	(T.E. : 2007-08=100)									
	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16*	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
Rice	102.6	101.5	99.1	104.4	111.5	114.8	112.6	111.5	112.1	
Wheat	103.4	107.2	104.7	110.2	117.2	115.0	116.0	101.4	114.1	
Jowar	112.0	105.5	94.3	104.1	105.0	93.2	104.9	96.9	85.6	
Bajra	114.5	111.6	80.3	118.6	128.7	131.7	130.2	137.9	126.8	
Maize	113.0	116.8	97.9	122.9	119.9	124.2	129.5	127.4	121.4	
Ragi	106.9	101.7	102.6	117.5	113.0	95.9	114.4	117.5	98.1	
Small Millers	109.9	101.9	95.3	114.6	117.2	119.8	130.6	135.7	126.5	
Barley	99.6	120.1	109.0	118.3	126.2	126.5	136.4	114.4	128.1	
<b>Coarse Cereals</b>	<b>112.3</b>	<b>112.4</b>	<b>93.8</b>	<b>117.5</b>	<b>119.1</b>	<b>118.6</b>	<b>125.0</b>	<b>122.9</b>	<b>115.2</b>	
<b>Cereals</b>	<b>104.5</b>	<b>105.7</b>	<b>100.7</b>	<b>109.1</b>	<b>115.3</b>	<b>115.4</b>	<b>116.0</b>	<b>108.5</b>	<b>113.5</b>	
Tur	110.4	89.7	95.1	87.6	88.6	103.8	108.7	97.4	87.7	
Gram	94.7	111.1	113.7	111.2	115.3	128.7	119.2	110.4	106.7	
Moong	114.3	101.8	63.1	144.3	148.7	122.1	132.8	139.3	117.1	
Urad	102.2	98.3	93.4	120.5	121.1	138.3	122.7	133.5	121.0	
Lentil	99.6	111.1	111.7	94.7	108.6	127.7	121.6	113.0	126.9	
Other Pulses	108.2	110.6	88.8	123.7	111.4	130.2	130.4	142.4	112.4	
<b>Total Pulses</b>	<b>102.8</b>	<b>104.9</b>	<b>100.1</b>	<b>111.2</b>	<b>113.1</b>	<b>124.4</b>	<b>120.2</b>	<b>117.0</b>	<b>107.7</b>	
<b>Foodgrains</b>	<b>104.2</b>	<b>105.6</b>	<b>100.6</b>	<b>109.5</b>	<b>114.9</b>	<b>117.1</b>	<b>116.8</b>	<b>110.0</b>	<b>112.4</b>	
Groundnut	123.5	98.4	83.8	119.4	111.9	84.1	149.3	131.3	125.7	

Contd...

Table 6.3 (Contd.)

Crops	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Castor	108.7	109.8	111.5	124.6	126.7	129.3	131.9	139.4	129.2
Niger	102.5	113.5	101.5	110.7	102.7	123.9	124.9	125.2	116.6
Sesamum	109.0	91.7	78.5	111.1	110.4	104.1	110.3	122.9	115.3
R & M	93.1	106.3	109.9	110.2	104.1	117.3	110.2	100.7	110.0
Linseed	93.0	110.4	119.6	108.6	125.8	133.5	128.7	144.2	117.7
Safflower	107.3	98.4	95.1	94.5	88.9	90.6	97.7	78.9	68.3
Sunflower	118.9	99.2	89.5	108.9	109.7	101.8	116.6	114.4	108.3
Soyabean	109.5	92.4	90.8	117.6	107.2	120.0	89.8	84.3	65.3
<b>Total Oilseeds</b>	<b>110.3</b>	<b>99.0</b>	<b>93.8</b>	<b>115.7</b>	<b>109.3</b>	<b>110.1</b>	<b>114.3</b>	<b>105.7</b>	<b>97.2</b>
Sugarcane	100.8	94.4	102.4	102.5	104.8	99.8	103.2	104.6	104.0
Cotton	111.7	96.2	96.4	119.4	117.5	116.1	122.0	110.3	103.2
Jute	97.4	95.1	107.4	100.4	103.0	103.3	113.7	109.9	105.5
Mesta	102.5	96.0	94.3	93.8	105.0	104.0	112.6	128.1	147.2
Coconut	98.8	98.8	105.8	105.9	98.3	135.3	139.0	131.9	124.5
Cotton seed	111.7	96.2	96.4	119.4	117.5	116.1	122.0	110.3	102.9
Sanhemp	101.4	113.4	98.4	131.3	205.5	189.3	165.1	165.1	NA
Potato	109.1	112.0	118.7	135.3	146.8	135.5	125.4	137.7	122.1
Tapioca	104.5	104.4	105.5	111.0	112.9	106.2	108.4	63.8	67.8
Sweet potato	99.3	100.6	102.7	103.4	104.8	112.8	114.6	128.1	126.4
Onion	100.5	125.9	124.6	110.0	121.1	123.8	124.8	125.0	132.7

(Contd.)

Table 6.3 (Contd.)

Crops	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Banana	102.5	114.3	106.3	110.9	99.3	105.6	114.4	109.9	106.4
Tobacco	97.0	112.5	120.4	130.3	124.6	119.2	124.6	124.6	NA
Guar seed	125.3	121.9	48.3	141.0	156.6	116.2	146.4	146.4	NA
Black pepper	80.4	66.8	87.5	95.1	74.0	142.7	138.4	169.5	143.5
Dry chillies	100.7	101.9	98.1	96.6	98.2	102.7	120.4	131.9	110.1
Dry ginger	101.0	96.2	98.0	129.5	133.9	138.0	135.4	147.1	184.7
Turmeric	97.9	98.0	94.7	110.1	113.5	108.2	110.4	97.5	111.8
Arecanut	99.1	99.7	95.8	95.8	111.0	109.5	110.3	133.1	119.2
Cardamom	96.3	99.1	104.5	108.1	108.1	115.1	132.8	141.1	155.1
Coriander	109.9	83.2	89.8	124.1	130.9	131.7	95.8	114.0	124.2
Garlic	106.4	102.2	103.3	107.6	102.3	103.7	110.8	111.1	109.6
Tea	99.6	99.0	99.0	99.0	99.0	101.1	124.6	123.4	127.1
Coffee	95.0	93.4	101.7	104.6	104.6	102.3	99.7	105.7	109.4
Rubber	96.8	97.3	90.2	90.2	90.2	79.4	74.1	60.4	51.6
<b>Non Foodgrains</b>	<b>105.4</b>	<b>101.5</b>	<b>100.7</b>	<b>112.4</b>	<b>111.7</b>	<b>110.8</b>	<b>114.4</b>	<b>111.5</b>	<b>115.1</b>
<b>All Crops</b>	<b>104.8</b>	<b>103.5</b>	<b>100.7</b>	<b>111.0</b>	<b>113.2</b>	<b>113.7</b>	<b>115.5</b>	<b>110.8</b>	<b>117.0</b>

Source: Directorate of Economics &amp; Statistics, DAC&amp;FW

\* As per 4th Advance Estimates.

**Table 6.4(a):** Index of Terms of Trade between Farmers and Non-Farmers

(Base: Triennium Ending 2011-12=100)

Year	Index of Prices Received (IPR)	Index of Price Paid (IPP) for				Index of Terms of Trade (ITT)
		Final Consumption (IPP-FC)	Intermediate Consumption (IPP-IC)	Capital Formation (IPP-CF)	Combined Index (IPP)	
Weight→		38.19	43.44	18.37	100.00	(Col-2/6*100)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
2004-05	62.35	80.18	62.12	73.06	71.03	<b>87.78</b>
2005-06	61.40	80.31	64.60	74.53	72.42	<b>84.77</b>
2006-07	63.97	77.66	67.75	78.37	73.48	<b>87.05</b>
2007-08	72.06	82.80	71.52	84.11	78.14	<b>92.22</b>
2008-09	82.06	85.61	74.72	92.10	82.07	<b>99.98</b>
2009-10	90.89	91.75	89.09	92.71	90.77	<b>100.13</b>
2010-11	101.29	97.31	98.94	99.33	98.39	<b>102.95</b>
2011-12	107.82	110.95	111.98	107.96	110.84	<b>97.27</b>
2012-13	119.49	119.80	128.36	115.21	122.67	<b>97.40</b>
2013-14	131.67	128.28	144.83	117.84	133.55	<b>98.60</b>
2014-15	138.21	132.49	157.70	122.70	141.64	<b>97.58</b>
2015-16(P)	142.89	139.46	164.86	121.90	147.26	<b>97.03</b>

Source: Directorate of Economics &amp; Statistics, DAC&amp;FW

P- Provisional

**Table 6.4(b) :** Index of Terms of Trade between Agriculture and Non-Agricultural sectors

(Base: Triennium Ending 2011-12=100)

Year	Index of Prices Received for			Index of Prices Paid for			Index of Prices Paid for		Combined Index for Prices Paid (IPP)	Index of Terms of Trade (ITT)
	Farmers	Agricultural Labourers	Index of Prices Received (IPR)	Farmers	Agricultural Labourers	Combined Index for Final Consumption (IPP-FC)	Intermediate Consumption (IPP-IC)	Capital Formation (IPP-CF)		
Weight→	94.04	5.96	100.00	71.35	28.65	55.38	25.62	19.00	100.00	Col-4/10*100
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
2004-05	62.35	49.07	61.56	80.18	76.40	79.09	69.58	73.06	75.51	<b>81.52</b>
2005-06	61.40	55.22	61.03	80.31	77.01	79.36	71.69	74.53	76.48	<b>79.80</b>
2006-07	63.97	58.29	63.63	77.66	75.05	76.91	75.55	78.37	76.84	<b>82.81</b>
2007-08	72.06	61.83	71.45	82.80	82.10	82.60	80.51	84.11	82.35	<b>86.76</b>
2008-09	82.06	76.28	81.72	85.61	84.55	85.31	87.09	92.10	87.06	<b>93.86</b>
2009-10	90.89	85.61	90.57	91.75	91.40	91.65	92.67	92.71	92.11	<b>98.33</b>
2010-11	101.29	98.17	101.10	97.31	97.47	97.35	99.42	99.33	98.26	<b>102.90</b>
2011-12	107.82	116.22	108.32	110.95	111.14	111.00	107.91	107.96	109.63	<b>98.81</b>
2012-13	119.49	133.83	120.34	119.80	118.76	119.50	121.44	115.21	119.18	<b>100.97</b>
2013-14	131.67	151.40	132.85	128.28	129.25	128.56	130.34	117.84	126.98	<b>104.62</b>
2014-15	138.21	179.32	140.66	132.49	133.48	132.77	135.30	122.70	131.51	<b>106.96</b>
2015-16(P)	142.89	185.04	145.41	139.46	141.16	139.94	138.33	121.90	136.10	<b>106.84</b>

Source: Directorate of Economics & Statistics, DAC&FW

P- Provisional

# 7

## Area, Production and Yield of Major Crops in Different Countries



**Table 7.1:** Area, Production and Yield of Principal Crops in various Countries in 2014

Area - "000" Hectares Production - "000" Tonnes Yield - Kg/Hectare				
Country	Area	Production	Yield	Production (%)
(1)	(2)	(3)	(4)	(5)
<b>1. Paddy</b>				
<b>World</b>	<b>163000</b>	<b>741000</b>	<b>4546</b>	<b>100.00</b>
China	30300	207000	6832	27.94
India	43900	157000	3576	21.19
Indonesia	13800	70800	5130	9.55
Bangladesh	11300	52300	4628	7.06
Viet Nam	7816	45000	5757	6.07
Thailand	10700	32600	3047	4.40
Myanmar	6790	26400	3888	3.56
Philippines	4740	19000	4009	2.56
Brazil	2341	12200	5212	1.65
Japan	1575	10500	6667	1.42
<b>2. Wheat</b>				
<b>World</b>	<b>220000</b>	<b>729000</b>	<b>3314</b>	<b>100.00</b>
China	24100	157000	6515	21.54
India	30500	95900	3144	13.16
USA	18800	55100	2931	7.56
France	5297	39000	7362	5.35
Canada	9462	29300	3097	4.02
Pakistan	9199	28241	3070	3.87
Germany	3220	27800	8634	3.81
Oceania	12661	25717	2031	3.53
Australia	12600	25300	2008	3.47
Ukraine	6011	24100	4010	3.31
<b>3. Maize</b>				
<b>World</b>	<b>185000</b>	<b>1040000</b>	<b>5622</b>	<b>100.00</b>
USA	33600	361000	10744	34.71
China	37100	216000	5822	20.77
Brazil	15400	79900	5188	7.68
Argentina	4837	33100	6844	3.18
Ukraine	4627	28500	6160	2.74
India	9258	23700	2560	2.28
Mexico	7060	23300	3300	2.24
Indonesia	3837	19000	4952	1.83
France	1825	18300	10026	1.76
Canada	1227	11500	9376	1.11
<b>4. Pulses</b>				
<b>World</b>	<b>85191</b>	<b>77473</b>	<b>909</b>	<b>100.00</b>
India	30309	19980	659	25.79
Myanmar	4203	5977	1422	7.72
Canada	2870	5828	2031	7.52
China	2379	4101	1724	5.29
Brazil	3209	3306	1030	4.27

*Contd...*

Table 7.1 (Contd.)

Country	Area	Production	Yield	Production (%)
(1)	(2)	(3)	(4)	(5)
Ethiopia	1532	2613	1706	3.37
USA	1234	2395	1941	3.09
Russian Federation	1594	2294	1439	2.96
Australia	1526	2247	1473	2.90
Nigeria	3849	2205	573	2.85
<b>5. Sugarcane</b>				
<b>World</b>	<b>27100</b>	<b>1880000</b>	<b>69373</b>	<b>100.00</b>
Brazil	10400	736000	70769	39.15
India	5012	352000	70231	18.72
China	1760	126000	71573	6.70
Thailand	1353	104000	76865	5.53
Pakistan	1140	62800	55064	3.34
Mexico	762	56700	74426	3.02
Colombia	401	36500	90992	1.94
Oceania	426	32589	76438	1.73
Indonesia	473	28600	60507	1.52
Philippines	432	25000	57867	1.33
<b>6. Groundnut (in shell)</b>				
<b>World</b>	<b>26500</b>	<b>43900</b>	<b>1657</b>	<b>100.00</b>
China	4604	16500	3584	37.59
India	4685	6557	1400	14.94
Nigeria	2770	3413	1232	7.77
USA	535	2354	4397	5.36
Sudan	2104	1767	840	4.03
United Republic of Tanzania	1620	1635	1010	3.73
Argentina	409	1166	2848	2.66
Myanmar	484	866	1789	1.97
Senegal	879	669	762	1.52
Indonesia	499	639	1279	1.46
<b>7. Tobacco Unmanufactured</b>				
<b>World</b>	<b>3964</b>	<b>7177</b>	<b>1811</b>	<b>100.00</b>
China	1463	2995	2047	41.74
Brazil	416	862	2074	12.02
India	433	721	1666	10.04
USA	153	398	2596	5.54
Indonesia	209	196	937	2.74
Pakistan	49	130	2648	1.81
Malawi	123	126	1026	1.76
Argentina	62	119	1919	1.66
Zimbabwe	80	77	962	1.07
Turkey	99	75	753	1.04

Source: FAOSTAT (as on 26.12.2016).

Table 7.2 : India's Position in World Agriculture in 2014

Item	India (2)	World (3)	% Share (4)	India's Rank (5)	Next to (6)
<b>1. Total Area (Million Hectares)</b>					
Land Area	329	13467	2.4	Seventh	Russian Federation, Canada, U.S.A., China, Brazil, Australia
Arable Land	297	13009	2.3	Seventh	Russian Federation, China, U.S.A., Canada, Brazil, Australia
<b>2. Population (Million)</b>					
Total	156	1417	11.0	Second	U.S.A.
Rural	1295	7266	17.8	Second	China
	857	3364	25.5	First	
<b>3. Crop Production (Million Tonnes)</b>					
(A) : Total Cereals	295	2819	10.5	Third	China, U.S.A
Wheat	96	729	13.1	Second	China
Rice (Paddy)	157	741	21.2	Second	China
(B): Total Pulses	20	78	25.8	First	
(C) : Oilseeds					
Groundnut (in shell)	7	44	14.9	Second	China
Rapeseed	8	74	10.7	Third	Canada, China
(D): Commercial Crops					
Sugarcane	352	1884	18.7	Second	Brazil
Tea	1.21	5.56	21.7	Second	China
Coffee (green)	0.30	8.79	3.5	Sixth	Brazil, Vietnam, Indonesia, Columbia, Ethiopia
Jute & Jute like Fibres	2.07	3.65	56.8	First	
Cotton (lint)	6.19	26.16	23.7	Second	China
Tobacco Unmanufactured	0.72	7.18	10.0	Third	China, Brazil

Contd...

Table 7.2. (Contd.)

Item	India	World	% Share	India's Rank	Next to
(1)	(2)	(3)	(4)	(5)	(6)
<b>4. Fruits &amp; Vegetables Production (Million Tonnes)</b>					
(A) : Vegetables & Melons	127	1169	10.8	Second	China
(B) : Fruits excluding Melons	88	690	12.8	Second	China
(C) : Potatoes	46	382	12.1	Second	China
(D) : Onion (Dry)	19	89	21.9	Second	China
<b>5. Livestock (Million Heads)</b>					
(A) : Cattle	187	1475	12.7	Second	Brazil
(B) : Buffaloes	110	194	56.6	First	
(C) : Camels	0.38	28	1.4	Twelfth	Somalia, Sudan, Kenya, Niger, Chad, Mauritania, Ethiopia, Pakistan, Mali, Yemen, U.A.E
(D) : Sheep	63	1196	5.3	Third	China, Australia
(E) : Goats	133	1011	13.2	Second	China
(F) : Chicken	725	21410	3.4	Seventh	China, U.S.A., Indonesia, Brazil, Iran, Pakistan
<b>6. Animal Products (000 MT)</b>					
(A) : Milk Total	146314	801649	18.3	First	
(B) : Eggs (Primary) Total	3965	75524	5.3	Third	China, U.S.A
(C) : Meat Total	6601	317855	2.1	Sixth	China, U.S.A, Brazil, Russian federation, Germany

Source: FAOSTAT (as on 26.12.2016)

# 8

Minimum Support Prices/ Marketed  
Surplus Ratio

Table 8.1 : Minimum Support Prices of various Agricultural Commodities (According to Crop Year)

		(As on 15.11.2016) (₹ per quintal)					
Sl.No.	Commodity	Variety	2012-13	2013-14	2014-15	2015-16	2016-17
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
<b>Kharif Crops</b>							
1	Paddy	Common	1250	1310	1360	1410	1470
		Grade 'A'	1280	1345	1400	1450	1510
2	Jowar	Hybrid	1500	1500	1530	1570	1625
		Maldandi	1520	1520	1550	1590	1650
3	Bajra		1175	1250	1250	1275	1330
4	Maize		1175	1310	1310	1325	1365
5	Ragi		1500	1500	1550	1650	
6	Arhar (Tur)		3850	4300	4350	4625^	5050^^
7	Moong		4400	4500	4600	4850^	5225^^
8	Urad		4300	4300	4350	4625^	5000^^
9	Cotton	Medium Staple	3600	3700	3750	3800	3860
		Long Staple	3900	4000	4050	4100	4160
10	Groundnut in Shell		3700	4000	4000	4030	4220*
11	Sunflower Seed		3700	3700	3750	3800	3950*
12	Soyabean	Black	2200	2500	2500	-	-
		Yellow\$\$	2240	2560	2560	2600	2775*
13	Sesamum		4200	4500	4600	4700	5000^
14	Nigerseed		3500	3500	3600	3650	3825*

Contd...

Table 8.1 (Contd.)

Sl. No.	Commodity	Variety	2012-13	2013-14	2014-15	2015-16	2016-17
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
<b>Rabi Crops</b>							
15	Wheat		1350	1400	1450	1525	1625
16	Barley		980	1100	1150	1225	1325
17	Gram		3000	3100	3175	3500**	4000^
18	Masur (Lentil)		2900	2950	3075	3400**	3950!
19	Rapeseed/Mustard		3000	3050	3100	3350	3700*
20	Safflower		2800	3000	3050	3300	3700*
21	Toria		2970	3020	3020	3290	-
<b>Other Crops</b>							
22	Copra (Calendar Year)	Milling	5100	5250	5250	5550	5950
		Ball	5350	5500	5500	5830	6240
23	De-Husked Coconut (Calendar Year)		1400	1425	1425	1500	1600
24	Jute		2200	2300	2400	2700	3200
25	Sugarcane\$		170	210	220	230	230

Source: Directorate of Economics &amp; Statistics, DAC&amp;FW

\$ Fair and remunerative price.

\$\$ Minimum Support Price of Soyabean yellow is also applicable to black variety during 2015-16 and 2016-17.

\* Including Bonus of Rs. 100 per quintal.

\*\* Including Bonus of Rs. 75 per quintal.

^ Including Bonus of Rs. 200 per quintal.

^^ Including Bonus of Rs. 425 per quintal.

! Including Bonus of Rs. 150 per quintal

**Table 8.2:** Central Issue Prices of Rice, Wheat and Coarse grains

(₹ Per Quintal)

Period	APL		BPL	AAV(*)
	Common*	Grade "A"	Common/ Grade "A"	
(1)	(2)	(3)	(4)	(5)
<b>Rice</b>				
01.12.1997 to 28.01.1999	550	700	350	
29.01.1999 to 31.3.2000	700	905	350	
01.04.2000 to 24.7.2000	1135	1180	590	
25.07.2000 to 11.07.2001	1087	1130	565	300
12.07.2001 to 31.03.2002	795	830	565	300
01.04.2002 to 30.06.2002	695	730	565	300
01.07.2002 to Till date	795	830	565	300
<b>Wheat</b>				
	APL		BPL	AAV(*)
01.12.1997 to 28.01.1999	450		250	
29.01.1999 to 31.03.1999	650		250	
01.04.1999 to 31.03.2000	682		250	
01.04.2000 to 24.07.2000	900		450	
25.07.2000 to 11.07.2001	830		415	200
12.07.2001 to 31.03.2002	610		415	200
01.04.2002 to 30.06.2002	510		415	200
01.07.2002 to till date	610		415	200
<b>Coarse Grains (₹ Per Kg.)</b>				
	APL		BPL	AAV(*)
w.e.f. 16.11.2005	70% of economic cost		50% of economic cost	2.00
2008-09 to till date	4.50		3.00	1.50

Source: Department of Food &amp; Public Distribution

APL: Above Poverty Line, BPL: Below Poverty Line, AAV: Antyodaya Anna Yojana

\* Applicable only to Jammu &amp; Kashmir, Himachal Pradesh, North Eastern States, Sikkim and Jharkhand

(\*) With effect from December, 2000.



**Table 8.3:** Cost Estimates of Principal Crops- 2013-14

Crop	State	Cost of Cultivation (₹ / Hectare)		Cost of Production (₹ / Quintal)	Yield (Qtl./Ha.)
		A2+FL	C2	C2	
(1)	(2)	(3)	(4)	(5)	(6)
<b>I. Foodgrains : Cereals</b>					
Paddy	Andhra Pradesh	46781.05	72086.93	1242.54	55.20
	Assam	30984.12	40669.34	1190.91	31.84
	Bihar	25593.05	33356.54	1141.07	25.20
	Chhattisgarh	26909.97	39034.14	1164.08	30.67
	Gujarat	34675.21	48477.71	1210.50	32.73
	Haryana	38284.67	67008.16	1389.35	47.60
	Himachal Pradesh	21995.90	30755.57	1186.69	19.45
	Jharkhand	21194.85	28098.46	1274.85	18.32
	Karnataka	44031.23	64283.05	1190.65	50.04
	Kerala	49665.00	68550.85	1346.36	46.56
	Madhya Pradesh	24625.89	39697.79	1134.09	31.75
	Maharashtra	43248.69	56357.20	1508.66	32.71
	Orissa	35569.85	46537.52	1399.10	28.91
	Punjab	39686.81	68382.86	1043.27	64.90
	Tamil Nadu	55479.28	71512.08	1257.77	52.99
	Uttar Pradesh	30982.85	45357.37	1025.31	42.41
	Uttarakhand	34687.94	44254.80	1126.35	37.31
	West Bengal	45783.94	60924.19	1366.80	39.30
Wheat	Bihar	23482.33	32276.60	908.89	27.55
	Chhattisgarh	21696.31	29581.48	1821.47	14.28
	Gujarat	32357.44	44726.63	1114.27	36.88
	Haryana	34595.63	60357.28	1044.89	45.26
	Himachal Pradesh	20456.18	30599.08	1478.42	15.30
	Jharkhand	21458.89	28073.73	1027.56	22.41
	Madhya Pradesh	21784.93	37504.73	1074.73	29.98
	Maharashtra	36565.08	47670.89	1681.08	27.28
	Punjab	30219.61	54845.98	964.29	50.23
	Rajasthan	33958.67	51033.59	997.52	40.98
	Uttar Pradesh	30207.17	45544.25	1054.26	34.58
	Uttarakhand	21003.89	32226.65	942.13	25.41
	West Bengal	35012.81	47142.69	1404.88	31.35
Maize	Andhra Pradesh	40287.38	61972.62	1298.57	45.46
	Bihar	23938.93	31664.68	1026.37	26.63
	Chhattisgarh	16926.68	21825.91	1446.82	14.14
	Gujarat	30927.61	37269.98	1839.16	13.28

(Contd.)

Table 8.3 (Contd.)

Crop	State	Cost of Cultivation (₹ / Hectare)		Cost of Production (₹ / Quintal)	Yield (Qtl./Ha.)
		A2+FL	C2	C2	
(1)	(2)	(3)	(4)	(5)	(6)
Jowar	Himachal Pradesh	20806.78	27604.54	1583.78	13.09
	Karnataka	31683.49	43541.86	1062.62	37.71
	Madhya Pradesh	21347.16	28949.71	1161.84	21.39
	Rajasthan	35709.02	42862.28	1904.70	16.32
	Tamil Nadu	52696.20	67542.80	1297.13	49.45
	Uttar Pradesh	24354.16	36670.76	1636.08	19.56
	Andhra Pradesh	27015.82	42702.14	1409.61	27.62
	Karnataka	15769.90	22946.62	1643.14	11.93
	Madhya Pradesh	17717.63	22944.17	1547.98	12.53
	Maharashtra	25448.97	35388.70	1821.42	12.76
	Tamil Nadu	20451.57	29873.54	1579.47	12.86
	Gujarat	27718.15	37370.89	1075.78	26.16
	Haryana	24524.33	35288.73	1263.65	21.15
	Karnataka	13376.45	17526.82	1262.87	11.92
Bajra	Maharashtra	36406.18	45532.91	2004.97	19.44
	Rajasthan	15414.46	20591.41	1093.52	10.41
	Tamil Nadu	29010.91	41253.06	1132.77	33.90
	Uttar Pradesh	20235.38	28966.16	1152.23	20.91
	Rajasthan	32417.82	46265.58	826.47	41.12
	Uttar Pradesh	26861.94	41337.86	1157.12	29.82
Ragi	Andhra Pradesh	39485.07	57800.71	2251.30	22.44
	Karnataka	31074.37	40061.43	1691.02	18.72
	Maharashtra	36470.74	44166.52	2054.63	20.55
	Tamil Nadu	29635.75	38174.93	1824.02	19.65
	Uttarakhand	16937.10	21800.77	695.71	25.07
<b>II. Pulses</b>					
Arhar	Andhra Pradesh	28078.33	39446.75	4701.06	7.99
	Bihar	9155.80	19514.58	1384.01	12.10
	Gujarat	22179.76	30202.70	3889.45	7.23
	Karnataka	19060.87	31704.22	2829.99	10.51
	Madhya Pradesh	21010.50	32684.74	3058.02	10.48
	Maharashtra	44480.91	63071.76	2982.01	20.25
	Orissa	12467.32	18051.25	4218.35	4.15
	Uttar Pradesh	22397.65	41943.79	4717.69	6.89
Gram	Andhra Pradesh	25733.99	38470.02	3087.19	12.00
	Bihar	13664.52	23839.26	2400.28	9.55
	Chhattisgarh	17758.61	23741.05	2972.49	7.61

(Contd.)

Table 8.3 (Contd.)

Crop	State	Cost of Cultivation (₹ / Hectare)		Cost of Production (₹ / Quintal)	Yield (Qtl./Ha.)
		A2+FL	C2	C2	
(1)	(2)	(3)	(4)	(5)	(6)
Urad	Haryana	16322.00	26852.31	3346.17	7.06
	Karnataka	17608.77	25906.75	2498.90	10.18
	Madhya Pradesh	19538.39	28134.57	2928.41	9.08
	Maharashtra	27729.72	38595.38	2776.56	13.38
	Rajasthan	16334.10	24286.08	2138.08	10.12
	Uttar Pradesh	18693.11	26099.27	5158.56	4.79
	Andhra Pradesh	18196.18	31951.56	3148.60	10.09
	Chhattisgarh	15313.39	21771.02	2594.05	8.10
	Madhya Pradesh	14640.39	20336.14	4362.77	4.45
	Maharashtra	22264.61	27282.58	4874.50	5.50
	Orissa	11629.99	15776.98	4874.03	3.12
	Rajasthan	16411.83	20188.48	5392.99	3.21
	Tamil Nadu	21961.86	29285.06	4404.39	6.44
	Uttar Pradesh	12017.41	16975.97	4700.41	3.46
Moong	Andhra Pradesh	15317.86	26707.61	4314.84	6.16
	Karnataka	16006.92	22143.16	3699.01	5.89
	Maharashtra	25997.23	30942.16	7816.61	3.86
	Orissa	11569.55	16405.62	5084.23	3.10
	Rajasthan	13679.41	17884.26	5907.54	2.79
Lentil	Tamil Nadu	18679.49	25275.42	4525.64	5.54
	Bihar	11743.11	23270.08	2246.18	9.87
	Madhya Pradesh	13593.42	21720.67	3351.41	6.21
	Uttar Pradesh	18131.62	27820.78	3623.54	7.44
	West Bengal	22355.57	30006.84	3877.06	7.42
<b>III. Oilseeds</b>					
Groundnut	Andhra Pradesh	51099.00	72129.30	4010.79	16.53
	Gujarat	45410.44	59846.77	2859.24	17.43
	Karnataka	29477.47	38686.20	3777.03	9.72
	Maharashtra	44127.23	56900.39	4265.35	12.64
	Orissa	34272.39	47374.88	4075.23	11.18
	Tamil Nadu	59102.30	73352.04	4135.55	16.44
R & M	Assam	22739.49	29107.67	3658.13	7.95
	Bihar	21022.03	28874.38	2519.71	10.84
	Gujarat	26043.66	38100.37	2116.37	17.18
	Haryana	27149.30	46389.70	2538.45	16.53
	Madhya Pradesh	17513.00	32182.50	1907.18	15.89

(Contd.)

Table 8.3 (Contd.)

Crop	State	Cost of Cultivation (₹ / Hectare)		Cost of Production (₹ / Quintal)	Yield (Qtl./Ha.)
		A2+FL	C2	C2	
(1)	(2)	(3)	(4)	(5)	(6)
Soyabean	Rajasthan	22322.89	32892.06	2377.46	13.02
	Uttar Pradesh	24066.99	39658.10	2862.76	12.88
	West Bengal	27617.61	38168.95	3006.71	12.28
	Chhattisgarh	16263.07	21173.88	3484.13	5.90
	Madhya Pradesh	19631.75	27601.61	2989.38	8.76
	Maharashtra	31390.49	40639.40	2949.75	13.48
Sunflower	Rajasthan	18802.68	24250.38	3534.21	6.47
	Andhra Pradesh	24180.50	32165.88	4288.78	7.50
	Karnataka	14377.93	19255.45	4042.78	4.71
	Maharashtra	20079.34	23929.54	5214.95	4.52
Safflower	Maharashtra	19959.89	25904.37	2884.68	8.87
Nigerseed	Orissa	11918.41	16762.19	3900.66	4.22
Sesamum	Andhra Pradesh	17795.16	27358.53	8214.63	3.32
	Gujarat	22349.52	32275.62	6307.23	5.07
	Madhya Pradesh	15408.17	28801.53	5692.75	4.97
	Orissa	9913.05	15886.08	5590.06	2.78
	Rajasthan	10651.82	14408.90	6860.24	2.04
	Tamil Nadu	23559.72	32790.31	6272.40	5.19
	West Bengal	25314.27	34709.51	3260.95	10.21
Peas	Uttar Pradesh	25033.39	36988.47	3230.40	10.75
Sugarcane	Andhra Pradesh	54421.18	106047.00	147.79	716.80
	Haryana	55447.05	113004.60	198.23	549.09
	Karnataka	72160.40	113707.30	130.46	842.47
	Maharashtra	122361.74	170931.00	152.53	1073.38
	Tamil Nadu	120757.83	157651.00	161.29	961.29
	Uttar Pradesh	47953.83	86125.78	165.24	497.72
	Uttarakhand	49258.07	76289.80	160.13	453.07
Cotton	Andhra Pradesh	56853.57	83491.53	4252.82	19.63
	Gujarat	50667.14	70673.49	3344.53	20.82
	Haryana	47538.80	69750.63	4182.82	15.97
	Karnataka	36167.11	54962.35	3680.53	14.70
	Madhya Pradesh	27002.36	43816.10	3119.20	13.37
	Maharashtra	55242.69	73232.07	4036.48	17.93
	Orissa	36312.83	50193.22	4094.65	12.05
	Punjab	47485.07	74406.80	4073.29	17.16
	Rajasthan	53395.00	73625.20	3930.10	17.90

(Contd.)

Table 8.3 (Contd.)

Crop	State	Cost of Cultivation (₹ / Hectare)		Cost of Production (₹ / Quintal)	Yield (Qtl./Ha.)
		A2+FL	C2	C2	
(1)	(2)	(3)	(4)	(5)	(6)
Jute	Tamil Nadu	58022.65	74533.96	5333.20	13.93
	Assam	55070.98	68959.38	2618.67	23.67
	Orissa	43884.89	60043.73	2515.78	22.14
	West Bengal	46135.66	63084.48	2286.91	23.74
Onion	Andhra Pradesh	56172.95	81303.98	1629.75	49.58
	Gujarat	77662.10	104371.10	662.10	155.60
	Karnataka	28962.05	79367.60	973.30	81.09
	Maharashtra	100113.10	126867.00	756.94	164.68
Potato	Bihar	40204.14	48489.26	515.32	94.09
	Himachal Pradesh	50808.71	71853.27	907.01	79.22
	Uttar Pradesh	78256.32	102688.70	707.48	145.15
	West Bengal	110020.54	144492.60	738.06	195.77

Source: Directorate of Economics & Statistics, DAC&FW

Note:

1. Cost A2 includes all actual expenses in cash and kind incurred in production by owner and rent paid for leased in land.
2. Cost C2 includes all actual expenses in cash and kind incurred in production by owner, interest on value of owned fixed capital assets (including land), rental value of owned land (net of land revenue), rent paid for leased in land and imputed value of fixed capital assets.
3. FL: Family Labour, is imputed on the basis of statutory wage rate or the actual market rate whichever is higher.

**Table 8.4:** Marketed Surplus Ratio (MSR) of Important Agricultural Commodities in various States  
(Based on Comprehensive Scheme for Studying Cost of Cultivation of Principal Crops in India)

Group of Crops	State	MSR				
		2010-11	2011-12	2012-13	2013-14	2014-15
(1)	(2)	(3)	(4)	(5)	(6)	(7)
<b>I. Foodgrains : Cereals</b>						
1. Rice	Andhra Pradesh	91.06	83.07	87.86	89.11	91.73
	Assam	38.54	40.16	50.91	50.78	70.09
	Bihar	77.50	78.90	82.49	81.79	86.16
	Haryana	97.09	98.57	93.47	93.87	98.61
	Karnataka	94.56	84.02	84.15	87.48	94.40
	Kerala	87.80	77.30	86.15	93.52	84.70
	Madhya Pradesh	73.77	83.99	87.91	90.77	93.09
	Odisha	67.43	59.34	73.96	70.37	77.35
	Punjab	99.70	99.36	99.48	97.02	99.37
	Tamil Nadu	90.70	92.45	91.08	91.58	91.51
2. Wheat	Uttar Pradesh	76.20	80.18	83.11	85.37	78.43
	West Bengal	67.72	54.73	67.48	68.02	68.98
	<b>All-India</b>	<b>80.65</b>	<b>77.20</b>	<b>81.51</b>	<b>82.00</b>	<b>84.35</b>
	Bihar	74.58	78.03	81.30	80.47	82.26
	Gujarat	87.77	80.44	84.24	88.29	97.24
	Haryana	83.54	80.81	83.98	70.14	80.69
	Himachal Pradesh	39.48	48.68	58.30	52.61	48.54
	Madhya Pradesh	73.77	84.01	80.55	85.66	73.58
	Punjab	86.74	87.36	87.83	87.31	88.75
	Rajasthan	44.41	56.00	67.76	30.81	78.29
Uttar Pradesh		66.99	52.32	70.15	69.64	54.73
	<b>All-India</b>	<b>73.20</b>	<b>70.00</b>	<b>77.49</b>	<b>73.11</b>	<b>73.78</b>

(Contd.)

Table 8.4 (Contd.)

Group of Crops	State	MSR				
		2010-11	2011-12	2012-13	2013-14	2014-15
(1)	(2)	(3)	(4)	(5)	(6)	(7)
3. Maize	Andhra Pradesh	90.81	96.01	90.71	100.00	92.81
	Bihar	87.19	81.32	89.77	83.50	91.04
	Himachal Pradesh	48.19	55.24	55.85	52.38	54.60
	Karnataka	98.26	88.62	96.12	96.67	95.15
	Madhya Pradesh	77.02	88.45	92.58	90.26	91.52
	Rajasthan	67.77	54.66	50.00	52.05	67.48
	Uttar Pradesh	83.28	80.09	68.80	68.14	77.83
	<b>All-India</b>	<b>86.00</b>	<b>83.32</b>	<b>84.32</b>	<b>86.98</b>	<b>88.06</b>
	Andhra Pradesh	31.61	65.49	51.18	95.51	93.89
	Karnataka	76.88	46.37	58.52	73.97	86.17
4. Jowar	Madhya Pradesh	68.39	73.44	89.32	85.66	98.53
	Maharashtra	56.87	48.06	60.98	62.06	45.45
	Rajasthan	64.86	66.17	76.42	-	67.07
	<b>All-India</b>	<b>62.03</b>	<b>53.46</b>	<b>64.14</b>	<b>65.25</b>	<b>66.64</b>
	Gujarat	84.00	72.50	86.35	77.39	74.38
5. Bajra	Haryana	80.93	83.77	91.71	86.15	89.89
	Maharashtra	75.56	53.52	55.09	72.51	47.16
	Rajasthan	53.03	58.66	61.90	61.72	60.21
	Uttar Pradesh	81.60	81.67	83.79	77.68	80.02
	<b>All-India</b>	<b>67.38</b>	<b>67.48</b>	<b>76.77</b>	<b>71.11</b>	<b>68.42</b>
6. Barley	Rajasthan	86.08	79.25	85.00	87.53	87.50
	Uttar Pradesh	38.72	21.74	33.71	66.18	47.62
	<b>All-India</b>	<b>73.81</b>	<b>59.78</b>	<b>67.39</b>	<b>80.63</b>	<b>77.67</b>

(Contd.)

Table 8.4 (Contd.)

Group of Crops	State	MSR				
		2010-11	2011-12	2012-13	2013-14	2014-15
(1)	(2)	(3)	(4)	(5)	(6)	(7)
7. Ragi	Andhra Pradesh	-	-	-	-	-
	Karnataka	25.73	53.25	29.53	44.11	48.92
	<b>All-India</b>	<b>25.73</b>	<b>53.25</b>	<b>29.53</b>	<b>44.11</b>	<b>47.60</b>
<b>II. Pulses</b>						
8. Arhar	Karnataka	87.15	89.16	96.34	97.81	97.40
	Madhya Pradesh	78.49	89.34	94.07	93.43	93.36
	Maharashtra	69.48	72.72	83.30	89.13	85.16
	Odisha	65.86	61.37	74.58	73.85	54.37
	Uttar Pradesh	65.40	95.10	67.24	53.54	84.82
	<b>All-India</b>	<b>73.82</b>	<b>81.45</b>	<b>84.33</b>	<b>86.99</b>	<b>88.21</b>
9. Gram	Bihar	77.27	56.93	68.06	77.97	80.42
	Madhya Pradesh	92.92	88.75	89.04	90.30	93.31
	Rajasthan	86.46	88.62	80.23	91.23	94.14
	Uttar Pradesh	56.83	66.38	61.91	80.59	67.42
	<b>All-India</b>	<b>86.68</b>	<b>85.25</b>	<b>83.67</b>	<b>89.58</b>	<b>91.10</b>
10. Urad	Andhra Pradesh	52.66	29.64	92.91	99.03	99.60
	Madhya Pradesh	89.79	88.43	98.05	93.09	91.60
	Maharashtra	7.03	70.97	-	56.02	84.99
	Odisha	76.04	64.36	70.55	70.06	86.64
	Rajasthan	73.96	87.82	78.55	48.00	-
	Tamil Nadu	99.49	98.55	89.34	96.86	98.09
	Uttar Pradesh	89.43	82.43	83.44	61.90	83.31
	<b>All-India</b>	<b>63.61</b>	<b>70.04</b>	<b>77.76</b>	<b>80.71</b>	<b>85.56</b>

(Contd.)



Table 8.4 (Contd.)

Group of Crops	State	MSR				
		2010-11	2011-12	2012-13	2013-14	2014-15
(1)	(2)	(3)	(4)	(5)	(6)	(7)
11. Moong	Andhra Pradesh	96.20	88.08	93.54	100.00	100.00
	Maharashtra	87.55	81.29	85.26	87.50	100.00
	Odisha	69.60	65.59	73.88	79.34	75.55
	Rajasthan	76.16	91.59	83.57	94.27	89.81
	<b>All-India</b>	<b>81.54</b>	<b>87.32</b>	<b>85.55</b>	<b>92.22</b>	<b>90.65</b>
12. Lentil	Bihar	60.86	71.09	67.49	99.83	87.58
	Madhya Pradesh	98.27	89.55	96.00	95.48	98.63
	Uttar Pradesh	78.01	93.29	92.11	78.43	92.46
	<b>All-India</b>	<b>77.91</b>	<b>88.14</b>	<b>88.75</b>	<b>90.23</b>	<b>94.38</b>
<b>III. Oilseeds</b>						
13. Groundnut	Andhra Pradesh	96.82	79.24	94.40	88.71	96.92
	Gujarat	95.91	95.97	99.81	98.45	94.68
	Karnataka	92.70	95.36	84.81	93.95	96.34
	Maharashtra	54.75	58.79	75.71	71.14	33.81
	Tamil Nadu	98.49	95.14	97.14	97.60	97.99
	<b>All-India</b>	<b>93.36</b>	<b>90.78</b>	<b>93.54</b>	<b>95.20</b>	<b>91.63</b>
14. Rapeseed & Mustard	Gujarat	96.07	98.87	95.40	99.92	99.84
	Haryana	99.44	79.48	93.64	97.52	90.21
	Madhya Pradesh	82.03	89.51	97.49	98.31	97.39
	Rajasthan	77.12	87.54	94.60	95.50	94.02
	Uttar Pradesh	80.31	53.47	68.49	78.92	75.85
	West Bengal	87.40	67.71	71.26	92.56	77.18
	<b>All-India</b>	<b>82.14</b>	<b>82.08</b>	<b>90.41</b>	<b>94.49</b>	<b>90.94</b>

(Contd.)

Table 8.4 (Contd.)

Group of Crops	State	MSR				
		2010-11	2011-12	2012-13	2013-14	2014-15
(1)	(2)	(3)	(4)	(5)	(6)	(7)
15. Soyabean	Madhya Pradesh	95.69	94.41	95.32	90.91	97.60
	Maharashtra	-	-	-	100.00	-
	<b>All-India</b>	<b>95.69</b>	<b>94.41</b>	<b>95.32</b>	<b>95.23</b>	<b>71.00</b>
16. Sunflower	Andhra Pradesh	100.00	-	100.00	-	100.00
	Karnataka	99.12	100.00	98.76	99.29	100.00
	Maharashtra	100.00	91.23	100.00	-	-
	<b>All-India</b>	<b>99.58</b>	<b>65.62</b>	<b>99.18</b>	<b>65.42</b>	<b>89.14</b>
17. Sesamum	Gujarat	99.33	99.51	99.04	99.02	99.72
	Madhya Pradesh	92.75	92.93	96.77	96.52	96.64
	Odisha	70.90	89.91	-	-	-
	Rajasthan	68.49	88.02	80.06	82.86	89.32
	<b>All-India</b>	<b>83.18</b>	<b>92.79</b>	<b>89.00</b>	<b>92.91</b>	<b>93.80</b>
18. Safflower	Karnataka	55.12	-	-	-	100.00
	<b>All-India</b>	<b>55.12</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>100.00</b>
19. Nigerseed	Madhya Pradesh	60.61	-	-	-	97.78
	Odisha	97.33	94.67	97.67	-	-
	<b>All-India</b>	<b>83.66</b>	<b>94.67</b>	<b>97.67</b>	<b>-</b>	<b>38.25</b>
<b>IV. Other Commercial Crops</b>						
20. Sugarcane	Andhra Pradesh	99.92	-	99.91	-	-
	Haryana	-	100.00	100.00	64.00	-
	Karnataka	100.00	100.00	98.80	98.85	85.37
	Uttar Pradesh	85.71	85.71	85.71	-	-
	<b>All-India</b>	<b>78.90</b>	<b>78.02</b>	<b>77.84</b>	<b>21.62</b>	<b>18.94</b>

(Contd.)

Table 8.4 (Contd.)

Group of Crops	State	MSR				
		2010-11 (3)	2011-12 (4)	2012-13 (5)	2013-14 (6)	2014-15 (7)
(1)	(2)					
21. Cotton	Gujarat	99.88	99.33	99.68	95.79	98.71
	Haryana	99.40	96.88	99.05	98.96	98.36
	Karnataka	99.03	99.10	97.74	99.32	99.29
	Madhya Pradesh	100.00	100.00	99.96	100.00	100.00
	Rajasthan	100.00	89.56	99.01	100.00	97.90
	All-India	99.79	98.36	99.41	97.32	98.79
22. Jute	West Bengal	99.43	83.50	100.00	100.00	98.59
<b>All-India</b>		<b>99.43</b>	<b>83.50</b>	<b>100.00</b>	<b>100.00</b>	<b>98.59</b>
<b>V. Vegetables</b>						
23. Onion	Karnataka	97.25	75.36	99.23	99.29	91.29
	<b>All-India</b>	<b>97.25</b>	<b>75.36</b>	<b>99.23</b>	<b>99.29</b>	<b>91.29</b>
24. Potato	Bihar	82.15	87.21	87.25	81.46	-
	Uttar Pradesh	83.66	77.37	95.93	99.19	95.19
	West Bengal	76.69	71.86	73.41	-	83.38
<b>All-India</b>		<b>81.04</b>	<b>77.40</b>	<b>86.17</b>	<b>61.35</b>	<b>71.51</b>

Source: Directorate of Economics & Statistics, DAC&FW

Note: All India figures are weighted average of States listed above.

- Not Reported

# 9

## Procurement by Public Agencies

Table 9.1(a): State-wise Procurement of Rice and Wheat in Major Rice and Wheat Producing States (According to Marketing Year)

State	(‘000 Tonnes)												
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Rice (Oct-Sept)													
Punjab	8855	7829	7981	8554	9275	8634	7731	8558	8106	7786	9350	-	-
Haryana	2054	1777	1574	1425	1819	1687	2007	2609	2406	2015	2861	-	-
Uttar Pradesh	3151	2559	2891	4008	2901	2554	3355	2286	1127	1698	2910	-	-
Andhra Pradesh	4971	5328	7597	9058	7555	9609	7540	6464	3737	3596	4253	-	-
Telangana	-	-	-	-	-	-	-	-	4353	3504	1560	-	-
Madhya Pradesh	136	74	69	247	255	516	635	898	1045	807	849	-	-
Odisha	1785	2002	2357	2801	2497	2465	2864	3613	2801	3357	3030	-	-
Tamil Nadu	926	1077	969	1201	1241	1543	1596	481	684	1051	1065	-	-
West Bengal	1275	642	1429	1743	1240	1310	2036	1766	1359	2032	1543	-	-
Chhattisgarh	3265	2865	2743	2848	3357	3746	4115	4804	4290	3423	3442	-	-
Uttarakhand	336	176	147	349	375	422	378	497	463	465	597	-	-
Others	902	778	979	1870	1519	1712	2769	2044	1474	2306	2084	-	-
All-India	27657	25106	28736	34104	-----	34198	35041	34044	31845	32040	33544	-	-
Wheat (April-March)													
Punjab	9010	6946	6781	9941	10725	10209	10958	12834	10897	11641	10344	10645	10645
Uttar Pradesh	560	49	546	3137	3882	1645	3461	5063	682	628	2267	802	802
Haryana	4529	2229	3350	5237	6924	6347	6928	8665	5873	6495	6778	6722	6722
Rajasthan	159	2	383	935	1152	476	1303	1964	1268	2159	1300	759	759

(Contd.)

Table 9.1(a) (Contd.)

State	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16*	2016-17*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Chhattisgarh	-	-	-	-	-	-	-	-	-	-	-	-
Uttarakhand	41	Neg.	2	85	145	86	42	139	5	1	4	2
Bihar	1	-	8	500	497	183	557	772	0	0	0	-
Chandigarh	-	-	-	10	12	9	7	17	8	5	11	7
Delhi	3	-	1	6	-	10	8	31	Neg.	0	2	-
Gujarat	-	-	-	415	75	1	105	156	0	0	73	-
Himachal Pradesh	Neg.	-	-	Neg.	1	1	1	1	Neg.	Neg.	0	-
Jammu & Kashmir	Neg.	-	-	1	1	-	-	9	0	0	0	-
Madhya Pradesh	484	neg	57	2410	1968	3538	4965	8493	6355	7094	7309	3990
Maharashtra	-	-	-	10	-	-	-	2	0	0	0	-
Jharkhand	-	-	-	2	Neg.	Neg.	-	-	0	0	0	-
West Bengal	-	-	-	-	-	9	-	2	2	0	0	-
<b>All-India</b>	<b>14787</b>	<b>9226</b>	<b>11128</b>	<b>22689</b>	<b>25382</b>	<b>22514</b>	<b>28335</b>	<b>38148</b>	<b>25092</b>	<b>28023</b>	<b>28088</b>	<b>22927</b>

Source : Department of Food and Public Distribution.

\* Position as on 06.06.2016

Neg : Below 500 tonnes.

**Table 9.1 (b): State-wise Procurement of Coarse Grains in Major Producing States**

State	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Andhra Pradesh	0.00	61.12	176.53	6.87	0.00	0.00	0.00	28.00	5.00	0.00
Telangana	0.00	0.00	0.00	0.00	0.00	0.00	0.00	289.00	6.00	0.00
Chhattisgarh	0.00	2.34	8.81	1.04	2.61	1.00	0.00	3.00	0.00	0.00
Gujarat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Haryana	0.00	123.64	310.48	77.00	73.65	17.00	0.00	0.00	0.00	5.00
Karnataka	0.00	13.95	712.38	315.56	39.94	1.00	0.00	729.00	143.00	211.00
Madhya Pradesh	0.00	0.75	59.91	0.29	8.91	17.00	7.97	87.00	303.00	28.00
Maharashtra	0.20	1.76	107.02	6.07	2.70	Neg	63.85	96.00	7.00	17.00
Punjab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rajasthan	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
Bihar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
<b>Total</b>	<b>0.20</b>	<b>203.56</b>	<b>1375.12</b>	<b>406.83</b>	<b>127.83</b>	<b>36.00</b>	<b>71.83</b>	<b>1231.00</b>	<b>465.00</b>	<b>260.00</b>

Source: Department of Food and Public Distribution.

\* As on 07.12.2016

Neg: 500 tonnes

**Table 9.2 (a):** Statement showing Cotton Purchases by Cotton Corporation of India  
(Quantity in Thousand bales of 170 Kgs. Each)

States	2011-12			2012-13			2013-14			2014-15			2015-16*		
	MSP	Comm.	Total	MSP	Comm.	Total	MSP	Comm.	Total	MSP	Comm.	Total	MSP	Comm.	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
Punjab	0.00	11.76	11.76	0.00	18.44	18.44	0.00	70.27	70.27	127.72	0.00	127.72	0.00	0.00	0.00
Haryana	0.00	0.00	0.00	0.00	6.82	6.82	0.00	11.84	11.84	79.90	0.00	79.90	0.00	0.00	0.00
Rajasthan	0.00	4.88	4.88	0.00	20.80	20.80	0.00	16.69	16.69	87.87	0.00	87.87	0.00	0.00	0.00
Gujarat	0.00	217.44	217.44	0.00	1.85	1.85	0.00	75.48	75.48	666.50	0.00	666.50	51.50	0.00	51.50
Maharashtra	0.00	55.00	55.00	41.57	0.00	41.57	0.00	85.74	85.74	1763.19	0.00	1763.19	116.80	0.00	116.80
Madhya Pradesh	0.01	0.88	0.89	3.55	0.05	3.61	0.00	0.20	0.20	281.88	0.00	281.88	29.10	0.00	29.10
Andhra Pradesh	6.67	22.34	29.01	953.60	0.00	953.60	39.69	69.47	109.16	1755.56	0.00	1755.56	39.97	0.00	39.97
Karnataka	0.00	3.96	3.96	16.36	0.00	16.36	0.00	6.69	6.69	139.28	0.00	139.28	0.00	0.00	0.00
West Bengal	0.12	0.00	0.12	0.26	0.00	0.26	0.00	0.18	0.18	0.27	0.00	0.27	0.00	0.00	0.00
Odisha	0.00	4.96	4.96	50.05	0.00	50.05	0.00	4.58	4.58	102.99	0.00	102.99	11.63	0.00	11.63
Telangana	0.90	19.10	20.00	1221.29	0.00	1221.29	1.12	60.92	62.04	3690.95	0.00	3690.95	595.16	0.00	595.16
<b>Total</b>	<b>7.70</b>	<b>340.61</b>	<b>348.31</b>	<b>2286.69</b>	<b>47.96</b>	<b>1113.35</b>	<b>40.81</b>	<b>402.06</b>	<b>380.83</b>	<b>8695.79</b>	<b>0.00</b>	<b>8695.79</b>	<b>844.16</b>	<b>0.00</b>	<b>844.16</b>

Source: Cotton Corporation of India Ltd., Navi Mumbai

Note: (\*) As on December 2016



**Table 9.2 (b): Procurement of Cotton by NAFED**

States	(Quantity in Thousand bales of 170 Kgs. each)									
	2011-12		2012-13		2013-14		2014-15		2015-16*	
	MSP	Commercial	MSP	Commercial	MSP	Commercial	MSP	Commercial	MSP	Commercial
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Maharashtra	0.00	0.00	2.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gujarat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Andhra Pradesh	0.00	0.00	294.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>296.97</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

Source : National Agricultural Cooperative Marketing Federation of India Ltd (NAFED)

Note : (\*) As on December 2016

Table 9.3: State-wise Procurement of Raw Jute

(in lakh bale of 180 Kgs.)

State	2011-12 (MSP)			2011-12 (Commercial)			2012-13 (MSP)			2012-13 (Commercial)			2013-14 (MSP)			2013-14 (Commercial)		
	JCI	Coopr.	Total	JCI	Coopr.	Total	JCI	Coopr.	Total	JCI	Coopr.	Total	JCI	Coopr.	Total	JCI	Coopr.	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
West Bengal	0.84	0.04	0.88	0.18	0.00	0.18	2.12	0.25	2.37	0.34	0.00	0.34	0.49	0.01	0.50	0.39	0.00	0.39
Bihar	0.16	0.06	0.21	0.07	0.00	0.07	0.33	0.00	0.33	0.08	0.00	0.08	0.20	0.00	0.20	0.13	0.00	0.13
Assam	0.18	0.00	0.18	0.00	0.00	0.00	0.41	0.00	0.41	0.03	0.00	0.03	0.66	0.00	0.66	0.00	0.00	0.00
Meghalaya	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Odisha	0.01	0.00	0.01	0.00	0.00	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00
Andhra Pradesh	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.06	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00
Tripura	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total</b>	<b>1.20</b>	<b>0.09</b>	<b>1.29</b>	<b>0.25</b>	<b>0.00</b>	<b>0.25</b>	<b>2.94</b>	<b>0.25</b>	<b>3.20</b>	<b>0.44</b>	<b>0.00</b>	<b>0.44</b>	<b>1.37</b>	<b>0.01</b>	<b>1.38</b>	<b>0.52</b>	<b>0.00</b>	<b>0.52</b>

State	2014-15 (MSP)			2014-15 (Comm.)			2015-16 (MSP)			2015-16 (Comm.)			2016-17 (MSP)			2016-17 (Comm.)		
	JCI	Coopr.	Total	JCI	Coopr.	Total	JCI	Coopr.	Total	JCI	Coopr.	Total	JCI	Coopr.	Total	JCI	Coopr.	Total
(1)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)	(37)
West Bengal	0.13	0.01	0.15	0.26	---	0.26	0.00	0.00	0.00	0.02	0.00	0.02	0.03	0.00	0.03	0.47	0.00	0.47
Bihar	0.00	0.00	0.00	0.12	0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00	0.13
Assam	0.00	0.00	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.37	0.00	0.37
Meghalaya	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Odisha	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Andhra Pradesh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.04	0.00	0.00	0.00
Tripura	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total</b>	<b>0.14</b>	<b>0.01</b>	<b>0.16</b>	<b>0.41</b>	<b>0.00</b>	<b>0.41</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.05</b>	<b>0.00</b>	<b>0.05</b>	<b>0.08</b>	<b>0.00</b>	<b>0.08</b>	<b>0.97</b>	<b>0.00</b>	<b>0.97</b>

Source: Jute Corporation of India Ltd, Ministry of Textiles (upto 23.11.2016)

**Table 9.4:** Procurement of Oilseeds by NAFED under Price Support Scheme (PSS)

Sl. No.	Commodity Year	Support Price ₹ Per Qtl for FAQ	Quantity procured in MTs.	Value ₹ Lakhs.	Major States of Procurement
(1)	(2)	(3)	(4)	(5)	(6)
<b>1.</b>	<b>Soyabean</b>				
	2010-11	1440	NIL	NIL	
	2011-12	1690	NIL	NIL	
	2012-13	2240	NIL	NIL	
	2013-14	2560	NIL	NIL	
	2014-15	2560	NIL	NIL	
	2015-16	2600	NIL	NIL	
	2016-17	2675**	161.59	44.84	Maharashtra
<b>2.</b>	<b>Groundnut</b>				
	2010-11	2300	NIL	NIL	
	2011-12	2700	NIL	NIL	
	2012-13	3700	NIL	NIL	
	2013-14*	3700	830	332.02	Odisha
	2013-14	4000	340325	136130.13	Raj.,Guj., AP, Kar., UP, Maharashtra
	2014-15	4000	6230	2491.92	Odisha
	2015-16	4030	NIL	NIL	
	2016-17	4120**	71599	30214.95	Gujarat
<b>3.</b>	<b>Safflower Seed</b>				
	2010-11	1800	NIL	NIL	
	2011-12	2500	NIL	NIL	
	2012-13	2800	NIL	NIL	
	2013-14	3000	NIL	NIL	
	2014-15	3050	NIL	NIL	
	2015-16	3300	NIL	NIL	
	2016-17	3600**	NIL	NIL	
<b>4.</b>	<b>Mustard Seed</b>				
	2010-11	1850	NIL	NIL	
	2011-12	2500	NIL	NIL	
	2012-13	3000	NIL	NIL	
	2013-14	3050	NIL	NIL	
	2014-15	3100	1715	523.03	Rajasthan
	2015-16	3350	NIL	NIL	
	2016-17	3600**	NIL	NIL	
<b>5.</b>	<b>Sunflower Seed</b>				
	2010-11	2350	845	199.27	Haryana, Odisha
	2011-12	2800	NIL	NIL	
	2012-13	3700	1529	565.73	Karnataka
	2013-14	3700	4383	1621.63	Odisha, Karnataka, Andhra Pradesh
	2014-15	3750	4153	1536.69	Odisha, Haryana
	2015-16	3800	4242	1590.71	Odisha, Haryana
	2016-17	3850**	4949	1880.74	Odisha, Haryana

(Contd.)

Table 9.4 (Contd.)

Sl. No.	Commodity Year	Support Price ₹ Per Qtl for FAQ	Quantity procured in MTs.	Value ₹ Lakhs.	Major States of Procurement
(1)	(2)	(3)	(4)	(5)	(6)
<b>6</b>	<b>Copra</b>				
	2009-10	4450(Milling)	61281	28948.39	Kerala, T.N, A&N, Lakshadweep
		4700 (Ball)	1250	621.32	Karnataka
		3900 (Spl.)	2666	1099.17	Andhra Pradesh
	2010-11	4450(Milling)	30600	14531.76	Kerala, Karnataka, T.N, Lakshadweep
		4700 (Ball)	895	444.87	Karnataka
	2011-12	4525(Milling)	343	182.76	A&N Islands
		4775(Ball)	NIL	NIL	
	2012-13	5100(Milling)	66453	33891.03	T.N., Lakshadweep, Kerala, A.P, A&N
		5350 (Ball)	9230	4938.04	Karnataka and Kerala
		4335 (Spl.)	49	21.44	Andhra Pradesh
	2013-14	5250(Milling)	4328.71	2272.58	T.N., A&N, Kerala, A.P, Lakshadweep
		5500(Ball)	29535	16244.25	Karnataka
	2014-15	5250(Milling)	NIL	NIL	
		5500(Ball)	NIL	NIL	
	2015-16	5550(Milling)	NIL	NIL	
		5830(Ball)	NIL	NIL	
	2016-17	5950(Milling)	4488.943	1880.74	Tamil Nadu, Andhra Pradesh,
		6240(Ball)	10.219	6.38	Karnataka, Andhra Pradesh
<b>7</b>	<b>Sesamum</b>				
	2010-11	2850	1885	537.12	West Bengal
	2011-12	3400	NIL	NIL	
	2012-13	4200	NIL	NIL	
	2013-14	4500	NIL	NIL	
	2014-15	4600	NIL	NIL	
	2015-16	4700	NIL	NIL	
	2016-17	4800^	NIL	NIL	

Source : National Agricultural Cooperative Marketing Federation of India Ltd (NAFED)

\* Purchased at MSP(Rs 3700/) of 2012-13 for the year 2013-14

\*\* Bonus of Rs. 100 per quintal is payable over and above the MSP.

^ Bonus of Rs. 200 per quintal is payable over and above the MSP.

FAQ: Fair Average Quality

**Table 9.5:** Procurement of Onion by NAFED under Market Intervention Scheme

Year	Price (₹ Per Quintal)	Quantity Procured (Tonnes)	Value (₹ Lakh)	Major State (s) of Procurement
(1)	(2)	(3)	(4)	(5)
1996-97	300	60	1.98	Karnataka
1999-00	250	65000	1625	Maharashtra
2000-01	0	0	0	
2001-02	0	0	0	
2002-03	0	0	0	
2003-04	0	0	0	
2004-05	280	5000	0.73	Rajasthan
2005-06	0	0	0	
2006-07	0	0	0	
2007-08	0	0	0	
2008-09	0	0	0	
2009-10	0	0	0	
2010-11	0	0	0	
2011-12	0	0	0	
2012-13	0	0	0	
2013-14	0	0	0	
2014-15	0	0	0	
2015-16	0	0	0	

*Source :* National Agricultural Cooperative Marketing Federation of India Ltd (NAFED)

10

Per Capita Net Availability

**Table 10.1:** Per Capita Net Availability of Foodgrains (Per Annum) in India

Year	Rice	Wheat	Other Cereals	Cereals	Gram	Pulses	(Kgs Per Year)
							Food Grains
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1951	58.0	24.0	40.0	122.0	8.2	22.1	144.1
1956	68.7	22.5	40.7	131.9	10.6	25.7	157.6
1961	73.4	28.9	43.6	145.9	11.0	25.2	171.1
1966	59.1	34.8	37.5	131.4	6.7	17.6	149.0
1971	70.3	37.8	44.3	152.4	7.3	18.7	171.1
1976	68.5	29.1	39.2	136.8	7.4	18.5	155.3
1981	72.2	47.3	32.8	152.3	4.9	13.7	166.0
1985	68.9	50.6	32.1	151.6	4.7	13.9	165.5
1990	77.4	48.4	31.7	157.5	3.9	15.0	172.5
1991	80.9	60.0	29.2	171.0	4.9	15.2	186.2
1992	79.2	57.9	21.5	158.6	3.7	12.5	171.1
1993	73.4	51.2	31.6	156.2	3.9	13.2	169.4
1994	75.7	58.2	24.5	158.4	4.3	13.6	172.0
1995	80.3	63.0	23.7	167.0	5.4	13.8	180.8
1996	74.6	64.3	22.6	161.5	4.1	12.0	173.5
1997	78.1	65.4	26.6	170.1	4.5	13.5	183.6
1998	73.1	55.3	22.8	151.2	4.9	12.0	163.2
1999	74.2	59.2	23.1	156.7	5.3	13.3	170.0
2000	74.3	58.4	21.5	154.3	3.9	11.6	165.9
2001	69.5	49.6	20.5	141.0	2.9	10.9	151.9
2002	83.5	60.8	23.1	167.4	3.9	12.9	180.4
2003	66.2	65.8	17.1	149.1	3.1	10.6	159.7
2004	71.3	59.2	25.3	155.8	4.1	13.1	168.9
2005	64.7	56.3	21.7	142.7	3.9	11.5	154.2
2006	72.3	56.3	22.1	150.7	3.9	11.8	162.5
2007	70.8	57.6	20.3	148.7	4.3	12.9	161.6
2008	64.0	53.0	19.7	143.9	3.9	15.3	159.2
2009	68.8	56.5	23.3	148.6	4.7	13.5	162.1
2010	66.4	61.4	18.8	146.6	4.9	12.9	159.5
2011	66.3	59.7	23.9	149.9	5.3	15.7	170.9
2012	69.4	57.8	21.9	149.1	4.9	15.2	169.3
2013	72.1	66.8	19.2	158.1	5.6	15.8	179.5
2014	72.3	66.8	22.6	161.6	6.0	16.9	178.6
2015(P)	67.9	61.3	24.6	153.8	4.5	16.0	169.8

Source: Directorate of Economics and Statistics

(Contd.)

Table 10.1 (Contd.)

P- Provisional

*Note:-* The net availability of foodgrains is estimated to be Gross Production (-) seed, feed & wastage, , (-) exports (+) imports(+/-) change in stocks.

The net availability of foodgrains divided by the population estimates for a particular year indicate per capita availability of foodgrains in terms of kg/year. Net availability, thus worked out further divided by the number of days in a year i.e.,

365 days gives us net availability of foodgrains in terms of grams/ day.

Figures in respect of per capita net availability given above are not strictly representative of actual level of consumption in the country especially as they do not take in to account any change in stocks in possession of traders, producers and consumers.

Foodgrains includes rice, wheat, other cereals and all pulses



**Table 10.2:** Per Capita Net Availability of Foodgrains (Per Day) in India  
(Grams Per Day)

Year	Rice	Wheat	Other Cereals	Cereals	Gram	Pulses	Food Grains
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1951	158.9	65.7	109.6	334.2	22.5	60.7	394.9
1956	187.7	61.5	111.2	360.4	29.0	70.3	430.7
1961	201.1	79.1	119.5	399.7	30.2	69.0	468.7
1966	161.9	95.4	102.6	359.9	18.3	48.2	408.1
1971	192.6	103.6	121.4	417.6	20.0	51.2	468.8
1976	187.2	79.5	107.4	373.8	20.2	50.5	424.3
1981	197.8	129.6	89.9	417.3	13.4	37.5	454.8
1985	188.8	138.6	87.9	415.3	12.9	38.1	453.4
1990	212.1	132.6	86.8	431.5	10.7	41.1	472.6
1991	221.7	166.8	80.0	468.5	13.4	41.6	510.1
1992	217.0	158.6	58.9	434.5	10.1	34.3	468.8
1993	201.1	140.2	86.6	427.9	10.7	36.2	464.1
1994	207.4	159.5	67.1	434.0	11.8	37.2	471.2
1995	220.0	172.7	64.9	457.6	14.9	37.8	495.5
1996	204.4	176.0	62.0	442.5	11.3	32.7	475.2
1997	214.0	179.1	72.9	466.0	12.4	37.1	503.1
1998	200.3	151.5	62.4	414.2	13.4	32.8	447.0
1999	203.4	162.3	63.4	429.2	14.6	36.5	465.7
2000	203.7	160.0	59.0	422.7	10.8	31.8	454.4
2001	190.5	135.8	56.2	386.2	8.0	30.0	416.2
2002	228.7	166.6	63.4	458.7	10.7	35.4	494.1
2003	181.4	180.4	46.7	408.5	8.5	29.1	437.6
2004	195.4	162.2	69.3	426.9	11.2	35.8	462.7
2005	177.3	154.3	59.4	390.9	10.6	31.5	422.4
2006	198.0	154.3	60.5	412.8	10.7	32.5	445.3
2007	194.0	157.8	55.5	407.4	11.9	35.5	442.8
2008	175.4	145.1	54.1	394.2	10.6	41.8	436.0
2009	188.4	154.7	63.9	407.0	12.9	37.0	444.0
2010	182.0	168.2	51.4	401.7	13.5	35.4	437.1
2011	181.5	163.5	65.6	410.6	14.6	43.0	468.2
2012	190.2	158.4	60.0	408.6	13.5	41.7	463.8
2013	197.4	183.1	52.7	433.2	15.3	43.3	491.9
2014	198.0	183.0	61.8	442.9	16.3	46.4	489.3
2015(P)	186.0	168.0	67.4	421.4	12.4	43.8	465.1

Source: Directorate of Economics and Statistics

(Contd.)

Table 10.2 (*Contd.*)

## P- Provisional

*Note:-* The net availability of foodgrains is estimated to be Gross Production

(-) seed, feed & wastage, (-) exports (+) imports, (+/-) change in stocks.

The net availability of foodgrains divided by the population estimates for a particular year indicate per capita availability of foodgrains in terms of kg/year.

Net availability, thus worked out further divided by the number of days in a year I.e., 365 days gives us net availability of foodgrains in terms of grams / day.

Figures in respect of per capita net availability given above are not strictly representative of actual level of consumption in the country especially as they do not take into account any change in stocks in possession of traders, producers and consumers. Foodgrains includes rice, wheat, other cereals and all pulses

**Table 10.3:** Per Capita Availability of Certain Important Articles of Consumption

Year	Edible	Vanaspati <sup>b</sup>	Sugar	Cloth (meters) <sup>d</sup>			Tea	Coffee <sup>f</sup>
	Oil <sup>a</sup> (kg)	(kg)	(Nov-Oct) (kg) <sup>c</sup>	Cotton <sup>e</sup>	Man-made	Total	(gm)	(gm)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1960-61	3.2	0.8	4.8	13.8	1.2	15.0	296	80.0
1970-71	3.5	1.0	7.4	13.6	2.0	15.6	401	65.0
1971-72	3.0	1.1	6.8	12.4	2.2	14.6	426	65.0
1972-73	2.4	1.0	6.2	13.2	2.0	15.2	458	69.0
1973-74	3.4	0.8	6.1	12.0	1.9	13.9	492	64.0
1974-75	3.3	0.6	5.8	12.9	1.7	14.6	471	62.0
1975-76	3.5	0.8	6.1	12.6	2.0	14.6	446	62.0
1976-77	3.2	0.9	6.0	11.4	2.4	13.8	450	71.0
1977-78	3.8	0.9	7.2	9.5	4.0	13.5	516	73.0
1978-79	3.8	1.0	9.6	10.2	4.8	15.0	599	77.0
1979-80	3.7	1.0	7.8	10.1	4.6	14.7	521	73.0
1980-81	3.8	1.2	7.3	12.9	4.4	17.3	511	79.0
1981-82	5.1	1.3	8.2	12.2	4.9	17.1	466	79.0
1982-83	4.5	1.3	9.0	11.8	4.3	16.1	525	82.0
1983-84	5.8	1.2	10.5	12.6	4.7	17.3	519	78.0
1984-85	5.5	1.3	10.7	12.6	4.6	17.2	576	72.0
1985-86	5.0	1.3	11.1	15.4	6.1	21.5	589	71.0
1986-87	5.0	1.2	11.4	15.2	6.6	21.8	545	76.0
1987-88	5.8	1.2	11.7	14.0	7.0	21.0	592	72.0
1988-89	5.3	1.2	12.1	15.0	8.0	23.0	612	79.0
1989-90	5.3	1.1	12.3	14.6	8.1	22.7	571	65.0
1990-91	5.5	1.0	12.7	15.1	9.0	24.1	612	59.0
1991-92	5.4	1.0	13.0	13.7	9.2	22.9	655	64.0
1992-93	5.8	1.0	13.7	15.6	8.9	24.5	649	60.0
1993-94	6.1	1.0	12.5	15.9	10.3	26.2	667	56.0
1994-95	6.3	1.0	13.2	15.2	10.8	26.0	664	55.0
1995-96	7.0	1.0	14.1	16.3	11.7	28.0	646	55.0
1996-97	8.0	1.0	14.6	16.2	13.1	29.3	657	58.0
1997-98	6.2	1.0	14.5	15.9	15.0	30.9	635	58.0
1998-99	8.5	1.3	14.9	13.1	15.1	28.2	684	65.0
1999-00	9.0	1.4	15.6	14.2	16.4	30.6	642	55.0
2000-01	8.2	1.3	15.8	14.2	16.5	30.7	631	58.0
2001-02	8.8	1.4	16.0	14.8	17.2	32.0	650	67.0
2002-03	7.2	1.4	16.3	14.4	17.0	31.4	623	67.0
2003-04	9.9	1.2	16.1	13.4	17.6	31.0	662	70.0
2004-05	10.2	1.1	15.5	14.1	19.4	33.5	663	72.0

(Contd.)

Table 10.3 (Contd.)

Year	Edible	Vanaspati <sup>b</sup>	Sugar	Cloth (meters) <sup>d</sup>			Tea	Coffee <sup>f</sup>
	Oil <sup>a</sup> (kg.)	(kg.)	(Nov-Oct) (kg.) <sup>c</sup>	Cotton <sup>e</sup>	Man-made	Total	(gm)	(gm)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
2005-06	10.6	1.1	16.3	16.4	19.7	36.1	687	75.0
2006-07	11.1	1.2	16.8	18.0	21.6	39.6	687	77.0
2007-08	11.4	1.2	17.8	19.0	22.8	41.9	701	80.0
2008-09	12.7	1.3	18.8	17.9	21.1	39.0	704	82.0
2009-10	13.3	1.1	17.9	19.7	23.4	43.1	709	86.0
2010-11	13.6	1.0	17.0	21.4	22.6	44.0	715	90.0
2011-12	13.8	1.0	18.7	19.8	20.7	40.5	728	95.0
2012-13	15.8	0.7	18.7	19.9	18.6	38.5	779	97.0
2013-14	16.8	0.8	19.5	19.9	16.4	36.2	744	100.0
2014-15 (P)	18.3	0.8	20.3	23.6	17.0	40.6	752	100.0

Source: Economic Survey 2015-16

(P) Provisional

Note: a: Includes Groundnut Oil, Rapeseed and Mustard Oil, Sesamum Oil, Nigerseed Oil,

Soyabean Oil and Sunflower Oil but excludes oil for manufacture of Vanaspati.

b: Relates to calendar year.

c: Relates to actual releases for domestic consumption.

d: The data of cloth; prior to 1980-81 is calendar year wise, in meters up to 1984-85 and square meter from 1985-86 onwards.

e: Figures for blended/mixed fabrics were not separately available prior to 1969. These have been included under man-made fibre fabrics after 1969.

f: Figures upto 1971-72 relate to coffee season and thereafter on calendar year basis. The figures for 1972-73 correspond to 1973 and so on.

**Table 10.4(a):** Trends in percentage composition of consumer expenditure since 1993-94

Item group	Rural						Urban				
	Share in total consumer expenditure						Share in total consumer expenditure				
	1993-94	1999-00*	2004-05	2009-10	2011-12	2011-12	1993-94	1999-00*	2004-05	2009-10	2011-12
(1)	(2)	(3)	(4)	(5)	(6)	(6)	(7)	(8)	(9)	(10)	(11)
Cereal	24.2	22.2	18.0	15.6	12.0	12.0	14.0	12.4	10.1	9.1	7.3
Gram	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1
Cereal substitutes	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1
Pulses & products	3.8	3.8	3.1	3.7	3.1	3.1	3.0	2.8	2.1	2.7	2.1
Milk & products	9.5	8.8	8.5	8.6	9.1	9.1	9.8	8.7	7.9	7.8	7.8
Edible oil	4.4	3.7	4.6	3.7	3.8	3.8	4.4	3.1	3.5	2.6	2.7
Egg fish & meat	3.3	3.3	3.3	3.5	3.6	3.6	3.4	3.1	2.7	2.7	2.8
Vegetables	6.0	6.2	6.1	6.2	4.8	4.8	5.5	5.1	4.5	4.3	3.4
Fruits & nuts	1.7	1.7	1.9	1.6	1.9	1.9	2.7	2.4	2.2	2.1	2.3
Sugar	3.1	2.4	2.4	2.4	1.8	1.8	2.4	1.6	1.5	1.5	1.2
Salt & spices	2.7	3.0	2.5	2.4	2.4	2.4	2.0	2.2	1.7	1.5	1.7
Beverages, etc.	4.2	4.2	4.5	5.6	5.8	5.8	7.2	6.4	6.2	6.3	7.1
<b>Food total</b>	<b>63.2</b>	<b>59.4</b>	<b>55.0</b>	<b>53.6</b>	<b>48.6</b>	<b>48.6</b>	<b>54.7</b>	<b>48.1</b>	<b>42.5</b>	<b>40.7</b>	<b>38.6</b>
Pan, tobacco, intox.	3.2	2.9	2.7	2.2	2.4	2.4	2.3	1.9	1.6	1.2	1.4
Fuel & light	7.4	7.5	10.2	9.5	9.2	9.2	6.6	7.8	9.9	8.0	7.6
Clothing & bedding	5.4	6.9	4.5	4.9	6.3	6.3	4.7	6.1	4.0	4.7	5.3
Footwear	0.9	1.1	0.8	1.0	1.3	1.3	0.9	1.2	0.7	0.9	1.2
Misc. & services	17.3	19.6	23.4	24.0	26.1	26.1	27.5	31.3	37.2	37.8	39.7
Durable goods	2.7	2.6	3.4	4.8	6.1	6.1	3.3	3.6	4.1	6.7	6.3
Non-food total	36.8	40.6	45.0	46.4	51.4	51.4	45.3	51.9	57.5	59.3	61.5
<b>Total expenditure</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.1</b>

Source: National Sample Survey Office (NSSO)

\* Uniform Reference Period (URP) estimates shown except for 1999-2000, for which only Mixed Reference Period (MRP) estimates are available.

**Table 10.4(b):** Per capita Consumption of Different Commodities

Commodities	Year	Quantity in Kg/Litre/No.			
		Qty. consumed in a month		Qty. consumed per Annum	
		Rural	Urban	Rural	Urban
(1)	(2)	(3)	(4)	(5)	(6)
Rice & its Products (Kg)	1993-94	6.79	5.13	82.61	62.42
	1999-00	6.59	5.10	80.18	62.05
	2004-05	6.38	4.71	77.62	57.31
	2009-10	6.14	4.66	74.70	56.64
	2011-12	6.13	4.66	74.62	56.73
Wheat Atta & its Products (Kg)	1993-94	4.32	4.44	52.56	54.02
	1999-00	4.45	4.45	54.14	54.14
	2004-05	4.19	4.36	50.98	53.05
	2009-10	4.36	4.34	53.03	52.82
	2011-12	4.43	4.32	53.85	52.57
Other cereals (Kg)	1993-94	2.29	1.03	27.86	12.53
	1999-00	1.68	0.87	20.44	10.59
	2004-05	1.55	0.87	18.86	10.59
	2009-10	0.85	0.38	10.34	4.60
	2011-12	0.66	0.30	8.03	3.65
All cereals (Kg)	1993-94	13.40	10.60	163.03	128.97
	1999-00	12.72	10.42	154.76	126.78
	2004-05	12.12	9.94	147.46	120.94
	2009-10	11.35	9.37	138.08	114.05
	2011-12	11.22	9.28	136.51	112.91
All pulses & pulse products (Kg)	1993-94	0.76	0.86	9.25	10.46
	1999-00	0.84	1.00	10.22	12.17
	2004-05	0.71	0.82	8.64	9.98
	2009-10	0.65	0.79	7.92	9.60
	2011-12	0.78	0.90	9.53	10.96
All edible oil (Kg)	1993-94	0.37	0.56	4.50	6.81
	1999-00	0.50	0.72	6.08	8.76
	2004-05	0.48	0.66	5.84	8.03
	2009-10	0.64	0.82	7.74	9.95
	2011-12	0.67	0.85	8.20	10.38
Banana (No.)	1993-94	2.20	4.48	26.77	54.51
	1999-00	2.48	5.00	30.17	60.83
	2004-05	2.37	4.14	28.84	50.37
	2009-10	3.86	6.65	46.96	80.91
	2011-12	4.18	6.69	50.86	81.40
Coconut (No.)	1993-94	0.32	0.46	3.89	5.60
	1999-00	0.37	0.51	4.50	6.21
	2004-05	0.35	0.47	4.26	5.72
	2009-10	0.46	0.63	5.55	7.64
	2011-12	0.49	0.61	5.96	7.42
Mango (kg)	1993-94	0.06	0.12	0.73	1.46
	1999-00	0.10	0.16	1.22	1.95
	2004-05	0.09	0.11	1.10	1.34

(Contd.)

Table 10.4 (b) (Contd.)

Commodities	Year	Qty. consumed in a month		Qty. consumed per Annum	
		Rural	Urban	Rural	Urban
(1)	(2)	(3)	(4)	(5)	(6)
	2009-10	0.11	0.16	1.31	1.92
Apple (kg)	1993-94	0.03	0.11	0.37	1.34
	1999-00		0.08	0.00	0.97
	2004-05	0.03	0.12	0.37	1.40
	2009-10	0.05	0.16	0.55	1.92
	2011-12	0.06	0.19	0.71	2.32
Groundnut (kg)	1993-94	0.03	0.04	0.37	0.49
	1999-00	0.05	0.06	0.61	0.73
	2004-05	0.05	0.08	0.61	0.97
	2009-10	0.05	0.07	0.61	0.82
	2011-12	0.06	0.09	0.77	1.06
Vegetables* (Kg)	1993-94	2.71	2.91	32.97	35.41
	1999-00	3.30	3.49	40.15	42.46
	2004-05	2.92	3.17	35.53	38.57
	2009-10	4.04	4.12	49.14	50.11
	2011-12	4.33	4.32	52.71	52.61
Milk : liquid (litre)	1993-94	3.94	4.89	47.94	59.50
	1999-00	3.79	5.10	46.11	62.05
	2004-05	3.87	5.11	47.09	62.17
	2009-10	4.12	5.36	50.09	65.19
	2011-12	4.33	5.42	52.72	65.97
Eggs (No.)	1993-94	0.64	1.48	7.79	18.01
	1999-00	1.09	2.06	13.26	25.06
	2004-05	1.01	1.72	12.29	20.93
	2009-10	1.73	2.67	21.08	32.53
	2011-12	1.94	3.18	23.60	38.69
Fish (kg)	1993-94	0.18	0.20	2.19	2.43
	1999-00	0.21	0.22	2.56	2.68
	2004-05	0.20	0.21	2.45	2.51
	2009-10	0.27	0.24	3.27	2.90
	2011-12	0.27	0.25	3.24	3.07
Goat meat/ mutton (kg)	1993-94	0.06	0.11	0.73	1.34
	1999-00	0.07	0.10	0.85	1.22
	2004-05	0.05	0.07	0.57	0.85
	2009-10	0.05	0.09	0.57	1.11
	2011-12	0.05	0.08	0.60	0.96
Chicken (kg)	1993-94	0.02	0.03	0.24	0.37
	1999-00	0.04	0.06	0.49	0.73
	2004-05	0.05	0.09	0.61	1.03
	2009-10	0.12	0.18	1.50	2.19
	2011-12	0.18	0.24	2.17	2.91

Source: National Sample Survey Office (50, 55, 61, 66 & 68th Round)

\* Includes potato, onion, brinjal, cauliflower, cabbage and tomato

# 11

## Stock, Consumption and Storage Capacity



**Table 11.1 (a) :** Stock of Food grains in the Central Pool

(As on 1st January)

(Million Tonnes)

Year	Rice	Wheat	Coarse Cereals	Total
(1)	(2)	(3)	(4)	(5)
1991	9.63	9.38	0.12	19.13
1992	9.29	5.43	0.01	14.73
1993	9.48	3.47	0.18	13.13
1994	11.95	11.10	0.47	23.52
1995	17.42	12.88	-	30.30
1996	15.41	13.15	-	28.56
1997	12.94	7.08	-	20.02
1998	11.49	6.76	-	18.25
1999	11.68	12.70	-	24.38
2000	14.18	17.17	-	31.35
2001	20.70	25.04	0.03	45.77
2002	25.62	32.41	0.08	58.11
2003	19.37	28.83	-	48.20
2004	11.73	12.69	0.60	25.02
2005	12.76	8.93	0.00	21.69
2006	12.64	6.19	0.43	19.26
2007	11.98	5.43	0.09	17.50
2008	11.47	7.71	0.00	19.18
2009	17.58	18.21	0.40	36.19
2010	24.35	23.09	0.25	47.69
2011	25.58	21.54	0.10	47.22
2012	29.72	25.67	0.10	55.49
2013	32.22	34.38	0.09	66.69
2014	14.70	28.05	0.38	43.12
2015	11.74	25.11	0.26	37.11
2016	12.69	23.79	0.09	36.57

Source: Department of Food &amp; Public Distribution.

**Table 11.1 (b) : Existing Buffer Stock Norms for Food grains  
(applicable since 22.01.2015)**

(Million Tonnes)			
	Rice	Wheat	Total
(1)	(2)	(3)	(4)
1st April	13.58	7.46	21.04
1st July	13.54	27.58	41.12
1st October	10.25	20.52	30.77
1st January	7.61	13.80	21.41

*Source:* Department of Food & Public Distribution.

The above norms include a Food Security Reserve of 3 million tonnes of wheat from 1.7.2008 and 2 million tonnes of rice from 1.1.2009

**Table 11.2:** Consumption and Stock of Raw Jute

(Lakh Bales of 180 Kgs.each)

Year (July-June)	Consumption	Stock (End of Season)
(1)	(2)	(3)
1982-83	75.60	18.98
1983-84	63.83	20.91
1984-85	78.33	7.50
1985-86	87.68	42.42
1986-87	82.00	43.00
1987-88	74.00	34.00
1988-89	84.50	20.50
1989-90	86.00	9.50
1990-91	87.40	16.10
1991-92	79.50	32.00
1992-93	85.00	25.00
1993-94	87.50	9.50
1994-95	85.50	9.00
1995-96	87.00	5.00
1996-97	91.10	18.50
1997-98	130.00	27.00
1998-99	97.00	22.00
1999-00	97.50	10.50
2000-01	97.50	7.00
2001-02	100.00	16.00
2002-03	101.00	34.00
2003-04	96.00	33.00
2004-05	98.00	27.00
2005-06	98.00	8.00
2006-07	89.00	23.00
2007-08	108.00	22.00
2008-09	98.00	8.00
2009-10	89.00	12.00
2010-11	97.00	22.50
2011-12	103.00	31.00
2012-13	104.00	29.00
2013-14	96.00	24.00
2014-15	82.00	15.00
2015-16*	79.00	6.00

Source: Jute Corporation of India, Kolkata

\* Estimated

**Table 11.3 (a) : State-wise Storage capacity**

(In Lakh MTs)

Sl. No	States/ Uts	March, 2013	March, 2014	March, 2015	March, 2016
(1)	(2)	(3)	(4)	(5)	(6)
1	Bihar	11.21	11.50	10.49	15.10
2	Odisha	15.33	14.09	13.57	11.63
3	West Bengal	19.68	19.64	14.68	16.72
4	Sikkim	0.11	0.11	0.00	0.00
5	Jharkhand	1.69	2.11	2.95	2.53
	<b>Total East Zone</b>	<b>48.02</b>	<b>47.46</b>	<b>41.69</b>	<b>45.98</b>
6	Assam	6.07	6.25	5.76	6.29
7	Arunanchal Pradesh	0.23	0.23	0.28	0.23
8	Tripura	0.76	0.83	0.37	0.83
9	Manipur	0.30	0.31	0.32	0.32
10	Nagaland	0.46	0.46	0.33	0.45
11	Mizoram	0.26	0.26	0.25	0.67
12	Meghalaya	0.40	0.42	0.28	0.23
	<b>Total N.E Zone</b>	<b>8.48</b>	<b>8.77</b>	<b>7.59</b>	<b>9.02</b>
13	Delhi	5.16	5.14	3.67	3.67
14	Haryana	57.66	64.78	107.77	116.11
15	Himachal Pradesh	0.45	0.45	0.51	0.49
16	Jammu & Kashmir	1.41	1.75	2.10	2.49
17	Punjab	168.10	182.66	240.00	252.56
18	Chandigarh	3.70	4.09	0.00	0.00
19	Rajasthan	38.78	39.88	25.49	23.24
20	Uttar Pradesh	102.63	91.59	57.53	64.43
21	Uttarakhand	2.73	2.84	3.67	3.80
	<b>Total North Zone</b>	<b>380.60</b>	<b>393.18</b>	<b>440.74</b>	<b>466.79</b>
22	Andhra Pradesh	91.30	68.47	27.31	24.02
23	Telangana	-	-	19.79	20.88
24	Kerala	9.06	9.00	5.89	5.89
25	Karnataka	24.16	25.02	29.24	29.62
26	Tamil Nadu	23.36	24.41	17.58	16.99
27	Puducherry	0.84	0.84	0.00	0.00
28	A&N Islands	0.10	0.10	0.00	0.00
29	Lakshadweep	0.00	0.00	0.00	0.00
	<b>Total South Zone</b>	<b>148.82</b>	<b>127.84</b>	<b>99.81</b>	<b>97.40</b>
30	Gujarat	17.21	18.33	9.86	9.26
31	Maharashtra	50.66	53.43	31.79	31.55
32	Goa	0.50	0.50	0.20	0.20
33	Madhya Pradesh	59.20	68.63	59.17	129.66
34	Chhattisgarh	23.66	23.70	23.58	24.98
35	Daman & Diu	0.00	0.00	0.00	0.00
36	D&N Haveli	0.00	0.00	0.00	0.00
	<b>Total West Zone</b>	<b>151.22</b>	<b>164.58</b>	<b>124.60</b>	<b>195.65</b>
	<b>Grand Total</b>	<b>737.14</b>	<b>741.83</b>	<b>714.43</b>	<b>814.84</b>

Source: Department of Food & Public Distribution.

Note: Storage capacity pertains to FCI, CWC and SWC. It includes Owned and Hired, Covered and Cap Storage

**Table 11.3 (b) : State-wise Cold Storage capacity as on 31.3.2016**

Sl. No.	Name of the State/UT	No. of Project	Capacity (MT)
(1)	(2)	(3)	(4)
1	Andaman & Nicobar	2	210
2	Andhra Pradesh & Telangana	426	1729286
3	Arunachal Pradesh	1	5000
4	Assam	35	152706
5	Bihar	305	1416095
6	Chandigarh	7	12462
7	Chhattisgarh	98	484557
8	Delhi	97	129857
9	Goa	29	7705
10	Gujarat	692	2570973
11	Haryana	318	695795
12	Himachal Pradesh	53	105726
13	Jammu & Kashmir	33	100976
14	Jharkhand	57	226680
15	Karnataka	193	548001
16	Kerala	196	78105
17	Lakshadweep	1	15
18	Madhya Pradesh	294	1253715
19	Maharashtra	575	881860
20	Manipur	1	3000
21	Meghalaya	4	8200
22	Mizoram	3	4471
23	Nagaland	2	6150
24	Odisha	167	523139
25	Puducherry	3	85
26	Punjab	655	2152003
27	Rajasthan	159	521387
28	Sikkim	2	2100
29	Tamil Nadu	168	316583
30	Tripura	14	45477
31	Uttar Pradesh	2250	13978608
32	Uttarakhand	44	148921
33	West Bengal	511	5940511
<b>All India</b>		<b>7395</b>	<b>34050359</b>

Source: Directorate of Marketing and Inspection (DMI) upto 2009, National Horticulture Board (NHB), National Horticulture Mission (NHM) & Ministry of Food Processing Industries (MoFPI) afterwards.

**Table 11.3 (c) : State-wise Storage Capacity sanctioned since inception under Agricultural Marketing Infrastructure (AMI) Sub-Scheme of Integrated Scheme on Agricultural Marketing (ISAM) (erstwhile Gramen Bhandaran Yojna )**

Sl. No	Name of State/UT	Upto March, 2014			Upto March, 2015			Upto March, 2016		
		No. of godown projects sanctioned	Storage Capacity in MT	Sanctioned in MT	No. of godown projects sanctioned	Storage Capacity in MT	Sanctioned in MT	No. of godown projects sanctioned	Storage Capacity in MT	Sanctioned in MT
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1	Andhra Pradesh	1726	7337677	1225*	4833180	1326	5336995			
2	Arunachal Pradesh	1	945	1	945	1	945			
3	Assam	266	724806	266	724806	266	724806			
4	Bihar	976	465616	990	487187	990	487187			
5	Chhattisgarh	519	1646450	525	1662791	571	1925103			
6	Goa	1	299	1	299	1	299			
7	Gujarat	9293	3029714	9908	3392032	11346	4215750			
8	Haryana	2174	6205438	2198	6748691	2250	7581327			
9	Himachal Pradesh	71	22347	78	24798	78	24798			
10	Jammu & Kashmir	7	35648	7	35648	10	55648			
11	Jharkhand	16	79918	18	93071	23	142316			
12	Karnataka	4251	2933085	4421	3301374	4625	3570281			
13	Kerala	211	72653	211	90842	209	90507			
14	Madhya Pradesh	3127	6981671	3283	7805063	3592	9399049			
15	Maharashtra	3037	4845976	3153	5255291	3303	5707492			
16	Meghalaya	16	21012	16	21012	16	21012			
17	Mizoram	1	756	1	302	1	302			
18	Nagaland	2	250	1	814	1	814			
19	Odisha	416	778369	419	781575	419	781575			

(Contd...)

Sl. No	Name of State/UT	Upto March, 2014		Upto March, 2015		Upto March, 2016	
		No. of godown projects sanctioned	Storage Capacity Sanctioned in MT	No. of godown projects sanctioned	Storage Capacity Sanctioned in MT	No. of godown projects sanctioned	Storage Capacity Sanctioned in MT
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
20	Punjab	1671	6291363	1704	6376653	1732	6683289
21	Rajasthan	1242	1508474	1360	2054217	1422	2576013
22	Tamil Nadu	1037	1110793	1040	1122809	1070	1236214
22	Uttar Pradesh	1064	4731145	1081	4936198	1110	5196610
23	Uttarakhand	265	784677	266	786138	273	752046
24	West Bengal	2467	1352308	2480	1394533	2480	1394532
25	Tripura	2	7340	4	25756	4	25756
26	Telangana	0	0	583	3496782	676	4018522
27	UTs	0	0	0	0	0	0
	<b>Total</b>	<b>33859</b>	<b>50968730</b>	<b>35240</b>	<b>55452807</b>	<b>37795</b>	<b>61949188</b>

Source: Directorate of Marketing & Inspection, DAC&FW

\* Excluding Telangana state

12

Imports/ Exports/ Inflation Rates



**Table 12.1:** India's Imports and Exports of Agricultural Commodities

Year	Agriculture Imports	Total National Imports	% of Agriculture Imports to Total National Imports	Agriculture Exports	Total National Exports	% of Agriculture Exports to Total National Exports
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1990-91	1205.86	43170.82	2.79	6012.76	32527.28	18.49
1991-92	1478.27	47850.84	3.09	7838.04	44041.81	17.80
1992-93	2876.25	63374.52	4.54	9040.30	53688.26	16.84
1993-94	2327.33	73101.01	3.18	12586.55	69748.85	18.05
1994-95	5937.21	89970.70	6.60	13222.76	82673.40	15.99
1995-96	5890.10	122678.14	4.80	20397.74	106353.35	19.18
1996-97	6612.60	138919.88	4.76	24161.29	118817.32	20.33
1997-98	8784.19	154176.29	5.70	24832.45	130100.64	19.09
1998-99	14566.48	178331.69	8.17	25510.64	139751.77	18.25
1999-00	16066.73	215528.53	7.45	25313.66	159095.20	15.91
2000-01	12086.23	228306.64	5.29	28657.37	201356.45	14.23
2001-02	16256.61	245199.72	6.63	29728.61	209017.97	14.22
2002-03	17608.83	297205.87	5.92	34653.94	255137.28	13.58
2003-04	21972.68	359107.66	6.12	36415.48	293366.75	12.41
2004-05	22811.84	501064.54	4.55	41602.65	375339.53	11.08
2005-06	15977.75	660408.90	2.42	45710.97	456417.86	10.02
2006-07	23000.28	840506.31	2.74	57767.87	571779.28	10.10
2007-08	22549.81	1012311.70	2.23	74673.48	655863.52	11.39
2008-09	28719.24	1374435.55	2.09	81064.52	840755.06	9.64
2009-10	54365.29	1363735.55	3.99	84443.95	845533.64	9.99
2010-11	51073.97	1683466.96	3.03	113046.58	1136964.22	9.94
2011-12	70164.51	2345463.24	2.99	182801.00	1463959.31	12.47
2012-13	95718.89	2669161.96	3.59	227192.61	1634318.29	13.90
2013-14	85727.30	2715433.91	3.16	262778.54	1905011.00	13.79
2014-15	121319.02	2737086.58	4.43	239681.04	1896445.47	12.64
2015-16(P)	140288.69	2490298.08	5.63	215395.68	1716378.05	12.55

Source: Directorate General of Commercial Intelligence & Statistics, Department of Commerce.

(P) - Provisional

Note: Commodities covered under Agriculture sector have been revised after inter-Departmental consultation.

Table 12.2 : India's Imports of Agricultural Products

Commodity	2009-10		2010-11		2011-12		2012-13	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Tea	34.46	276.52	20.82	202.00	22.43	218.91	22.30	274.52
Coffee	40.88	297.34	41.63	295.00	46.06	469.52	71.20	795.72
Rice- Basmati	0.00	0.00	0.00	0.00	0.46	2.47	0.00	0.00
Rice (other than Basmati)	0.07	0.37	0.19	0.92	0.60	3.00	0.72	3.96
Wheat	164.38	231.90	185.28	255.84	0.02	0.08	2.94	6.03
Other cereals	33.69	76.33	30.68	59.53	15.36	30.04	45.58	111.01
Pulses	3749.99	10629.16	2777.83	7512.49	3495.84	9448.35	4013.24	13344.63
Tobacco unmanufactured	1.07	37.76	1.32	44.61	2.02	68.57	2.17	91.94
Tobacco manufactured	-	78.73	-	80.36	-	113.01	-	155.01
Spices	161.78	1476.04	124.49	1595.91	146.77	2284.85	175.56	2715.76
Cashew	755.96	3047.50	529.73	2649.07	811.90	5381.43	898.52	5433.91
Cashew nut shell liquid	0.00	0.00	0.04	0.07	0.20	0.32	0.14	0.33
Sesame seeds	9.23	53.26	8.73	37.66	0.61	3.93	38.05	296.03
Niger seeds	3.50	13.33	0.23	0.79	0.12	0.39	0.00	0.00
Groundnut	0.39	1.70	0.00	0.00	0.10	0.47	0.04	0.29
Other oil seeds	56.94	118.18	44.95	74.76	41.22	88.77	44.26	109.74
Vegetable oils	6734.45	22316.68	6039.02	25919.59	7081.98	38909.02	9606.24	53561.61

(Contd.)

Table 12.2 (*Contd.*)

Commodity	2013-14		2014-15		2015-16 (P)	
	Quantity	Value	Quantity	Value	Quantity	Value
(1)	(10)	(11)	(12)	(13)	(14)	(15)
Tea	22.74	291.68	28.39	388.66	23.72	377.47
Coffee	59.94	729.02	74.88	930.47	65.61	801.83
Rice- Basmati	0.00	0.00	0.00	0.00	0.00	0.00
Rice (other than Basmati)	1.44	8.29	1.96	10.83	1.02	5.91
Wheat	11.27	26.92	29.49	61.34	517.67	872.59
Other cereals	22.32	98.03	23.40	61.76	206.14	344.31
Pulses	3177.89	11036.75	4584.85	17062.94	5797.71	25619.06
Tobacco unmanufactured	1.55	79.52	1.93	98.17	2.88	137.30
Tobacco manufactured	-	168.87	-	200.28	-	193.92
Spices	155.58	3451.69	163.09	4393.25	193.44	5399.95
Cashew	776.33	4667.80	933.19	6599.74	961.67	8701.28
Cashew nut shell liquid	0.38	2.08	1.72	10.03	1.86	5.60
Sesame seeds	72.93	808.64	34.77	379.99	23.60	179.66
Niger seeds	0.70	3.73	0.70	3.73	5.78	44.14
Groundnut	0.11	0.36	0.13	0.49	0.11	0.31
Other oil seeds	54.70	166.79	51.56	163.29	62.51	218.62
Vegetable oils	7942.90	44038.04	12731.60	64889.60	15642.33	68676.62
Oil meals	126.94	199.87	165.10	272.65	255.01	429.91

*(Contd.)*

Table: 12.2 (Contd.)

Commodity	2009-10		2010-11		2011-12		2012-13	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Oil meals	127.73	104.69	79.22	75.03	86.13	98.72	148.30	210.38
Guargam meal	0.07	2.41	0.09	2.66	0.30	9.90	0.57	33.61
Castor oil	0.06	0.44	0.01	0.91	0.06	1.29	0.14	2.23
Shellac	3.55	34.10	3.29	50.55	0.54	22.15	2.78	172.61
Sugar	2551.42	5965.80	1034.58	2789.54	99.71	313.83	1122.25	3094.38
Mollases	45.54	32.29	7.29	6.15	12.40	4.35	14.68	7.50
Fruits / vegetable seeds	12.67	284.42	11.14	291.22	13.18	380.15	16.05	471.10
Fresh fruits	562.19	2843.47	630.23	3586.51	723.27	4610.84	802.14	6180.47
Fresh vegetables	5.40	8.14	16.61	40.60	5.04	7.31	7.03	11.24
Processed vegetables	-	77.90	-	117.48	-	120.19	-	149.01
Processed fruits and juices	-	191.12	-	251.54	-	314.93	-	432.02
Cereal preparations	39.11	188.92	37.73	243.43	45.82	316.39	50.42	359.98
Cocoa products	25.23	376.08	33.80	584.21	5.08	934.32	53.33	1049.25
Milled products	2.49	9.76	3.74	10.96	2.88	11.88	4.52	23.75
Misc processed items	-	552.34	-	664.01	-	915.19	-	1268.33
Animal casings	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Buffalo meat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sheep/goat meat	0.04	1.22	0.03	0.80	0.01	0.21	0.02	1.52

(Contd.)

Table 12.2 (Contd.)

Commodity	2013-14		2014-15		2015-16 (P)	
	Quantity	Value	Quantity	Value	Quantity	Value
(1)	(10)	(11)	(12)	(13)	(14)	(15)
Guargam meal	0.38	21.85	0.13	5.72	0.63	13.93
Castor oil	0.07	2.04	0.05	1.81	0.03	1.10
Shellac	0.68	45.80	1.77	59.54	0.71	19.48
Sugar	880.96	2286.86	1538.64	3668.21	1943.13	4037.86
Mollases	15.07	8.93	60.28	30.14	17.27	7.50
Fruits / vegetable seeds	8.29	449.48	14.01	611.53	14.33	703.03
Fresh fruits	769.14	7715.96	900.98	9566.81	839.54	11071.57
Fresh vegetables	25.98	41.67	8.24	11.14	140.73	394.45
Processed vegetables	-	173.94	10.96	104.45	15.38	120.33
Processed fruits and juices	-	410.83	33.55	499.54	38.96	526.49
Cereal preparations	53.47	419.34	72.72	583.93	61.49	574.89
Cocoa products	51.63	1071.55	65.39	1551.63	56.42	1398.91
Milled products	3.98	22.01	3.47	17.72	4.39	21.40
Misc processed items	-	1474.47	-	1785.23	-	1811.12
Animal casings	0.00	0.00	0.00	0.00	0.00	0.00
Buffalo meat	0.00	0.00	0.00	0.00	0.00	0.00
Sheep /goat meat	0.06	5.13	0.09	8.73	0.05	4.80
Other meat	0.36	15.80	0.47	19.50	0.50	17.18

(Contd.)

Table 12.2 (Contd.)

Commodity	2009-10		2010-11		2011-12		2012-13	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Other meat	0.33	6.67	0.35	7.01	0.54	12.48	0.43	15.71
Processed meat	1.41	9.79	0.78	7.56	0.96	9.74	0.57	9.02
Dairy products	-	333.64	-	847.83	-	1219.41	-	184.25
Poultry products	-	26.72	-	14.46	-	19.72	-	18.29
Floriculture products	-	45.88	-	45.48	-	68.64	-	85.67
Alcoholic beverages	-	1244.26	-	1029.13	-	1309.77	-	1416.77
Marine products	27.35	303.09	28.35	429.04	34.22	569.53	28.10	452.70
Ayush and herbal products	17.73	136.36	8.16	155.12	0.89	184.75	10.96	243.75
Jute, raw	62.66	149.49	83.30	302.49	181.26	449.17	148.73	370.79
Jute hessian	-	231.22	-	169.43	-	177.34	-	87.34
Cotton raw incld. Waste	-	1241.37	-	622.24	-	1059.19	232.55	2466.74
<b>Total Agricultural Imports</b>	<b>-</b>	<b>53056.37</b>	<b>-</b>	<b>51073.97</b>	<b>-</b>	<b>70164.51</b>	<b>-</b>	<b>95718.89</b>
<b>Total National Imports</b>	<b>-</b>	<b>1363735.55</b>	<b>-</b>	<b>1683466.96</b>	<b>-</b>	<b>2345463.24</b>	<b>-</b>	<b>2669161.96</b>
<b>% Share of Agricultural Import in National Imports</b>	<b>-</b>	<b>3.89</b>	<b>-</b>	<b>3.03</b>	<b>-</b>	<b>2.99</b>	<b>-</b>	<b>3.59</b>

(Contd.)

Table: 12.2 (Contd.)

Commodity	2013-14		2014-15		2015-16 (P)	
	Quantity (10)	Value (11)	Quantity (12)	Value (13)	Quantity (14)	Value (15)
(1)						
Processed meat	0.39	7.64	0.17	5.17	0.07	2.75
Dairy products	-	232.68	43.84	375.01	18.23	371.58
Poultry products	-	23.39	-	38.22	-	26.42
Floriculture products	-	112.19	4.82	113.37	4.77	114.40
Alcoholic beverages	-	2076.18	-	2508.66	-	2935.85
Marine products	31.22	411.01	27.72	453.90	50.13	639.77
Ayush and herbal products	10.86	318.50	23.48	352.58	11.67	354.35
Jute, raw	52.65	146.25	44.00	139.58	88.37	363.44
Jute hessian	-	79.92	-	177.79	-	181.41
Cotton raw incld. Waste	180.97	2375.78	289.39	3101.92	231.81	2566.21
<b>Total Agricultural Imports</b>	<b>-</b>	<b>85727.30</b>	<b>-</b>	<b>121319.02</b>	<b>-</b>	<b>140288.69</b>
<b>Total National Imports</b>	<b>-</b>	<b>2715433.91</b>	<b>-</b>	<b>2737086.58</b>	<b>-</b>	<b>2490298.08</b>
<b>% Share of Agricultural Imports in National Imports</b>	<b>-</b>	<b>3.16</b>	<b>-</b>	<b>4.43</b>	<b>-</b>	<b>5.63</b>

Source: Directorate General of Commercial Intelligence & Statistics, D/o Commerce, Kolkata.

(P) - Provisional

Note: Commodities covered under agriculture sector have been revised after inter-Departmental consultation.

Table 12.3: India's Exports of Agricultural Products

Commodity	2009-10		2010-11		2011-12		2012-13	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Tea	207.83	2943.53	238.15	3354.34	271.98	4078.53	268.80	4718.79
Coffee	157.13	2032.06	231.00	3009.91	276.52	4534.62	254.02	4711.07
Rice - Basmati	2016.87	10889.60	2330.25	11354.63	3169.45	15449.60	3459.83	19409.39
Rice (other than Basmati)	139.55	365.30	100.68	231.29	3991.77	8659.13	6687.85	14448.81
Wheat	0.03	0.05	0.40	0.70	749.63	1023.20	6514.82	10529.00
Other cereals	2881.22	2973.19	3220.09	3648.49	4072.57	5492.92	5441.31	8180.61
Pulses	100.13	408.32	209.02	870.04	173.50	1067.93	202.67	1284.99
Tobacco unmanufactured	230.80	3621.44	215.88	3151.58	197.17	2899.46	230.41	3815.76
Tobacco manufactured	-	722.96	-	833.61	-	1106.96	-	1214.47
Spices	601.40	5948.73	688.39	7886.51	858.20	13102.50	932.59	15176.75
Cashew	107.47	2801.58	92.38	2819.39	107.81	4390.16	104.09	4067.21
Cashew nut shell liquid	11.23	27.62	11.92	33.77	13.19	59.46	9.19	29.84
Sesame seeds	215.69	1494.10	360.13	2307.52	388.23	2641.66	299.48	2880.85
Niger seeds	6.00	24.23	12.86	44.51	28.23	117.27	17.90	90.13
Groundnut	340.26	1425.93	433.76	2178.41	832.62	5246.45	535.64	4065.36
Other oil seeds	49.79	139.36	42.82	113.40	61.81	201.43	87.59	414.61
Vegetable oils	14.75	182.90	13.71	114.62	29.67	269.10	36.09	469.35

(Contd.)



Table 12.3 (Contd.)

Commodity	2013-14		2014-15		2015-16 (P)	
	Quantity	Value	Quantity	Value	Quantity	Value
	(10)	(11)	(12)	(13)	(14)	(15)
(1)						
Tea	249.91	4873.34	234.39	4171.25	245.70	4719.00
Coffee	253.90	4799.10	463.55	4973.25	255.74	5125.45
Rice - Basmati	3754.10	29291.82	3698.93	27586.71	4045.83	22718.60
Rice (other than Basmati)	7148.47	17795.21	8302.21	20441.55	6464.59	15483.39
Wheat	5572.03	9277.65	2924.05	4991.81	666.68	1061.77
Other cereals	4637.54	7178.14	3515.35	5262.16	967.93	1702.50
Pulses	345.55	1748.81	222.14	1218.31	255.74	1656.03
Tobacco unmanufactured	237.11	4782.74	219.57	4162.71	215.32	4373.45
Tobacco manufactured	-	1351.72	-	1705.88	-	2078.91
Spices	896.57	15146.36	939.01	14847.74	831.68	16630.15
Cashew	120.74	5095.49	134.57	5565.85	103.13	5027.99
Cashew nut shell liquid	9.48	38.61	10.94	55.81	11.68	57.59
Sesame seeds	257.44	3583.46	375.66	4717.77	328.46	3012.31
Niger seeds	20.84	113.61	18.16	108.96	14.12	123.27
Groundnut	509.75	3187.66	788.31	4675.37	542.73	4075.63
Other oil seeds	194.46	945.53	247.54	1135.36	204.62	964.47
Vegetable oils	23.01	324.82	423.72	580.13	30.60	522.94

(Contd.)

Table 12.3 (Contd.)

Commodity	2009-10			2010-11			2011-12			2012-13		
	Quantity	Value	(2)	Quantity	Value	(3)	Quantity	Value	(4)	Quantity	Value	(5)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Oil meals	4671.14	7831.79	6945.17	11069.58	7405.19	11796.46	6578.17	16519.53				
Guar gum meal	217.41	1133.31	421.43	2938.70	702.73	16523.87	406.32	21287.00				
Castor oil	397.99	2179.28	424.46	2982.92	492.63	4571.67	565.99	4309.82				
Shellac	4.04	71.30	4.33	140.07	4.34	256.79	3.60	401.74				
Sugar	44.74	110.21	1733.87	5472.79	2749.43	8766.78	2793.78	8576.32				
Mollases	31.10	19.77	371.93	214.09	384.13	204.33	342.15	223.03				
Fruits / vegetable seeds	8.43	145.08	11.62	184.92	15.21	287.76	17.17	347.72				
Fresh fruits	475.76	1524.21	446.76	1355.19	488.00	1937.22	534.62	2686.57				
Fresh vegetables	2032.40	3014.32	1660.25	2620.48	2040.45	3023.31	2343.88	3407.19				
Processed vegetables	-	743.12	-	747.92	-	1043.72	-	1102.56				
Processed fruits and juices	-	1904.18	-	1859.96	-	2277.04	-	2577.32				
Cereal preparations	172.20	1030.09	213.58	1264.15	299.62	1888.62	292.69	2240.76				
Cocoa products	5.86	96.99	9.08	126.97	16.68	175.98	19.08	293.92				
Milled products	72.74	153.63	99.10	197.06	171.12	358.92	273.55	603.61				
Misc processed items	-	838.19	-	1065.48	-	1434.17	-	1853.98				
Animal casings	1.72	32.82	1.80	33.24	1.01	33.98	0.65	21.46				
Buffalo meat	490.40	5481.43	726.66	8613.31	984.96	13741.11	1076.10	17408.99				
Sheep/goat meat	53.07	745.94	12.30	258.83	10.94	252.83	15.29	426.47				

(Contd.)

Table: 12.3 (Contd.)

Commodity	2013-14		2014-15		2015-16 (P)	
	Quantity (10)	Value (11)	Quantity (12)	Value (13)	Quantity (14)	Value (15)
(1)						
Oil meals	6576.51	17070.13	3904.59	8129.18	2056.36	3599.56
Guargam meal	601.97	11735.39	665.11	9478.26	325.25	3233.87
Castor oil	544.80	4364.33	566.46	4710.42	586.78	4616.10
Shellac	7.75	514.03	5.24	267.47	6.39	203.31
Sugar	2477.64	7178.50	1955.19	5328.83	3844.45	9824.52
Mollases	211.65	147.29	247.61	193.01	818.57	656.81
Fruits / vegetable seeds	19.34	416.58	12.50	427.04	13.10	529.19
Fresh fruits	525.22	3645.62	539.23	3160.08	654.66	4191.24
Fresh vegetables	2291.75	5384.47	2081.80	4666.45	2104.36	5237.10
Processed vegetables	-	1288.86	186.04	1721.89	174.43	1697.21
Processed fruits and juices	-	3332.05	588.38	3626.86	532.28	3766.99
Cereal preparations	319.55	2856.26	313.67	3036.64	316.54	3358.11
Cocoa products	16.23	573.22	33.37	848.66	32.65	1267.61
Milled products	419.26	1008.00	420.85	1030.61	431.46	1102.73
Misc processed items	-	2531.48	-	2772.44	-	2907.81
Animal casings	0.35	28.46	0.26	19.33	0.21	17.02
Buffalo meat	1365.64	26457.82	1503.51	29282.58	1314.22	26684.22
Sheep /goat meat	22.61	694.12	23.61	828.11	21.95	837.76

(Contd.)

Table: 12.3 (Contd.)

Commodity	2009-10		2010-11		2011-12		2012-13	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Other meat	1.17	10.75	1.03	9.51	0.32	3.67	0.19	2.33
Processed meat	0.67	8.79	0.92	13.96	0.58	9.50	0.80	9.37
Dairy products	-	796.99	-	1216.76	-	647.79	-	2324.68
Poultry products	-	372.53	-	314.33	-	458.05	-	494.93
Floriculture products	-	294.46	-	296.04	-	365.32	-	423.45
Alcoholic beverages	-	584.87	-	819.86	-	1469.07	-	1932.45
Marine products	698.45	9899.98	785.07	11917.11	902.41	16584.71	965.10	18841.20
Ayush and herbal products	59.05	1247.05	70.58	1346.99	73.77	1696.97	84.49	2120.36
Jute, raw	48.32	54.40	36.02	128.33	28.11	80.92	33.80	95.67
Jute hessian	-	307.63	-	722.87	-	945.83	-	876.68
Cotton raw incld. Waste	-	9537.08	-	13162.42	-	21624.24	-	20276.51
<b>Total Agricultural Exports</b>	<b>-</b>	<b>86171.10</b>	<b>-</b>	<b>113046.58</b>	<b>-</b>	<b>182801.00</b>	<b>-</b>	<b>227192.61</b>
<b>Total National Exports</b>	<b>-</b>	<b>845533.64</b>	<b>-</b>	<b>1136964.22</b>	<b>-</b>	<b>1465959.31</b>	<b>-</b>	<b>1634318.29</b>
<b>% Share of Agricultural Exports in National Exports</b>	<b>-</b>	<b>10.19</b>	<b>-</b>	<b>9.94</b>	<b>-</b>	<b>12.47</b>	<b>-</b>	<b>13.90</b>

(Contd.)

Table: 12.3 (Contd.)

Commodity	2013-14		2014-15		2015-16 (P)	
	Quantity (10)	Value (11)	Quantity (12)	Value (13)	Quantity (14)	Value (15)
Other meat	0.27	3.40	0.26	2.67	0.00	0.00
Processed meat	0.51	7.68	0.41	14.20	0.28	6.16
Dairy products	-	4407.78	104.17	2169.03	77.52	1677.32
Poultry products	-	566.80	-	651.19	-	768.72
Floriculture products	-	455.90	22.95	460.80	22.69	483.41
Alcoholic beverages	-	2429.67	-	2264.89	-	2030.92
Marine products	1000.82	30627.28	1231.81	33688.38	978.03	31219.43
Ayush and herbal products	76.72	2208.55	92.06	2169.49	95.88	2385.49
Jute, raw	44.02	113.35	37.39	119.20	25.11	113.58
Jute hessian	-	859.59	-	770.08	-	824.89
Cotton raw incld. Waste	1947.70	22337.84	1142.53	11642.64	1347.07	12821.13
<b>Total Agricultural Exports</b>	<b>-</b>	<b>262778.54</b>	<b>-</b>	<b>239681.04</b>	<b>-</b>	<b>215395.68</b>
<b>Total National Exports</b>	<b>-</b>	<b>1905011.00</b>	<b>-</b>	<b>1896445.47</b>	<b>-</b>	<b>1716378.05</b>
<b>% Share of Agricultural Exports in National Exports</b>	<b>-</b>	<b>13.79</b>	<b>-</b>	<b>12.64</b>	<b>-</b>	<b>12.55</b>

Source: Directorate General of Commercial Intelligence & Statistics, D/o Commerce, Kolkata.

(P) - Provisional

Note: Commodities covered under agriculture sector have been revised after inter-Departmental consultation.

**Table 12.4 :** Tariffs and Bound Rates on Major Agricultural Commodities/Groups

(As on 22.12.2016)

Sl. No	Item description	Basic Customs duty (%)	Bound duty (%)
(1)	(2)	(3)	(4)
<b>I. Cereals and Pulses</b>			
1	Pulses	NIL	100
2	Wheat	NIL	100
3	Maize (Corn) seed	50	70
4	Rice in the husk	80	80
5	Husked (brown) rice; broken rice	80	80
6	Semi-milled or wholly milled rice whether or not polished	70	70
7	Millet, Jowar	50	70
8	Sorghum	50	80
9	Buck wheat	NIL	100
10	Other cereals (rye, barley etc.)	NIL	100
<b>II. Cereals Products</b>			
1	Atta	30	150
2	Maida	30	150
3	Sooji	30	150
4	Wheat and potato starch	30	35
5	Flour, meal and powder of dried leguminous vegetables including sago, tamarind and mango	30	150
6	Other starches	30	100
7	Roasted malt	30	100
8	Unroasted malt	30	40
<b>III Dairy Products</b>			
1	Fresh milk and cream	30	100
2	Butter and melted butter (ghee)	30/40	40
3	Cheese	30	40
4	Milk powder*	Nil	60
5	Yoghurt	30	150
<b>IV Plantation Crops</b>			
1	Tea	100	100
2	Coffee	100	100
3	Coconut	70	100
4	Copra	70	100
5	Cassia and cinnamon	30	100
6	Cloves	35	100
7	Other Spices	30/70	150/100
<b>V. Meat &amp; Poultry</b>			
1	Chicken sausages	100	150
2	Chicken leg (processed)	100	-

(Contd.)

Table: 12.4 (Contd.)

Sl. No	Item description	Basic Customs duty (%)	Bound duty (%)
(1)	(2)	(3)	(4)
3	Meat of chicken, not cut in pieces	30	100
4	Meat of bovine animals, fresh or chilled	30	100
5	Other meat and offal	30	100
6	Processed hams	30	-
7	Fish	30	-
<b>VI.</b>	<b>Raw/ White/ Refined Sugar</b>	<b>40</b>	<b>150</b>
<b>VII.</b>	<b>Horticulture</b>		
1	Apples	50	50
2	Grapefruit	25	25
3	Strawberries, dried apricots etc.	30	100
4	Banana	30	100
5	Pears and Quinces (fresh)	30	35
6	Oranges; lemons and limes; fresh grapes	30	40
7	Fresh pomegranates, lichi, tamarind (fresh), custard apple	15	30
8	Garlic	100	100
9	Onions & Shallots	NIL	100
10	Mushrooms	30	100
			contd...
11	Potato (fresh or chilled)	30	100
12	Sweet Potato	30	150
13	Frozen vegetables-peas, beans, spinach, sweet corn etc.	30	150
14	Other edible roots and tubers with high starch or insulin content, fresh or chilled (cassava)	30	150
15	Other vegetables (mixture of vegetables)	30	35
16	Arecanut	30	100
17	Hop cones (ground, powdered or in pellets)	30	75
18	Hop cones (other than ground, powdered or in pellets)	30	100
19	Betel leaves	30	100
20	Planting materials of oilseeds	-	-
21	Oilseeds, misc grains, seeds of fruits, industrial or medicinal plants (other than the kind used for sowing and hop cones)	30	100
22	Basil, hyasop, rosemary, sage, savory, comboge fruit rind	15	100

(Contd.)

Table: 12..4 (Contd.)

Sl. No	Item description	Basic Customs duty (%)	Bound duty (%)
(1)	(2)	(3)	(4)
23	Apricot, peach, cherries	30	100
24	Seeds of a kind used for sowing (other than vegetable seeds)	15	100
25	Vegetable seeds	5	10
26	Oil-cake and oil-cake meal solvent extracted (defatted) varieties of coconut/copra' oil-cake and oil-cake meal expeller variety of coconut/copra.other residue of coconut/copra	15	100
<b>VIII. Edible Oils (Crude)</b>			
1	Soyabean Oil	12.5	45
2	Palm Oil	7.5	300
3	Groundnut Oil	12.5	300
4	Sunflower/ Safflower	12.5	300
5	Coconut Oil	12.5	300
6	Rapeseed Oil	12.5	75
7	Colza or Mustard Oil	12.5	75
8	Castor Oil/ Tung Oil	12.5	300
9	Other Oils	12.5	300
10	Safflower	12.5	300
<b>IX Edible Oils (Refined)</b>			
1	Soyabean Oil	20	45
2	RBD Palmolein	20	300
3	Palm Oil	15	300
4	Groundnut Oil	20	300
5	Sunflower	20	300
6	Coconut Oil Edible grade	20	300
7	Coconut Oil Other	20	300
8	Rapeseed Oil	20	75
9	Colza or Mustard Oil	20	75
10	Castor Oil/ Tung Oil	20	300
11	Safflower	20	300
12	Other Oils edible grade	20	300

Source: Department of Revenue, Ministry of Finance.

\* Milk in powder granules or other solid forms (skimmed milk powder) upto an aggregate of 30,000 MTs of total import of such goods in a financial year.



**Table 12.5(a):** Trends in Wholesale Price Index of Foodgrains (Base:2004=100)

Commodity	Weight	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
<b>All Commodities</b>	100.00	126.0	130.8	143.3	156.1	167.6	177.6	181.2	176.7
(A) Primary Articles	20.12	137.5	154.9	182.4	200.3	220.0	241.6	248.8	249.6
(B) Fuel & Power	14.91	135.0	132.1	148.3	169.0	186.5	205.4	203.5	179.8
(C) Manufactured Products	64.97	120.4	123.1	130.1	139.5	147.1	151.5	155.1	153.4
<b>Foodgrains (Cereals+Pulses)</b>	4.09	145.3	166.4	174.4	180.7	207.1	226.0	235.0	233.2
(a) Cereals	3.37	143.1	161.2	169.7	176.2	199.9	225.5	233.6	235.2
Rice	1.79	140.6	157.9	167.2	172.3	194.2	226.2	241.4	237.4
Wheat	1.12	147.6	166.5	171.4	168.3	194.4	212.3	211.7	219.4
Jowar	0.10	151.2	168.6	189.5	248.6	235.8	251.2	288.5	281.9
Bajra	0.12	139.2	168.1	175.6	193.2	233.5	256.9	250.7	260.8
Maize	0.22	139.1	153.3	168.9	205.6	234.0	251.2	241.7	256.8
Barley	0.02	152.9	150.6	165.7	180.2	208.0	214.3	227.7	232.0
Ragi	0.02	134.9	174.7	173.8	204.9	278.3	337.3	327.5	330.0
(b) Pulses	0.72	155.8	190.8	196.9	201.8	241.3	228.0	241.4	336.7
Gram	0.33	153.8	152.2	150.0	193.8	266.3	217.3	198.0	279.8
Athar	0.14	144.3	214.7	205.1	183.2	199.4	212.3	230.8	357.9
Moong	0.08	150.4	233.8	280.4	244.4	259.5	295.9	358.0	404.5
Masur	0.06	196.2	228.2	194.5	162.8	193.9	217.2	265.4	337.2
Urad	0.10	159.8	228.4	271.8	240.0	227.7	234.3	288.3	438.0
(c) Sugar, Khandsari and Gur	2.09	106.8	161.9	160.5	167.7	185.7	183.0	182.7	167.1
Sugar	1.74	108.5	166.8	165.0	173.4	193.1	188.4	187.8	171.1
Gur	0.08	127.2	195.4	197.2	197.2	217.1	220.1	216.9	208.0
Khandsari	0.06	106.8	155.9	159.9	170.9	183.7	182.0	182.3	174.0
<b>Food Articles</b>	14.34	134.8	155.4	179.6	192.7	211.8	238.9	253.4	262.1
<b>Non-Food Articles</b>	4.26	129.2	136.2	166.6	182.7	201.9	213.2	212.1	219.5

Source: Office of the Economic Adviser, Ministry of Commerce & Industry.

**Table 12.5(b):** Growth Rate of Wholesale Price Index of Foodgrains (Base: 2004-05=100)

Commodity	Weight (2)	(Figures in Percentage)								
		2008-09 (3)	2009-10 (4)	2010-11 (5)	2011-12 (6)	2012-13 (7)	2013-14 (8)	2014-15 (9)	2015-16 (10)	
<b>All Commodities</b>	100.00	8.1	3.8	9.6	8.9	7.4	6.0	2.0	-2.5	
(A) Primary Articles	20.12	11.0	12.7	17.7	9.8	9.8	9.8	3.0	0.3	
(B) Fuel & Power	14.91	11.6	-2.1	12.3	14.0	10.3	10.2	-0.9	-11.7	
(C) Manufactured Products	64.97	6.2	2.2	5.7	7.3	5.4	3.0	2.4	-1.1	
<b>Foodgrains (Cereals+Pulses)</b>	4.09	11.0	14.5	4.9	3.6	14.6	9.1	4.0	7.7	
(a) Cereals	3.37	11.9	12.6	5.3	3.9	13.4	12.8	3.6	0.7	
Rice	1.79	14.8	12.3	5.9	3.1	12.7	16.5	6.7	-1.7	
Wheat	1.12	9.9	12.8	3.0	-1.8	15.5	9.2	-0.3	3.7	
Jowar	0.10	2.2	11.5	12.4	31.1	-5.1	6.5	14.9	-2.3	
Bajra	0.12	8.7	20.8	4.5	10.0	20.8	10.0	-2.4	4.0	
Maize	0.22	6.8	10.2	10.2	21.7	13.8	7.4	-3.8	6.2	
Barley	0.02	11.9	-1.5	10.0	8.8	15.5	3.0	6.2	1.9	
Ragi	0.02	9.4	29.5	-0.5	17.9	35.8	21.2	-2.9	0.7	
(b) Pulses	0.72	7.5	22.4	3.2	2.5	19.6	-5.5	5.9	39.5	
Gram	0.33	3.2	-1.1	-1.4	29.2	37.4	-18.4	-8.9	41.3	
Arhar	0.14	14.4	48.8	-4.5	-10.7	8.8	6.5	8.7	55.1	
Moong	0.08	6.5	55.4	19.9	-12.8	6.2	14.0	21.0	13.0	
Masur	0.06	34.7	16.3	-14.8	-16.3	19.1	12.0	22.2	27.1	
Urad	0.10	0.0	43.0	19.0	-11.7	-5.1	2.9	23.0	51.9	
(c) Sugar, Khandasari and Gur	2.09	17.5	51.6	-0.9	4.5	10.7	-1.5	-0.1	-8.5	
Sugar	1.74	16.2	53.7	-1.1	5.1	11.3	-2.4	-0.3	-8.9	
Gur	0.08	32.9	53.6	0.9	0.0	10.1	1.3	-1.5	-4.1	
Khandasari	0.06	18.3	46.0	2.6	6.9	7.5	-0.9	0.2	-4.6	
<b>Food Articles</b>	14.34	9.1	15.3	15.6	7.3	9.9	12.8	6.1	3.4	
<b>Non-Food Articles</b>	4.26	12.9	5.5	22.3	9.6	10.5	5.6	-0.5	3.5	

Source: Office of the Economic Adviser, Ministry of Commerce & Industry.

**Table 12.6(a):** Trends in Wholesale Price Index of Commercial Crops (Base: 2004-05=100)

Commodity		Weight	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
A. Oil Seeds	1.78	131.2	135.0	141.3	158.8	198.0	202.6	208.9	214.9	
Groundnut Seed	0.40	144.3	148.0	164.8	200.0	246.9	219.1	210.3	246.2	
Rape & Mustard Seed	0.34	144.4	139.2	135.1	149.8	202.7	189.3	193.9	225.0	
Cotton Seed	0.21	126.0	132.3	132.8	143.4	162.1	177.6	172.8	196.7	
Copra (Coconut)	0.25	82.7	70.6	92.9	112.9	92.4	117.4	186.2	147.4	
Gingelly Seed (Sesamum)	0.07	166.1	233.5	247.5	203.8	312.4	417.5	425.5	312.5	
Niger Seed	0.01	228.1	169.1	143.6	167.1	192.3	174.2	199.1	334.3	
Safflower (Kardi Seed)	0.01	120.5	122.2	134.6	138.4	149.5	158.0	136.0	151.9	
Sunflower	0.08	130.9	124.7	140.8	162.7	181.7	193.8	183.3	194.5	
Soyabean	0.37	129.8	141.2	128.4	140.8	211.9	226.3	216.5	210.0	
a1 Edible Oils	3.04	121.6	114.4	120.6	135.7	148.1	147.0	145.0	148.6	
Gingelly Oil	0.05	129.5	127.9	134.2	146.4	171.3	183.1	178.5	165.3	
Mustard & Rapeseed Oil	0.45	122.4	115.3	116.3	135.9	154.2	154.0	157.5	180.4	
Copra Oil	0.10	99.9	94.6	100.1	119.9	114.4	121.2	139.8	149.0	
Groundnut Oil	0.30	131.2	127.8	145.3	163.8	192.6	181.6	167.3	192.3	
Cotton Seed Oil	0.26	142.7	118.1	124.3	149.5	175.5	176.8	175.7	184.9	
Sunflower Oil	0.17	124.1	113.2	120.4	132.0	138.0	131.8	124.9	131.1	
Soyabean Oil	0.38	126.2	117.6	125.6	147.2	162.2	159.2	153.5	148.8	

(Contd.)

Table: 12.6(a) (Contd.)

Commodity	Weight	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
<b>B. Fruits and Vegetables</b>	3.84	134.9	147.8	172.1	183.2	198.4	244.3	257.3	254.0
b1. Vegetables	1.74	141.9	161.8	182.8	179.3	210.1	294.5	276.6	268.5
Potato	0.20	110.3	206.2	132.0	129.0	207.0	220.1	297.2	164.1
Onion	0.18	177.8	204.3	259.6	186.7	232.5	482.2	333.7	447.3
b2. FRUITS	2.11	129.1	136.2	163.2	186.4	188.8	202.9	241.5	242.0
Banana	0.34	132.5	146.6	163.0	173.4	210.5	246.6	288.2	265.5
Apple	0.10	134.7	171.2	173.6	220.4	241.4	228.6	240.1	234.5
Orange	0.13	138.3	148.6	185.3	237.4	228.3	208.9	237.7	219.6
<b>C. Condiments &amp; Spices</b>	0.57	151.2	182.7	244.0	237.5	209.5	245.6	298.8	342.6
Black Pepper	0.03	180.8	186.3	247.1	402.9	519.0	553.2	736.7	724.9
Chillies (Dry)	0.16	182.6	205.2	221.8	277.1	235.1	267.0	296.7	358.6
Turmeric	0.08	105.4	210.3	401.7	214.9	166.3	215.3	229.6	255.6
<b>D. Raw Cotton</b>	0.70	141.2	138.6	199.3	225.2	206.0	236.5	206.1	189.9
<b>E. Raw Jute</b>	0.06	137.9	160.5	210.7	222.5	242.4	261.9	288.1	403.5

Source: Office of the Economic Adviser, Ministry of Commerce &amp; Industry.

Table 12.6(b): Growth Rate (Inflation) of Wholesale Price Index of Commercial Crops (Base: 2004-05=100)

Commodity	Weight	(Figures in Percentage)									
		(1)	(2)	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16
A. Oil Seeds	1.78		(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
Groundnut Seed	0.40		15.9	2.9	4.7	12.3	24.7	2.3	3.1	2.9	
			2.8	2.5	11.4	21.4	23.4	-11.3	-4.0	17.1	
Rape & Mustard Seed	0.34		22.2	-3.6	-3.0	10.9	35.3	-6.6	2.5	16.0	
Cotton Seed	0.21		12.2	5.0	0.4	8.0	13.1	9.5	-2.7	13.8	
Copra (Coconut)	0.25		24.1	-14.6	31.6	21.5	-18.2	27.1	58.6	-20.8	
Gingelly Seed (Sesamum)	0.07		23.2	40.6	6.0	-17.7	53.3	33.7	1.9	-26.6	
Niger Seed	0.01		23.7	-25.9	-15.1	16.4	15.1	-9.4	14.3	67.9	
Safflower (Kardi Seed)	0.01		16.9	1.4	10.2	2.8	8.1	5.7	-13.9	11.7	
Sunflower	0.08		-0.9	-4.7	12.9	15.6	11.7	6.6	-5.4	6.1	
Soyabean	0.37		28.9	8.9	-9.1	9.7	50.5	6.8	-4.4	-3.0	
a1. EDIBLE OILS	3.04		4.8	-5.9	5.4	12.6	9.1	-0.8	-1.3	2.5	
Gingelly Oil	0.05		14.2	-1.2	4.9	9.0	17.0	6.9	-2.5	-7.4	
Mustard & Rapeseed Oil	0.45		12.0	-5.8	0.9	16.8	13.5	-0.1	2.3	14.6	
Copra Oil	0.10		6.6	-5.3	5.8	19.8	-4.6	5.9	15.4	6.5	
Groundnut Oil	0.30		-1.8	-2.6	13.6	12.8	17.5	-5.7	-7.9	14.9	
Cotton Seed Oil	0.26		7.4	-17.2	5.2	20.3	17.4	0.8	-0.6	5.2	
Sunflower Oil	0.17		-0.8	-8.8	6.4	9.6	4.5	-4.5	-5.2	5.0	
Soyabean Oil	0.38		6.3	-6.8	6.8	17.2	10.2	-1.9	-3.6	-3.0	

(Contd..)

Table: 12.6(b) (Contd.)

Commodity	Weight	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
<b>B. Fruits &amp; Vegetables</b>	3.84	8.2	9.6	16.4	6.5	8.3	23.1	5.4	-1.3
b1. Vegetables	1.74	3.5	14.0	13.0	-2.0	17.2	40.2	-6.1	-2.9
Potato	0.20	-24.9	87.0	-36.0	-2.3	60.5	6.3	35.1	-44.8
Onion	0.18	1.8	14.9	27.1	-28.1	24.6	107.4	-30.8	34.1
b2. FRUITS	2.11	12.9	5.5	19.8	14.2	1.3	7.5	19.0	0.2
Banana	0.34	9.9	10.7	11.2	6.4	21.4	17.2	16.9	-7.9
Apple	0.10	8.1	27.1	1.4	27.0	9.5	-5.3	5.0	-2.3
Orange	0.13	21.8	7.5	24.7	28.1	-3.8	-8.5	13.8	-7.6
<b>C. Condiments &amp; Spices</b>	0.57	5.8	20.8	33.6	-2.6	-11.8	17.2	21.7	14.6
Black Pepper	0.03	-2.1	3.0	32.7	63.1	28.8	6.6	33.2	-1.6
Chillies (Dry)	0.16	16.3	12.4	8.1	24.9	-15.2	13.6	11.1	20.9
Turmeric	0.08	27.4	99.5	91.0	-46.5	-22.6	29.4	6.6	11.3
<b>Raw Cotton</b>	0.70	26.3	-1.9	43.9	13.0	-8.5	14.8	-12.9	-7.9
<b>Raw Jute</b>	0.06	12.6	16.4	31.3	5.6	8.9	8.1	10.0	40.1

Source: Office of the Economic Adviser, Ministry of Commerce &amp; Industry.

# 13

## Land Use Statistics

Table 13.1: Agricultural Land by use in India

Sl. No.	Classification	(Million Hectares)										
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)		
I.	Geographical Area	328.73	328.73	328.73	328.73	328.73	328.73	328.73	328.73	328.73	328.73	
II.	Reporting Area for Land Utilisation Statistics (1 to 5)	284.32	298.46	303.75	304.16	304.86	305.19	305.13	305.36	305.57		
	1. Forest	40.48	54.05	63.83	67.46	67.81	69.84	69.72	69.82	69.97		
	%	14.24	18.11	21.01	22.18	22.24	22.88	22.85	22.87	22.90		
	2. Not Available for Cultivation (A+B)	47.52	50.75	44.61	39.55	40.48	41.23	41.33	41.64	41.98		
	(A) Area Under Non-agricultural Uses	9.36	14.84	16.48	19.60	21.09	23.75	23.91	24.12	24.52		
	%	3.29	4.97	5.42	6.44	6.92	7.78	7.84	7.90	8.02		
	(B) Barren & Un-culturable Land	38.16	35.91	28.13	19.96	19.39	17.48	17.41	17.52	17.47		
	%	13.42	12.03	9.26	6.56	6.36	5.73	5.71	5.74	5.72		
	3. Other Uncultivated land excluding Fallow Land (A+B+C)	49.45	37.64	35.13	32.31	30.22	27.74	27.49	27.53	27.11		
	(A) Permanent Pasture & other Grazing Land	6.68	13.97	13.26	11.99	11.40	10.66	10.53	10.45	10.48		
	%	2.35	4.68	4.37	3.94	3.74	3.49	3.45	3.42	3.43		
	(B) Land under Miscellaneous Tree Crops & Groves not included in Net Area Sown	19.83	4.46	4.37	3.58	3.82	3.44	3.44	3.43	3.38		
	%	6.97	1.49	1.44	1.18	1.25	1.13	1.13	1.12	1.11		
	(C) Culturable Waste Land	22.94	19.21	17.50	16.74	15.00	13.63	13.52	13.65	13.24		
	%	8.07	6.44	5.76	5.51	4.92	4.47	4.43	4.47	4.33		

(Contd.)



Table: 13.1 (Contd.)

Sl. No.	Classification	(Million Hectares)											
		(1)	(2)	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
		(P)	(P)	(12)	(13)	(14)	(15)	(P)	(P)	(P)	(P)	(P)	(P)
I.	Geographical Area			328.73	328.73	328.73	328.73	328.73	328.73	328.73	328.73	328.73	328.73
II.	Reporting Area for Land Utilisation Statistics (1 to 5)			305.59	306.88	307.09	307.23	307.41	307.41	307.48	307.39	307.49	307.80
	1. Forest			69.96	71.43	71.46	71.53	71.54	71.56	71.59	71.60	71.57	71.83
	%			22.89	23.28	23.27	23.28	23.27	23.28	23.28	23.29	23.28	23.34
	2. Not Available for Cultivation (A+B)			42.23	42.32	42.73	42.90	43.06	43.33	43.58	43.53	43.58	43.86
	(A) Area Under Non-agricultural Uses			24.76	24.99	25.45	25.88	26.21	26.16	26.40	26.31	26.50	26.91
	%			8.10	8.14	8.29	8.42	8.53	8.51	8.59	8.56	8.62	8.74
	(B) Barren & Un-culturable Land			17.47	17.33	17.29	17.02	16.85	17.18	17.18	17.22	17.07	16.95
	%			5.72	5.65	5.63	5.54	5.48	5.59	5.59	5.60	5.55	5.51
	3. Other Uncultivated land excluding Fallow Land (A+B+C)			27.09	27.06	27.04	26.81	26.42	26.50	26.15	26.11	26.08	25.83
	(A) Permanent Pasture & other Grazing Land			10.45	10.44	10.42	10.36	10.34	10.34	10.30	10.31	10.26	10.26
	%			3.42	3.40	3.39	3.37	3.37	3.36	3.35	3.36	3.34	3.33
	(B) Land under Miscellaneous Tree Crops & Groves not included in Net Area Sown			3.36	3.39	3.35	3.40	3.34	3.21	3.20	3.16	3.18	3.19
	%			1.10	1.10	1.09	1.11	1.09	1.05	1.04	1.03	1.03	1.04
	(C) Culturable Waste Land			13.27	13.22	13.27	13.04	12.73	12.95	12.65	12.64	12.64	12.39
	%			4.34	4.31	4.32	4.25	4.14	4.21	4.11	4.11	4.11	4.02
													(Contd.)

(Contd.)

Table: 13.1 (Contd.)

Sl. No.		Classification		(Million Hectares)									
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)			
4. Fallow Lands (A+B)		28.12	22.82	19.33	24.55	23.37	25.04	25.86	34.43	25.80			
(A) Fallow Lands other than Current Fallows		17.45	11.18	8.73	9.72	9.66	10.27	10.51	11.97	11.31			
%		6.14	3.75	2.87	3.20	3.17	3.36	3.45	3.92	3.70			
(B) Current Fallows		10.68	11.64	10.60	14.83	13.70	14.78	15.34	22.46	14.49			
%		3.76	3.90	3.49	4.88	4.49	4.84	5.03	7.36	4.74			
5. Net Area Sown (6-7)		118.75	133.20	140.86	140.29	142.87	141.34	140.73	131.94	140.71			
%		41.77	44.63	46.37	46.12	46.86	46.31	46.12	43.21	46.05			
6. Total Cropped Area (Gross Cropped Area)		131.89	152.77	165.79	172.63	185.74	185.34	188.01	173.89	189.66			
7. Area Sown more than once		13.15	19.57	24.93	34.63	42.87	44.00	47.28	41.95	48.95			
8. Cropping Intensity*		111.07	114.69	117.70	123.05	130.01	131.13	133.60	131.79	134.79			
III.	Net Irrigated Area	20.85	24.66	31.10	38.72	48.02	55.20	56.94	53.90	57.10			
IV.	Gross Irrigated Area	22.56	27.98	38.20	49.78	63.20	76.19	78.37	73.06	78.00	(Contd.)		

(Contd.)

Table: 13.1 (Contd.)

Sl. No. Classification		(Million Hectares)											
(1)	(2)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)		
	4. Fallow Lands (A+B)	25.67	24.91	26.03	24.98	24.48	26.85	24.60	25.18	26.32	24.85		
	(A) Fallow Lands other than Current Fallows	10.88	10.70	10.52	10.33	10.29	10.84	10.32	10.67	11.04	10.69		
	%	3.56	3.49	3.42	3.36	3.35	3.53	3.36	3.47	3.59	3.47		
	(B) Current Fallows	14.79	14.21	15.51	14.65	14.19	16.01	14.28	14.51	15.29	14.15		
	%	4.84	4.63	5.05	4.77	4.62	5.21	4.64	4.72	4.97	4.60		
	5. Net Area Sown (6-7)	140.64	141.16	139.82	141.02	141.90	139.17	141.56	140.98	139.94	141.43		
	%	46.02	46.00	45.53	45.90	46.16	45.27	46.04	45.86	45.51	45.95		
	6. Total Cropped Area (Gross Cropped Area)	191.10	192.74	192.38	195.22	195.33	189.00	197.56	195.69	194.14	200.86		
	7. Area Sown more than once	50.46	51.57	52.56	54.21	53.43	49.83	56.00	54.71	54.20	59.43		
	8. Cropping Intensity*	135.88	136.54	137.59	138.44	137.65	135.80	139.56	138.81	138.74	142.02		
III.	Net Irrigated Area	59.23	60.84	62.74	63.19	63.64	61.94	63.66	65.70	66.27	68.10		
IV.	Gross Irrigated Area	81.08	84.28	86.75	88.06	88.90	85.08	88.93	91.78	92.25	95.77		

Source: Directorate of Economics &amp; Statistics, DAC&amp;FW.

Note: 1: Percentages worked out over Reported Area.

2: In 2009-10 there is significant decline in Total Cropped Area and Net Area Sown due to decline in net area sown in the States of Andhra Pradesh, Bihar, Jharkhand, Rajasthan, Tamil Nadu, Uttar Pradesh and West Bengal. This was mainly due to deficient rainfall.

P: Provisional

\* Cropping Intensity is percentage of the gross cropped area to the net area sown.

**Table 13.2:** Selected Categories of Land Use

(Million Hectares)

Year	Net area sown	Total cropped area	Area sown more than once (3-2)	Net Irrigated Area	Gross Irrigated Area	Area Irrigated more than once (6-5)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1950-51	118.75	131.89	13.15	20.85	22.56	1.71
1951-52	119.40	133.23	13.83	21.05	23.18	2.13
1952-53	123.44	137.68	14.23	21.12	23.31	2.18
1953-54	126.81	142.48	15.67	21.87	24.36	2.49
1954-55	127.85	144.09	16.24	22.09	24.95	2.86
1955-56	129.16	147.31	18.16	22.76	25.64	2.88
1956-57	130.85	149.49	18.64	22.53	25.71	3.17
1957-58	129.08	145.83	16.75	23.16	26.63	3.47
1958-59	131.83	151.63	19.80	23.40	26.95	3.55
1959-60	132.94	152.82	19.89	24.04	27.45	3.42
1960-61	133.20	152.77	19.57	24.66	27.98	3.32
1961-62	135.40	156.21	20.81	24.88	28.46	3.58
1962-63	136.34	156.76	20.42	25.67	29.45	3.79
1963-64	136.48	156.96	20.48	25.89	29.71	3.82
1964-65	138.12	159.23	21.11	26.60	30.71	4.10
1965-66	136.20	155.28	19.08	26.34	30.90	4.56
1966-67	137.23	157.36	20.12	26.91	32.68	5.78
1967-68	139.88	163.74	23.86	27.19	33.21	6.01
1968-69	137.31	159.53	22.22	29.01	35.48	6.47
1969-70	138.70	162.27	23.57	30.20	36.97	6.78
1970-71	140.86	165.79	24.93	31.10	38.20	7.09
1971-72	139.72	165.19	25.47	31.55	38.43	6.88
1972-73	137.14	162.15	25.01	31.83	39.06	7.22
1973-74	142.42	169.87	27.46	32.55	40.28	7.74
1974-75	137.79	164.19	26.40	33.71	41.74	8.03
1975-76	141.65	171.30	29.64	34.59	43.36	8.77
1976-77	139.48	167.33	27.86	35.15	43.55	8.40
1977-78	141.95	172.23	30.28	36.55	46.08	9.53
1978-79	142.98	174.80	31.82	38.06	48.31	10.25
1979-80	138.90	169.59	30.69	38.52	49.21	10.69
1980-81	140.29	172.63	32.34	38.72	49.78	11.06
1981-82	142.12	176.75	34.63	40.50	51.41	10.91
1982-83	140.81	172.75	31.94	40.69	51.83	11.14
1983-84	143.21	179.56	36.35	41.95	53.82	11.88

(Contd.)

Table: 13.2 (Contd.)

Year	Net area sown	Total cropped area	Area sown more than once (3-2)	Net Irrigated Area	(Million Hectares)	
					Gross Irrigated Area	Area Irrigated more than once (6-5)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1984-85	140.90	176.33	35.43	42.15	54.53	12.38
1985-86	140.90	178.46	37.56	41.87	54.28	12.42
1986-87	139.58	176.41	36.83	42.57	55.76	13.19
1987-88	134.09	170.74	36.65	42.89	56.04	13.14
1988-89	141.89	182.28	40.39	46.15	61.13	14.98
1989-90	142.34	182.27	39.93	46.70	61.85	15.15
1990-91	143.00	185.74	42.74	48.02	63.20	15.18
1991-92	141.63	182.24	40.61	49.87	65.68	15.81
1992-93	142.72	185.70	42.98	50.29	66.76	16.47
1993-94	142.34	186.58	44.25	51.34	68.26	16.92
1994-95	142.96	188.05	45.09	53.00	70.65	17.65
1995-96	142.20	187.47	45.27	53.40	71.35	17.95
1996-97	142.93	189.50	46.57	55.11	76.03	20.91
1997-98	141.95	189.99	48.04	55.21	75.67	20.46
1998-99	142.75	191.65	48.90	57.44	78.67	21.23
1999-00	141.06	188.40	47.33	57.53	79.22	21.69
2000-01	141.34	185.34	44.00	55.20	76.19	20.98
2001-02	140.73	188.01	47.28	56.94	78.37	21.44
2002-03	131.94	173.89	41.95	53.90	73.06	19.16
2003-04	140.71	189.66	48.95	57.06	78.04	20.98
2004-05	140.64	191.10	50.46	59.23	81.08	21.85
2005-06	141.16	192.74	51.57	60.84	84.28	23.44
2006-07	139.82	192.38	52.56	62.74	86.75	24.01
2007-08	141.02	195.22	54.21	63.19	88.06	24.87
2008-09 (P)	141.90	195.33	53.43	63.64	88.90	25.26
2009-10 (P)	139.17	189.00	49.83	61.94	85.08	23.15
2010-11 (P)	141.56	197.56	56.00	63.66	88.93	25.27
2011-12 (P)	140.98	195.69	54.71	65.70	91.78	26.08
2012-13 (P)	139.94	194.14	54.20	66.27	92.25	25.98
2013-14 (P)	141.43	200.86	59.43	68.10	95.77	27.67

Source: Directorate of Economics &amp; Statistics, DAC&amp;FW

P: Provisional

**Table 13.3 : Gross Cropped Area Percentage Distribution**

Crop	Percentage Share of Area to Gross Cropped Area		
	2011-12 (P)	2012-13 (P)	2013-14 (P)
(1)	(2)	(3)	(4)
Rice	22.33	22.02	22.14
Jowar	3.16	3.25	2.87
Bajra	4.51	3.95	4.03
Maize	4.39	4.42	4.49
Ragi	0.60	0.58	0.60
Wheat	15.41	15.71	15.63
Barley	0.34	0.36	0.34
Other Cereals & Millets	0.44	0.41	0.36
<b>Coarse Cereals</b>	<b>13.44</b>	<b>12.96</b>	<b>12.69</b>
<b>Total Cereals</b>	<b>51.18</b>	<b>50.69</b>	<b>50.46</b>
Gram	3.97	4.11	4.68
Tur	1.92	1.80	1.76
Other Pulses	6.07	5.41	5.40
<b>Total Pulses</b>	<b>11.97</b>	<b>11.32</b>	<b>11.84</b>
<b>Total Food-grains</b>	<b>63.14</b>	<b>62.02</b>	<b>62.30</b>
Sugarcane	2.76	2.80	2.75
Condiments & Spices	1.86	1.69	1.64
<b>Total Fruits</b>	<b>2.06</b>	<b>2.12</b>	<b>2.07</b>
Potatoes	0.82	0.85	0.84
Onions	0.32	0.27	0.30
<b>Total Vegetables</b>	<b>2.78</b>	<b>2.80</b>	<b>2.79</b>
Groundnut	2.66	2.68	2.70
Sesamum	0.97	0.92	0.84
Rapeseed & Mustard	2.80	3.07	3.01
Linseed	0.12	0.12	0.11
Other Oil Seeds	7.80	8.16	8.32
<b>Total Oil Seeds</b>	<b>14.35</b>	<b>14.95</b>	<b>14.99</b>
Cotton	6.22	6.12	5.93
Jute	0.41	0.40	0.38
Mesta	0.04	0.04	0.03
<b>Total Fibers</b>	<b>6.71</b>	<b>6.59</b>	<b>6.37</b>
Tobacco	0.20	0.22	0.23
Other Crops	6.14	6.82	6.85
<b>Gross Cropped Area</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>

Source: Directorate of Economics & Statistics, DAC&FW.

P: Provisional

**Table 13.4 : State-wise Percent Coverage of Irrigated Area under Principal Crops during 2013-14 (Provisional)**

State/Union Territory	Rice	Jowar	Bajra	Maize	Wheat	Barley	Total Cereals	Gram	Tur or Arhar	Total pulses	Total Food-grains
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Andhra Pradesh	97.3	29.3	22.1	76.6	44.8	-	89.4	1.2	0.5	1.1	66.6
Arunachal Pradesh	36.1	-	-	-	53.7	-	24.6	-	-	-	23.5
Assam	11.0	-	-	3.1	8.4	-	10.9	-	-	1.7	10.3
Bihar	63.0	3.9	1.2	66.0	94.7	34.0	74.4	3.4	3.3	5.4	69.1
Chhattisgarh	35.3	0.1	-	8.7	75.3	4.8	34.3	44.0	0.6	15.7	31.3
Goa	33.8	-	-	-	-	-	33.8	-	-	100.0	44.3
Gujarat**	61.5	19.8	22.3	12.5	90.8	46.9	52.4	43.8	7.5	17.3	46.1
Haryana	100.0	77.6	42.2	21.9	99.5	92.7	93.7	11.4	88.6	22.5	92.0
Himachal Pradesh **	66.1	-	51.5	10.5	21.8	14.2	21.6	9.6	37.3	12.3	21.2
Jammu & Kashmir**	90.5	-	4.1	9.4	28.5	13.1	40.9	12.7	-	13.5	40.2
Jharkhand	5.3	2.7	-	4.3	88.4	4.8	9.9	6.9	0.0	3.4	9.1
Karnataka	75.3	10.0	11.9	36.5	55.9	-	36.2	13.9	6.6	8.3	26.9
Kerala	77.2	-	-	-	-	-	77.0	-	-	-	75.9
Madhya Pradesh	29.6	0.6	0.1	2.5	92.1	61.9	65.4	60.3	1.5	43.6	58.2
Maharashtra**	26.1	9.5	5.0	12.7	73.9	-	22.2	24.3	1.6	11.9	18.6
Manipur**	30.7	-	-	-	-	-	27.3	-	-	-	24.4

(Contd.)

Table 13.4 (Contd.)

State/Union Territory	Rice	Jowar	Bajra	Maize	Wheat	Barley	Total Cereals	Gram	Tur or Arhar	Total pulses	Total Food-grains
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Meghalaya	90.7	-	-	-	100.0	-	76.3	-	-	-	72.0
Mizoram	71.4	-	-	-	-	-	57.2	-	-	-	50.0
Nagaland	50.0	-	-	0.7	17.2	-	35.1	10.7	-	2.6	31.2
Orissa	33.0	-	-	3.9	100.0	-	31.7	-	-	6.5	29.2
Punjab	99.6	-	83.5	77.5	99.0	98.1	98.9	91.7	92.4	87.2	98.8
Rajasthan	57.8	0.1	3.4	1.5	99.4	97.0	38.8	35.7	5.6	18.2	32.5
Sikkim**	98.8	-	-	0.1	0.4	0.2	19.0	-	-	0.2	17.1
Tamil Nadu	93.4	13.5	15.4	44.7	41.7	-	70.3	4.2	11.0	10.8	56.4
Telangana	97.4	3.4	67.5	35.2	99.1	-	77.4	0.3	0.2	3.4	65.4
Tripura**	32.8	-	-	-	50.0	-	32.2	-	-	-	30.8
Uttarakhand	69.6	-	-	0.9	58.7	1.4	46.7	77.7	0.3	9.2	44.4
Uttar Pradesh	83.4	0.4	10.7	40.5	98.5	71.2	85.3	18.6	12.2	26.7	78.4
West Bengal**	46.9	65.5	76.5	43.4	98.7	-	49.7	18.0	8.3	15.0	48.4
<b>All India</b>	<b>59.6</b>	<b>9.6</b>	<b>9.0</b>	<b>27.2</b>	<b>93.6</b>	<b>76.6</b>	<b>59.5</b>	<b>35.2</b>	<b>4.3</b>	<b>19.7</b>	<b>51.9</b>

(Contd.)



Table: 13.4 (Contd.)

State/Union Territory	Sugar-cane	Groundnut	Rape-seed & Mustard	Soya-bean	Sun-flower	Total Oilseeds	Cotton	Tobacco	Total area under all crops
(1)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)
Andhra Pradesh	93.7	11.4	0.1	1.9	34.5	17.6	19.5	26.1	50.4
Arunachal Pradesh	-	-	-	-	-	-	-	-	19.3
Assam	1.3	-	-	-	-	2.5	-	-	9.1
Bihar	79.2	8.4	62.7	-	94.9	57.4	-	87.7	67.9
Chhattisgarh	86.7	12.3	7.6	2.1	98.1	4.2	87.8	82.6	30.7
Goa	100.0	84.8	-	-	-	10.4	-	-	24.3
Gujarat**	94.5	12.4	95.3	-	-	31.6	58.7	103.1	47.6
Haryana	99.9	98.5	83.4	-	100.0	83.6	99.8	100.0	88.2
Himachal Pradesh **	54.1	12.2	12.9	32.1	-	18.4	100.0	-	21.2
Jammu & Kashmir**	40.9	-	74.6	-	-	68.6	-	-	42.9
Jharkhand	84.6	0.3	53.3	-	1.1	22.7	88.9	-	14.2
Karnataka	99.8	31.7	3.8	6.6	22.4	30.0	27.7	3.8	33.5
Kerala	99.5	-	-	-	-	20.5	-	-	17.9
Madhya Pradesh	99.7	9.2	53.2	0.4	81.6	5.4	56.6	86.0	41.2
Maharashtra**	100.0	20.8	9.0	0.4	22.8	3.3	2.7	16.7	19.5
Manipur**	-	-	-	-	-	-	-	-	18.2

(Contd.)

Table: 13.4 (Contd.)

State/Union Territory	Sugar-cane	Groundnut	Rape-seed & Mustard	Soya-bean	Sun-flower	Total Oilseeds	Cotton	Tobacco	Total area under all crops
(1)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)
Meghalaya	-	-	64.6	-	-	45.8	-	-	37.0
Mizoram	-	-	-	-	-	-	-	-	14.2
Nagaland	-	-	8.0	-	3.1	4.4	-	-	20.0
Orissa	100.0	23.4	36.8	-	-	16.5	-	-	29.1
Punjab	97.0	32.8	94.5	-	100.0	89.6	100.0	-	98.5
Rajasthan	98.0	82.5	87.6	0.4	-	57.0	93.0	92.5	37.8
Sikkim**	-	-	0.4	-	-	0.2	-	-	8.6
Tamil Nadu	100.0	41.0	-	83.1	40.2	64.5	24.6	99.8	56.1
Telangana	100.0	90.8	98.8	7.5	86.2	41.7	12.6	62.9	50.3
Tripura**	-	-	-	-	-	7.0	-	-	26.8
Uttarakhand	98.5	4.5	46.9	2.2	7.5	25.5	-	-	49.5
Uttar Pradesh	94.7	4.0	84.6	0.1	91.2	48.2	95.4	99.7	78.8
West Bengal**	84.6	-	87.8	-	-	79.3	80.0	99.5	58.9
<b>All India</b>	<b>95.3</b>	<b>25.8</b>	<b>76.6</b>	<b>0.6</b>	<b>28.6</b>	<b>27.3</b>	<b>32.5</b>	<b>52.6</b>	<b>47.7</b>

Source: Directorate of Economics & Statistics, DAC&FW.

\*\*The figures related to irrigated area (Part-II) are either estimated based on the data for the latest available year received from the State/UT or are estimated/taken from Agriculture Census.

Table 13.5: Agricultural Land by Type of Use

State/Union- Territory/Year	Geogra- phical Area	Reporting area for land utilisation statistics	Forest	Land not available for culti- vation	Other uncultivated land excluding Fallow Land				Fallow Land			Net area sown Area	Total cropped area	Agri. Land/ Cultivable Land/ Culturable land/Arable land/ land/	Cropping Intensity (Col-14/ Col-15*100)
					Perma- nent pastures & other grazing lands	Land under Misc. tree crops & groves not incl. in net area sown	Cultur- able waste land	Total	Fallow lands other than current fallows	Cur- rent fallows	Terri- tory/				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
Andhra Pradesh															
2011-12	27507	27505	6230	4827	553	289	614	1455	1558	2273	3831	11161	13759	15894	123.3
2012-13	27507	27505	6227	4833	515	278	587	1380	1610	2337	3947	11117	13650	15930	122.8
2013-14	16020	16020	3493	3436	212	160	392	764	792	1087	1879	6448	8128	8879	126.0
Arunachal Pradesh															
2011-12	8374	7255	6748*	64	18	37	64	119	69	39	108	215	281	424	131.0
2012-13	8374	7255	6748*	64	18	36	64	119	69	38	107	216	285	424	131.7
2013-14	8374	7239	6732*	64	18	35	63	116	65	36	101	225	296	424	131.4
Assam															
2011-12	7844	7850	1853	2620	160	196	78	434	52	81	132	2811	4174	3217	148.5
2012-13	7844	7844	1855	2459	173	228	145	546	86	88	175	2809	4076	3356	145.1
2013-14	7844	7844	1853	2466	168	222	144	534	85	87	172	2820	4100	3357	145.4
Bihar															
2011-12	9416	9360	622	2134	16	245	45	306	121	781	902	5396	7647	6588	141.7
2012-13	9416	9360	622	2140	16	246	45	307	122	767	888	5402	7778	6582	144.0
2013-14	9416	9360	622	2144	15	247	45	308	120	913	1034	5252	7580	6578	144.3
(Contd.)															

(Contd.)

Table: 13.5 (Contd.)

State/Union-Territory/Year	Geographical Area	Reporting area for land utilisation statistics	Forest	Land not available for cultivation	Other uncultivated land excluding Fallow Land				Fallow Land			Net area sown Area	Total cropped area	Agri. Land/ Cultivable Land/ Culturable land/Arable land/	Cropping Intensity (Col-14/ Col-13*100)
					Perma- nent pastures & other grazing lands	Land under Misc. tree crops & groves not incl. in net area sown	Culturable waste land	Total	Fallow lands other than current fallows	Current fallows	Territory/				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
<b>Chhattisgarh</b>															
2011-12	13519	13790	6352	1017	863	1	352	1216	257	270	527	4677	5664	5557	121.1
2012-13	13519	13790	6352	1024	861	1	358	1220	265	257	522	4671	5691	5552	121.8
2013-14	13519	13790	6331	1027	882	1	349	1232	254	260	514	4686	5698	5550	121.6
<b>Goa</b>															
2011-12	370	361	125	37	1	1	53	54		12	12	132	164	197	124.4
2012-13	370	361	125	37	1	1	53	54		12	12	132	163	197	123.2
2013-14	370	361	125	37	1	1	53	54		15	15	129	158	197	122.2
<b>Gujarat</b>															
2011-12*	19602	19069	1834	3723	851	4	1960	2815	16	379	395	10302	13086	12661	127.0
2012-13*	19602	19069	1834	3723	851	4	1960	2815	16	379	395	10302	12600	12661	122.3
2013-14*	19602	19069	1834	3723	851	4	1960	2815	16	379	395	10302	12487	12661	121.2
<b>Haryana</b>															
2011-12	4421	4371	39	606	28	9	27	64	21	128	149	3513	6489	3698	184.7
2012-13	4421	4371	40	643	25	4	26	55	18	103	121	3513	6376	3664	181.5
2013-14	4421	4371	39	662	26	7	18	51	22	101	123	3497	6471	3645	185.0
<b>Himachal Pradesh</b>															
2011-12	5567	4576	1126	1127	1510	64	122	1696	22	54	76	550	932	812	169.4
2012-13*	5567	4576	1126	1127	1510	64	122	1696	22	54	76	550	960	812	174.5
2013-14*	5567	4576	1126	1127	1510	64	122	1696	22	54	76	550	943	812	171.4

(Contd.)

Table: 13.5 (Contd.)

State/Union-Territory/Year	Geographical Area	Reporting area for land utilisation statistics	Forest	Land not available for cultivation	Other uncultivated land excluding Fallow Land			Fallow Land			Net area sown Area	Total cropped area	Agri. Land/ Cultivable Land/ Culturable land/Arable land/	Cropping Intensity (Col-14/ Col-13*100)	
					Perma-nent pastures & other grazing lands	Land under Misc. tree crops & groves not incl. in net area sown	Cultur-able waste land	Total	Fallow lands other than current fallows	Cur-rent fallows					Terri-tory/
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
Jammu & Kashmir															
2011-12	22224	4012*	2254*	572	123	61	135	319	13	108	121	746	1161	1063	155.6
2012-13	22224	4012*	2254*	573	114	65	134	314	13	113	126	745	1162	1070	156.0
2013-14	22224	4012*	2254*	573	114	65	134	313	16	114	130	741	1155	1070	155.9
Jharkhand															
2011-12	7972	7970	2239	1339	121	99	343	564	1047	1532	2578	1250	1430	4271	114.4
2012-13	7972	7970	2239	1281	114	102	349	565	1038	1440	2478	1406	1657	4336	117.9
2013-14	7972	7970	2239	1274	114	98	353	565	1063	1445	2508	1384	1672	4343	120.8
Karnataka															
2011-12	19179	19050	3072	2220	908	285	413	1607	539	1672	2210	9941	12059	12850	121.3
2012-13	19179	19050	3073	2222	908	283	413	1604	535	1822	2358	9793	11748	12846	120.0
2013-14	19179	19050	3073	2230	906	281	411	1598	525	1700	2225	9923	12267	12840	123.6
Kerala															
2011-12	3886	3886	1082	531	0	3	95	99	58	77	135	2040	2662	2274	130.5
2012-13	3886	3886	1082	525	0	3	97	100	56	77	133	2048	2592	2280	126.5
2013-14	3886	3886	1082	526	0	3	97	100	57	71	128	2051	2617	2279	127.6
Madhya Pradesh															
2011-12	30825	30756	8691	3460	1321	23	1066	2410	535	424	958	15237	22516	17284	147.8
2012-13	30825	30756	8693	3513	1286	20	1025	2331	493	375	867	15352	23130	17264	150.7
2013-14	30825	30756	8691	3507	1291	20	1008	2319	468	350	818	15422	24047	17267	155.9
(Contd.)															

(Contd.)

Table: 13.5 (Contd.)

State/Union-Territory/Year	Geographical Area	Reporting area for land utilisation statistics	Forest	Land not available for cultivation	Other uncultivated land excluding Fallow Land				Fallow Land			Net sown Area	Total cropped area	Agri. Land/Cultivable Land/Culturable land/Arable land/	Cropping Intensity (Col-14/Col-13*100)
					Permanent pastures & other grazing lands	Land under Misc. tree crops & groves not incl. in net area sown	Culturable waste land	Total	Fallow lands other than current fallows	Current fallows	Territory/				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
Maharashtra*															
2011-12	30771	30758	5211	3179	1244	250	919	2413	1192	1378	2570	17386	22080	21125	127.0
2012-13	30771	30758	5207	3177	1245	251	916	2412	1200	1418	2618	17344	21943	21129	126.5
2013-14	30771	30758	5206	3184	1242	250	915	2407	1192	1401	2594	17368	23328	21127	134.3
Manipur*															
2011-12	2233	2128	1728*	27	1	6	1	8	0	0	0	365	365	372	100.0
2012-13	2233	2072	1728*	27	1	6	1	8	0	0	0	309	309	316	100.0
2013-14	2233	2111	1699*	27	1	6	1	8	0	0	0	377	377	384	100.0
Meghalaya															
2011-12	2243	2241	946	239		164	391	555	155	60	215	285	339	1056	118.9
2012-13	2243	2241	946	239		164	391	555	155	60	215	285	340	1056	119.0
2013-14	2243	2241	946	239		164	391	555	155	60	215	286	343	1056	120.0
Mizoram															
2011-12	2108	2075	1585	95	5	41	7	53	183	61	244	97	97	389	100.0
2012-13	2108	2094	1585	95	5	41	7	53	194	50	244	116	116	408	100.0
2013-14	2108	2093	1585	100	5	74	7	86	161	47	208	114	114	402	100.0
Nagaland															
2011-12	1658	1644	863	95		92	67	159	98	49	147	379	474	686	125.0
2012-13	1658	1652	863	95		94	70	164	99	50	150	380	489	694	128.5
2013-14	1658	1652	863	95		94	70	163	100	50	150	380	499	693	131.2

(Contd.)

Table: 13.5 (Contd.)

State/Union- Territory/Year	Geogra- phical Area	Reporting area for land utilisation statistics	Forest	Land not available for culti- vation	Other uncultivated land excluding Fallow Land				Fallow Land			Net area sown Area	Total cropped area	Agri. Land/ Cultivable Land/ Culturable land/Arable land/ land/	Cropping Intensity (Col-14/ Col- 13*100)	
					Perma- nent pastures & other grazing lands	Land under Misc. tree crops & groves not incl. in net area sown	Cultur- able waste land	Total	Fallow lands other than current fallows	Cur- rent fallows	Terri- tory/					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	
Odisha																
2011-12	15571	15367	5814	2297	508	200	536	1244	622	997	1619	4394	4964	6749	113.0	
2012-13	15571	15502	5814	2409	536	198	551	1285	659	949	1608	4386	5069	6743	115.6	
2013-14	15571	15467	5814	2332	524	216	575	1315	634	877	1511	4495	5168	6797	115.0	
Punjab																
2011-12	5036	5033	293	486	4	7	63	74	0	45	45	4134	7905	4250	191.2	
2012-13	5036	5033	262	480	5	9	62	76	6	58	64	4150	7870	4286	189.6	
2013-14	5036	5033	258	550	5	8	6	19	6	55	60	4145	7848	4219	189.3	
Rajasthan																
2011-12	34224	34267	2747	4271	1694	21	4169	5884	1855	1477	3331	18034	24505	25555	135.9	
2012-13	34224	34267	2750	4275	1694	23	4152	5870	2024	1869	3894	17479	23954	25548	137.0	
2013-14	34224	34267	2758	4274	1694	24	4000	5718	1847	1403	3250	18268	26120	25542	143.0	
Sikkim*																
2011-12	710	443	336*	10		4	4	8	5	7	12	77	137	97	177.8	
2012-13	710	443	336*	10		4	4	8	5	7	12	77	144	97	186.2	
2013-14	710	443	336*	10		4	4	8	5	7	12	77	147	97	190.5	
Tamil Nadu																
2011-12	13006	13033	2125	2669	110	252	329	691	1594	967	2561	4986	5890	8129	118.1	
2012-13	13006	13033	2125	2672	110	250	328	687	1696	1308	3004	4544	5140	8126	113.1	
2013-14	13006	13033	2125	2678	110	245	328	683	1718	1115	2833	4714	5897	8120	125.1	(Contd.)

Table: 13.5 (Contd.)

State/Union-Territory/Year	Geographical Area	Reporting area for land utilisation statistics	Forest	Land not available for cultivation	Other permanent pastures & other grazing lands	Other uncultivated land excluding Fallow Land				Fallow Land			Net sown Area	Total cropped area	Agri. Land/Cultivable Land/Culturable land/Arable land/	Cropping Intensity (Col-14/Col-13*100)
						Perma-nent	Land under Misc. tree crops & groves not incl. in net area sown	Culturable waste land	Total	Fallow lands other than current fallows	Current fallows	Territory/				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	
Telangana																
2013-14	11487	11484	2743	1510	302	114	178	593	717	960	1677	4961	6288	6929	126.7	
Tripura																
2011-12	1049	1049	629	143	2	13	3	18	2	1	3	255	371*	275	145.2	
2012-13	1049	1049	629	144	2	12	3	17	2	1	3	255	368*	274	144.3	
2013-14	1049	1049	629	145	1	12	3	16	2	2	3	255	383*	273	150.0	
Uttarakhand																
2011-12	5348	5673	3485	443	199	386	311	895	87	48	135	714	1132	1546	158.5	
2012-13	5348	5673	3485	449	192	390	315	897	86	51	136	706	1124	1547	159.2	
2013-14	5348	5992	3800	450	192	389	317	898	86	57	143	701	1099	1550	156.8	
Uttar Pradesh																
2011-12	24093	24170	1656	3350	66	350	420	836	533	1173	1705	16623	25939	19099	156.0	
2012-13	24093	24170	1658	3371	66	350	423	839	537	1201	1739	16564	25821	19075	155.9	
2013-14	24093	24170	1658	3491	65	325	410	801	539	1135	1674	16546	25896	18955	156.5	
West Bengal																
2011-12	8875	8684	1174	1810	4	52	31	86	18	399	417	5198	9353	5697	179.9	
2012-13	8875	8684	1174	1834	3	50	24	76	15	379	395	5205	9459	5673	181.7	
2013-14	8875	8684	1174	1846	2	49	18	69	12	349	362	5234	9618	5662	183.8	

(Contd.)



Table: 13.5 (Contd.)

State/Union- Territory/Year	Geogra- phical Area	Reporting area for land utilisation statistics	Forest	Land not available for culti- vation	Other uncultivated land excluding Fallow Land				Fallow Land			Net area sown Area	Total cropped area	Agri. Land/ Cultivable Land/ Culturable land/Arable land/ land/	Cropping Intensity (Col-14/ Col- 13*100)
					Perma- nent pastures & other grazing lands	Land under Misc. tree crops & groves not incl. in net area sown	Cultur- able waste land	Total	Fallow lands other than current fallows	Cur- rent fallows	Terri- tory/ land/				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
Andaman & Nicobar Islands															
2011-12*	825	757	717	9	4	4	3	11	3	3	6	15	18	28	121.4
2012-13*	825	757	717	9	4	4	3	11	3	3	6	15	25	28	166.8
2013-14*	825	757	717	9	4	4	3	11	3	3	6	15	24	28	165.1
Chandigarh															
2011-12*	11	7	0	5		0		0	0	0	0	1	2	2	151.5
2012-13*	11	7	0	5		0		0	0	0	0	1	2	2	151.5
2013-14*	11	7	0	5		0		0	0	0	0	1	2	2	151.5
Dadar & Nagar Haveli															
2011-12	49	49	20	4	1		0	1	1	2	3	20	25	24	121.4
2012-13	49	49	20	4	1		0	1	2	2	3	20	24	24	121.0
2013-14	49	49	20	4	1		0	1	2	2	4	19	23	24	122.2
Daman & Diu															
2011-12	11	4		0	0	0	0	1	0	0	0	3	3	4	104.7
2012-13	11	3		0	0	0	0	0	0	0	0	3	3*	3	122.6
2013-14*	11	3		0	0	0	0	0	0	0	0	3	3	3	122.6
Delhi															
2011-12	148	147	1	93	0	1	10	11	8	12	20	22	40	53	182.1
2012-13*	148	147	1	93	0	1	10	11	8	12	20	22	48	53	218.6
2013-14*	148	147	1	93	0	1	10	11	8	12	20	22	35	53	161.4
(Contd.)															

(Contd.)

Table: 13.5 (Contd.)

State/Union- Territory/Year	Geogra- phical Area	Reporting area for land utilisation statistics	Forest	Land not available for culti- vation	Other uncultivated land excluding Fallow Land	Fallow Land				Net area sown	Total cropped area	Agri. Land/ Cultivable Land/ Culturable land/Arable land/ land/	Cropping Intensity (Col-14/ Col- 13*100)		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
Lakshadweep															
2011-12	3	3		1								2	3	2	130.4
2012-13	3	3		1								2	3	2	135.7
2013-14	3	3		1								2	3	2	135.7
Puducherry															
2011-12	48	49	0	18		1	5	6	2	4	6	18	27	30	151.6
2012-13	48	49	0	19		1	5	6	2	5	8	16	26	30	161.6
2013-14	48	49	0	19		1	5	6	3	6	8	15	25	30	163.8
All India															
2011-12	328726	307392	71599	43525	10314	3161	12637	26111	10665	14512	25177	140980	195694	181955	138.8
2012-13	328726	307491	71573	43576	10256	3182	12643	26082	11037	15287	26324	139936	194140	182085	138.7
2013-14	328726	307796	71828	43860	10258	3187	12388	25832	10694	14154	24848	141428	200859	181850	142.0

Source: Directorate of Economics & Statistics, DAC&FW

\* Provisional data except Geographical Area. '0' relates to the area below 500 hectares.

**Table 13.6 : Irrigation Potential created under Accelerated Irrigation Benefit Programme (AIBP)- All Major and Medium Irrigation Projects**

('000 Hectare)

Sl. No.	State	Ultimate Potential	Created before AIBP	Target for AIBP	Potential Created under AIBP during										
					1996-97	1997-98	1998-99	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	
1	Andhra Pradesh	900.34	23.37	788.91	0.00	0.00	0.00	6.20	0.45	8.38	23.55	7.23	6.51	27.83	
2	Assam	262.63	96.23	162.32	1.45	4.55	4.80	8.50	7.87	7.60	3.95	3.25	4.12	2.69	
3	Bihar	1323.64	1430.99	684.65	1.18	0.00	8.00	7.79	13.53	43.30	47.95	44.79	60.38	174.65	
4	Chhattisgarh	791.65	394.94	213.71	0.00	0.00	0.00	3.50	2.70	36.19	19.21	11.91	15.97	11.65	
5	Goa	28.63	4.81	23.82	0.00	0.00	1.48	0.54	0.15	0.89	1.72	2.92	1.80	0.25	
6	Gujarat	2028.35	168.21	1830.24	16.12	20.38	36.53	28.44	40.62	15.36	11.98	61.36	77.95	34.09	
7	Haryana	400.50	179.53	200.97	12.09	12.40	14.97	21.12	11.23	12.32	3.27	2.96	7.89	6.90	
8	Himachal Pradesh	37.51	0.00	37.51	0.00	0.00	0.24	0.24	0.33	0.17	0.32	0.49	0.49	0.49	
9	Jammu & Kashmir	154.80	48.93	105.69	0.00	0.00	0.00	0.62	0.88	2.43	5.59	2.62	1.08	1.32	
10	Jharkhand	299.83	6.04	293.79	0.00	0.00	1.80	1.40	1.80	3.60	2.02	1.00	0.00	0.00	
11	Karnataka	1911.59	967.14	953.53	0.77	3.11	7.19	8.48	4.82	66.92	54.97	129.23	69.15	50.48	
12	Kerala	154.84	69.12	57.47	0.43	1.58	0.00	0.80	1.65	5.92	4.80	9.22	5.00	0.65	
13	Madhya Pradesh	1559.01	118.25	1028.50	0.00	0.00	0.00	5.00	9.47	9.32	16.68	11.16	50.44	21.06	
14	Maharashtra	2230.69	827.79	1215.17	0.46	26.94	24.12	11.98	21.55	10.49	12.90	27.59	35.97	34.49	
15	Manipur	55.99	4.00	51.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
16	Meghalaya	4.78	0.00	4.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
17	Odisha	844.51	216.21	649.86	1.31	17.22	13.54	8.73	13.04	6.41	4.07	40.00	15.52	4.15	
18	Punjab	337.62	0.00	337.62	0.00	0.00	0.00	0.00	14.16	79.75	2.09	0.00	4.99	18.03	
19	Rajasthan	1752.51	70.11	1605.16	0.83	51.62	58.99	34.77	12.70	29.10	37.36	51.30	59.77	81.19	
20	Tamil Nadu	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
21	Telangana	1145.43	1105.09	827.94	0.00	18.66	40.67	10.72	8.39	28.07	52.28	4.06	7.62	34.68	
22	Tripura	26.72	2.18	24.54	0.62	0.21	0.10	0.67	0.75	0.89	0.00	0.00	0.52	2.05	
23	Uttar Pradesh	5890.70	2658.52	3213.88	29.02	42.61	38.20	56.10	351.23	68.22	78.86	30.07	93.55	111.30	
24	Uttarakhand	310.00	0.00	270.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
25	West Bengal	1057.96	402.02	551.02	11.70	0.30	9.00	11.35	16.25	10.14	5.43	2.55	2.47	5.15	
Total		23510.22	8793.47	15133.04	75.97	199.58	259.62	226.95	533.54	445.45	388.99	443.68	521.15	623.08	

Continued

(Contd.)

Table: 13.6 (Contd.)

S. No.	State	Potential Created under AIBP during														Potential Created under AIBP upto March 2016	
		2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	(25)	(26)				
(1)	(2)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(26)				
1	Andhra Pradesh	18.50	67.73	24.31	9.29	60.92	0.00	13.15	3.80	0.00	32.49	310.32					
2	Assam	2.80	4.49	7.75	10.87	6.15	4.00	0.45	8.00	0.50	0.00	93.77					
3	Bihar	45.27	6.40	10.00	0.47	0.00	0.00	0.00	3.68	0.00	0.00	467.37					
4	Chhattisgarh	11.94	15.82	18.86	10.21	2.83	9.83	11.80	3.50	2.31	0.61	188.83					
5	Goa	0.41	4.89	1.50	0.53	0.80	0.17	1.26	1.16	0.00	0.00	20.47					
6	Gujarat	81.84	68.20	20.89	25.66	28.89	21.27	128.20	274.78	162.64	185.91	1341.08					
7	Haryana	10.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	115.22					
8	Himachal Pradesh	3.53	3.34	4.15	4.04	5.01	5.59	3.53	5.55	0.00	0.00	37.50					
9	Jammu & Kashmir	1.19	4.52	4.74	4.63	9.01	10.15	4.59	4.40	0.54	1.00	59.30					
10	Jharkhand	0.50	0.00	0.00	0.51	1.66	0.00	4.30	23.83	0.00	0.00	42.42					
11	Karnataka	76.05	18.75	6.45	32.74	24.71	28.80	8.02	21.33	30.34	88.41	730.71					
12	Kerala	2.71	0.95	0.12	1.63	2.64	7.55	1.99	1.87	0.09	0.47	50.07					
13	Madhya Pradesh	18.10	79.41	48.87	35.52	89.73	82.55	99.08	0.00	0.00	0.00	576.39					
14	Maharashtra	66.96	89.43	67.18	70.78	34.79	41.34	26.48	0.00	0.00	0.00	603.43					
15	Manipur	5.00	5.92	4.14	1.80	4.00	0.10	4.00	1.20	2.60	2.00	30.76					
16	Meghalaya	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					
17	Odisha	4.61	14.40	10.73	27.66	36.21	20.31	6.76	11.14	6.44	7.27	269.51					
18	Punjab	8.18	4.80	27.44	12.89	25.00	0.00	1.00	0.00	0.00	2.89	201.22					
19	Rajasthan	62.45	129.47	54.00	49.00	396.03	13.01	12.80	11.45	1.77	6.28	1153.87					
20	Tamil Nadu	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					
21	Telangana	30.08	25.48	60.70	9.31	8.09	25.18	20.40	56.54	6.32	68.81	516.05					
22	Tripura	3.01	1.73	1.27	4.27	0.51	0.00	0.22	0.00	0.00	0.00	16.81					
23	Uttar Pradesh	88.62	75.67	105.18	37.10	175.33	67.95	82.05	50.00	0.00	0.00	1581.05					
24	Uttarakhand	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					
25	West Bengal	2.31	14.55	4.85	5.28	15.27	25.85	3.34	1.72	0.00	0.00	147.50					
<b>Total</b>		<b>544.13</b>	<b>635.94</b>	<b>483.10</b>	<b>354.18</b>	<b>927.56</b>	<b>363.66</b>	<b>433.42</b>	<b>483.95</b>	<b>213.54</b>	<b>396.15</b>	<b>8553.63</b>					

Source: Ministry of Water Resources, River Development and Ganga Rejuvenation

**Table 13.7:** State-wise Area covered under Micro Irrigation as on 25.12.2016  
(In Hectares)

Sl. No.	Name of State	Drip	Sprinkler	Total
(1)	(2)	(3)	(4)	(5)
1	Andhra Pradesh	952544.1	370661.0	1323205.1
2	Arunachal Pradesh	613.0	0.0	613.0
3	Assam	310.0	129.0	439.0
4	Bihar	9760.6	98161.0	107921.6
5	Chattisgarh	18081.0	253064.7	271145.7
6	Goa	1019.0	937.0	1956.0
7	Gujarat	534554.1	534260.6	1068814.7
8	Haryana	24615.1	552213.6	576828.7
9	Himachal Pradesh	4284.3	3538.2	7822.5
10	Jharkhand	10831.0	9919.0	20750.0
11	Karnataka	486935.7	466412.0	953347.7
12	Kerala	22879.2	7439.8	30319.0
13	Madhya Pradesh	224481.8	206180.7	430662.5
14	Maharashtra	924446.1	385225.7	1309671.8
15	Manipur	47.0	30.0	77.0
16	Mizoram	2125.0	425.0	2550.0
17	Nagaland	200.0	5005.0	5205.0
18	Odisha	19380.9	85457.0	104837.9
19	Punjab	34685.2	12408.2	47093.3
20	Rajasthan	203681.3	1548989.4	1752670.7
21	Sikkim	6044.0	3042.0	9086.0
22	Tamil Nadu	328411.3	34947.7	363359.0
23	Telangana	75802.7	19164.8	94967.6
24	Tripura	439.0	1651.0	2090.0
25	Uttar Pradesh	16809.2	25849.9	42659.0
26	Uttarakhand	696.0	316.0	1012.0
27	West Bengal	604.0	50576.0	51180.0
28	Others	15500.0	31000.0	46500.0
<b>All India</b>		<b>3919780.45</b>	<b>4707004.24</b>	<b>8626784.7</b>

Source: Department of Agriculture, Cooperation & Farmers Welfare

14

Inputs

Table 14.1 : Production and Use of Agricultural Inputs in India

Programme (1)	Unit (2)	2001-02 (3)	2002-03 (4)	2003-04 (5)	2004-05 (6)	2005-06 (7)	2006-07 (8)	2007-08 (9)
<b>1. Seeds</b>								
(i) Production of Breeder Seeds	Thousand Qtls.	45.54	48.42	61.82	68.46	68.64	73.83	91.96
(ii) Production of Foundation Seeds	Lakh Qtls.	5.44	6.14	6.50	6.90	7.40	7.96	8.25
(iii) Distribution of Certified/Quality Seeds	Lakh Qtls.	91.80	98.03	108.59	120.26	126.75	155.01	179.05
<b>2. Consumption of Chemical Fertilisers</b>								
Nitrogenous (N)	Thousand Tonnes	11310	10474	11076	11714	12723	13774	14419
Phosphatic (P)	Thousand Tonnes	4382	4019	4124	4624	5204	5543	5515
Potassic (K)	Thousand Tonnes	1667	1601	1598	2060	2413	2335	2636
Total (N+P+K) Per Hectare *	Thousand Tonnes Kgs	17360 92.33	16094 92.55	16798 88.57	18398 96.27	20340 105.53	21651 112.55	22570 115.27
<b>3. Consumption of Pesticides (Technical Grade Material)</b>								
Pesticides (Technical Grade Material)	Thousand Tonnes	47.02	48.35	41.02	40.67	39.77	43.41	41.64
<b>4. Area Covered Under Soil Conservation</b>								
Soil Conservation	Lakh Hectares	4.70	4.30	5.55	7.37	8.67	11.41	7.34

Table: 14.1 (Contd.)

Programme (1)	Unit (2)	2008-09 (10)	2009-10 (11)	2010-11 (12)	2011-12 (13)	2012-13 (14)	2013-14 (15)	2014-15 (16)	2015-16 (17)
<b>1. Seeds</b>									
(i) Production of Breeder Seeds	Thousand Qtls.	94.41	102.00	118.85	123.38	110.20	82.29	86.21	90.37
(ii) Production of Foundation Seeds	Lakh Qtls.	9.62	11.46	18.06	22.26	16.17	17.43	15.76	14.95
(iii) Distribution of Certified/Quality Seeds	Lakh Qtls.	215.81	257.11	277.34	294.85	313.44	301.39	303.12	304.04
<b>2. Consumption of Chemical Fertilisers</b>									
Nitrogenous (N)	Thousand Tonnes	15090	15580	16558	17300	16821	16750	16946	17372
Phosphatic (P)	Thousand Tonnes	6506	7274	8050	7914	6653	5633	6098	6979
Potassic (K)	Thousand Tonnes	3313	3632	3514	2576	2062	2099	2532	2402
Total (N+P+K)	Thousand Tonnes	24909	26486	28122	27790	25536	24482	25576	26753
Per Hectare *	Kgs	127.53	140.15	142.52	142.05	131.36	118.49	127.45	130.66
<b>3. Consumption of Pesticides (Technical Grade Material)</b>									
	Thousand Tonnes	43.86	41.82	55.54	52.98	45.62	60.28	56.12	50.41
<b>4. Area Covered Under Soil Conservation #</b>									
	Lakh Hectares	6.90	5.32	7.49	4.72	5.46	-	-	-

Source: Department of Agriculture, Cooperation & Farmers Welfare

\* Based on Gross Cropped Area upto 2012-13 and for 2013-14 and 2014-15, GCA is estimated in Zonal Conference

# : Soil Conservation programmes, namely; National Watershed Development Project for Rainfed Areas, Centrally Sponsored Programme of Soil Conservation in the catchment of River Valley & Flood Prone Rivers (RVP&FPR), Reclamation & Development of Alkali & Acid Soils (RDAAS) Watershed Development Project in Shifting Cultivation Area (WDPSCA), Watershed Development Fund have been closed from 1st April 2013.



**Table 14.2:** All-India Consumption of Fertilisers in Terms of Nutrients (N, P & K)  
(Thousand Tonnes)

Year	N	P	K	Total
(1)	(2)	(3)	(4)	(5)
1950-51	58.7	6.9	-	65.6
1955-56	107.5	13.0	10.3	130.8
1960-61	210.0	53.1	29.0	292.1
1965-66	574.8	132.5	77.3	784.6
1970-71	1487.0	462.0	228.0	2177.0
1975-76	2148.6	466.8	278.3	2893.7
1980-81	3678.1	1213.6	623.9	5515.6
1985-86	5660.8	2005.2	808.1	8474.1
1986-87	5716.0	2078.9	850.0	8644.9
1987-88	5716.8	2187.0	880.5	8784.3
1988-89	7251.0	2720.7	1068.3	11040.0
1989-90	7386.0	3014.2	1168.0	11568.2
1990-91	7997.2	3221.0	1328.0	12546.2
1991-92	8046.3	3321.2	1360.5	12728.0
1992-93	8426.8	2843.8	883.9	12154.5
1993-94	8788.3	2669.3	908.4	12366.0
1994-95	9507.1	2931.7	1124.7	13563.5
1995-96	9822.8	2897.5	1155.8	13876.1
1996-97	10301.8	2976.8	1029.6	14308.1
1997-98	10901.8	3913.6	1372.5	16187.9
1998-99	11353.8	4112.2	1331.5	16797.5
1999-00	11592.7	4798.3	1678.7	18069.7
2000-01	10920.2	4214.6	1567.5	16702.3
2001-02	11310.2	4382.4	1667.1	17359.7
2002-03	10474.1	4018.8	1601.2	16094.1
2003-04	11077.0	4124.3	1597.9	16799.2
2004-05	11713.9	4623.8	2060.6	18398.3
2005-06	12723.3	5203.7	2413.5	20340.5
2006-07	13772.9	5543.3	2334.8	21651.0
2007-08	14419.1	5514.7	2636.3	22570.1
2008-09	15090.5	6506.2	3312.6	24909.3
2009-10	15580.0	7274.0	3632.4	26486.4
2010-11	16558.2	8049.7	3514.3	28122.2
2011-12	17300.3	7914.3	2575.5	27790.0
2012-13	16820.9	6653.4	2061.8	25536.2
2013-14	16750.1	5633.5	2098.9	24482.4
2014-15	16945.4	6098.4	2532.3	25576.1
2015-16	17372.3	6978.8	2401.5	26752.6

Source: Department of Agriculture, Cooperation & Farmers Welfare

Note : Figures upto 1982-83 relate to Feb.-Jan. and onwards to Apr.-Mar.

Table 14.3 : Consumption, Production and Import of Fertilisers

Year	Consumption				Production				Imports				C & F Value of Imported Urea (₹ Crore)		
	N		P		TOTAL		K		TOTAL		K			TOTAL	
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)		(14)	
(1)															
1981-82	40.69	13.22	6.73	60.64	31.44	9.49	0.00	40.93	10.54	3.43	6.44	20.41	716.62		
1982-83	42.24	14.37	7.27	63.88	34.24	9.80	0.00	44.04	4.25	0.63	6.44	11.32	273.53		
1983-84	52.05	17.30	7.75	77.10	34.85	10.48	0.00	45.33	6.56	1.43	5.56	13.55	365.05		
1984-85	54.87	18.86	8.38	82.11	39.17	12.63	0.00	51.80	20.08	7.45	8.71	36.24	1500.00		
1985-86	56.61	20.05	8.08	84.74	43.28	14.28	0.00	57.56	16.80	8.16	9.03	33.99	1405.00		
1986-87	57.16	20.79	8.50	86.45	54.10	16.60	0.00	70.70	11.03	2.55	9.52	23.10	651.00		
1987-88	57.17	21.87	8.80	87.84	54.66	16.65	0.00	71.31	1.75	-	8.09	9.84	223.77		
1988-89	72.51	27.21	10.68	110.40	67.12	22.52	0.00	89.64	2.19	4.07	9.82	16.08	644.52		
1989-90	73.86	30.14	11.68	115.68	67.47	17.96	0.00	85.43	5.23	13.11	12.80	31.14	1538.77		
1990-91	79.97	32.21	13.28	125.46	69.93	20.52	0.00	90.45	4.14	10.16	13.28	27.58	1335.82		
1991-92	80.46	33.21	13.61	127.28	73.01	25.62	0.00	98.63	5.66	9.67	12.36	27.69	1934.19		
1992-93	84.26	28.43	8.84	121.53	74.30	23.06	0.00	97.36	11.37	6.89	10.82	29.08	2216.00		
1993-94	87.88	26.69	9.09	123.66	72.31	18.16	0.00	90.47	15.88	7.22	8.57	31.67	1300.18		
1994-95	95.07	29.32	11.25	135.64	79.45	24.93	0.00	104.38	14.76	3.80	11.09	29.65	1785.11		
1995-96	98.23	28.98	11.56	138.77	87.77	25.58	0.00	113.35	19.93	6.47	13.15	39.55	2840.13		
1996-97	103.01	29.77	10.30	143.08	85.99	25.56	0.00	111.55	11.67	4.26	6.13	22.06	1701.74		
1997-98	109.01	39.14	13.73	161.88	100.86	29.76	0.00	130.62	13.62	6.72	11.40	31.74	1296.57		
1998-99	113.54	41.12	13.32	167.98	104.80	31.44	0.00	136.24	6.35	9.68	15.42	31.45	240.00		
1999-00	115.92	47.99	16.78	180.69	108.90	33.99	0.00	142.89	8.33	15.03	17.34	40.75	197.16		
2000-01	109.20	42.15	15.68	167.02	109.61	37.43	0.00	147.04	1.54	3.96	15.41	20.91	*		

\*(Contd.)

(Contd.)

Table: 14.3 (Contd.)

Year	Consumption				Production				Imports				C & F Value of Imported Urea (₹ Crore)
	N	P	K	TOTAL	N	P	K	TOTAL	N	P	K	TOTAL	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
2001-02	113.10	43.82	16.67	173.60	107.71	38.61	0.00	146.32	2.69	4.29	17.01	23.99	113.09
2002-03	104.74	40.19	16.01	160.94	105.62	39.06	0.00	144.68	0.67	1.70	15.20	17.57	*
2003-04	110.77	41.24	15.98	167.99	106.34	36.32	0.00	142.66	1.32	3.38	15.48	20.18	*
2004-05	117.14	46.24	20.61	183.98	113.39	40.65	0.00	154.04	4.11	2.96	20.45	27.52	684.73
2005-06	127.23	52.04	24.14	203.41	113.55	42.21	0.00	155.76	13.85	11.21	27.47	52.53	1747.34
2006-07	137.73	55.43	23.35	216.51	115.77	45.17	0.00	160.94	26.88	13.23	20.69	60.80	4647.18
2007-08	144.19	55.15	26.36	225.70	108.99	38.07	0.00	147.06	36.77	12.53	26.53	75.83	8334.65
2008-09	150.91	65.06	33.13	249.09	108.70	34.64	0.00	143.34	38.44	29.27	33.80	101.51	11091.87
2009-10	155.80	72.74	36.32	264.86	119.00	43.21	0.00	162.21	34.47	27.56	29.44	91.47	5754.01
2010-11	165.58	80.50	35.14	281.22	121.57	42.23	0.00	163.80	44.92	38.02	40.69	123.63	8348.89
2011-12	173.00	79.14	25.75	277.90	122.59	43.68	0.00	166.27	52.40	44.27	33.35	130.02	15442.02
2012-13	168.21	66.53	20.62	255.36	121.94	38.30	0.00	160.24	46.90	27.78	12.30	86.98	15980.22
2013-14	167.50	56.33	20.99	244.82	123.78	39.60	0.00	163.38	38.08	15.90	13.33	67.31	14987.95
2014-15	169.45	60.98	25.32	255.76	123.94	41.21	0.00	165.15	47.66	18.32	25.37	91.35	12035.26
2015-16	173.72	69.79	24.02	267.53	134.16	43.94	0.00	178.10	50.68	28.88	20.53	100.09	13984.93**

Source: Department of Fertilizers and Department of Agriculture, Cooperation & Farmers Welfare (DAC&FW)

\* There was no import of Urea in 2000-01, 2002-03 and 2003-04 in Government account.

\*\* Exchange rate is taken as 1 USD = Rs.66.99

Note : 1. Figures relate to imports made on Govt. Account only.

2. The imports made after decanalisation of phosphatic fertilisers (w.e.f. 17.9.1992) and potassic fertilisers (w.e.f. 17.6.1993) include the quantities imported by private parties also.

**Table 14.4 (a):** State-wise Consumption of Fertilisers in Terms of Nutrients (N, P & K)  
(Thousand Tonnes)

Sl. No.	State/Zone	2013-14			2014-15			2015-16					
		N (3)	P (4)	Total (6)	N (7)	P (8)	Total (10)	N (11)	P (12)	Total (14)			
South Zone													
1	Andhra Pradesh	1135.12	461.21	183.93	1780.26	1076.57	443.59	218.67	1738.83	1022.97	489.72	185.46	1698.15
2	Telangana	977.53	286.21	75.43	1339.17	826.95	268.21	82.41	1177.57	877.3	327.79	111.16	1316.25
3	Karnataka	945.11	442.20	253.40	1640.71	1001.59	498.07	332.31	1831.97	981.62	531.41	266.73	1779.76
4	Kerala	135.91	70.34	115.92	322.17	104.54	43.14	61.82	209.50	111	41.1	76.53	228.63
5	Tamil Nadu	549.35	197.11	159.20	905.66	601.32	223.28	190.20	1014.80	682.73	266.57	195.06	1144.36
6	puducherry	12.13	2.09	1.53	15.75	7.97	1.73	1.87	11.57	7.56	1.5	1.37	10.43
7	A&N Islands	0.46	0.35	0.29	1.10	0.49	0.39	0.26	1.14	0	0	0	0
8	Lakshadweep	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0
SZ TOTAL		3755.61	1459.51	789.70	6004.82	3619.43	1478.41	887.54	5985.38	3683.18	1658.09	836.31	6177.58
West Zone													
9	Gujarat	1158.93	315.38	90.60	1564.91	1217.50	351.99	114.51	1684.00	1101.82	313.51	101.42	1516.75
10	Madhya Pradesh	1210.35	634.38	56.31	1901.04	1119.10	605.73	72.11	1796.94	1233.8	650.6	82.14	1966.54
11	Chhattisgarh	357.27	162.65	47.74	567.66	373.14	175.53	56.73	605.40	390.783	189.74	57.11	637.633
12	Maharashtra	1586.83	773.38	424.55	2784.76	1540.99	760.89	512.78	2814.66	1450.82	841.73	432.03	2724.58
13	Rajasthan	930.52	281.96	5.16	1217.64	952.35	331.45	15.18	1298.98	1068.9	443.38	18.36	1530.64
14	Goa	2.99	1.32	0.91	5.22	2.52	1.14	0.86	4.52	2.37	1.45	1.02	4.84
15	Daman & Diu	0.08	0.02	0.01	0.11	0.00	0.00	0.00	0.00	0.14	0.02	0	0.16
16	D&N Haveli	0.54	0.35	0.01	0.90	0.64	0.44	0.00	1.08	0.57	0.31	0	0.88
WZ TOTAL		5247.51	2169.44	625.29	8042.24	5206.24	2227.17	772.17	8205.58	5249.203	2440.74	692.08	8382.02
North Zone													
17	Haryana	950.56	198.46	15.65	1164.67	1013.29	253.66	36.20	1303.15	1037.1	290.6	19.7	1347.4
18	Punjab	1364.02	325.23	24.02	1713.27	1352.05	328.17	37.53	1717.75	1447.28	418.72	77.71	1943.71
19	Uttar Pradesh	2972.62	764.65	104.77	3842.04	3168.95	915.35	187.34	4271.64	2930.01	1098.08	202	4230.09
											(Contd.)		

(Contd.)

Table: 14.4a (Contd.)

Sl. No.	State/Zone	2013-14				2014-15				2015-16			
		N	P	K	Total	N	P	K	Total	N	P	K	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
20	Uttarakhand	134.58	21.78	6.42	162.78	137.36	25.68	7.33	170.37	170.95	23.49	6.74	201.18
21	Himachal Pr.	33.31	8.26	8.59	50.16	35.04	8.51	9.51	53.06	36.58	9.81	9.85	56.24
22	J & K	67.14	25.39	10.88	103.41	65.02	29.92	15.13	110.07	82.2	28.07	11.98	122.25
23	Delhi	3.64	0.00	0.00	3.64	8.57	0.00	0.00	8.57	5.14	0.43	0	5.57
24	Chandigarh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0
<b>NZ TOTAL</b>		<b>5525.87</b>	<b>1343.77</b>	<b>170.33</b>	<b>7039.97</b>	<b>5780.28</b>	<b>1561.29</b>	<b>293.04</b>	<b>7634.61</b>	<b>5709.26</b>	<b>1869.20</b>	<b>327.98</b>	<b>7906.44</b>
<b>East Zone</b>													
25	Bihar	954.95	209.85	95.98	1260.78	999.91	235.12	111.16	1346.19	1249.79	340.9	106.16	1696.85
26	Jharkhand	82.48	17.31	3.69	103.48	91.80	19.58	3.24	114.62	122.84	41.01	5.41	169.26
27	Orissa	312.99	117.71	56.44	487.14	314.07	126.23	59.24	499.54	327.19	133.66	58.85	519.7
28	West Bengal	692.96	262.94	270.95	1226.85	756.85	390.82	319.24	1466.91	838.56	451.21	325.89	1615.66
<b>EZ TOTAL</b>		<b>2043.38</b>	<b>607.81</b>	<b>427.06</b>	<b>3078.25</b>	<b>2162.63</b>	<b>771.75</b>	<b>492.88</b>	<b>3427.26</b>	<b>2538.38</b>	<b>966.78</b>	<b>496.31</b>	<b>4001.47</b>
29	Assam	151.26	41.7	80.08	273.04	155.92	50.18	80.34	286.44	169.21	33.53	39.88	242.62
30	Tripura	10.66	7.89	4.35	22.90	8.58	6.63	3.93	19.14	9.57	6.53	6.18	22.28
31	Manipur	8.27	1.37	1.16	10.80	11.02	2.15	1.94	15.11	10.29	2.77	1.74	14.8
32	Meghalaya	3.51	1.04	0.27	4.82	0.00	0.00	0.00	0.00	0	0	0	0
33	Nagaland	1.07	0.70	0.34	2.11	1.33	0.79	0.48	2.60	1.19	0.814	0.51	2.514
34	Arunachal Pr.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.44	0.03	0.09	0.56
35	Mizoram	2.94	0.23	0.29	3.46	0.00	0.00	0.00	0.00	1.61	0.29	0.42	2.32
36	Sikkim	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0
<b>NE TOTAL</b>		<b>177.71</b>	<b>52.93</b>	<b>86.49</b>	<b>317.13</b>	<b>176.85</b>	<b>59.75</b>	<b>86.69</b>	<b>323.29</b>	<b>192.31</b>	<b>43.96</b>	<b>48.82</b>	<b>285.09</b>
<b>ALL INDIA</b>		<b>16750.08</b>	<b>5633.46</b>	<b>2098.87</b>	<b>24482.41</b>	<b>16945.43</b>	<b>6098.37</b>	<b>2332.32</b>	<b>25576.12</b>	<b>17372.333</b>	<b>6978.77</b>	<b>2401.50</b>	<b>26752.61</b>

Source: Department of Agriculture, Cooperation & Farmers Welfare

Note: Estimates of Gross Cropped Area for 2013-14, 2014-15 and 2015-16 are based on the data from respective State Governments.

Table 14.4 (b): State-wise Estimated Consumption of Fertiliser (N,P&amp;K) per Hectare

Sl. No.	State/Zone	2013-14			2014-15			2015-16			(Kgs./Hectare)	
		N (3)	P (4)	Total (6)	N (7)	P (8)	Total (9)	N (11)	P (12)	Total (10)		K (13)
South Zone												
1	Andhra Pradesh	140.36	57.03	220.13	146.88	60.52	29.83	237.23	135.96	65.09	24.65	225.70
2	Telangana	155.47	45.52	212.99	162.52	52.71	16.20	231.43	179.23	66.97	22.71	268.91
3	Karnataka	88.51	41.41	23.73	153.65	96.31	47.89	31.95	176.15	96.50	52.24	26.22
4	Kerala	26.36	13.64	22.48	62.49	20.23	8.35	11.97	40.55	21.25	7.87	14.65
5	Tamil Nadu	86.77	31.13	25.15	143.05	96.98	36.01	30.68	163.67	104.52	40.81	29.86
6	Puducherry	491.09	84.62	61.94	637.65	196.11	42.57	46.01	284.69	190.05	37.71	34.44
7	A&N Islands	11.77	8.96	7.42	28.15	12.50	9.95	6.63	29.09	0.00	0.00	0.00
8	Lakshadweep	-	-	-	-	-	-	-	-	-	-	-
Average (South Zone)		102.60	39.87	21.57	164.05	105.63	43.15	25.90	174.68	107.00	48.17	24.30
West Zone												
8	Gujarat	88.60	24.11	6.93	119.63	96.00	27.76	9.03	132.79	90.45	25.74	8.33
9	Madhya Pradesh	51.23	26.85	2.38	80.47	48.68	26.35	3.14	78.17	52.45	27.66	3.49
10	Chhattisgarh	54.41	24.77	7.27	86.45	56.75	26.69	8.63	92.07	61.36	29.79	8.97
11	Maharashtra	67.08	32.69	17.95	117.71	68.76	33.95	22.88	125.60	65.20	37.83	19.42
12	Rajasthan	35.05	10.62	0.19	45.87	39.97	13.91	0.64	54.51	42.99	17.83	0.74
13	Goa	30.66	13.54	9.33	53.53	26.12	11.82	8.91	46.85	24.04	14.71	10.34
14	Daman & Diu	19.05	4.76	2.38	26.19	0.00	0.00	0.00	35.99	5.14	0.00	41.13
15	D&N Haveli	34.55	22.39	0.64	57.58	40.25	27.67	0.00	67.92	36.31	19.75	0.00
Average (West Zone)		56.07	23.18	6.68	85.93	58.76	25.14	8.71	92.61	58.77	27.33	7.75
North Zone												
16	Haryana	168.87	35.26	2.78	206.91	172.18	43.10	6.15	221.44	169.65	47.54	3.22
17	Punjab	174.68	41.65	3.08	219.41	179.03	43.46	4.97	227.46	185.10	53.55	9.94
18	Uttar Pradesh	107.08	27.54	3.77	138.40	111.61	32.24	6.60	150.45	107.73	40.37	7.43
19	Uttarakhand	135.70	21.96	6.47	164.13	128.96	24.11	6.88	159.95	143.76	19.75	5.67

(Contd.)

Table: 14.4b (Contd.)

Sl. No.	State/Zone	2013-14				2014-15				2015-16			
		N	P	K	Total	N	P	K	Total	N	P	K	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
20	Himachal Pradesh	34.08	8.45	8.79	51.32	35.63	8.65	9.67	53.96	37.14	9.96	10.00	57.10
21	Jammu & Kashmir	-	-	-	-	-	-	-	-	42.90	14.65	6.25	63.79
22	Delhi	32.96	0.00	0.00	32.96	82.25	0.00	0.00	82.25	53.06	4.44	0.00	57.49
23	Chandigarh	-	-	-	-	-	-	-	-	-	-	-	-
<b>Average (North Zone)</b>		<b>127.68</b>	<b>31.05</b>	<b>3.94</b>	<b>162.67</b>	<b>131.42</b>	<b>35.50</b>	<b>6.66</b>	<b>173.58</b>	<b>125.99</b>	<b>41.25</b>	<b>7.24</b>	<b>174.47</b>
<b>East Zone</b>													
24	Bihar	128.67	28.27	12.93	169.88	132.70	31.20	14.75	178.65	162.19	44.24	13.78	220.21
25	Jharkhand	30.05	6.31	1.34	37.70	30.75	6.56	1.09	38.39	39.59	13.22	1.74	54.54
26	Odisha	36.69	13.80	6.62	57.11	36.14	14.53	6.82	57.49	39.43	16.11	7.09	62.64
27	West Bengal	71.65	27.19	28.02	126.86	77.86	40.21	32.84	150.91	90.23	48.55	35.07	173.84
<b>Average (East Zone)</b>		<b>72.03</b>	<b>21.43</b>	<b>15.05</b>	<b>108.51</b>	<b>74.75</b>	<b>26.68</b>	<b>17.04</b>	<b>118.47</b>	<b>89.38</b>	<b>34.04</b>	<b>17.48</b>	<b>140.90</b>
<b>North East Zone</b>													
28	Assam	49.18	13.56	26.04	88.77	49.11	15.80	25.30	90.22	31.24	6.19	7.36	44.79
29	Tripura	23.58	17.45	9.62	50.66	18.45	14.25	8.45	41.15	18.47	12.60	11.93	42.99
30	Manipur	24.37	4.04	3.42	31.83	32.38	6.32	5.70	44.40	28.94	7.79	4.89	41.62
31	Meghalaya	34.41	10.20	2.65	47.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
32	Nagaland	2.62	1.72	0.83	5.18	3.24	1.93	1.17	6.34	2.82	1.93	1.21	5.95
33	Arunachal Pradesh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.62	0.11	0.33	2.07
34	Mizoram	23.52	1.84	2.32	27.68	0.00	0.00	0.00	0.00	12.62	2.27	3.29	18.18
35	Sikkim	-	-	-	-	-	-	-	-	-	-	-	-
<b>Average (NEZ)</b>		<b>37.25</b>	<b>11.10</b>	<b>18.13</b>	<b>66.48</b>	<b>36.09</b>	<b>12.19</b>	<b>17.69</b>	<b>65.97</b>	<b>26.31</b>	<b>6.02</b>	<b>6.68</b>	<b>39.01</b>
<b>All India (Average)</b>		<b>81.07</b>	<b>27.27</b>	<b>10.16</b>	<b>118.49</b>	<b>84.44</b>	<b>30.39</b>	<b>12.62</b>	<b>127.45</b>	<b>84.84</b>	<b>34.08</b>	<b>11.73</b>	<b>130.66</b>

Source: Department of Agriculture, Cooperation & Farmers Welfare

Note: Estimates of Gross Cropped Area for 2013-14, 2014-15 and 2015-16 are based on the data from respective State Governments.

Table 14.5(a): Fertiliser Consumption per Hectare of Agricultural Land in selected Countries

Continent/Country	2013					2014				
	N		K2O		Total	N		K2O		Total
	(2)	(3)	(4)	(5)		(6)	(7)	(8)	(9)	
<b>(1)</b>										
<b>Africa</b>										
Egypt	293.5	50.4	16.6	360.5	298.4	298.4	52.4	16.8	367.6	
Morocco	7.4	7.2	1.2	15.8	7.2	7.2	7.5	0.7	15.4	
South Africa	4.3	1.9	1.3	7.5	4.5	4.5	2.0	1.3	7.8	
<b>America</b>										
North America										
Canada	37.7	13.6	5.8	57.1	39.1	39.1	14.4	6.0	59.5	
USA	30.3	10.7	11.9	52.9	29.2	29.2	10.0	10.9	50.1	
Latin America and the Caribbean										
Brazil	13.3	16.6	18.3	48.2	13.9	13.9	17.0	19.3	50.2	
Chile	12.3	8.2	6.4	26.9	12.2	12.2	8.2	6.4	26.8	
Mexico	12.2	2.9	2.0	17.1	12.8	12.8	3.6	1.7	18.1	
<b>Asia</b>										
Bangladesh	122.1	54.9	37.6	214.6	135.1	135.1	62.0	38.0	235.1	
China, Main	64.1	22.3	13.2	99.6	63.9	63.9	22.2	14.4	100.5	
India	92.9	31.2	11.6	135.7	94.0	94.0	33.8	14.0	141.8	
	(86.2)	(29.0)	(10.8)	(125.9)	(87.2)	(87.2)	(31.4)	(13.0)	(131.6)	
Indonesia	49.5	16.9	28.4	94.8	52.3	52.3	17.1	31.0	100.4	
Japan	81.1	77.1	70.5	228.7	68.3	68.3	71.1	61.3	200.7	
Rep. of Korea	152.7	50.9	63.3	266.9	151.0	151.0	50.3	62.8	264.1	
Malaysia	76.5	40.8	164.6	281.9	80.9	80.9	44.4	178.2	303.5	
Nepal	19.0	8.3	0.6	27.9	23.5	23.5	10.2	0.9	34.6	

(Contd.)



Table: 14.5a (Contd.)

Continent/Country	2013				2014			
	N (2)	P2O5 (3)	K2O (4)	Total (5)	N (6)	P2O5 (7)	K2O (8)	Total (9)
(1)								
Pakistan	89.3	24.1	0.5	113.9	86.5	25.8	0.8	113.1
Sri Lanka	65.7	24.9	29.0	119.6	67.6	24.4	29.6	121.6
Thailand	65.8	23.2	26.2	115.2	58.5	19.5	26.2	104.2
Turkey	41.2	16.2	2.8	60.2	38.9	14.8	3.1	56.8
Vietnam	147.7	55.1	57.3	260.1	128.1	54.5	51.6	234.2
<b>Europe</b>								
Belarus	61.3	23.8	78.2	163.3	52.3	17.6	69.8	139.7
Denmark	71.7	5.4	20.3	97.4	73.6	5.4	20.3	99.3
France	75.7	16.0	15.6	107.3	75.2	14.5	15.9	105.6
Germany	100.3	17.1	27.4	144.8	109.2	18.0	27.5	154.7
Netherlands	105.3	7.5	12.4	125.2	98.0	7.6	13.0	118.6
Poland	76.2	23.7	34.4	134.3	69.7	21.1	33.7	124.5
Russian Fedn.	5.4	2.0	1.2	8.6	5.5	2.1	1.3	8.9
Spain	38.5	15.9	13.2	67.6	37.7	15.0	13.5	66.2
UK	61.4	11.7	16.4	89.5	60.7	11.6	15.8	88.1
Ukraine	25.2	5.7	5.2	36.1	24.7	5.8	5.1	35.6
<b>Oceania</b>								
Australia	3.3	2.1	0.5	5.9	3.5	2.3	0.6	6.4
New Zealand	36.5	32.1	12.4	81.0	38.6	32.0	12.1	82.7
<b>World</b>	22.2	8.4	6.3	36.9	22.3	8.4	6.6	37.3

Source: Fertiliser Statistics - 2015-16, The Fertiliser Association of India, New Delhi.

Note: 1. Data for Agricultural Land is for the year 2013.

2. Figures in parentheses indicate Fertiliser consumption per hectare of Gross Cropped Area (GCA). Data for GCA pertains to 2012-13.

Table 14.5(b): Fertiliser Consumption per Hectare of Arable Land and Land under Permanent Crops in selected Countries

Country	2013				2014			
	N (2)	P2O5 (3)	K2O (4)	Total (5)	N (6)	P2O5 (7)	K2O (8)	Total (9)
<b>Africa</b>								
Egypt	293.5	50.4	16.6	360.5	298.4	52.4	16.8	367.6
Morocco	23.8	23.3	3.7	50.8	23.4	24.3	2.1	49.8
South Africa	32.3	14.4	9.4	56.1	33.8	15.1	9.8	58.7
<b>N &amp; C America</b>								
Canada	48.5	17.5	7.5	73.5	50.4	18.5	7.8	76.6
USA	79.6	28.1	31.1	138.8	76.5	26.3	28.6	131.4
<b>South America</b>								
Brazil	44.7	56.0	61.5	162.2	46.8	57.4	65.1	169.3
Chile	109.8	73.3	57.2	240.3	109.5	73.0	57.0	239.5
Mexico	50.3	12.0	8.3	70.5	53.0	14.9	6.9	74.9
<b>Asia</b>								
Bangladesh	130.7	58.8	40.3	229.8	144.6	66.4	40.7	251.7
China	271.1	94.3	55.9	421.3	270.0	93.7	60.7	424.4
India	98.5 (86.2)	33.1 (29.0)	12.3 (10.8)	144.0 (125.9)	99.7 (87.2)	35.9 (31.4)	14.9 (13.0)	150.5 (131.6)
Indonesia	61.3	20.9	35.2	117.5	64.8	21.2	38.4	124.3
Japan	81.1	77.1	70.5	228.7	68.3	71.1	61.3	200.7
Rep. of Korea	157.8	52.6	65.5	275.9	156.0	52.0	64.9	272.9
Malaysia	79.4	42.4	170.8	292.6	84.0	46.1	185.0	315.0
Nepal	33.7	14.8	1.0	49.5	41.6	18.0	1.6	61.2
Pakistan	103.6	28.0	0.6	132.2	100.4	29.9	0.9	131.2

(Contd.)

Table: 14.5b (Contd.)

Country	2013				2014			
	N	P2O5	K2O	Total	N	P2O5	K2O	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Sri Lanka	78.2	29.7	34.5	142.4	80.5	29.1	35.2	144.8
Thailand	68.2	24.0	27.2	119.4	60.7	20.2	27.2	108.1
Turkey	66.6	26.2	4.4	97.2	62.7	24.0	4.9	91.6
Vietnam	157.0	58.5	60.9	276.4	136.1	57.9	54.9	248.9
<b>Europe</b>				-				
Belarus	93.9	36.5	119.9	250.3	80.1	26.9	107.0	214.1
Denmark	77.5	5.8	22.0	105.3	79.5	5.8	22.0	107.3
France	112.8	23.8	23.2	159.8	112.0	21.6	23.6	157.2
Germany	138.7	23.6	37.9	200.2	151.0	25.0	38.1	214.0
Netherlands	181.1	12.8	21.4	215.3	168.5	13.0	22.3	203.8
Poland	98.0	30.4	44.3	172.7	89.6	27.1	43.3	160.0
Russian Fedn.	9.4	3.5	2.1	15.0	9.6	3.8	2.2	15.6
Spain	59.1	24.4	20.3	103.8	57.9	23.0	20.8	101.7
UK	167.8	31.9	44.8	244.5	165.9	31.7	43.1	240.7
Ukraine	31.1	7.1	6.4	44.6	30.5	7.2	6.2	44.0
<b>Oceania</b>								
Australia	28.2	17.5	4.6	50.3	30.2	19.5	5.0	54.7
New Zealand	655.3	577.7	223.3	1,456.3	694.2	574.4	216.8	1,485.4
<b>World</b>	<b>69.3</b>	<b>26.2</b>	<b>19.8</b>	<b>115.3</b>	<b>69.6</b>	<b>26.3</b>	<b>20.7</b>	<b>116.6</b>

Source: Fertiliser Statistics - 2015-16, The Fertiliser Association of India, New Delhi.

Note: 1. Data for Arable Land and Land Under Permanent Crops is for the year 2013.

2. Figures in parentheses indicate Fertiliser consumption per hectare of Gross Cropped Area (GCA). Data for GCA pertains to 2012-13.

Table 14.6(a): Application of Fertilisers on Paddy and Wheat in India

Particulars		2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	
I. Paddy												
Quantity of Paddy required to Buy												
(a) 1 kg N	1.84	1.69	1.41	1.17	1.05	1.15	1.07	0.93	0.89	0.86	0.83	
(b) 1 kg of P2O5												
- as SSP	2.85	2.72	2.27	2.36	2.13	2.00	1.85	3.50	3.16	3.50	3.32	
	to	to	to				to					
	4.72	4.34	3.61				3.64					
- as DAP	2.85	2.62	2.18	1.80	1.62	1.71	1.75	3.81	3.39	3.45	3.45	
						to	to					
						1.89	3.67					
- as complex	3.08	2.83	2.36	1.80	1.62	2.02	NA	NA	NA	NA	NA	
	to	to	to			to						
	5.21	4.79	3.99			3.00						
(c) 1 kg of K2O	1.30	1.20	1.00	0.83	0.74	0.84	0.93	2.27	2.04	2.02	1.89	
							to					
							1.86					
II. Wheat												
Quantity of W/heat required to Buy												
(a) 1 kg N	1.50	1.40	1.05	0.97	0.95	0.99	0.90	0.86	0.83	0.80	0.76	

(Contd.)

Table: 14.6a (Contd.)

Particulars	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
(b) 1 kg of P <sub>2</sub> O <sub>5</sub>											
- as SSP	2.32	2.25	1.69	1.97	1.93	1.71	1.56	3.24	2.96	3.28	3.07
	to	to	to				to				
	3.84	3.58	2.69				3.06				
- as DAP	2.32	2.16	1.62	1.50	1.47	1.46	1.47	3.53	3.17	3.24	3.19
							to				
							3.08				
- as complex	2.51	2.34	1.76	1.50	1.47	1.72	NA	NA	NA	NA	NA
	to	to	to			to					
	4.25	3.96	2.97			2.56					
(c) 1 kg of K <sub>2</sub> O	1.06	0.99	0.74	0.69	0.68	0.72	0.78	2.10	1.91	1.90	1.75
							to				
							1.57				

Source: Fertiliser Statistics - 2015-16, The Fertiliser Association of India, New Delhi.

**Table 14.6(b):** Status of Soil Health Card Scheme

(as on 08.11.2016)

Sl. No.	State	Target Number of Samples for 2016-17	No. of Samples Collected	No. of Samples Tested	No. of Soil Health Cards Issued
(1)	(2)	(3)	(4)	(5)	(6)
<b>I. Southern Zone</b>					
1	Andhra Pradesh	1348382	1207311	1095267	4355143
2	Karnataka	1665765	1151717	894057	615639
3	Kerala	127585	90151	90604	115263
4	Tamil Nadu	1274536	1186685	859718	3507666
5	Telangana	1034678	1088957	733581	2263191
<b>II. West Zone</b>					
6	Gujarat	1589236	2005000	1372073	1366016
7	Madhya Pradesh	2313977	2029382	855643	2776267
8	Maharashtra	2347121	2377912	1624000	5622000
9	Rajasthan	2308013	2082942	705107	1890487
10	Chhattisgarh	703691	630245	376994	1127545
11	Goa	25000	21824	19585	19585
<b>III. Northern Zone</b>					
12	Haryana	788670	757420	396519	275410
13	Punjab	835526	447047	246760	513186
14	Uttarakhand	135738	110520	99010	395972
15	Uttar Pradesh	4770399	3515386	1494039	4186549
16	Himachal Pradesh	69635	80607	79107	333974
17	J & K	165318	79879	51286	86044
<b>IV. Eastern Zone</b>					
18	Bihar	1308778	809540	481302	1595817
19	Jharkhand	115302	101812	67295	134447
20	Odisha	668635	555372	405922	1287295
21	West Bengal	1300349	543567	494701	1050000
<b>V. North Eastern Zone</b>					
22	Arunachal Pradesh	20532	14632	10202	1392
23	Assam	278707	103588	35055	81787
24	Manipur	20713	8630	4199	3302
25	Meghalaya	27338	34399	29543	28674
26	Mizoram	11986	8551	7666	7666
27	Nagaland	33423	24995	20675	17700
28	Sikkim	13217	13217	13217	27000
29	Tripura	32736	24935	22381	22381
<b>Union Territories</b>					
30	Andaman & Nicobar	1405	1870	1870	0
31	Dadar Nagar & Haveli	2162	0	0	0
32	Puducherry	3530	4516	3275	30
33	Chandigarh	277	544	0	0
<b>Total</b>		<b>25342360</b>	<b>21113153</b>	<b>12590653</b>	<b>33707428</b>

Source: Department of Agriculture, Cooperation &amp; Farmers Welfare

Table 14.7(a): Crop-wise requirement and availability of Certified/ Quality Seeds

Year	2013-14				2014-15				2015-16				(Lakh Quintal)
Crop Name	Require- ment	Availability		Require- ment	Availability		Require- ment	Availability		Require- ment	Availability		Total
		Public	Private		Public	Private		Public	Private		Public	Private	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	
Wheat	112.53	49.12	59.23	108.35	112.53	44.78	72.07	116.86	113.46	51.25	66.73	117.98	
Paddy	82.37	47.99	41.97	89.95	84.8	46.46	46.46	92.92	82.86	47.96	47.14	95.1	
Ragi	0.32	0.23	0.12	0.34	0.31	0.25	0.11	0.36	0.32	0.47	0.07	0.53	
Barley	2.05	0.97	1.84	2.81	2.23	0.61	2.26	2.87	2.25	0.69	2.48	3.17	
Maize	10.42	1.75	8.84	10.59	10.84	1.15	11.1	12.25	10.7	0.73	11.96	12.69	
Bajra	2.52	0.82	2.67	3.49	2.42	0.16	2.53	2.69	2.55	0.27	2.57	2.84	
Jowar	2.8	1.25	2.34	3.59	2.42	0.62	2.13	2.75	2.95	0.77	2.39	3.16	
Other Cereals	0.05	0.02	0.03	0.05	0.03	0.02	0.02	0.04	0.05	0.01	0.06	0.06	
Total	213.07	102.15	117.03	219.18	215.58	94.06	136.68	230.74	215.15	102.14	133.39	235.53	
Gram	17.07	11.34	8.76	20.1	16.11	12.36	3.36	15.72	18.14	7.3	7.56	14.86	
Urd	2.48	2.45	1.36	3.82	2.68	2	1.31	3.31	2.62	1.36	1.36	2.71	
Cowpea	0.27	0.15	0.15	0.3	0.36	0.2	0.15	0.35	0.26	0.14	0.15	0.29	
Moong	1.93	1.74	0.92	2.65	2.79	1.72	1.58	3.31	2.87	1.63	1.6	3.23	
Horse Gram	0.17	0.06	0.11	0.17	0.17	0.07	0.11	0.18	0.24	0.04	0.18	0.22	
Lentil	1.46	0.57	0.86	1.42	1.79	0.53	0.85	1.38	1.3	0.35	0.71	1.06	
Lathyrus					0.01	0.01	-	0.01	0	0.01	0	0.01	
Peas	1.8	0.64	1	1.64	1.96	0.5	1.06	1.57	2.12	0.59	1.24	1.83	
Grain Amaranthus									0	0	0	0	
Moth	0.21	0.09	0.07	0.17	0.25	0.07	0.06	0.14	0.21	0.02	0.11	0.13	
Arhar	2.58	1.2	1.32	2.52	2.64	1.15	1.63	2.78	2.51	1.11	1.6	2.72	
Rajma	0.05	0.01	0.04	0.05	0	0	-	0	0.06	0.03	0.03	0.06	

(Contd.)

Table 14.7a (Contd.)

Year	Crop Name	2013-14				2014-15				2015-16			
		Require- ment	Availability		Total	Require- ment	Availability		Total	Require- ment	Availability		Total
(1)		(2)	Public	Private	(5)	(6)	Public	Private	(9)	(10)	Public	Private	(13)
Khesari		0.06	0.02	0.04	0.06	0.06	0.02	0.04	0.06	0.06	0.03	0.03	0.06
Indian bean		0.01	0	0	0.01	0.07	0	0.07	0.07	0.08	0.01	0.07	0.08
Rice bean						0	-	0	0	0	0	0	0
<b>Total</b>		<b>28.08</b>	<b>18.28</b>	<b>14.63</b>	<b>32.9</b>	<b>28.88</b>	<b>18.63</b>	<b>10.24</b>	<b>28.87</b>	<b>30.49</b>	<b>12.61</b>	<b>14.63</b>	<b>27.24</b>
Castor		0.63	0.21	0.52	0.73	0.72	0.19	0.66	0.85	0.61	0.16	0.47	0.62
R/Mustard		2.61	1.6	1.15	2.74	2.64	1.45	1.25	2.7	2.52	1.19	1.46	2.65
Groundnut		29.62	16.08	14.14	30.22	28.47	18.1	11.9	29.99	24.3	11.91	11.72	23.64
Niger		0.03	0	0.02	0.03	0.02	0.01	0.01	0.02	0.01	0.01	0	0.01
Til		0.29	0.13	0.18	0.31	0.31	0.14	0.23	0.37	0.32	0.16	0.21	0.36
Linseed		0.06	0.01	0.02	0.03	0.12	0.01	0.08	0.08	0.08	0.01	0.03	0.04
Soybean		33	21.82	15.12	36.95	34.29	10.96	16.37	27.33	31.02	11.4	12.04	23.45
Sunflower		0.54	0.04	0.56	0.6	0.45	0.04	0.42	0.46	0.48	0.04	0.47	0.51
Safflower		0.12	0.01	0.1	0.12	0.12	0.02	0.1	0.12	0.1	0.02	0.09	0.11
<b>Total</b>		<b>66.88</b>	<b>39.9</b>	<b>31.83</b>	<b>71.73</b>	<b>67.13</b>	<b>30.91</b>	<b>31.02</b>	<b>61.93</b>	<b>59.45</b>	<b>24.9</b>	<b>26.49</b>	<b>51.39</b>
Cotton		2.21	0.13	2.33	2.46	2.22	0.05	2.57	2.63	1.95	0.22	1.86	2.08
Jure/Mesta		0.53	0.34	0.05	0.39	0.45	0.19	0.42	0.61	0.36	0.11	0.03	0.14
<b>Total</b>		<b>2.74</b>	<b>0.48</b>	<b>2.38</b>	<b>2.86</b>	<b>2.68</b>	<b>0.24</b>	<b>3</b>	<b>3.24</b>	<b>2.31</b>	<b>0.33</b>	<b>1.89</b>	<b>2.22</b>
Potato		22.91	5.97	12.98	18.95	27.19	6.74	18.11	24.85	28.64	6.91	19.19	26.1
Fodders		1.589	0.987	0.715	1.702	2.09	0.51	1.63	2.14	1.05	0.39	0.65	1.05
<b>Grand Total</b>		<b>335.26</b>	<b>167.76</b>	<b>179.55</b>	<b>347.31</b>	<b>343.56</b>	<b>151.09</b>	<b>200.68</b>	<b>351.77</b>	<b>337.09</b>	<b>147.28</b>	<b>196.24</b>	<b>343.52</b>

Source: Department of Agriculture, Cooperation &amp; Farmers Welfare



**Table 14.7(b): Crop-wise Distribution of Certified/ Quality Seeds**

Crops	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
<b>Cereals</b>															
Wheat	32.59	33.00	35.97	41.31	44.21	54.55	63.25	74.83	90.66	97.83	97.61	116.47	93.75	117.83	95.83
Paddy	25.58	25.79	26.51	30.98	32.41	43.51	48.93	58.18	60.95	69.34	74.41	72.14	72.45	66.84	74.61
Maize	2.75	3.42	3.38	4.13	4.64	5.74	5.80	7.94	7.74	8.94	9.35	9.07	11.20	11.72	17.71
Jowar	2.20	2.15	2.37	2.31	2.28	2.32	2.38	2.41	2.24	2.16	1.99	2.29	2.06	1.74	2.02
Bajra	1.80	1.79	1.76	1.76	2.17	2.16	1.90	2.20	1.74	2.31	2.27	2.14	2.20	1.94	3.58
Ragi	0.14	0.24	0.21	0.25	0.22	0.21	0.27	0.25	0.05	0.26	0.26	0.29	0.29	0.35	0.30
Barley	0.50	0.58	0.62	0.67	0.80	1.08	1.27	1.62	1.77	1.79	3.80	1.97	1.08	2.78	0.90
<b>Sub-Total (Cereals)</b>	<b>65.56</b>	<b>66.97</b>	<b>70.82</b>	<b>81.41</b>	<b>86.73</b>	<b>109.87</b>	<b>123.80</b>	<b>147.43</b>	<b>165.15</b>	<b>182.62</b>	<b>189.69</b>	<b>204.37</b>	<b>183.03</b>	<b>203.20</b>	<b>194.95</b>
<b>Pulses</b>															
Gram	1.53	2.64	3.90	3.62	3.45	5.08	6.73	8.6	12.32	12.50	13.16	14.83	17.48	14.73	13.58
Lentil	0.29	0.26	0.35	0.52	0.45	0.54	0.56	0.59	0.55	0.74	0.66	0.70	1.28	1.19	0.98
Peas	0.31	0.37	0.60	0.61	0.82	0.93	1.10	1.29	2.07	1.47	1.36	1.79	3.17	2.03	1.73
Urad	0.97	1.43	1.32	1.01	0.92	0.8	1.40	1.37	1.61	1.96	2.31	2.33	1.64	1.84	2.23
Moong	0.83	0.81	1.21	0.76	0.77	0.23	1.34	1.23	1.29	1.76	2.00	2.13	1.95	2.00	1.83
Arhar	0.64	0.64	0.64	0.72	0.77	0.85	1.18	1.09	1.37	1.52	1.92	1.80	1.73	1.69	1.88
Cowpea	0.05	0.33	0.05	0.08	0.11	0.09	0.10	0.16	0.20	0.33	0.32	0.45	0.24	0.25	0.18
Others	0.07	0.12	0.10	0.08	0.08	0.11	0.16	0.15	0.28	0.56	0.53	0.48	0.31	1.05	0.29
<b>Sub-Total (Pulses)</b>	<b>4.69</b>	<b>6.60</b>	<b>8.17</b>	<b>7.40</b>	<b>7.37</b>	<b>9.63</b>	<b>12.57</b>	<b>14.48</b>	<b>19.69</b>	<b>20.83</b>	<b>22.26</b>	<b>24.51</b>	<b>27.80</b>	<b>24.77</b>	<b>22.71</b>
<b>Oilseeds</b>															
Groundnut	5.25	5.42	7.00	7.18	6.96	9.89	14.43	15.90	18.86	21.79	20.02	23.16	19.39	16.56	17.95
Rapeseed & Mustard	0.86	0.82	0.91	1.31	1.24	1.36	1.71	1.63	2.09	2.07	2.56	1.88	1.63	2.13	1.15
Til	0.16	0.13	0.14	0.12	0.14	0.16	0.22	0.18	0.18	0.20	0.23	0.20	0.18	0.22	0.21

(Contd.)

Table: 14.7b (Contd.)

Crops	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
Sunflower	0.48	0.61	0.56	0.80	0.90	0.89	0.92	0.80	0.76	0.55	0.29	0.35	0.32	0.28	0.22
Soyabean	4.99	6.88	10.20	13.36	14.29	14.05	16.52	20.89	28.44	25.55	37.60	32.08	38.94	23.34	27.19
Linseed	0.02	0.01	0.01	0.01	0.01	0.02	0.02	0.01	0.01	0.04	0.02	0.02	0.05	0.04	0.04
Castorseed	0.26	0.37	0.39	0.41	0.50	0.36	0.42	0.42	0.29	0.31	0.67	0.68	0.51	0.55	0.58
Safflower	0.07	0.07	0.04	0.08	0.08	0.07	0.08	0.09	0.07	0.08	0.09	0.04	0.06	0.03	0.09
Others	0.01	0.04	0.14	0.15	0.23	0.20	0.01		0.01	0.01	0.01		0.01	0.04	0.01
<b>Sub-Total (Oilseeds)</b>	<b>12.10</b>	<b>13.36</b>	<b>19.39</b>	<b>23.42</b>	<b>24.35</b>	<b>27.00</b>	<b>34.33</b>	<b>39.92</b>	<b>50.71</b>	<b>50.61</b>	<b>61.49</b>	<b>58.41</b>	<b>61.09</b>	<b>43.03</b>	<b>47.44</b>
Fibres															
Cotton	2.62	2.31	2.45	2.56	2.69	2.45	1.89	2.27	2.36	2.33	2.53	2.50	2.28	2.22	1.98
Jute	0.21	0.19	0.20	0.19	0.19	0.26	0.24	0.28	0.27	0.27	0.32	0.30	0.30	0.33	0.32
Mesta/Others	0.06	0.24	0.13	0.01	0.01	0.34	0.50	0.03	0.02	0.04	0.24	0.15	0.29	1.31	0.19
<b>Sub-Total (Fibers)</b>	<b>2.89</b>	<b>2.74</b>	<b>2.78</b>	<b>2.76</b>	<b>2.89</b>	<b>3.05</b>	<b>2.63</b>	<b>2.58</b>	<b>2.65</b>	<b>2.64</b>	<b>3.09</b>	<b>2.95</b>	<b>2.87</b>	<b>3.86</b>	<b>2.49</b>
Other Miscellaneous															
Potato	6.33	7.16	7.01	5.05	5.08	5.12	5.35	10.55	18.68	20.08	16.68	21.47	24.63	28.12	33.88
Others	0.23	0.21	0.23	0.22	0.33	0.34	0.37	0.85	0.23	0.55	1.64	1.73	1.97	0.14	2.57
<b>Sub-Total (Other Miscs.)</b>	<b>6.56</b>	<b>7.37</b>	<b>7.24</b>	<b>5.27</b>	<b>5.41</b>	<b>5.46</b>	<b>5.72</b>	<b>11.40</b>	<b>18.91</b>	<b>20.63</b>	<b>18.32</b>	<b>23.20</b>	<b>26.60</b>	<b>28.26</b>	<b>36.45</b>
<b>Grand Total</b>	<b>91.80</b>	<b>97.04</b>	<b>108.40</b>	<b>120.26</b>	<b>126.75</b>	<b>155.01</b>	<b>179.05</b>	<b>215.81</b>	<b>257.11</b>	<b>277.34</b>	<b>294.85</b>	<b>313.44</b>	<b>301.39</b>	<b>303.12</b>	<b>304.04</b>

Source: Department of Agriculture, Cooperation &amp; Farmers Welfare

**Table 14.7(c):** Crop-wise requirement and availability of Certified/ Quality of Hybrid Seeds

Sl. No.	Crop	2010-11		2011-12		2012-13		2013-14		2014-15		2015-16	
		Req.	Av.	Req.	Av.	Req.	Av.	Req.	Av.	Req.	Av.	Req.	Av.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
1	Paddy	9.80	10.90	9.90	9.20	31.60	31.30	42.80	34.20	15.10	19.50	38.50	61.40
2	Maize	75.40	92.20	101.70	122.00	97.00	103.40	94.00	96.60	93.50	106.90	101.60	120.50
3	Jowar	11.50	13.90	13.00	13.90	13.20	13.90	7.90	10.20	15.60	19.00	17.70	20.00
4	Bajra	21.90	26.00	24.60	28.40	24.00	27.10	23.60	33.20	21.00	24.80	24.10	26.60
5	Arhar	0.06	0.06	0.02	0.02	0.00	0.01	0.00	0.00	0.09	0.09	0.10	0.00
6	Sunflower	5.80	6.30	6.90	9.60	6.40	6.60	4.90	5.40	2.90	3.00	4.40	4.60
7	Safflower	0.05	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	Castor	2.50	3.10	3.37	4.50	4.00	4.30	3.40	4.30	7.10	8.40	6.00	6.10
9	Cotton	14.40	15.60	19.50	22.50	22.40	25.40	15.90	17.90	17.90	21.70	18.70	19.80
<b>TOTAL</b>		<b>141.41</b>	<b>168.06</b>	<b>179.00</b>	<b>210.12</b>	<b>198.60</b>	<b>212.01</b>	<b>192.50</b>	<b>201.80</b>	<b>173.19</b>	<b>203.39</b>	<b>211.10</b>	<b>259.00</b>

Source: Department of Agriculture, Cooperation & Farmers Welfare

Req.: Requirement Av: Availability

**Table 14.8(a):** Consumption of Electricity for Agricultural Purposes

Year	Consumption for Agricultural Purposes (GWh)	Total Consumption (GWh)	% Share of Agricultural Consumption to Total Consumption
(1)	(2)	(3)	(4)
1983-84	18234	102344	17.82
1984-85	20960	114068	18.38
1985-86	23422	122999	19.04
1986-87	29444	135952	21.66
1987-88	35267	145613	24.22
1988-89	38878	160196	24.27
1989-90	44056	175419	25.11
1990-91	50321	190357	26.44
1991-92	58557	207645	28.20
1992-93	63328	220674	28.70
1993-94	70699	238569	29.63
1994-95	79301	259630	30.54
1995-96	85732	277029	30.95
1996-97	84019	280206	29.98
1997-98	91242	296749	30.75
1998-99	97195	309734	31.38
1999-00	90934	312841	29.07
2000-01	84729	316600	26.76
2001-02	81673	322459	25.33
2002-03	84486	339598	24.88
2003-04	87089	360937	24.13
2004-05	88555	386134	22.93
2005-06	90292	411887	21.92
2006-07	99023	455748	21.73
2007-08	104182	501977	20.75
2008-09	107776	527564	20.43
2009-10	119492	569618	20.98
2010-11	126377	616969	20.48
2011-12	140960	672933	20.95
2012-13	147462	708843	20.80
2013-14	152744	751908	20.31
2014-15	168913	814250	20.74

Source : Central Electricity Authority, New Delhi

**Table 14.8 (b):** State-wise Consumption of Electricity for Agriculture purpose in 2013-14

Region	State/UT	Consumption for Agriculture Purpose (GWh)	Total Energy Sold (GWh)	% Share of Consumption for Agriculture
(1)	(2)	(3)	(4)	(5)
Northern	Haryana	8535.22	29082.52	29.35
	Himachal Pradesh	47.64	7649.49	0.62
	Jammu & Kashmir	280.73	5754.36	4.88
	Punjab	10223.57	37556.79	27.22
	Rajasthan	17262.84	43151.00	40.01
	Uttar Pradesh	10210.93	59176.69	17.25
	Uttarakhand	343.99	9596.89	3.58
	Chandigarh	1.46	1419.27	0.10
	Delhi	29.23	23980.79	0.12
	Sub-Total	46935.61	217367.80	21.59
Western	Gujarat	14729.72	66877.50	22.02
	Madhya Pradesh	11858.49	36770.45	32.25
	Chhattisgarh	2492.20	14791.14	16.85
	Maharashtra	22257.94	100842.25	22.07
	Goa	21.00	3085.20	0.68
	Daman & Diu	3.15	1818.54	0.17
	D. & N. Haveli	3.82	5189.51	0.07
	Sub-Total	51366.32	229374.59	22.39
Southern	Andhra Pradesh	21857.35	72919.24	29.97
	Karnataka	18077.62	53716.25	33.65
	Kerala	317.81	18024.60	1.76
	Tamil Nadu	12295.00	71772.37	17.13
	Puducherry	57.00	2531.92	2.25
	Lakshadweep	0.00	41.03	0.00
	Sub-Total	52604.78	219005.41	24.02
Eastern	Bihar	321.79	7979.71	4.03
	Jharkhand	92.40	18174.64	0.51
	Odisha	171.82	14411.46	1.19
	West Bengal	1183.15	36591.59	3.23
	A.& N. Islands	0.88	215.77	0.41
	Sikkim	0.00	404.71	0.00
	Sub-Total	1770.04	77777.88	2.28
North Eastern	Assam	36.00	4763.00	0.76
	Manipur	1.66	397.96	0.42
	Meghalaya	0.20	1321.51	0.02
	Nagaland	0.05	394.50	0.01
	Tripura	29.56	722.28	4.09
	Arunachal Pradesh	0.06	480.52	0.01
	Mizoram	0.06	302.79	0.02
	Sub-Total(NER)	67.59	8382.56	0.81
	<b>Total (All India)</b>	<b>152744.34</b>	<b>751908.24</b>	<b>20.31</b>

Source : Central Electricity Authority, New Delhi.

GWh: Giga Watt-hour

**Table 14.9(a):** Flow of Institutional Credit to Agriculture Sector

		(₹ in Crore)														
Particulars/Agency	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
<b>I. Production (ST) Credit</b>																
Co-operative Banks	16528	18787	19668	22640	27157	34930	38622	43294	40164	56946	64527	81829	102592	113574	NA	NA
RRBs	3245	3777	4775	6088	10010	12712	16631	21133	22413	29802	37808	47401	55957	70697	NA	NA
Commercial Banks *	13486	17904	21104	26192	38791	57640	83202	116966	147818	189908	216773	266928	314951	388730	NA	NA
Other Agencies	55	41	39	57	104	68			66							
<b>Sub Total (A)</b>	<b>33314</b>	<b>40509</b>	<b>45586</b>	<b>54977</b>	<b>76062</b>	<b>105350</b>	<b>138455</b>	<b>181393</b>	<b>210461</b>	<b>276656</b>	<b>319108</b>	<b>396158</b>	<b>473500</b>	<b>573001</b>	<b>635412</b>	<b>640268</b>
<b>II. MT/LT Credit</b>																
Co-operative Banks	4190	4737	3968	4235	4074	4474	3858	4964	5802	6551	5578	6134	8611	6389	NA	NA
RRBs	974	1077	1295	1493	2394	2511	3804	4179	4352	5415	6160	7049	7724	11956	NA	NA
Commercial Banks *	14321	15683	18670	26249	42690	67837	83283	64122	81133	95892	115933	101688	117540	120275	NA	NA
Other Agencies	28	39	41	27	89	314			160							
<b>Sub Total (B)</b>	<b>19513</b>	<b>21536</b>	<b>23974</b>	<b>32004</b>	<b>49247</b>	<b>75136</b>	<b>90945</b>	<b>73265</b>	<b>91447</b>	<b>107858</b>	<b>127671</b>	<b>114871</b>	<b>133875</b>	<b>138620</b>	<b>209916</b>	<b>237259</b>
<b>Total Credit (ST + MT/LT)</b>																
Co-operative Banks	20718	23524	23636	26875	31231	39404	42480	48258	45966	63497	70105	87963	111203	119963	138469	153295
RRBs	4219	4854	6070	7581	12404	15223	20435	25312	26765	35217	43968	54450	63681	82653	102483	119261
Commercial Banks *	27807	33587	39774	52441	81481	125477	166485	181088	228951	285800	332706	368616	432491	509005	604376	604971
Other Agencies	83	80	80	84	193	382			226							
<b>Grand Total (A+B)</b>	<b>52827</b>	<b>62045</b>	<b>69560</b>	<b>86981</b>	<b>125309</b>	<b>180486</b>	<b>229400</b>	<b>254658</b>	<b>301908</b>	<b>384514</b>	<b>446779</b>	<b>511029</b>	<b>607375</b>	<b>711621</b>	<b>845328</b>	<b>877527</b>

Source: Department of Agriculture, Cooperation &amp; Farmers Welfare

\* Provisional

NA :- Agency-wise segregation is not yet available for Short Term/Medium Term/Long Term Credit

**Table 14.9(b):** State-wise Agriculture Loan disbursed during 2015-16

Sl. No.	States	Crop Loan		Term Loan		Total Loan (Crop Loan & Term Loan)		(No. of A/c in Thousands) (Amounts in ₹ Crore)
		No. of A/c (3)	Amount (4)	No. of A/c (5)	Amount (6)	No. of A/c (7)	Amount (8)	
1	Tamil Nadu	7975450	85220	2788436	19998	10763886	105218	
2	Karnataka	4339270	30130	3810416	54702	8149686	84832	
3	Punjab	1952160	71829	1397407	12824	3349567	84653	
4	Andhra Pradesh	5879782	56474	3551290	17662	9431072	74136	
5	Rajasthan	4579548	56903	3237597	10725	7817146	67627	
6	Maharashtra	5004809	40591	4487008	22186	9491817	62777	
7	Madhya Pradesh	4892233	41995	4035171	10109	8927404	52104	
8	Haryana	2068047	39174	1747114	10617	3815161	49790	
9	Gujarat	2120949	34215	1709057	10348	3830006	44563	
10	Kerala	4076349	36082	2251113	7310	6327461	43392	
11	Bihar	2193700	22698	2141579	17844	4335279	40542	
12	West Bengal	5584251	29241	6142988	9833	11727239	39075	
13	Uttar Pradesh	7159988	32555	5681171	4774	12841159	37329	
14	Telangana	3475666	22581	2549863	6419	6025529	29000	
15	Odisha	3903474	16091	3728968	2160	7632442	18251	
16	Chhattisgarh	1204184	6716	1241050	1761	2445234	8477	
17	Delhi*	4655	4594	13434	3740	18089	8334	
18	Uttarakhand	377426	2996	284932	3340	662358	6336	
19	Himachal Pradesh	201216	3877	133396	1245	334612	5122	

(Contd.)

Table: 14.9b (Contd.)

Sl. No.	States	Crop Loan			Term Loan			Total Loan (Crop Loan & Term Loan)		
		No. of A/c	Amount	(3)	No. of A/c	Amount	(5)	No. of A/c	Amount	(8)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
20	Assam	3350	160802	1855	138534	5205	3905			
21	Jharkhand	267625	1586	211023	2076	478648	3662			
22	Jammu & Kashmir	112918	1572	39616	1189	152534	2761			
23	Chandigarh UT	2619	189	76814	1798	79433	1987			
24	Tripura	49853	246	67946	1034	117799	1281			
25	Puducherry	136119	1029	154571	52	290690	1082			
26	Goa	12209	354	18769	222	30978	576			
27	Arunachal Pradesh	2334	73	75688	98	78022	171			
28	Nagaland	7927	62	4161	56	12088	118			
29	Meghalaya	17956	60	13820	48	31776	108			
30	A & N Islands	4865	9	9069	95	13934	104			
31	Mizoram	4450	42	6126	57	10576	99			
32	Sikkim	3868	44	3387	27	7255	72			
33	Daman & Diu UT*	762	12	331	8	1093	20			
34	Manipur	8623	9	9829	7	18452	16			
35	D & N Haveli UT*	282	11	221	4	503	8			
36	Lakshadweep UT	205297	-	448483	448483	653780	-			
<b>Grand Total</b>		<b>67991663</b>	<b>640268</b>	<b>52502189</b>	<b>237259</b>	<b>120493852</b>	<b>877527</b>			

Source: Department of Agriculture, Cooperation &amp; Farmers Welfare

Note:- States/UTs have been sorted in ascending order of Total Loan in Col-8

\*Data as on 31 December 2015 for Delhi, Dadra &amp; Nagar Haveli UT, Daman &amp; Diu UT



**Table 14.10** State-wise and Agency-wise Operative/Live KCCs- Issued and Amount Outstanding as on 31st March 2016 (Cumulative)  
(Number in Lakh and Amount in Rs. Crore)

Sl. No.	State/UT	Commercial Banks				Cooperative Banks				RRBs				Total	
		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
1	Andamans	0.05	2.60	0.06	10.73	0.00	0.00	0.00	0.00	0.11	13.33				
2	Andhra Pradesh	119.66	19494.67	15.68	6095.65	10.33	5052.17	145.68	30642.49						
3	Arunachal Pradesh	0.37	59.79	0.00	9.32	0.00	8.67	0.37	77.78						
4	Assam	11.01	2719.49	0.31	32.90	6.95	1647.39	18.26	4399.78						
5	Bihar	37.01	9298.84	9.74	296.97	21.49	6719.55	68.24	16315.36						
6	Chandigarh	0.09	425.61	0.00	0.00	0.00	0.00	0.09	425.61						
7	Chattisgarh	5.07	3137.34	0.00	1293.44	2.79	1085.33	7.86	5516.11						
8	Dadra & Nagar Haveli	0.02	6.83	0.00	0.00	0.00	0.00	0.02	6.83						
9	Daman & Diu	0.01	3.75	0.00	0.00	0.00	0.00	0.01	3.75						
10	Delhi	0.23	204.97	0.00	7.20	0.00	0.00	0.23	212.17						
11	Goa	0.20	31.20	0.01	17.46	0.00	0.00	0.21	48.66						
12	Gujarat	22.43	19875.98	16.34	7182.74	4.75	2985.21	43.53	30043.93						
13	Haryana	17.24	22036.95	13.29	8275.64	5.87	3837.27	36.41	34149.86						
14	Himachal Pradesh	4.07	2728.29	2.53	1075.83	1.12	373.73	7.72	4177.85						
15	Jammu & Kashmir	4.70	3259.65	0.77	261.66	1.63	99.03	7.10	3600.34						
16	Jharkhand	14.54	2184.75	0.00	34.98	4.54	965.90	19.08	3185.63						
17	Karnataka	47.97	17792.19	26.44	10087.46	20.36	7413.13	94.77	35292.78						
18	Kerala	23.45	6770.40	17.21	2723.53	11.70	1144.87	52.35	10638.80						
19	Lakshadweep	0.03	2.78	0.00	0.00	0.00	0.00	0.03	2.78						
20	Madhya Pradesh	30.10	28447.21	53.28	10400.92	8.63	5950.94	92.01	44799.07						
21	Maharashtra	65.86	27896.43	36.23	17001.03	2.08	764.57	104.17	45662.03						

(Contd.)

Table: 14.10 (Contd.)

Sl. No.	State/UT	Commercial Banks		Cooperative Banks		RRBs		Total	
		Cumulative cards issued since inception	Outstanding Amount	Cumulative cards issued since inception	Outstanding Amount	Cumulative cards issued since inception	Outstanding Amount	Cumulative cards issued since inception	Outstanding Amount
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
22	Manipur	0.44	115.29	0.00	1.90	0.06	15.24	0.50	132.43
23	Meghalaya	1.26	277.11	0.00	30.35	0.29	0.00	1.55	307.46
24	Mizoram	0.34	82.13	0.03	6.21	0.64	63.70	1.01	152.04
25	Nagaland	0.71	149.65	0.00	10.27	0.01	0.00	0.72	159.92
26	Orissa	26.12	3290.77	45.66	8031.56	7.18	2235.96	78.95	13558.29
27	Puducherry	1.24	83.70	0.08	15.66	0.01	9.22	1.34	108.58
28	Punjab	24.74	42974.10	10.44	7185.96	2.95	3454.44	38.12	53614.50
29	Rajasthan	42.15	39100.79	33.34	11102.52	8.33	8734.82	83.81	58938.13
30	Sikkim	0.25	50.78	0.11	9.73	0.00	0.00	0.36	60.51
31	Tamil Nadu	68.02	8662.49	17.79	5144.17	13.57	1729.32	99.37	15535.98
32	Telangana	71.66	12708.02	12.65	2720.16	15.38	5965.97	99.69	21394.15
33	Tripura	4.50	287.35	0.00	52.51	2.07	146.43	6.57	486.29
34	Uttarakhand	15.16	5861.93	4.17	935.55	0.49	298.82	19.82	7096.30
35	Uttar Pradesh	102.52	48266.60	84.03	5831.09	106.51	24542.27	293.06	78639.96
36	West Bengal	52.44	4983.00	20.18	3243.18	8.87	2408.91	81.49	10635.09
	<b>Total</b>	<b>815.66</b>	<b>333,253.43</b>	<b>420.36</b>	<b>109,128.28</b>	<b>268.60</b>	<b>87,652.87</b>	<b>1504.61</b>	<b>530034.58</b>

Source: Department of Agriculture, Cooperation & Farmers Welfare

# SCB functions as CFA.

@ No Cooperative Banks in these UTs.

\$ No RRB in these States/UTs.

**Table 14.11(a): State-wise National Agricultural Insurance Scheme (NAIS)-Cumulative upto Rabi 2015-16**

Sl. No.	State / UTs	No. of Farmers covered	Area Insured (In Ha.)	Sum Insured	Farmers' Premium	State Govt. Premium (Share)	Gof Premium (Share)	Gross Premium	Claims Reported	Claims Paid	No. of Farmers Benefitted
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
1	Andhra Pradesh	30647746	46430337.38	6567286.49	171946.61	8306.58	8306.58	188559.76	503002.75	487610.41	6974654
2	Assam	422654	309427.45	90821.88	2269.20	130.77	130.77	2530.74	1693.36	1662.41	66123
3	Bihar	10707824	11710269.13	2829879.34	57771.32	2566.75	2566.75	62904.82	404638.71	258432.25	4405908
4	Chhattisgarh	11802512	23539517.05	1504999.34	35314.54	1955.61	906.27	38176.43	109830.63	107729.40	2389516
5	Goa	8211	13440.13	318.12	4.31	0.73	0.60	5.65	2.36	2.36	702
6	Gujarat	15496181	35194678.68	4931852.71	179895.16	15697.38	7080.19	202672.73	880375.31	880375.32	5500924
7	Haryana	635778	769038.32	83496.10	2345.73	34.13	34.13	2413.98	4336.39	4336.40	129424
8	Himachal Pradesh	372427	292221.87	78532.67	900.42	668.81	87.87	1657.10	2252.03	1990.57	114714
9	Jharkhand	6931179	4247333.09	459685.46	10461.03	353.70	353.70	11168.42	75038.95	60945.16	2582643
10	Karnataka	14359973	22589874.16	2013979.91	54238.73	1861.45	1812.38	57912.56	282810.44	282227.32	6099362
11	Kerala	461282	414760.68	87165.63	1629.98	125.80	125.80	1881.59	3062.82	3062.82	85472
12	Madhya Pradesh	43773385	103135018.44	9997403.40	261730.20	3634.83	3634.83	268999.86	1018918.44	994326.91	9857683
13	Maharashtra	51770126	40869932.70	3971360.41	127387.50	36666.43	5342.31	169396.24	983411.17	894027.37	24809085
14	Manipur	35645	57471.71	14812.25	348.42	10.16	10.16	368.73	1226.20	1226.20	29932
15	Meghalaya	36357	36342.74	7473.42	277.09	21.32	21.32	319.72	68.46	52.18	3600
16	Mizoram	121	133.79	23.24	0.53	0.03	0.03	0.58	11.23	11.23	119
17	Odisha	19975543	19460413.30	3623794.66	81722.19	4494.70	4494.70	90711.59	387711.37	387711.37	4408892

(Contd.)

Table 14.11a (Contd.)

Sl. No.	State / UTs	No. of Farmers covered	Area Insured (In Ha.)	Sum Insured	Farmers' Premium	State Govt. Premium (Share)	Gol Premium (Share)	Gross Premium	Claims Reported	Claims Paid	No. of Farmers Benefitted
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
18	Rajasthan	15058674	31379980.35	1620309.00	45016.74	368.81	368.81	45754.35	262165.99	262165.99	5200566
19	Sikkim	2062	1445.41	351.95	6.78	0.47	0.47	7.72	1.28	1.28	86
20	Tamil Nadu	8308806	10560086.59	2585151.62	33934.27	30231.12	3150.69	67316.08	346281.58	299341.23	2930929
21	Telangana	1290368	1538625.53	668004.80	17556.41	784.85	784.85	19126.11	4914.60	2204.19	76278
22	Tripura	21248	14086.19	3301.68	80.68	4.86	4.86	90.39	58.55	58.31	3450
23	Uttar Pradesh	23426012	31070385.59	3353782.49	63262.82	2609.59	2609.59	68482.01	116937.52	116937.52	4517617
24	Uttarakhand	399156	372508.94	87097.93	1799.49	89.32	89.32	1978.13	4188.31	4188.31	119370
25	West Bengal	15115455	7428041.85	2111163.35	50270.65	53428.45	5784.69	109483.78	150531.50	133834.36	3359096
26	A & N Islands	4773	7147.86	2300.39	3.25	45.00	15.48	63.73	116.41	115.22	1102
27	Puducherry	43258	59992.72	11669.90	137.23	72.97	17.89	228.10	316.95	313.75	7269
28	Jammu & Kashmir	49065	68994.99	10902.23	197.86	7.97	7.97	213.80	126.42	124.07	4492
<b>Total</b>		<b>271155821.00</b>	<b>391571506.64</b>	<b>46716920.37</b>	<b>1200509.15</b>	<b>164172.58</b>	<b>47742.99</b>	<b>1412424.72</b>	<b>5544029.75</b>	<b>5185013.92</b>	<b>83679008.00</b>

Source: Department of Agriculture, Cooperation &amp; Farmers Welfare

Note: Rabi 2015-16 statistics is provisional and claims from few states are yet to be reported

**Table 14.11 (b):** Season-wise National Agricultural Insurance Scheme (NAIS)-Cumulative upto Rabi 2015-16

Sl. No.	State / UTs	No. of Farmers covered	Area Insured (In Ha)	Sum Insured	Farmers' Premium	State Govt. Premium (Share)	Gol Premium (Share)	Gross Premium	Claims Reported	Claims Paid	No. of Farmers Benefitted
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
1	Rabi 1999-00	579940	780569.36	35640.71	376.78	82.85	82.85	542.48	769.26	769.26	55288
2	Kharif 2000	8409374	13219828.68	690338.38	15933.68	2369.94	2369.94	20673.55	122248.15	122248.15	3635252
3	Rabi 2000-01	2091733	3111423.25	160268.46	1955.23	411.77	411.77	2778.76	5948.63	5948.63	526697
	<b>Total 2000-01</b>	<b>10501107</b>	<b>16331251.93</b>	<b>850606.84</b>	<b>17888.91</b>	<b>2781.70</b>	<b>2781.70</b>	<b>23452.31</b>	<b>128196.78</b>	<b>128196.78</b>	<b>4161949</b>
4	Kharif 2001	8696587	12887710.38	750246.11	21399.68	2381.07	2381.07	26161.82	49363.57	49363.57	1741906
5	Rabi 2001-02	1955431	3145872.65	149751.11	2237.00	388.90	388.90	3014.79	6465.80	6465.80	453325
	<b>Total 2001-02</b>	<b>10652018</b>	<b>16033583.03</b>	<b>899997.22</b>	<b>23636.68</b>	<b>2769.97</b>	<b>2769.97</b>	<b>29176.61</b>	<b>55829.37</b>	<b>55829.37</b>	<b>2195231</b>
6	Kharif 2002	9768711	15532348.53	943169.37	28060.29	2243.19	2243.19	32546.68	182439.20	182439.20	4297155
7	Rabi 2002-03	2326811	4037824.35	183754.52	3177.63	336.41	336.41	3850.44	18854.84	18854.84	926408
	<b>Total 2002-03</b>	<b>12095522</b>	<b>19570172.88</b>	<b>1126923.89</b>	<b>31237.92</b>	<b>2579.60</b>	<b>2579.60</b>	<b>36397.12</b>	<b>201294.04</b>	<b>201294.04</b>	<b>5223563</b>
8	Kharif 2003	7970830	1235513.83	811412.55	25888.61	1222.29	1222.29	28333.19	65268.47	65268.47	1712271
9	Rabi 2003-04	4421287	6468662.75	304949.21	5781.70	312.09	312.09	6405.87	49710.37	49710.37	2098125
	<b>Total 2003-04</b>	<b>12392117</b>	<b>18824176.58</b>	<b>1116361.76</b>	<b>31670.31</b>	<b>1534.38</b>	<b>1534.38</b>	<b>34739.06</b>	<b>114978.84</b>	<b>114978.84</b>	<b>3810396</b>
10	Kharif 2004	12687104	24273393.97	1317061.59	43885.06	1004.61	1004.61	45894.28	103832.95	103832.95	2674746
11	Rabi 2004-05	3531045	5343243.62	377420.53	7172.91	206.18	206.18	7585.28	16058.60	16058.60	772779
	<b>Total 2004-05</b>	<b>16218149</b>	<b>29616637.59</b>	<b>1694482.12</b>	<b>51057.97</b>	<b>1210.79</b>	<b>1210.79</b>	<b>53479.55</b>	<b>119891.55</b>	<b>119891.55</b>	<b>3447525</b>
12	Kharif 2005	12673833	20531037.95	1351909.81	42951.40	1021.77	1021.77	44994.94	108644.91	108644.91	2687605
13	Rabi 2005-06	4048524	7218417.22	507166.12	9959.28	261.56	261.56	10482.40	33830.20	33830.20	980748

(Contd.)

Table: 14.11b (Contd.)

Sl. No.	State / UTs	No. of Farmers covered	Area Insured (In Ha)	Sum Insured	Farmers' Premium	State Govt. Premium (Share)	Gol Premium (Share)	Gross Premium	Claims Reported	Claims Paid	No. of Farmers Benefited
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
	<b>Total 2005-06</b>	<b>16722257</b>	<b>27749455.17</b>	<b>1859075.94</b>	<b>52910.68</b>	<b>1283.33</b>	<b>1283.33</b>	<b>55477.34</b>	<b>142475.11</b>	<b>142475.11</b>	<b>3668353</b>
14	Kharif 2006	12934060	19672280.35	1475936.10	44074.09	1592.60	1062.46	46729.14	177621.89	177621.89	3131511
15	Rabi 2006-07	4977980	7632881.68	654221.41	13149.85	769.47	368.27	14287.60	51597.41	51597.41	1391554
	<b>Total 2006-07</b>	<b>17912040</b>	<b>27305162.03</b>	<b>2130157.52</b>	<b>57223.94</b>	<b>2362.07</b>	<b>1430.73</b>	<b>61016.74</b>	<b>229219.30</b>	<b>229219.31</b>	<b>4523065</b>
16	Kharif 2007	13398822	20754746.67	1700796.37	49766.23	1429.31	1236.74	52432.28	91535.70	91535.69	1591863
17	Rabi 2007-08	5044016	7387156.02	746664.33	14071.44	1345.25	454.31	15871.00	81017.92	81017.92	1578668
	<b>Total 2007-08</b>	<b>18442838</b>	<b>28141902.69</b>	<b>2447460.70</b>	<b>63837.67</b>	<b>2774.56</b>	<b>1691.05</b>	<b>68303.28</b>	<b>172553.61</b>	<b>172553.61</b>	<b>3170531</b>
18	Kharif 2008	12992272	17636186.74	1566607.29	47822.23	2192.86	1179.27	51194.35	237780.25	237780.26	4218975
19	Rabi 2008-09	6210648	8857836.10	1114871.03	22332.07	6296.27	943.74	29572.08	150981.81	150975.62	1979705
	<b>Total 2008-09</b>	<b>19202920</b>	<b>26494022.84</b>	<b>2681478.32</b>	<b>70154.30</b>	<b>8489.13</b>	<b>2123.01</b>	<b>80766.44</b>	<b>388762.06</b>	<b>388755.88</b>	<b>6198680</b>
20	Kharif 2009	18253072	25769817.24	2761670.64	80572.32	3589.15	2123.41	86284.89	453769.16	453769.16	7970969
21	Rabi 2009-10	5681148	7899761.05	1100750.21	21674.65	6524.54	971.28	29170.48	58039.75	58038.25	1040659
	<b>Total 2009-10</b>	<b>23934220</b>	<b>33669578.29</b>	<b>3862420.85</b>	<b>102246.98</b>	<b>10113.70</b>	<b>3094.70</b>	<b>115455.37</b>	<b>511808.91</b>	<b>511807.41</b>	<b>9011628</b>
22	Kharif 2010	12682242	17108888.27	2371089.61	67637.11	2612.50	1928.94	72178.55	164177.75	164176.99	2253293
23	Rabi 2010-11	4967878	6938628.49	1101055.62	20398.73	8405.33	1012.67	29816.72	65793.65	65793.65	1138466
	<b>Total 2010-11</b>	<b>17650120</b>	<b>24047516.76</b>	<b>3472145.23</b>	<b>88035.84</b>	<b>11017.82</b>	<b>2941.61</b>	<b>101995.27</b>	<b>229971.39</b>	<b>229970.64</b>	<b>3391759</b>
24	Kharif 2011	11554561	15776488.93	2348710.82	66203.64	3347.24	1884.02	71434.91	166541.78	166541.78	1844727
25	Rabi 2011-12	5239299	7609277.50	1128393.63	19447.73	5669.68	650.40	25767.81	54337.07	54254.36	1287236
	<b>Total 2011-12</b>	<b>16793860</b>	<b>23385766.43</b>	<b>3477104.45</b>	<b>85651.37</b>	<b>9016.93</b>	<b>2534.43</b>	<b>97202.72</b>	<b>220878.85</b>	<b>220796.13</b>	<b>3131963</b>

(Contd.)

Table: 14.11b (Contd.)

Sl. No.	State / UTs	No. of Farmers covered	Area Insured (In Ha)	Sum Insured	Farmers' Premium	State Govt. Premium (Share)	Gol Premium (Share)	Gross Premium	Claims Reported	Claims Paid	No. of Farmers Benefitted
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
26	Kharif 2012	10649354	15693700.52	2719906.05	76983.25	8824.39	2066.54	87874.18	278699.98	278683.50	1912523
27	Rabi 2012-13	6141726	8691156.97	1571008.65	27181.82	16621.71	957.04	44760.57	210833.53	204134.70	2555259
	<b>Total 2012-13</b>	<b>16791080</b>	<b>24384857.49</b>	<b>4290914.70</b>	<b>104165.08</b>	<b>25446.10</b>	<b>3023.58</b>	<b>132634.76</b>	<b>489533.51</b>	<b>482818.20</b>	<b>4467782</b>
28	Kharif 2013	9746431	14231633.61	2900469.47	82132.15	13389.92	2249.48	97771.55	326341.65	326001.94	2796501
29	Rabi 2013-14	3973611	6476265.32	1254945.25	20389.01	8647.16	711.57	29747.73	104749.66	104748.22	996191
	<b>Total 2013-14</b>	<b>13720042</b>	<b>20707898.94</b>	<b>4155414.73</b>	<b>102521.17</b>	<b>22037.08</b>	<b>2961.04</b>	<b>127519.28</b>	<b>431091.31</b>	<b>430750.16</b>	<b>3792692</b>
30	Kharif 2014	9683645	11547792.51	2438911.94	78463.72	4028.76	1978.04	84470.52	294762.58	292050.43	4368134
31	Rabi 2014-15	7009527	9180141.42	2137997.32	36702.88	16446.91	1906.14	55055.93	132002.15	78049.62	2013317
	<b>Total 2014-15(P)</b>	<b>16693172</b>	<b>20727933.92</b>	<b>4576909.26</b>	<b>115166.60</b>	<b>20475.67</b>	<b>3884.18</b>	<b>139526.45</b>	<b>426764.73</b>	<b>370100.05</b>	<b>6381451</b>
32	Kharif 2015	20693184	22020703.98	5258860.30	153523.87	20157.08	9384.73	183065.67	1492149.06	1366453.74	13555110
33	Rabi 2015-16(P)	10161135	11780316.73	2780965.84	49203.09	20039.84	2431.32	71674.25	187862.06	18353.86	3492042
	<b>Total 2015-16(P)</b>	<b>30854319</b>	<b>33801020.71</b>	<b>8039826.14</b>	<b>202726.96</b>	<b>40196.91</b>	<b>11816.05</b>	<b>254739.93</b>	<b>1680011.13</b>	<b>1384807.60</b>	<b>17047152</b>
	Kharif Seasons Total	192794082	279012072.16	31407096.43	925297.34	71406.68	35336.50	1032040.51	4315177.05	4186412.63	60392541
	Rabi Seasons Total	78361739	112559434.48	15309823.94	275211.82	92765.89	12406.49	380384.20	1228852.70	998601.29	23286467
	<b>Grand Total</b>	<b>271155821</b>	<b>391571506.64</b>	<b>46716920.37</b>	<b>1200509.15</b>	<b>164172.58</b>	<b>47742.99</b>	<b>1412424.72</b>	<b>5544029.75</b>	<b>5185013.92</b>	<b>83679008</b>

Source: Department of Agriculture, Cooperation & Farmers Welfare  
 Note: Rabi 2015-16 statistics is provisional and claims from few states are yet to be reported

**Table 14.12(a):** State-wise Weather Based Crop Insurance Scheme (WBCIS)-Cumulative upto Rabi 2015-16

Sl. No.	State / UT	Farmers Insured (no.)	Area Insured (ha.)	Sum Insured	Farmers' Premium	GOI Premium (share)	State Govt Premium (share)	Gross Premium	Claims Payable	Claims Paid	Farmers Benefitted (no.)
		(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
1	Andhra Pradesh	3616815	5902088.64	1512801.41	61900.54	44573.43	44573.43	151047.39	106721.15	106618.80	2374595
2	Assam	67634	38963.86	23621.41	1195.53	597.32	597.32	2390.17	1894.13	290.17	46988
3	Bihar	12885954	13114092.98	3043374.59	86904.17	89458.40	89458.40	265820.96	199984.36	149484.79	10712377
4	Chhattisgarh	1287074	2246719.39	443314.00	18905.01	11149.55	12093.90	42148.47	31947.25	31947.25	843828
5	Gujarat	497661	413126.40	22394.75	251.80	839.80	1147.88	2239.48	857.35	857.35	170576
6	Haryana	359565	602022.74	190262.00	3695.45	5600.39	7472.66	16768.49	6565.88	6528.72	250674
7	Himachal Pradesh	390329	6226561.80	141568.18	7785.44	3753.33	3753.33	15292.46	12127.20	9144.29	275904
8	Jharkhand	585356	561878.72	120853.09	4163.24	3248.90	3248.90	10661.02	7750.77	7625.44	526610
9	Jammu & Kashmir	1364	809.23	461.26	23.06	11.53	11.53	46.13	54.18	23.93	1364
10	Karnataka	985183	1219977.56	234493.18	11518.49	7533.72	7533.72	26585.93	18726.93	18642.98	793104
11	Kerala	162894	119924.51	36981.50	1255.63	1013.54	1347.45	3616.63	3324.96	2702.84	128796
12	Madhya Pradesh	1381299	1919796.56	509160.53	18028.63	16041.97	16041.97	50112.56	31786.99	31781.10	1153122
13	Maharashtra	2908194	2932546.26	783273.94	37825.70	26241.18	31185.04	95251.93	111347.33	110027.75	2546865
14	Odisha	315755	456542.27	65780.84	1414.07	2121.10	2121.10	5656.26	3210.36	3210.36	215814
15	Punjab	67	338.20	47.58	1.20	1.80	1.80	4.79	0.67	0.67	50
16	Rajasthan	44835969	57994738.38	4797821.95	168352.03	154340.74	154340.74	477033.50	419552.15	409795.67	29405090
17	Tamil Nadu	133157	179235.54	84705.82	1152.19	1051.40	1051.40	3254.56	2501.27	2333.74	73237
18	Telangana	165390	173364.03	52811.97	2616.19	1308.09	1308.09	5232.37	12422.15	11369.59	143077
19	Uttar Pradesh	1543617	1318113.64	265304.16	12053.71	16714.42	16714.42	45482.57	54405.55	54247.32	1394020
20	Uttarakhand	177887	323710.21	63102.43	3245.01	1478.17	1478.17	6201.36	9198.60	9186.32	116083
21	West Bengal	123335	118035.70	21088.09	642.91	684.29	684.29	2011.51	1714.67	1364.68	75297
<b>TOTAL</b>		<b>72424499</b>	<b>95862586.61</b>	<b>12413222.67</b>	<b>442930.00</b>	<b>387763.07</b>	<b>396165.54</b>	<b>1226858.53</b>	<b>1036093.93</b>	<b>967183.77</b>	<b>51247471</b>

Source: Department of Agriculture, Cooperation &amp; Farmers Welfare

Note: Rabi 2015-16 statistics is provisional and claims from few states are yet to be reported



Table 14.12(b): Season-wise Weather Based Crop Insurance Scheme (WBCIS)-Cumulative upto Rabi 2015-16

Sl. No.	Season	Farmers Insured	Area Insured (Ha)	Sum Insured	Farmers' Premium	GOI Premium (share)	State Govt Premium (share)	Gross Premium	Claims Payable	Claims Paid	Farmers benefited (No.)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
1	Kharif 2007	43790	50074.12	5301.00	141.75	280.66	280.66	703.08	524.12	524.12	35275
2	Rabi 2007-08	634635	1018253.59	173890.24	4377.24	4877.42	4877.42	14132.08	10039.94	10039.94	190610
	<b>Total 2007-08</b>	<b>678425</b>	<b>1068327.71</b>	<b>179191.24</b>	<b>4518.99</b>	<b>5158.08</b>	<b>5158.08</b>	<b>14835.15</b>	<b>10564.05</b>	<b>10564.05</b>	<b>225885</b>
3	Kharif 2008	183481	221202.06	35110.24	961.11	1315.04	1340.36	3616.29	1605.24	1605.24	108975
4	Rabi 2008-09	191647	260907.89	53632.68	1122.52	1715.16	1715.16	4552.84	3342.32	3342.32	120804
	<b>Total 2008-09</b>	<b>375128</b>	<b>482109.95</b>	<b>88742.93</b>	<b>2083.63</b>	<b>3030.20</b>	<b>3055.52</b>	<b>8169.13</b>	<b>4947.56</b>	<b>4947.56</b>	<b>229779</b>
5	Kharif 2009	1161340	1530782.47	264531.08	6285.34	7315.23	7837.44	21437.76	15789.29	15789.29	902866
6	Rabi 2009-10	1201525	1891091.45	285798.85	5651.63	8950.52	8950.52	23552.67	18719.47	18652.63	600336
	<b>Total 2009-10</b>	<b>2362865</b>	<b>3421873.92</b>	<b>550329.94</b>	<b>11936.97</b>	<b>16265.75</b>	<b>16787.96</b>	<b>44990.43</b>	<b>34508.76</b>	<b>34441.92</b>	<b>1503202</b>
7	Kharif 2010	4916784	7393241.52	567689.57	16823.54	19698.36	23028.55	59550.45	19193.90	19185.75	1790436
8	Rabi 2010-11	4383504	5745537.01	863379.31	17619.68	25883.20	25883.20	69386.07	44264.34	44238.19	2526629
	<b>Total 2010-11</b>	<b>9300288</b>	<b>13138778.53</b>	<b>1431068.88</b>	<b>34443.22</b>	<b>45581.56</b>	<b>48911.74</b>	<b>128936.53</b>	<b>63458.23</b>	<b>63423.94</b>	<b>4317065</b>
9	Kharif 2011	6906021	9786317.49	1035161.57	33167.45	34902.78	34902.78	102973.00	42587.75	42507.77	3597821
10	Rabi 2011-12	4765376	5847307.18	985781.55	20835.31	29671.58	30951.41	81458.32	75113.67	66635.56	2732017
	<b>Total 2011-12</b>	<b>11671397</b>	<b>15633624.67</b>	<b>2020943.12</b>	<b>54002.76</b>	<b>64574.35</b>	<b>65854.19</b>	<b>184431.32</b>	<b>117701.41</b>	<b>109143.33</b>	<b>6329838</b>
11	Kharif 2012	8008149	11124699.96	1287053.19	40798.47	44337.81	44337.81	129474.13	87680.53	86927.72	6752196

(Contd.)

Table 14.12b (Contd.)

Sl. No.	Season	Farmers Insured	Area Insured (Ha)	Sum Insured	Farmers' Premium	GOI Premium (share)	State Govt Premium (share)	Gross Premium	Claims Payable	Claims Paid	Farmers benefited (No.)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
12	Rabi 2012-13	5591502	5987496.31	1065546.46	25411.47	33445.98	33445.98	92303.42	104382.42	70626.77	4052901
	<b>Total 2012-13</b>	<b>13599651</b>	<b>17112196.28</b>	<b>2352599.66</b>	<b>66209.94</b>	<b>77783.79</b>	<b>77783.79</b>	<b>221777.55</b>	<b>192062.95</b>	<b>157554.49</b>	<b>10805097</b>
13	Kharif 2013	8854152	11172439.58	1462396.68	45913.69	50559.46	50559.46	147032.60	119863.67	119827.60	6870870
14	Rabi 2013-14	5302444	5340632.90	1090191.89	51251.62	19091.03	22002.05	92344.68	81831.75	75220.43	3850693
	<b>Total 2013-14</b>	<b>14156596</b>	<b>16513072.48</b>	<b>2552588.57</b>	<b>97165.30</b>	<b>69650.50</b>	<b>72561.51</b>	<b>239377.28</b>	<b>201695.42</b>	<b>195048.02</b>	<b>10721563</b>
15	Kharif 2014	8172254	9637396.76	1325693.85	69577.32	43459.56	43555.28	156592.16	123792.67	121403.59	6725554
16	Rabi 2014-15	3079590	3138083.79	438617.09	24305.12	15636.69	15702.39	55644.19	80499.26	80092.76	2898919
	<b>Total 2014-15</b>	<b>11251844</b>	<b>12775480.54</b>	<b>1764310.93</b>	<b>93882.44</b>	<b>59096.25</b>	<b>59257.66</b>	<b>212236.36</b>	<b>204291.93</b>	<b>201496.36</b>	<b>9624473</b>
17	Kharif 2015	5399549	6294554.64	852198.07	44870.03	26852.36	26934.38	98657.14	131478.90	129913.75	4828923
18	Rabi 2015-16(P)	3629990	3139524.24	621501.16	33829.30	19776.52	19867.00	73472.82	75357.82	62773.22	2675234
	<b>Total 2015-16(P)</b>	<b>9029539</b>	<b>9434078.88</b>	<b>1473699.23</b>	<b>78699.33</b>	<b>46628.88</b>	<b>46801.38</b>	<b>172129.96</b>	<b>206836.72</b>	<b>192686.97</b>	<b>7504157</b>
	<b>Grand Total</b>	<b>72425733</b>	<b>89579542.96</b>	<b>12413474.50</b>	<b>442942.58</b>	<b>387769.36</b>	<b>396171.83</b>	<b>1226883.70</b>	<b>1036067.04</b>	<b>969306.64</b>	<b>51261059</b>

Source: Department of Agriculture, Cooperation &amp; Farmers Welfare

Note: Rabi 2015-16 statistics is provisional and claims from few states are yet to be reported

**Table 14.13 (a): State-wise Modified National Agricultural Insurance Scheme (MNAIS)- Cumulative upto Rabi 2015-16**

Sl. No.	States / Uts.	Farmers Insured (no.)	Area Insured (ha.)	Sum Insured	Farmer Premium	GOI Premium (share)	State Govt.'s Premium (share)	Premium Collected	Claims Payable	Claims Paid	Farmers Benefited (no.)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
1	Andhra Pradesh	1800231	1881035.28	813718.17	34200.22	21500.27	21500.27	77200.77	85812.33	84752.79	638698
2	Andaman & Nicobar	783	1230.47	460.32	0.00	3.04	13.24	16.28	5.86	5.86	184
3	Assam	19929	15685.01	6504.53	154.08	47.33	47.33	248.81	101.91	69.88	1837
4	Bihar	1382947	1570614.95	262831.54	15447.12	18889.34	18889.34	53225.80	21320.46	17559.28	269128
5	Chhatisgarh	18	31.76	4.76	0.13	0.04	0.04	0.22	0.00	0.00	0
6	Goa	296	290.64	77.75	1.56	0.19	0.19	1.94	14.49	0.00	82
7	Gujarat	17084	590.66	261.22	10.99	8.62	8.62	28.23	0.00	0.00	0
8	Haryana	262687	446689.58	184769.36	3816.44	1188.17	1188.17	6192.78	5042.13	5021.04	46374
9	Jharkhand	117511	118015.59	26670.59	1175.96	717.79	717.79	2611.51	406.78	404.18	8951
10	Karnataka	1566251	2297977.72	371696.96	16549.34	11428.14	11430.20	39405.50	24553.12	24452.02	457984
11	Kerala	47416	64041.48	23894.50	512.37	284.42	410.51	1207.30	566.42	472.60	4287
12	Madhya Pradesh	218380	359047.89	51088.50	1229.69	380.15	380.15	1990.97	873.30	873.30	12717
13	Maharashtra	51964	49621.11	7621.06	382.17	456.50	523.32	1361.99	0.00	0.00	0
14	Mizoram	512	488.00	99.33	3.44	1.52	1.52	6.48	9.44	9.44	512
15	Odisha	425024	280279.69	103216.84	2185.16	646.75	646.75	3478.66	24798.52	24798.27	204831
16	Rajasthan	12620454	13719000.70	1063428.05	47976.12	34328.86	34328.87	116633.85	155507.84	133452.52	4691652
17	Tamil Nadu	476483	522839.98	134936.23	5708.90	4166.24	4166.24	14041.38	26782.85	26677.68	243958
18	Telangana	923376	1257918.97	536587.23	12128.77	3015.26	3015.26	18159.28	6285.71	47.84	67933
19	Uttar Pradesh	5570562	6061477.66	2003968.28	54887.31	27434.66	27434.66	110545.67	199788.56	198981.94	2677774
20	Uttarakhand	217704	183679.26	66147.04	1139.51	155.86	155.86	1450.22	1732.98	1731.43	42251
21	West Bengal	1943351	961459.29	501798.15	15353.13	12886.85	18334.52	46574.49	28935.36	26664.38	428482
<b>Total</b>		<b>27662963</b>	<b>29792015.70</b>	<b>6159780.41</b>	<b>212862.38</b>	<b>137540.00</b>	<b>143192.84</b>	<b>494382.13</b>	<b>582538.05</b>	<b>545974.44</b>	<b>9797635</b>

Source: Department of Agriculture, Cooperation & Farmers Welfare

Note: Rabi 2015-16 statistics is provisional and claims from few states are yet to be reported

**Table 14.13 (b):** Season-wise Modified National Agricultural Insurance Scheme (MNAIS)- Cumulative upto Rabi 2015-16

Sl. No.	Season	Farmers Insured	Area Insured (Ha)	Sum Insured	Farmers' Premium	GOI Premium (share)	State Govt Premium (share)	Gross Premium	Claims Payable	Claims Paid	Farmers benefited (No.)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
1	Rabi 2010-11	358421	323734.24	69364.04	2375.51	1176.37	1180.20	4732.08	1614.88	1614.88	46879
	Total 2010-11	358421	323734.24	69364.04	2375.51	1176.37	1180.20	4732.08	1614.88	1614.88	46879
2	Kharif 2011	474809	665653.80	134588.47	5011.29	3551.95	3613.66	12176.89	9609.97	9609.97	100201
3	Rabi 2011-12	754999	707381.12	201011.99	6782.60	4504.57	5233.69	16520.86	8443.56	8341.01	122899
	Total 2011-12	1229808	1373034.92	335600.46	11793.90	8056.51	8847.34	28697.74	18053.53	17950.98	223100
4	Kharif 2012	2062481	2239315.46	489694.39	22033.56	17199.27	17199.27	56432.09	62324.96	62289.04	604749
5	Rabi 2012-13	949009	741753.02	207715.10	7500.60	5217.65	6212.06	18930.40	5346.75	5322.47	112953
	Total 2012-13	3011490	2981068.47	697409.49	29534.15	22416.91	23411.33	75362.49	67671.72	67611.51	717702
6	Kharif 2013	2361297	2274436.97	582583.38	25506.47	19244.31	19244.31	63995.10	85669.41	81866.05	964025
7	Rabi 2013-14	2997404	3253404.76	640653.59	20824.41	10773.04	11847.34	43444.88	54012.60	53738.43	810832
	Total 2013-14	5358701	5527841.73	1223236.97	46330.88	30017.36	31091.65	107439.98	139682.01	135604.48	1774857
8	Kharif 2014	5896600	7000241.98	948177.26	34214.04	27963.61	30624.02	92801.68	62997.72	60690.24	1644824
9	Rabi 2014-15(P)	3205571	3552800.24	910528.22	27393.40	11349.40	11387.06	50129.85	88737.95	81497.54	1412344
	Total 2014-15(P)	9102171	10553042.22	1858705.48	61607.44	39313.01	42011.08	142931.53	151735.66	142187.78	3057168
10	Kharif 2015	4813664	5532155.96	827194.69	33644.19	23781.60	23811.67	81237.46	111044.27	110920.24	2400525
11	Rabi 2015-16(P)	3799463	3513944.31	1154634.18	30030.99	13267.42	13328.74	56624.98	65953.10	43227.98	1287689
	Total 2015-16(P)	8613127	9046100.27	1981828.87	63675.18	37049.02	37140.41	137862.44	176997.37	154148.22	3688214
	<b>Grand Total</b>	<b>27673718</b>	<b>29804821.84</b>	<b>6166145.31</b>	<b>215317.06</b>	<b>138029.18</b>	<b>143682.01</b>	<b>497026.26</b>	<b>555755.18</b>	<b>519117.85</b>	<b>9507920</b>

Source: Department of Agriculture, Cooperation &amp; Farmers Welfare

Note: Rabi 2015-16 statistics is provisional and claims from few states are yet to be reported

**Table 14.14:** Coconut Palm Insurance Scheme (CPI S)- Cumulative from 2009-10 to 2015-16

State	No. of farmers	No. of Palms	Sum Insured	Premium		Claims Paid		Farmers benefited
				Farmer	State	CDB	Total	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(10)
Andhra Pradesh	767	83618	1034.21	3.02	2.99	6.01	12.03	0
Goa	240	59643	692.50	0.91	0.91	1.83	3.66	14
Karnataka	704	96422	1067.64	1.83	1.52	3.05	6.09	73
Kerala	52063	2081126	22469.28	29.60	29.60	59.20	118.40	5877
Maharashtra	14659	1066749	12844.84	22.56	22.56	45.12	90.23	396
Odisha	687	21558	353.61	0.68	0.68	1.35	2.70	3
Tamil Nadu	3781	741974	6527.50	11.22	11.22	22.44	44.89	384
West Bengal	692	28558	328.42	0.82	0.00	0.82	1.64	0
<b>Total</b>	<b>73593</b>	<b>4179648</b>	<b>45318.00</b>	<b>70.65</b>	<b>69.49</b>	<b>139.82</b>	<b>279.63</b>	<b>6747</b>

Source: Department of Agriculture, Cooperation & Farmers Welfare

(₹ in Lakh)

**Table 14.15(a):** State-wise coverage under Pradhan Mantri Fasal Bima Yojana (PMFBY) and Weather Based Crop Insurance Scheme (WBCIS) : Kharif 2016  
(Area in Lakh Hect.)  
(As on 05-01-2017)

Sl. No.	State/UTs	No. of Farmers Insured (Lakhs)	Loanee (Lakhs)	Non Loanee (Lakhs)	Area Insured (Lakh Hectare)	Sum Insured (Rs. in Crore)	Farmers Premium (Rs. In crore)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	A&N Islands						
2	Assam (WBCIS)	0.51	0.51		0.36	94.46	1.88
3	Andhra Pradesh (not final)	15.66	14.99	0.67	17.72	14401.11	211.15
4	Arunachal Pradesh						
5	Bihar	14.63	14.4	0.23	12.92	6473.17	129.5
6	Chandigarh						
7	Chhattisgarh	13.26	11.69	1.57	17.9	6764	154.6
8	Daman & Diu						
9	Dadra & Nagar Haveli						
10	Delhi						
11	Goa	0.007	0.007		0.54	5.76	0.07
12	Gujarat	11.91	11.89	0.02	25.11	11248	218.9
13	Haryana	6.96	6.9	0.06	11.49	6732	121
14	Himachal Pradesh	1.06	1.03	0.03	0.38	272.27	3.9
15	Jammu & Kashmir						
16	Jharkhand	8.49	1.61	6.88	3.4	1827.83	37.06
17	Karnataka	17.23	14.04	3.19	12.88	7369	193.74
18	Kerala	0.22	0.22			105	3
19	Lakshadweep						

(Contd.)

Table: 14.15a (Contd.)

Sl. No.	State/UTs	No. of Farmers Insured (Lakhs)	Loanee (Lakhs)	Non Loanee (Lakhs)	Area Insured (Lakh Hectare)	Sum Insured (Rs. in Crore)	Farmers Premium (Rs. In crore)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
20	Madhya Pradesh	36.63	32.7	3.93	74.85	20129	449.98
21	Maharashtra	106.39	35.51	70.88	68.65	21041.67	563.15
22	Manipur						
23	Meghalaya	0.001	0.001		0.000	0.3	0.01
24	Mizoram						
25	Nagaland						
26	Odisha	17.64	17.33	0.31	12.57	6891.17	137.74
27	Puducherry						
28	Punjab						
29	Rajasthan	53.05	53.05	0.005	74.62	12207	225.18
30	Sikkim						
31	Tamil Nadu	0.13	0.13		0.31	242.39	2.69
32	Telangana	6.55	6	0.555	5.59	3621	85.12
33	Tripura	0.02	0.01	0.01	0.008	3.57	0.05
34	Uttar Pradesh	30.1	30.03	0.01	32.95	13849.47	264.08
35	Uttarakhand	1.28	1.17	0.11	0.79	524.04	5.79
36	West Bengal	32.41	17.32	15.09	15.05	7773.02	130.79
<b>Total</b>		<b>374.13</b>	<b>270.53</b>	<b>103.55</b>	<b>388.08</b>	<b>141575.2</b>	<b>2939.38</b>

Source: Department of Agriculture, Cooperation & Farmers Welfare

**Table 14.15(b):** State-wise Coverage under Pradhan Mantri Fasal Bima Yojana (PMFBY) and Weather Based Crop Insurance Scheme (WBCIS): Rabi 2016

(Area in Lakh Hect.)  
(As on 05-01-2017)

S. No.	State/UTs	No. of Farmers Insured (Lakhs)	Loanee (Lakhs)	Non-Loanee (Lakhs)	Area Insured (Lakh Hectare)	Sum Insured (Rs. in Crore)	Farmers Premium (Rs. In crore)	Subsidy Release Status
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	A&N Islands	0.002						
2	Assam (PMFBY)							
3	Andhra Pradesh	0.73	0.14	0.59				
4	Arunachal Pradesh							
5	Bihar							
6	Chandigarh							
7	Chhattisgarh							
8	Daman & Diu							
9	Dadra & Nagar Haveli							
10	Delhi							
11	Goa							
12	Gujarat	0.18			0.32			
13	Haryana							
14	Himachal Pradesh							
15	Jammu & Kashmir							
16	Jharkhand							
17	Karnataka	4.2	0.34	3.86	5.93		27.5	
18	Kerala							
19	Lakshadweep							
20	Madhya Pradesh							
21	Maharashtra							
22	Manipur							
23	Meghalaya							
24	Mizoram							
25	Nagaland							
26	Odisha							
27	Puducherry							
28	Punjab							
29	Rajasthan							
30	Sikkim							
31	Tamil Nadu	12.22	2.52	9.7	10.88	7578	88.8	
32	Telangana	0.28	0.28	0.003	0.28		2.75	
33	Tripura							
34	Uttar Pradesh							
35	Uttarakhand	0.21	0.18	0.026	0.13	87.22	1.31	
36	West Bengal							
	<b>Total</b>	<b>17.82</b>	<b>3.46</b>	<b>14.17</b>	<b>17.57</b>	<b>7665.22</b>	<b>120.36</b>	

Source: Department of Agriculture, Cooperation & Farmers Welfare



**Table 14.16(a):** State-wise crop area insured under all Insurance Schemes

States/UT's	2013-14				2014-15				2015-16			
	Gross Area Sown (2)	Area insured (3)	% of Area Insured (4)		Gross Area Sown* (5)	Area insured (6)	% of Area Insured (7)		Gross Area Sown* (8)	Area insured (9)	% of Area Insured (10)	
(1)												
Andhra Pradesh	81.28	34.36	42.27		81.28	6.39	7.86		81.28	23.10	28.42	
Andaman & Nicobar	0.24	0.02	7.16		0.24	0.01	5.13		0.24	0.01	5.75	
Arunachal Pradesh	2.96		0.00		2.96		0.00		2.96		0.00	
Assam	41.00	0.39	0.94		41.00	0.30	0.74		41.00	0.29	0.70	
Bihar	75.80	39.81	52.52		75.80	37.33	49.25		75.80	28.06	37.02	
Chandigarh	0.02		0.00		0.02		0.00		0.02		0.00	
Chhattisgarh	56.98	13.79	24.20		56.98	18.95	33.25		56.98	23.43	41.11	
Dadar & Nagar Haveli	0.23		0.00		0.23		0.00		0.23		0.00	
Daman & Diu	0.03		0.00		0.03		0.00		0.03		0.00	
Delhi	0.35		0.00		0.35		0.00		0.35		0.00	
Goa	1.58	0.00	0.30		1.58	0.00	0.11		1.58	0.00	0.07	
Gujarat	124.87	21.98	17.60		124.87	13.89	11.12		124.87	10.31	8.26	
Haryana	64.71	4.84	7.49		64.71	0.00	0.00		64.71	0.00	0.00	
Himachal Pradesh	9.43	0.30	3.16		9.43	0.54	5.68		9.43	0.54	5.74	
Jammu & Kashmir	11.55	0.06	0.50		11.55	0.01	0.07		11.55	0.00	0.00	
Jharkhand	16.72	4.42	26.44		16.72	2.50	14.94		16.72	4.17	24.93	
Karnataka	122.67	9.15	7.46		122.67	14.40	11.74		122.67	17.18	14.00	
Kerala	26.17	0.48	1.84		26.17	0.48	1.85		26.17	0.65	2.47	
Lakshadweep	0.03		0.00		0.03		0.00		0.03		0.00	

(Contd.)

Table: 14.16(a) (Contd.)

States/UT's	2013-14			2014-15			2015-16		
	Gross Area Sown (2)	Area insured (3)	% of Area Insured (4)	Gross Area Sown* (5)	Area insured (6)	% of Area Insured (7)	Gross Area Sown* (8)	Area insured (9)	% of Area Insured (10)
Madhya Pradesh	240.47	103.27	42.94	240.47	108.03	44.92	240.47	120.49	50.11
Maharashtra	233.28	16.05	6.88	233.28	48.63	20.85	233.28	83.00	35.58
Manipur	3.77	0.10	2.60	3.77	0.06	1.72	3.77	0.17	4.46
Meghalaya	3.43	0.03	0.85	3.43	0.01	0.41	3.43	0.01	0.29
Mizoram	1.14	0.00	0.00	1.14	0.00	0.00	1.14	0.00	0.00
Nagaland	4.99		0.00	4.99		0.00	4.99		0.00
Odisha	51.68	14.19	27.46	51.68	16.85	32.61	51.68	20.47	39.61
Puducherry	0.25	0.02	9.54	0.25	0.02	6.94	0.25	0.02	7.77
Punjab	78.48	0.00	0.00	78.48	0.00	0.00	78.48	0.00	0.00
Rajasthan	261.20	126.13	48.29	261.20	119.78	45.86	261.20	114.55	43.85
Sikkim	1.47	0.00	0.00	1.47	0.00	0.01	1.47	0.00	0.07
Tamil Nadu	58.97	9.40	15.93	58.97	8.69	14.73	58.97	12.45	21.11
Telangana	62.88	0.00	-	62.88	13.63	21.68	62.88	16.07	25.55
Tripura	3.83	0.00	0.00	3.83	0.00	0.11	3.83	0.01	0.27
Uttar Pradesh	258.96	22.00	8.50	258.96	20.43	7.89	258.96	37.98	14.67
Uttarakhand	10.99	0.48	4.37	10.99	0.51	4.67	10.99	2.80	25.50
West Bengal	96.18	6.23	6.48	96.18	9.97	10.36	96.18	8.73	9.08
<b>All India Total</b>	<b>2008.59</b>	<b>427.49</b>	<b>21.28</b>	<b>2008.59</b>	<b>441.41</b>	<b>21.98</b>	<b>2008.59</b>	<b>524.49</b>	<b>26.11</b>

Source: Department of Agriculture, Cooperation &amp; Farmers Welfare

\*Data for Gross Area Sown is available till 2013-14 only

**Table 14.16(b):** Crop-wise area insured under all Insurance Schemes

Sl. No.	Crops	2013-14			2014-15			2015-16		
		Gross Area Sown	Area Insured	% of Area Insured	Gross Area Sown*	Area Insured	% of Area Insured	Gross Area Sown*	Area Insured	% of Area Insured
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1	Paddy	444.75	93.93	21.12	444.75	96.50	21.70	444.75	114.93	25.84
2	Wheat	313.85	79.38	25.29	313.85	78.83	25.12	313.85	87.82	27.98
3	Coarse Grains	254.97	43.70	17.14	254.97	50.35	19.75	254.97	59.61	23.38
4	Sugarcane	55.26	3.05	5.52	55.26	1.46	2.64	55.26	2.29	4.14
5	Cotton	119.07	12.71	10.68	119.07	15.32	12.87	119.07	14.49	12.17
6	Jute & Mesta	8.28	0.04	0.47	8.28	0.69	8.36	8.28	0.04	0.43
7	Oilseeds	301.11	107.94	35.85	301.11	101.41	33.68	301.11	132.51	44.01
8	Pulses	237.79	68.36	28.75	237.79	65.35	27.48	237.79	71.19	29.94
9	Vegetables	56.08	9.23	16.46	56.08	21.05	37.54	56.08	20.54	36.62
10	Fruits**	41.6	1.07	2.57	41.6	2.27	5.46	41.6	3.97	9.54
11	Others	175.83	8.08	4.60	175.83	8.17	4.64	175.83	17.11	9.73
<b>Area under all Crops</b>		<b>2008.59</b>	<b>427.49</b>	<b>21.28</b>	<b>2008.59</b>	<b>441.41</b>	<b>21.98</b>	<b>2008.59</b>	<b>524.49</b>	<b>26.11</b>

Source: Department of Agriculture, Cooperation & Farmers Welfare.

\* Data for Gross area sown is available till 2013-14 only

\*\* Area insured under Fruits doesn't include data pertaining to HDFC ERGO.

**Table 14.17(a):** Year-wise sale of Tractors and Power Tillers

(Thousand Number)

Year	Tractor	Power Tiller
(1)	(2)	(3)
2004-05	248	17
2005-06	296	22
2006-07	353	25
2007-08	347	26
2008-09	343	35
2009-10	394	39
2010-11	545	55
2011-12	535	60
2012-13	591	47
2013-14	697	56
2014-15	551	46
2015-16	571	49
<b>Total</b>	<b>5470</b>	<b>478</b>

*Source:* Indian Council of Agricultural Research (ICAR)

**Table 14.17(b):** State wise sale of Tractors during 2014-15

State / UTs	(Number)
(1)	(2)
Andhra Pradesh	37028
Assam	3557
Bihar	36090
Jharkhand	8169
Gujarat	46411
Haryana	30626
Himachal Pradesh	1519
Jammu & Kashmir	2601
Karnataka	33758
Kerala	268
Maharashtra	49839
Madhya Pradesh	63744
Chhattisgarh	20011
Odisha	10878
Punjab	26074
Rajasthan	64565
Tamil Nadu	8072
Uttar Pradesh	92219
Uttarakhand	2205
West Bengal	12751
Others	1078
<b>Total</b>	<b>551463</b>

*Source:* Indian Council of Agricultural Research (ICAR)

*Note:* State-wise information on sale of Tractors during 2015-16 is not yet available.

15

Agricultural Census (2010-11)  
and Input Survey (2011-12)

**Table 15.1** Number and Area of Operational Holdings by Size Group

Category of Holdings	Number of Holdings						Area		Average Size of Holdings				No. of Holdings: ('000 Number) Area Operated: ('000 Hectares) Average size: (Hectares)
	2000-01*		2005-06*		2010-11		2000-01*		2005-06*		2010-11		
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)			
(1)													
Marginal (Less than 1 hectare)	75408 (62.9)	83694 (64.8)	92826 (67.1)	29814 (18.7)	32026 (20.2)	35908 (22.5)		0.40	0.38			0.39	
Small (1.0 to 2.0 hectares)	22695 (18.9)	23930 (18.5)	24779 (17.9)	32139 (20.2)	33101 (20.9)	35244 (22.1)		1.42	1.38			1.42	
Semi-Medium (2.0 to 4.0 hectares)	14021 (11.7)	14127 (10.9)	13896 (10.0)	38193 (24.0)	37898 (23.9)	37705 (23.6)		2.72	2.68			2.71	
Medium (4.0 to 10.0 hectares)	6577 (5.5)	6375 (4.9)	5875 (4.2)	38217 (24.0)	36583 (23.1)	33828 (21.2)		5.81	5.74			5.76	
Large (10.0 hectares and above)	1230 (1.0)	1096 (0.8)	973 (0.7)	21072 (13.2)	18715 (11.8)	16907 (10.6)		17.12	17.08			17.38	
All Holdings	119931 (100.0)	129222 (100.0)	138348 (100.0)	159436 (100.0)	158323 (100.0)	159592 (100.0)		1.33	1.23			1.15	

Source: Department of Agriculture, Cooperation & Farmers Welfare (Agriculture Census 2010-11)

\*-Excluding Jharkhand

Note: Figures in parentheses indicate percentage share out of total holdings.

Table 15.2(a) Number of Operational Holdings by Size Group

State/UT	Marginal	Small	Semi-Medium	Medium	Large	All Holdings
(1)	(2)	(3)	(4)	(5)	(6)	(7)
A & N Islands	4626	2415	3137	1592	33	11803
Andhra Pradesh	8424698	2918374	1399123	397252	35653	13175100
Arunachal Pradesh	21456	19333	34038	27941	6530	109298
Assam	1831115	496574	303528	84869	4137	2720223
Bihar	14744098	948016	414664	81484	3129	16191391
Chandigarh	453	133	78	47	3	714
Chhattisgarh	2182834	831118	502989	201841	27698	3746480
Dadar & Nagar Haveli	8177	3903	1807	733	104	14724
Daman & Diu	7716	458	137	36	8	8355
Delhi	11308	4517	2979	1543	150	20497
Goa	59900	9817	5707	2010	586	78020
Gujarat	1815634	1429021	1079533	512651	48771	4885610
Haryana	778142	314818	283828	194694	45829	1617311
Himachal Pradesh	670425	174596	84868	27606	3270	960765
Jammu & Kashmir	1206612	167130	63681	11449	525	1449397
Jharkhand	1848324	428861	282818	128683	20242	2708928
Karnataka	3848834	2138208	1266829	510745	67573	7832189
Kerala	6579692	180171	57028	12044	1854	6830789
Lakshadweep	9854	267	130	26	8	10285

(Contd.)



Table: 15.2a (Contd.)

State/UT	Marginal	Small	Semi-Medium	Medium	Large	All Holdings
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Madhya Pradesh	3891016	2448652	1654834	789143	88732	8872377
Maharashtra	6709034	4052317	2159109	710591	67914	13698965
Manipur	76735	48850	22235	2760	40	150620
Meghalaya	102714	57755	40542	8312	238	209561
Mizoram	50210	29753	9922	1731	264	91880
Nagaland	6476	20338	48457	77968	25172	178411
Odisha	3368296	918647	311261	63688	5574	4667466
Puducherry	28481	2779	1449	448	71	33228
Punjab	164431	195439	324515	298451	69718	1052554
Rajasthan	2511512	1511068	1335144	1127122	403590	6888436
Sikkim	40476	16941	10809	5922	780	74928
Tamil Nadu	6266555	1181344	502308	150646	17371	8118224
Tripura	499054	55043	21544	2752	86	578479
Uttar Pradesh	18532272	3035331	1334266	398278	25309	23325456
Uttarakhand	672138	157330	64781	17302	1099	912650
West Bengal	5852681	979833	267474	22657	702	7123347
<b>Total</b>	<b>92825979</b>	<b>24779150</b>	<b>13895552</b>	<b>5875017</b>	<b>972763</b>	<b>138348461</b>

Source: Department of Agriculture, Cooperation & Farmers Welfare (Agriculture Census 2010-11)

Table 15.2 (b): Area of Operational Holdings by Size Group

State/UT	Marginal	Small	Semi-Medium	Medium	Large	All Holdings
(1)	(2)	(3)	(4)	(5)	(6)	(7)
A & N Islands	2022	3464	8243	6911	1217	21856
Andhra Pradesh	3727131	4119946	3684946	2208770	552474	14293266
Arunachal Pradesh	11863	25914	93944	154858	97292	383872
Assam	774796	687156	817982	437372	281763	2999070
Bihar	3668728	1185695	1072969	414941	45228	6387561
Chandigarh	208	190	223	268	33	923
Chhattisgarh	952786	1179403	1347658	1152856	451344	5084047
Dadar & Nagar Haveli	4137	5344	5000	4208	1608	20297
Daman & Diu	1787	622	351	226	160	3145
Delhi	4800	5967	8014	8577	2270	29628
Goa	28103	17591	16770	12377	14152	88994
Gujarat	884823	2074884	2988660	2930432	1019668	9898466
Haryana	360474	462703	814473	1185436	822519	3645606
Himachal Pradesh	273270	243942	230469	156459	50510	954651
Jammu & Kashmir	416427	234531	170530	62145	11727	895361
Jharkhand	763906	590764	775052	724846	310715	3165283
Karnataka	1850946	3020002	3393036	2903687	993786	12161457
Kerala	885644	282305	159075	64063	119729	1510816
Lakshadweep	1712	364	324	159	192	2751
Madhya Pradesh	1915352	3466141	4510221	4544530	1399633	15835877
Maharashtra	3185931	5739050	5765450	3992777	1083852	19767061
Manipur	40200	62755	55250	13415	440	172060

(Contd.)

Table: 15.2b (Contd.)

State/UT	Marginal	Small	Semi-Medium	Medium	Large	All Holdings
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Meghalaya	46196	76833	113174	47132	3923	287258
Mizoram	30168	37723	24041	8872	3985	104789
Nagaland	3327	23066	124863	480758	442214	1074228
Odisha	1921842	1497752	918947	381272	132201	4852014
Puducherry	9834	4068	4138	2561	1200	21801
Punjab	101006	269082	855112	1712859	1028575	3966634
Rajasthan	1237578	2161876	3774350	6918368	7044064	21136235
Sikkim	14811	20397	26932	32238	12304	106683
Tamil Nadu	2291702	1643697	1355509	847811	349652	6488370
Tripura	139700	75809	54265	13942	1229	284945
Uttar Pradesh	7170852	4243297	3628857	2198774	379806	17621586
Uttarakhand	295556	225124	175382	94221	25401	815684
West Bengal	2890646	1556602	730577	109787	221970	5509582
<b>Total</b>	<b>35908264</b>	<b>35244061</b>	<b>37704789</b>	<b>33827908</b>	<b>16906832</b>	<b>159591855</b>

Source: Department of Agriculture, Cooperation & Farmers Welfare (Agriculture Census 2010-11)

Note: Total may not tally due to rounding off

**Table 15.3:** Average Size of Holdings by Size Group

Table 15.1: Average Size of Holdings by Size Group						(Hectares)
State/UT	Marginal	Small	Semi-	Medium	Large	All
	Medium					Holdings
(1)	(2)	(3)	(4)	(5)	(6)	(7)
A & N Islands	0.44	1.43	2.63	4.34	36.88	1.85
Andhra Pradesh	0.44	1.41	2.63	5.56	15.50	1.08
Arunachal Pradesh	0.55	1.34	2.76	5.54	14.90	3.51
Assam	0.42	1.38	2.69	5.15	68.11	1.10
Bihar	0.25	1.25	2.59	5.09	14.45	0.39
Chandigarh	0.46	1.43	2.86	5.70	11.08	1.29
Chhattisgarh	0.44	1.42	2.68	5.71	16.30	1.36
Dadar & Nagar Haveli	0.51	1.37	2.77	5.74	15.46	1.38
Daman & Diu	0.23	1.36	2.56	6.27	19.97	0.38
Delhi	0.42	1.32	2.69	5.56	15.13	1.45
Goa	0.47	1.79	2.94	6.16	24.15	1.14
Gujarat	0.49	1.45	2.77	5.72	20.91	2.03
Haryana	0.46	1.47	2.87	6.09	17.95	2.25
Himachal Pradesh	0.41	1.40	2.72	5.67	15.45	0.99
Jammu & Kashmir	0.35	1.40	2.68	5.43	22.34	0.62
Jharkhand	0.41	1.38	2.74	5.63	15.35	1.17
Karnataka	0.48	1.41	2.68	5.69	14.71	1.55
Kerala	0.13	1.57	2.79	5.32	64.58	0.22
Lakshadweep	0.17	1.36	2.50	6.11	24.00	0.27
Madhya Pradesh	0.49	1.42	2.73	5.76	15.77	1.78
Maharashtra	0.47	1.42	2.67	5.62	15.96	1.44
Manipur	0.52	1.28	2.48	4.86	11.00	1.14
Meghalaya	0.45	1.33	2.79	5.67	16.48	1.37
Mizoram	0.60	1.27	2.42	5.13	15.09	1.14
Nagaland	0.51	1.13	2.58	6.17	17.57	6.02
Odisha	0.57	1.63	2.95	5.99	23.72	1.04
Puducherry	0.35	1.46	2.86	5.72	16.90	0.66
Punjab	0.61	1.38	2.64	5.74	14.75	3.77
Rajasthan	0.49	1.43	2.83	6.14	17.45	3.07
Sikkim	0.37	1.20	2.49	5.44	15.77	1.42
Tamil Nadu	0.37	1.39	2.70	5.63	20.13	0.80
Tripura	0.28	1.38	2.52	5.07	14.29	0.49
Uttar Pradesh	0.39	1.40	2.72	5.52	15.01	0.76
Uttarakhand	0.44	1.43	2.71	5.45	23.11	0.89
West Bengal	0.49	1.59	2.73	4.85	316.20	0.77
Total	0.39	1.42	2.71	5.76	17.38	1.15

Source: Department of Agriculture, Cooperation & Farmers Welfare (Agriculture Census 2010-11)

**Table 15.4:** Estimated Number of Operational Holdings by Size Classes and Irrigation Status

Size-Class	Wholly Irrigated		Partially Irrigated		Wholly Unirrigated		Total Holding	
	Number	Area	Number	Area	Number	Area	Number	Area
	(2)	(3)	(4)	(5)	(7)	(8)	(9)	(10)
(1)								
Marginal	39294	14824	9623	3599	37065	13796	92826	35908
Small	8644	11678	3486	4768	11686	15529	24779	35244
Semi-medium	4525	11621	2536	6397	6366	15760	13896	37705
Medium	1806	9692	1342	6922	2545	12828	5875	33828
Large	245	3742	218	3092	484	7030	973	16907
All Classes	54515	51557	17206	24778	58144	64943	138348	159592

Source: Department of Agriculture, Cooperation & Farmers Welfare (Agriculture Census 2010-11)

**Table 15.5:** Area Irrigated by different Source of Irrigation by Size Classes  
(‘ 000 Hectares)

Size Class	Canals	Tanks	Wells	Tubewells	Others	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Marginal	4783	912	2262	7818	1060	16835
Small	3562	558	2891	6232	1021	14263
Semi-medium	3686	433	3219	6629	1028	14995
Medium	3441	259	2728	6001	836	13266
Large	1436	86	817	2485	384	5209
<b>Total</b>	<b>16908</b>	<b>2248</b>	<b>11917</b>	<b>29165</b>	<b>4329</b>	<b>64567</b>

*Source:* Department of Agriculture, Cooperation & Farmers Welfare (Agriculture Census 2010-11)

**Table 15.6:** Irrigated and Un-irrigated Area by Size Classes under different Crops  
( '000 Hectares)

Crops	Irrigated						Un-irrigated					
	Marginal	Small	Semi-Medium	Medium	Large	Total	Marginal	Small	Semi-medium	Medium	Large	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Paddy	10163	6642	6331	4707	1723	29567	7243	5005	4272	2669	910	20099
Wheat	6325	5177	6263	6305	2577	26648	1292	969	930	775	286	4252
Other Cereals	1151	1139	1222	1006	378	4896	4366	5524	6102	5639	3418	25049
Total Cereals	17640	12958	13816	12018	4678	61111	12902	11497	11304	9083	4614	49400
Total Pulses	346	504	678	841	318	2687	3186	4443	4935	4718	2292	19573
Sugarcane	1176	1186	1162	761	180	4465	272	156	140	78	13	660
Total Oilseeds	1349	1499	1836	1998	936	7618	2399	4074	4875	4391	1505	17245
Total Fibres	487	630	776	1005	553	3450	1389	2498	2464	1759	433	8543
All Crops	22986	18544	20108	18409	7720	87768	22048	24493	25757	22473	11221	105992

Source: Department of Agriculture, Cooperation & Farmers Welfare (Agriculture Census 2010-11)

Note:- All Crops include few more crops other than those listed above, viz., Fruits, Vegetables, Spices Tea, Coffee, Rubber, etc. Paddy includes Paddy of all the seasons. Totals may not tally due to rounding off

**Table 15.7:** Usage of Chemical Fertilizers, Farm Yard Manure and Pesticides by major size Groups

Size Groups (Hectares)		Gross Cropped Area	Area Treated with Fertilizers	Quantity Applied							(Area: '000 Hectares) (Fertilizers/ Manure/ Pesticides : Tonnes)		
				DAP	Urea	Super Phosphate	Ammonium Sulphate	Others			N	P	K
(1)		(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)			
Marginal	I	24008	21408	2683006	6326385	522153	15961	336623	244578	660438			
(Below 1.00)	UI	23134	15221	1184688	3261015	452362	9571	110310	156039	338727			
	T	47142	36629	3867695	9587400	974516	25532	446933	400616	999166			
Small	I	18975	16962	1618416	3476035	445898	22424	111390	175818	441544			
(1.0-1.99)	UI	23655	16448	980375	2146474	434023	16629	88306	124241	229706			
	T	42630	33409	2598792	5622509	879921	39053	199695	300059	671250			
Semi-Medium	I	19925	17909	1646747	3374431	388941	14366	128402	125382	340351			
(2.0-3.99)	UI	24780	16836	926267	1763285	388208	12176	68498	94599	182735			
	T	44706	34745	2573014	5137716	777149	26542	196901	219981	523086			
Medium	I	18090	16328	1461622	3019896	297682	9540	79834	64256	211637			
(4.0-9.99)	UI	21169	12748	652967	1129268	251599	4297	34467	50093	109458			
	T	39258	29076	2114589	4149164	549281	13837	114301	114349	321096			
Large	I	6999	6372	562297	1354307	89155	2085	5405	9185	53998			
(10.0 and above)	UI	9019	3747	168114	278150	49341	1370	6429	9685	31369			
	T	16018	10119	730411	1632456	138495	3455	11835	18870	85366			
All Groups	I	87997	78979	7972088	17551054	1743830	64375	661653	619219	1707969			
	UI	101757	65000	3912412	8578192	1575533	44043	308010	434657	891995			
	T	189754	143978	11884500	26129246	3319362	108418	969663	1053876	2599964			

(Contd.)



Table: 15.7 (Contd.)

Size Groups (Hectares)	(Area: '000 Hectares (Fertilizers/ Manure/ Pesticides : Tonnes)									
	Quantity Applied			Area Treated with			Quantity of Farm			
	Total			Farm Yard Manure	Pesticides	Yard Manure	Applied			
	N	P	K	(13)	(14)	(15)	(16)			
(1)	(11)	(12)	(13)	(14)	(15)	(16)				
Marginal (Below 1.00)	I	3732989	1562305	660438	4694	10431	22676761			
	UI	1825592	773373	338727	6523	8315	24268589			
	T	5558581	2335678	999166	11217	18747	46945350			
Small (1.0-1.99)	I	2006300	991633	441544	3912	8904	15956992			
	UI	1255577	644657	229706	5850	10060	17507245			
	T	3261877	1636291	671250	9762	18964	33464237			
Semi-Medium (2.0-3.99)	I	1980015	945116	340351	3632	9714	14725954			
	UI	1048846	582795	182735	5467	10486	14080191			
	T	3028860	1527911	523086	9100	20201	28806145			
Medium (4.0-9.99)	I	1734043	784231	211637	2855	9676	11059304			
	UI	672350	390714	109458	3936	8232	8559809			
	T	2406393	1174945	321096	6791	17908	19619114			
Large (10.0 and above)	I	730029	282106	53998	956	4125	3224683			
	UI	164921	94912	31369	1292	2924	2511413			
	T	894950	377018	85366	2248	7049	5736097			
All Groups	I	10183375	4565392	1707969	16049	42851	67643694			
	UI	4967285	2486452	891995	23069	40017	66927248			
	T	15150661	7051844	2599964	39118	82869	134570943			

Source: Department of Agriculture, Cooperation & Farmers Welfare (Input Survey 2011-12).

Notes: I - Irrigated, UI - Unirrigated, T - Total of I & UI.

N: Nitrogen, P: Phosphorus, and K: Potassium

Total may not tally due to rounding off.

**Table 15.8:** Estimated Institutional Credit taken for Agricultural Purposes by Size Groups

Size Group (Ha)	Total No. of Operational Holdings	Estimated No. of Operational Holdings that took Institutional Credit	No. of Operational Holdings that took Institutional Credit from				('000 Units)
			PACS	PLDB/ SLDB	CBB	RRBB	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	
Marginal (Below 1.00)	92688	26508	10807	767	12112	3673	
Small (1.0-1.99)	24746	11021	5489	478	3673	1935	
Semi-Medium (2.0-3.99)	13869	6583	3471	309	1980	1280	
Medium (4.0-9.99)	5854	3011	1676	162	818	664	
Large (10 and Above)	953	500	285	36	119	143	
<b>All Groups</b>	<b>138110</b>	<b>47623</b>	<b>21728</b>	<b>1751</b>	<b>18702</b>	<b>7694</b>	

(Contd.)

Table: 15.8 (Contd.)

Size Group (Ha)	Amount of Institutional Credit Taken												(Amount in ₹ lakh)
	PACS			PLDB/ SLDB			CBB			RRBB			
	Short Term	Medium Term	Long Term	Short Term	Medium Term	Long Term	Short Term	Medium Term	Long Term	Short Term	Medium Term	Long Term	
(1)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	
Marginal (Below 1.00)	2240815	0	0	0	537877	115928	2600024	1275684	486897	968105	652670	194143	
Small (1.0-1.99)	1861245	0	0	0	380180	108296	1087596	709945	264044	748048	312538	194811	
Semi-Medium (2.0-3.99)	1740607	0	0	0	339520	81890	755631	493399	273588	789631	295927	205712	
Medium (4.0-9.99)	1323821	0	0	0	256499	83510	414809	245712	191369	637178	297157	202315	
Large (10 & Above)	315298	0	0	0	71263	28801	93189	50559	46553	168053	122271	64567	
All Groups	7481785	0	0	0	1585339	418425	4951248	2775299	1262451	3311015	1680562	861547	

Source: Department of Agriculture, Cooperation & Farmers Welfare (Input Survey 2011-12).

PACS: Primary Agricultural Credit Society; PLDB: Primary Land Development Bank of State Land Development Bank, CBB: Commercial Bank Branch, RRBB: Regional Rural Bank Branch

**Table 15.9:** Total of Institutional Credit taken for Agricultural Purposes by Size Groups

Size Group (Ha)	Amount of Institutional Credit Taken				Short Term Loans			(Amount ₹ in lakh)
	Short Term Loans	Medium Term Loans	Long Term Loans	Total	Value of the Quantity of Fertilizer Given	Value of the Quantity of Other Inputs	Given in Cash	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Marginal (Below 1.00)	5808944	2466230	796967	9072140	1804603	475583	3528758	5808944
Small (1.0-1.99)	3696888	1402663	567151	5666702	759919	284145	2652824	3696888
Semi-Medium (2.0-3.99)	3285868	1128846	561190	4975905	598793	229180	2457896	3285868
Medium (4.0-9.99)	2375809	799368	477194	3652371	418242	165659	1791908	2375809
Large (10 & Above)	576539	244093	139921	960554	84801	33719	458019	576539
<b>All Groups</b>	<b>15744048</b>	<b>6041200</b>	<b>2542423</b>	<b>24327671</b>	<b>3666358</b>	<b>1188286</b>	<b>10889405</b>	<b>15744048</b>

Source: Department of Agriculture, Cooperation & Farmers Welfare (Input Survey 2011-12)

Note: Total may not tally due to rounding off

# 16

## Situation of Agricultural Households in India

**Table 16.1:** Estimated Number of Rural Households, Agricultural Households and Indebted Agricultural Households during the agricultural year July 2012-June 2013

State	Estimated Number of Rural Households ( <sup>00</sup> )	Estimated Number of Agricultural Households( <sup>00</sup> )	% of Agricultural Households to Rural Households	Estimated Number of Agricultural Households having loan ( <sup>00</sup> )	% of Agricultural Households indebted	Average monthly income (Rs) per Agricultural Household
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Andhra Pradesh*	86763	35968	41.5	33421	92.9	5979
Arunachal Pradesh	1659	1080	65.1	206	19.1	10869
Assam	52494	34230	65.2	5995	17.5	6695
Bihar	140611	70943	50.5	30156	42.5	3558
Chhattisgarh	37472	25608	68.3	9538	37.2	5177
Gujarat	58719	39305	66.9	16743	42.6	7926
Haryana	25849	15693	60.7	6645	42.3	14434
Himachal Pradesh	13251	8811	66.5	2457	27.9	8777
Jammu & Kashmir	13746	11283	82.1	3463	30.7	12683
Jharkhand	37516	22336	59.5	6464	28.9	4721
Karnataka	77430	42421	54.8	32775	77.3	8832
Kerala	51377	14043	27.3	10908	77.7	11888
Madhya Pradesh	84666	59950	70.8	27414	45.7	6210
Maharashtra	125182	70970	56.7	40672	57.3	7386
Manipur	2584	1762	68.2	421	23.9	8842
Meghalaya	4721	3544	75.1	84	2.4	11792
Mizoram	936	758	81.0	47	6.2	9099
Nagaland	4128	2621	63.5	65	2.5	10048
Odisha	78120	44935	57.5	25830	57.5	4976
Punjab	27552	14083	51.1	7499	53.2	18059
Rajasthan	82722	64835	78.4	40055	61.8	7350

(Contd.)

Table: 16.1 (Contd.)

State	Estimated Number of Rural Households (‘00)	Estimated Number of Agricultural Households(‘00)	% of Agricultural Households to Rural Households	Estimated Number of Agricultural Households having loan (‘00)	% of Agricultural Households indebted	Average monthly income (Rs) per Agricultural Household
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Sikkim	1150	674	58.6	97	14.4	6798
Tamil Nadu	93607	32443	34.7	26780	82.5	6980
Telangana*	49309	25389	51.5	22628	89.1	6311
Tripura	6635	2445	36.9	559	22.9	5429
Uttar Pradesh	241328	180486	74.8	79081	43.8	4701
Uttaranchal	16498	10608	64.3	5387	50.8	4923
West Bengal	141359	63624	45.0	32787	51.5	3980
UTIs	2394	718	30.0	267	37.2	8568
<b>All India</b>	<b>1561442</b>	<b>902011</b>	<b>57.8</b>	<b>468481</b>	<b>51.9</b>	<b>6426</b>

Source: Situation Assessment Survey of Agricultural Households (Jan-Dec 2013), National Sample Survey Office (NSSO)

\* Separate estimates for the newly formed States of Telangana and Andhra Pradesh are provided in place of erstwhile State of Andhra Pradesh

Note: 1. Reference period for Indebtedness is "as on the date of survey"

2. Indebtedness relates to all kind of outstanding loans irrespective of the purpose for which taken

Table 16.2: Indebtedness of Agricultural Households (all-India) in Different Size Classes of Land Possessed

Land Possessed (hectare)	Estimated Number of Agricultural Households (lakh)	% to Total in each Class	Estimated No. of Indebted Agricultural Households (lakh)	% to Total in each Class	% of Indebted Agricultural Households to Total	Average Outstanding Loan Amount (₹)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
< 0.01	23.89	2.65	10.02	2.1	41.9	31100
0.01-0.40	287.66	31.89	135.97	29.0	47.3	23900
0.41-1.00	314.81	34.90	152.16	32.5	48.3	35400
1.01-2.00	154.58	17.14	86.11	18.4	55.7	54800
2.01-4.00	84.35	9.35	56.10	12.0	66.5	94900
4.01-10.00	33.02	3.66	25.21	5.4	76.3	182700
10 & above	3.71	0.41	2.92	0.6	78.7	290300
All India	902.01	100.00	468.48	100.0	51.9	47000

Source: Situation Assessment Survey of Agricultural Households (Jan-Dec 2013), National Sample Survey Office (NSSO)

Note: 1 Reference period for land possession and indebtedness is "as on the date of survey"

2 Indebtedness relates to all kind of outstanding loans irrespective of the purpose for which taken



**Table 16.3:** Incidence of Indebtedness in Major States

State	Estimated Number of Indebted Agricultural Households('00)	% to Total Indebted Agricultural Households	% Share in Total Foodgrains in 2015-16*	
			Area	Production
(1)	(2)	(3)	(4)	(5)
1. Uttar Pradesh	79081	16.9	15.75	17.45
2. Maharashtra	40672	8.7	8.25	3.20
3. Rajasthan	40055	8.5	10.59	7.18
4. Andhra Pradesh**	33421	7.1	3.37	4.19
5. West Bengal	32787	7.0	5.21	7.05
6. Karnataka	32775	7.0	5.84	3.95
7. Bihar	30156	6.4	5.38	5.59
8. Madhya Pradesh	27414	5.9	12.73	11.98
9. Odisha	25830	5.5	4.38	2.61
10. Telangana**	22628	4.8	1.78	1.99
11. Punjab	7499	1.6	5.42	11.26
12. Other States/UTs	96163	20.5	21.30	23.55
<b>All India</b>	<b>468481</b>	<b>100.0</b>	<b>100.00</b>	<b>100.00</b>

*Source:* Situation Assessment Survey of Agricultural Households (Jan-Dec 2013), National Sample Survey Office (NSSO) for Col-2 and 3 and Directorate of Economics & Statistics for Col-4 and 5

\* As per the Fourth Advance Estimates

\*\*Separate estimates for the newly formed States of Telangana and Andhra Pradesh are provided in place of erstwhile State of Andhra Pradesh

*Note:* Reference period for Indebtedness is "as on the date of survey"

**Table 16.4:** Incidence of Indebtedness based on size of land possessed

State	% of Marginal Indebted Agricultural Households (upto 1.0 ha of land)	% of Small Indebted Agricultural Households (1.01 to 2.00 ha)	% of Semi-Medium Indebted Agricultural Households (2.01 to 4.00 ha)	% of Medium Indebted Agricultural Households (4.01 to 10.00 ha)	% of Large Indebted Agricultural Households (>10.00 ha)
(1)	(2)	(3)	(4)	(5)	(6)
1. Uttar Pradesh	77.2	13.4	7.1	2.1	0.2
2. Maharashtra	35.6	29.3	22.8	11.6	0.7
3. Madhya Pradesh	42.3	27.4	21.4	7.5	1.3
4. Rajasthan	50.9	18.3	16.8	12.1	1.9
5. Karnataka	52.0	24.4	14.8	7.4	1.3
6. Andhra Pradesh*	52.2	23.9	16.1	6.9	0.9
7. Telangana*	51.0	23.6	19.6	5.0	0.9
8. Bihar	86.7	10.0	2.6	0.7	0.0
9. West Bengal	91.1	7.4	1.4	0.1	0.0
10. Punjab	46.2	15.9	17.9	17.6	2.4
11. Odisha	78.7	15.2	4.3	1.8	0.1
<b>All India</b>	<b>63.6</b>	<b>18.4</b>	<b>12.0</b>	<b>5.4</b>	<b>0.6</b>

Source: Situation Assessment Survey of Agricultural Households (Jan-Dec 2013), National Sample Survey Office (NSSO)

\*Separate estimates for the newly formed States of Telangana and Andhra Pradesh are provided in place of erstwhile State of Andhra Pradesh

Note: 1 Reference period for land possession and Indebtedness is "as on the date of survey"

2 Indebtedness relates to all kind of outstanding loans irrespective of the purpose for which taken

17

Ceiling on Land Holdings and Wages for  
Agricultural Workers

**Table 17.1:** Ceilings on Land Holdings

(In Acres)

State	Irrigated Land with two Crops	Irrigated Land with one Crops	Dry land
(1)	(2)	(3)	(4)
As recommended in 1972 National Guidelines	10 to 18	27	54
Proposed in Agenda Notes 1985 of Regional Minister's Conference	12	18	30
Andhra Pradesh	10 to 18	15 to 27	35 to 54
Assam	17	17	17
Bihar	15 to 18	25	30 to 45
Gujarat	10 to 18	15 to 27	20 to 54
Haryana	18	27	54
Himachal Pradesh	10	15	30 to 70
Jammu & Kashmir	9 to 12.5	9 to 12.5	15 to 23 (in Ladakh 19)
Karnataka	10 to 20	25 to 30	54
Kerala	12 to 15	12 to 15	12 to 15
Madhya Pradesh	18	27	54
Maharashtra	18	27	54
Manipur	12	12	15
Mizoram	nil	nil	nil
Odisha	10	15	30 to 45
Punjab	17	27	51
Rajasthan	18	27	54 to 175
Tamil Nadu	12	30	60
Sikkim	12.5	12.5	50
Tripura	10	10	30
Uttarakhand	18	27	45
Uttar Pradesh	18	27	45
West Bengal	12	12	17
Andaman & Nicobar Islands	nil	nil	nil

Source: Department of Land Resources

Note : 1. The actual limits for lands in Karnataka and Uttar Pradesh are higher due to classification of land.

2. The actual ceiling limits in Himachal Pradesh and Rajasthan are higher due to hilly terrain and desert lands.

3. 1 Acre = 0.404686 Hectare.

**Table 17.2:** Minimum Rates of Wages for different category of Farm Workers in different States/ U'Ts. under the Minimum Wages Act, 1948

(₹ per day)

S.No.	Appropriate Governments	Category	Minimum Wages for Agricultural Workers with V.D.A
(1)	(2)	(3)	(4)
Central Sphere		Unskilled	214.00-237.00
		Semi-Skilled	219.00-259.00
		Skilled/clerical	238.00-281.00
		Highly skilled	259.00-312.00
States/Union Territories			
1	Andhra Pradesh		208.45-345.20
2	Arunachal Pradesh	Unskilled	150-170
		Skilled	170-190
3	Assam	Unskilled	177.84
		Semi-skilled	205.20
		Skilled	284.55
4	Bihar		189.00
5	Chhattisgarh	Unskilled	163.46
6	Delhi	Unskilled	353.00
		Semi-skilled	390.00
		Skilled	429.00
7	Goa		225.00-307.00
8	Gujarat		150.00
9	Haryana	Un-skilled	292.31
		Semi-skilled A	306.92
		Semi-skilled B	322.27
		Skilled A	338.38
		Skilled B	355.30
		Highly skilled	373.07
10	Himachal Pradesh	Unskilled	180.00
11	Jharkhand	Tractor driver and pump operator	255.91
		Chowkidar	200.43
		All other agricultural operations	187.43
12	Jammu & Kashmir	Unskilled	110.00
		Semi-skilled	150.00
		Skilled	200.00
		Supervisor	175.00
13	Karnataka		288.66
14	Kerala		150.00-200.00
15	Madhya Pradesh	Unskilled	193.00
16	Maharashtra		191.01
17	Manipur	Unskilled	122.10
		Semi-skilled	129.97
		Skilled	132.60
18	Meghalaya	Unskilled	170.00
		Semi-skilled	181.00
		Skilled	191.00
		High- skilled	212.00
19	Mizoram	Unskilled	220.00
		Semi- skilled	250.00
		Skilled-II	310.00

(Contd.)

Table: 17.2 (Contd.)

S.No.	Appropriate Governments	Category	Minimum Wages for Agricultural Workers with V.D.A
(1)	(2)	(3)	(4)
		Skilled-I	380.00
20	Nagaland	Unskilled	115.00
		Semi-skilled	125.00
		Skilled	135.00
21	Odisha	Unskilled	200.00
		Semi-skilled	220.00
		Skilled	240.00
		Highly skilled	260.00
22	Punjab	Unskilled	273.95
23	Rajasthan	Unskilled	201.00
		Semi-skilled	211.00
		Skilled	221.00
		Highly Skilled	271.00
24	Tamil Nadu	For 6 hours	146.00
25	Tripura	Adult	250.00
		Young	174.00
26	Uttarakhand	Unskilled	200.00
27	Uttar Pradesh	Unskilled	161.00
28	West Bengal	Unskilled	209.00
		Semi-skilled	231.00
		Skilled	256.00
29	Andaman & Nicobar Islands	Unskilled	282.00-293.00
		Semi-skilled	294.00-302.00
		Skilled	307.00-324.00
		Highly Skilled	328.00-346.00
30	Chandigarh	Un-skilled	316.15
		Semi-skilled-II	322.00
		Semi-skilled-I	326.00
		Skilled-II	333.46
		Skilled-I	342.11
		Highly Skilled	358.00
31	Dadra & Nagar Haveli	Unskilled	268.20
		Semi-skilled	276.20
		Skilled	284.20
32	Lakshadweep	Unskilled	255.20
		Semi-skilled	280.20
		Skilled	305.20
		Highly Skilled	330.20
33	Puducherry	Puducherry & Karaikal	70.00 & 80.00
		Yanam	55
		Mahe	120
34	Daman & Diu	Skilled	284.2
		Semi skilled	276.2
		Unskilled	268.2
35	Sikkim	NA	NA
36	Telangana		208.5

Source: Ministry of Labour &amp; Employment

V/D4: Variable Dearness Allowance, NA: Not Available

18

Livestock

Table 18.1: Livestock Population in India

Species	1951	1956	1961	1966	1972	1977	1982	1987	1992	1997	2003	2007	2012
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Cattle	155.30	158.70	175.60	176.20	178.30	180.00	192.45	199.69	204.58	198.88	185.18	199.08	190.90
Buffalo	43.40	44.90	51.20	53.00	57.40	62.00	69.78	75.97	84.21	89.92	97.92	105.34	108.70
Total Bovines	198.70	203.60	226.80	229.20	235.70	242.00	262.36	275.82	289.00	289.00	283.10	304.76	299.98
Sheep	39.10	39.30	40.20	42.40	40.00	41.00	48.76	45.70	50.78	57.49	61.47	71.56	65.07
Goats	47.20	55.40	60.90	64.60	67.50	75.60	95.25	110.21	115.28	122.72	124.36	140.54	135.17
Horses & Ponies	1.50	1.50	1.30	1.10	0.90	0.90	0.90	0.80	0.82	0.83	0.75	0.61	0.63
Camels	0.60	0.80	0.90	1.00	1.10	1.10	1.08	1.00	1.03	0.91	0.63	0.52	0.40
Pigs	4.40	4.90	5.20	5.00	6.90	7.60	10.07	10.63	12.79	13.29	13.52	11.13	10.29
Mules	0.06	0.04	0.05	0.08	0.08	0.09	0.13	0.17	0.19	0.22	0.18	0.14	0.20
Donkeys	1.30	1.10	1.10	1.10	1.00	1.00	1.02	0.96	0.97	0.88	0.65	0.44	0.32
Yaks	NC	NC	0.02	0.03	0.04	0.13	0.13	0.04	0.06	0.06	0.06	0.08	0.08
Total Livestock	292.80	306.60	335.40	344.10	353.60	369.00	419.59	445.29	470.86	485.39	485.00	529.70	512.06
Poultry	73.50	94.80	114.20	115.40	138.50	159.20	207.74	275.32	307.07	347.61	489.1	648.88	729.21
Dogs	NC	NC	NC	NC	NC	NC	18.54	17.95	21.77	25.48	29.03	19.09	11.67
Rabbits	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	0.48	0.42	0.59

Source: Department of Animal Husbandry, Dairying & Fisheries.

NC: Not Collected

Note: Total may not tally due to rounding of figures



**Table 18.2:** All India Production of Milk, Eggs and Wool

Year	Milk (Million Tonnes)	Eggs (Billion Nos.)	Wool (Million Kgs.)
(1)	(2)	(3)	(4)
1985-86	44.0	16.1	39.1
1986-87	46.1	17.3	40.0
1987-88	46.7	17.8	40.1
1988-89	48.4	18.9	40.8
1989-90	51.4	20.2	41.7
1990-91	53.9	21.1	41.2
1991-92	55.7	21.9	41.6
1992-93	58.0	22.9	38.8
1993-94	60.6	24.2	39.9
1994-95	63.8	25.9	40.6
1995-96	66.2	27.2	42.4
1996-97	69.1	27.5	44.4
1997-98	72.1	28.7	45.6
1998-99	75.4	29.5	46.9
1999-00	78.3	30.4	47.9
2000-01	80.6	36.6	48.4
2001-02	84.4	38.7	49.5
2002-03	86.2	39.8	50.5
2003-04	88.1	40.4	48.5
2004-05	92.5	45.2	44.6
2005-06	97.1	46.2	44.9
2006-07	102.6	50.7	45.1
2007-08	107.9	53.6	43.9
2008-09	112.2	55.6	42.8
2009-10	116.4	60.3	43.1
2010-11	121.8	63.0	43.0
2012-12	127.9	66.5	44.7
2012-13	132.4	69.7	46.1
2013-14	137.7	74.8	47.9
2014-15	146.3	78.5	48.1
2015-16	155.5	82.9	43.6

Source : Department of Animal Husbandry, Dairying & Fisheries.

Table 18.3: State-wise Production of Milk, Eggs, Meat and Wool

States/UTs	Milk (000 Tonnes)						Eggs (Lakhs Nos.)				
	2011-12	2012-13	2013-14	2014-15	2015-16		2011-12	2012-13	2013-14	2014-15	2015-16
(1)	(2)	(3)	(4)	(5)	(6)		(7)	(8)	(9)	(10)	(11)
Andhra Pradesh*	12088	12762	13007	9656	10817		212103	222974	227875	130958	141743
Arunachal Pradesh	22	23	43	46	50		419	439	400	417	427
Assam	796	800	815	829	843		4705	4710	4717	4728	4740
Bihar	6643	6845	7197	7775	8288		7552	8372	9308	9845	10021
Chhattisgarh	1119	1164	1209	1232	1277		12984	13704	14330	14732	15028
Goa	60	61	68	67	54		149	458	60	75	352
Gujarat	9817	10315	11112	11691	12262		14269	14558	15551	16565	17216
Haryana	6661	7040	7442	7901	8381		41142	42343	43591	45790	49133
Himachal Pradesh	1120	1139	1151	1172	1283		1050	1069	1075	1084	812
Jammu & Kashmir	1614	1631	1615	1951	2273		6520	6715	6649	4958	2309
Jharkhand	1745	1679	1700	1734	1812		4313	4239	4445	4663	4833
Karnataka	5447	5718	5997	6121	6344		34699	36773	41301	43968	47660
Kerala	2716	2791	2655	2711	2650		17049	22375	24769	25036	24425
Madhya Pradesh	8149	8838	9599	10779	12148		7972	8711	9671	11776	14414
Maharashtra	8469	8734	9089	9542	10153		43861	45661	48315	50792	52858
Manipur	79	80	82	82	79		1149	1162	1164	1129	1037
Meghalaya	80	81	82	83	84		1021	1028	1049	1057	1064
Mizoram	14	14	15	20	22		349	352	362	377	391
Nagaland	78	79	81	76	77		704	618	223	353	465
Odisha	1721	1724	1861	1903	1930		23007	23230	23609	19245	19273
Punjab	9551	9724	10011	10351	10774		36030	37911	43376	42642	44218
Rajasthan	13512	13946	14573	16934	18500		9605	10335	11903	13202	13853

(Contd.)

Table: 18.3 (Contd.)

States/UTs	Milk ('000 Tonnes)					Eggs (Lakhs Nos.)				
	2011-12	2012-13	2013-14	2014-15	2015-16	2011-12	2012-13	2013-14	2014-15	2015-16
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Sikkim	45	42	46	50	67	146	146	99	58	102
Tamil Nadu	6968	7005	7049	7132	7244	118518	119334	141235	159253	161252
Telangana	-	-	-	4207	4442	-	-	-	106185	112058
Tripura	111	118	130	141	152	1650	1565	1794	1979	2161
Uttar Pradesh	22556	23330	24194	25198	26387	16075	17074	18122	20776	21929
Uttarakhand	1417	1478	1550	1565	1656	2712	3079	3370	3697	3907
West Bengal	4672	4859	4906	4961	5038	43433	47115	47460	48136	60108
A & N Islands	26	21	14	16	15	780	741	1193	861	989
Chandigarh	45	44	44	44	43	181	170	173	169	167
D & N Haveli	11	11	11	9	9	73	73	73	73	73
Daman & Diu	1	1	1	1	1	20	20	13	19	18
Delhi	502	287	284	280	281	1	-	0	0	0
Lakshadweep	2	2	6	4	3	140	140	129	126	144
Puducherry	45	47	47	48	48	116	113	113	113	114
<b>All India</b>	<b>127904</b>	<b>132431</b>	<b>137686</b>	<b>146314</b>	<b>155491</b>	<b>664499</b>	<b>697307</b>	<b>747519</b>	<b>784839</b>	<b>829294</b>

(Contd.)

Table: 18.3 (Contd.)

States/UTs	Meat ('000 Tonnes)					Wool ('000 Kgs)				
	2011-12 (12)	2012-13 (13)	2013-14 (14)	2014-15 (15)	2015-16 (16)	2011-12 (17)	2012-13 (18)	2013-14 (19)	2014-15 (20)	2015-16 (21)
(1)										
Andhra Pradesh*	824	906	935	528	566	4924	5031	5037	778	789
Arunachal Pradesh	19	18	18	19	19	17	18	22	24	36
Assam	34	37	38	43	45	-	-	-	-	-
Bihar	228	228	292	294	302	266	267	271	278	240
Chhattisgarh	30	34	29	38	41	104	107	106	116	90
Goa	10	8	5	8	8	-	-	-	-	-
Gujarat	35	35	33	34	34	2819	2664	2578	2577	2283
Haryana	337	348	367	381	403	1333	1370	1390	1429	702
Himachal Pradesh	4	4	4	4	4	1648	1649	1655	1663	1409
Jammu & Kashmir	32	34	33	45	75	7530	7681	8710	8371	6866
Jharkhand	46	45	45	48	51	202	159	156	161	166
Karnataka	140	166	170	181	197	7779	8020	7755	8821	8191
Kerala	426	401	416	446	466	-	-	-	-	-
Madhya Pradesh	39	43	48	59	70	413	442	466	484	442
Maharashtra	585	591	605	631	675	1469	1503	1539	1386	1390
Manipur	24	25	25	27	26	-	-	-	-	-
Meghalaya	38	39	40	41	41	-	-	-	-	-
Mizoram	13	12	12	13	14	-	-	-	-	-
Nagaland	78	71	67	67	36	-	-	-	-	-
Odisha	138	141	154	163	165	-	-	-	-	-
Punjab	181	212	235	237	250	532	558	558	461	473
Rajasthan	122	152	175	181	180	13192	14007	15027	14463	13415

(Contd.)

Table: 18.3 (Contd.)

States/UTs	Meat ('000 Tonnes)						Wool ('000 Kgs)					
	2011-12 (12)	2012-13 (13)	2013-14 (14)	2014-15 (15)	2015-16 (16)		2011-12 (17)	2012-13 (18)	2013-14 (19)	2014-15 (20)	2015-16 (21)	
(1)												
Sikkim	3	3	3	3	6		1	1	1	0	0	
Tamil Nadu	460	462	465	492	544		1	1	2	1	1	
Telangana	-	-	-	505	542		-	-	-	4423	4562	
Tripura	25	32	32	34	37		-	-	-	-	-	
Uttar Pradesh	956	1137	1221	1397	1418		1420	1456	1473	1494	1265	
Uttarakhand	16	22	24	26	271		371	400	440	469	513	
West Bengal	611	648	649	657	686		713	722	725	740	748	
A & N Islands	0	0	2	5	5		-	-	-	-	-	
Chandigarh	1	1	1	1	1		-	-	-	-	-	
D & N Haveli	0	0	0	0	0		-	-	-	-	-	
Daman & Diu	0	0	0	1	1		-	-	-	-	-	
Delhi	45	81	77	70	70		-	-	-	-	-	
Lakshadweep	0	0	0	0	1		-	-	-	-	-	
Puducherry	14	14	14	14	15		-	-	-	-	-	
<b>All India</b>	<b>5514</b>	<b>5948</b>	<b>6235</b>	<b>6691</b>	<b>7020</b>		<b>44734</b>	<b>46055</b>	<b>47909</b>	<b>48140</b>	<b>43581</b>	

Source: Department of Animal Husbandry, Dairying & Fisheries.

\* Till 2013-14 the figures of Andhra Pradesh include Telangana

“-” Not Available/ Not Received

19

Fish Production

**Table 19.1:** Fish Production in India

('000 Tonnes)

Year	Marine	Inland	Total
(1)	(2)	(3)	(4)
1950-51	534	218	752
1955-56	596	243	839
1960-61	880	280	1160
1965-66	824	507	1331
1970-71	1086	670	1756
1973-74	1210	748	1958
1978-79	1490	816	2306
1979-80	1492	848	2340
1980-81	1555	887	2442
1981-82	1445	999	2444
1982-83	1427	940	2367
1983-84	1519	987	2506
1984-85	1698	1103	2801
1985-86	1716	1160	2876
1986-87	1713	1229	2942
1987-88	1658	1301	2959
1988-89	1817	1335	3152
1989-90	2275	1402	3677
1990-91	2300	1536	3836
1991-92	2447	1710	4157
1992-93	2576	1789	4365
1993-94	2649	1995	4644
1994-95	2692	2097	4789
1995-96	2707	2242	4949
1996-97	2967	2381	5348
1997-98	2950	2438	5388
1998-99	2696	2602	5298
1999-00	2852	2823	5675
2000-01	2811	2845	5656
2001-02	2830	3126	5956
2002-03	2990	3210	6200
2003-04	2941	3458	6399
2004-05	2779	3526	6305
2005-06	2816	3756	6572
2006-07	3024	3845	6869
2007-08	2920	4207	7127
2008-09	2978	4638	7616
2009-10	3104	4894	7998
2010-11	3250	4981	8231
2011-12	3372	5294	8666
2012-13	3321	5720	9040
2013-14	3440	6132	9572
2014-15 (P)	3655	6509	10164
2015-16 (P)	3583	7213	10796

Source: Department of Animal Husbandry Dairying &amp; Fisheries

P: Provisional

Table 19.2: State-wise Production of Fish

Sl. No.	States/UTs	2013-14		2014-15 (P)		2015-16 (P)		(Tonnes)
		Marine	Inland	Total	Marine	Inland	Total	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(11)
1	Andhra Pradesh	438246	1580170	2018416	465330	1411446	1876775	2333427
2	Arunachal Pradesh	0	3625	3625	0	3849	3849	4410
3	Assam	0	266700	266700	0	283182	283182	291692
4	Bihar	0	432298	432298	0	459014.02	459014.016	494579
5	Chhattisgarh	0	284959	284959	0	302569	302569	317334
6	Goa	109574	4485	114059	116346	4762	121108	115095
7	Gujarat	695580	102913	798493	738567	109273	847840	826295
8	Haryana	0	105580	105580	0	112105	112105	111200
9	Himachal Pradesh	0	9834	9834	0	10442	10442	10894
10	J & K	0	20000	20000	0	21236	21236	20294
11	Jharkhand	0	104820	104820	0	111298	111298	117987
12	Karnataka	357358	197952	555310	378443	210185	588628	695647
13	Kerala	522308	186337	708645	554587	196853	751439	680615
14	Madhya Pradesh	0	96258	96258	0	102207	102207	115387
15	Maharashtra	467458	135221	602679	495347	143578	638925	620955
16	Manipur	0	28541	28541	0	30305	30305	31266
17	Meghalaya	0	5752	5752	0	6107	6107	6140
18	Mizoram	0	5940	5940	0	6307	6307	6536
19	Nagaland	0	7465	7465	0	7926	7926	7835
20	Odisha	120021	293764	413785	127438	311919	439357	469709
21	Punjab	0	104020	104020	0	110448	110448	125340

(Contd.)



Table: 19.2 (Contd.)

Sl. No.	States/UTs	2013-14			2014-15 (P)			2015-16 (P)		
		Marine	Inland	Total	Marine	Inland	Total	Marine	Inland	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
22	Rajasthan	0	35100	35100	0	37269	37269	0	44353	44353
23	Sikkim	0	420	420	0	446	446	0	443	443
24	Tamil Nadu	432266	192030	624296	458980	203897	662877	457455	240157	697612
25	Telangana	0	0	0	0	265379	265379	0	264234	264234
26	Tripura	0	61950	61950	0	65779	65779	0	63560	63560
27	Uttarakhand	0	3889	3889	0	4129	4129	0	3581	3581
28	Uttar Pradesh	0	464484	464484	0	493189	493189	0	537936	537936
29	West Bengal	188243	1392404	1580647	199876	1478455	1678331	176214	1455964	1632178
30	A&N Islands	36753	195	36948	39024	207	39231	38144	148	38292
31	Chandigarh	0	113	113	0	120	120	0	132	132
32	Dadra & Nagar Haveli	0	50	50	0	53	53	0	0	0
33	Daman & Diu	19860	0	19860	21087	0	21087	27264	487	27751
34	Delhi	0	880	880	0	934	934	0	780	780
35	Lakshadweep	14373	0	14373	19874	0	19874	11949	0	11949
36	Puducherry	37812	4269	42081	40149	4533	44682	64972	5075	70047
<b>Total</b>		<b>3439852</b>	<b>6132418</b>	<b>9572270</b>	<b>3655047</b>	<b>6509401</b>	<b>10164449</b>	<b>3582931</b>	<b>7212555</b>	<b>10795485</b>

Source: Department of Animal Husbandry, Dairying & Fisheries  
(P): Provisional

## Rainfall Scenario and Management of Natural Disasters

### 20.1: Rainfall Status

#### *Rainfall during 2016 (January – December, 2016)*

During 2016, the rainfall (1<sup>st</sup> January to 14<sup>th</sup> December, 2016) over the country as a whole was 92% of Long Period Average (LPA). Out of 36 meteorological subdivisions, 24 received excess / normal rainfall and 12 received deficient rainfall. Season wise rainfall distribution over the country as a whole was as follows:

Winter (January to February 2016):	43% of LPA
Pre-monsoon (March to May 2016):	(0%) Equal to LPA
Monsoon (June to September 2016):	97% of LPA
Post-Monsoon (October to 14 <sup>th</sup> December 2016):	57% of LPA

### **Season-wise Performance**

#### *Winter Season (January – February 2016)*

During the winter season rainfall activity over the country as a whole was 43% of the LPA rainfall. At met sub-division level, 03 subdivisions received excess rainfall, 03 subdivisions received normal rainfall, 11 received deficient, 16 received scanty rainfall and 03 received no rainfall out of 36 met subdivisions.

*Pre-Monsoon Season (March – May 2016)*

Rainfall activity during the Pre-monsoon season over the country as a whole was recorded normal at (0%) equal to LPA rainfall. Out of 36 meteorological sub-divisions, 08 received excess rainfall, 16 received normal rainfall, 09 received deficient rainfall and 03 met sub-divisions received scanty rainfall.

*Monsoon Season (June – September 2016)*

During the monsoon season for the country as a whole, rainfall was 97% of its Long Period Average (LPA). Seasonal rainfall was 95% of LPA over Northwest India, 106% of its LPA over Central India, 92% of its LPA over south Peninsula and 89 % of its LPA over East and Northeast (NE) India. At met sub-division level, out of 36 met sub-divisions, 04 met sub-divisions received excess rainfall, 23 sub-divisions received normal rainfall and 09 sub-divisions received deficient rainfall. Excess/normal rainfall sub-divisions covered 85% of the geographical area of the country. Out of 629 districts for which rainfall data were available, 111 districts (18%) received excess rainfall, 314 districts (50%) normal rainfall, 189 districts (30%) deficient rainfall and 15 districts (2%) received scanty rainfall.

*Post-Monsoon Season (October - December 2016)*

Rainfall activity during the Post-monsoon season (till 14<sup>th</sup> December, 2016) over the country as a whole was recorded deficit rainfall with 57% of LPA. Out of 36 meteorological sub-divisions, 01 subdivision received large excess rainfall, 09 received excess/normal rainfall, 12 received deficient rainfall and 14 met sub-divisions received large deficient/scanty rainfall.

**Table 20.2 :** Performance of South West Monsoon during 1989 to 2016 (1st June -30th September)

Year	Number of Meteorological Sub-Divisions @		Percentage of Districts with Normal/ Excess Rainfall	Actual Rainfall as % of Normal Rainfall (All India)
	Excess/ Normal Rainfall	Deficient/ Scanty Rainfall		
(1)	(2)	(3)	(4)	(5)
1990	32	3	88	119
1991	27	8	68	91
1992	32	3	65	93
1993	31	4	78	100
1994	25	10	77	110
1995	33	2	79	100
1996	32	3	82	103
1997	32	3	81	102
1998	33	2	83	106
1999	28	7	67	96
2000	28	7	66	92
2001	30	5	68	92
2002	15	21	39	81
2003	33	3	77	102
2004	23	13	56	87
2005	32	4	72	99
2006	26	10	59	100
2007	31	5	72	106
2008	33	3	76	98
2009	14	22	41	78
2010	31	5	69	102
2011	33	3	76	101
2012	23	13	58	92
2013	30	6	72	106
2014	24	12	55	88
2015	19	17	51	86
2016	27	9	68	97

Source: Directorate of Economics and Statistics, DAC&FW

@ Total number of Meteorological sub-divisions was 35 upto 2001. From 2002 onwards, the number of meteorological sub-divisions is 36.

Excess : + 20% or more of Long Period Average Rainfall

Normal : Between + 19% and -19% of Long Period Average Rainfall

Deficient : Between -20% and -59% of Long Period Average Rainfall

Scanty : Between -60% and -99% of Long Period Average Rainfall

Table 20.3 : All India Rainfall Distribution from 1992-93 to 2016-17

Year	Monsoon Season (June-September)				Post-Monsoon* (October-December)				Winter Season (January-February)				Pre-monsoon Season (March-May)				Over all rainfall (June-May)			
	Actual		% Departure		Actual		% Departure		Actual		% Departure		Actual		% Departure		Actual		% Departure	
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)
1992-93	830.7	899.2	-7.6	106.5	114.1	-6.7	37.9	41.0	-7.6	116.5	121.3	-4.0	1091.6	1175.6	-7.1					
1993-94	902.1	908.9	-0.7	131.6	119.6	10.0	44.5	40.8	9.1	106.1	123.3	-13.9	1184.3	1192.6	-0.7					
1994-95	999.2	906.8	10.2	121.5	119.6	1.6	53.1	41.1	29.2	123.5	123.2	0.2	1297.3	1190.7	9.0					
1995-96	904.5	904.7	-0.0	117.8	119.9	-1.8	37.4	40.8	-8.3	94.9	123.9	-23.4	1154.6	1189.3	-2.9					
1996-97	927.6	905.7	2.4	128.0	120.8	6.0	21.0	40.6	-48.3	118.9	123.2	-3.5	1195.5	1190.3	0.4					
1997-98	927.4	908.6	2.1	187.7	119.5	57.1	44.1	41.9	5.3	132.3	128.3	3.1	1291.5	1198.3	7.8					
1998-99	945.2	903.6	4.6	178.8	121.8	46.8	28.4	42.8	-33.6	123.1	130.6	-5.7	1275.5	1198.8	6.4					
1999-00	866.9	903.2	-4.0	144.7	121.8	18.8	43.1	42.5	1.4	128.8	129.5	-0.5	1183.5	1197.0	-1.1					
2000-01	833.7	902.3	-7.6	64.1	121.7	-47.3	16.2	42.2	-61.6	129.7	129.3	0.3	1043.7	1195.5	-12.7					
2001-02	826.0	901.1	-8.3	137.7	121.7	13.1	35.0	41.2	-15.0	121.5	132.0	-8.0	1120.2	1196.0	-6.3					
2002-03	737.1	911.7	-19.2	83.4	123.7	-32.6	53.2	38.3	38.9	107.7	131.7	-18.2	981.4	1205.4	-18.6					
2003-04	947.3	902.7	4.9	134.6	125.0	7.7	34.5	39.2	-12.0	161.6	129.6	24.7	1278.0	1196.5	6.8					
2004-05	779.6	893.3	-12.7	111.8	125.7	-11.1	69.8	43.8	59.0	124.7	134.5	-7.3	1085.9	1197.3	-9.3					
2005-06	879.3	892.5	-0.6	99.3	125.8	10.0	27.8	43.9	-37.0	139.9	134.6	3.9	1185.4	1196.8	-1.0					
2006-07	886.6	892.2	5.0	85.4	125.9	-32.2	42.6	43.2	-21.7	112.8	133.6	-15.6	1133.0	1195.5	-5.2					
2007-08	936.9	892.2	-2.1	87.2	125.9	-30.7	23.6	43.8	-46.1	91.0	134.5	-32.3	1180.2	1194.8	-1.2					
2008-09	873.2	892.2	-2.2	135.5	125.9	7.6	24.6	43.8	-43.8	122.9	133.7	-8.1	1075.0	1196.4	-10.1					
2009-10	689.8	892.2	-22.7	153.2	126.3	21.3	31.9	40.9	-22.0	114.4	131.3	-12.9	972.8	1195.6	-18.6					
2010-11	912.8	893.2	2.2	65.7	127.2	-48.3	38.8	40.9	-5.1	90.3	131.3	-31.2	1212.3	1191.7	1.7					
2011-12	899.9	887.5	-1.4	100.6	127.2	-20.9	51.4	40.9	25.7	101.9	131.3	-22.4	1094.7	1186.9	-7.8					
2012-13	819.5	886.9	-7.6	149.5	127.2	17.5	46.2	40.9	13.0	130.0	131.3	-1.0	1073.4	1186.3	-9.5					
2013-14	936.7	886.9	5.6	85.2	127.2	-33.0	37.6	41.4	-9.2	181.5	131.5	38.0	1262.4	1186.3	6.4					
2014-15	777.5	886.9	-12.3	97.8	127.2	-23.1	17.9	41.4	-56.8	131.0	131.5	-0.4	1081.8	1187.0	-8.9					
2015-16	760.6	887.5	-14.3	68.3	118.9	-42.6	-	-	-	-	-	-	1007.3	1187.6	-15.2					
2016-17	862.0	887.5	-2.9	-	-	-	-	-	-	-	-	-	-	-	-					

Source: Directorate of Economics and Statistics, DAC&FW

\* - As on 14.12.2016

**Table 20.4 :** Broad region wise Monsoon (June-September) Rainfall distribution from 2005 to 2016  
(In Millimeters)

Year	North-West India			Central India			South Peninsula			East & North-East India		
	Actual	Normal	% Departure	Actual	Normal	% Departure	Actual	Normal	% Departure	Actual	Normal	% Departure
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
2005	552.1	611.6	-10	1094.9	993.2	10	808.9	722.6	12	1140.9	1430.7	-20
2006	573.7	611.6	-6	1152.2	993.9	16	684.6	722.6	-5	1177.6	1427.3	-17
2007	520.8	611.6	-15	1073.8	993.9	8	907.3	722.6	26	1485.9	1427.3	4
2008	651.7	611.6	7	956.9	993.9	-4	692.5	722.6	-4	1346.0	1427.3	-6
2009	392.1	611.6	-36	794.8	993.9	-20	693.0	722.6	-4	1037.7	1427.3	-27
2010	688.2	613.0	12	1027.9	991.5	4	853.6	722.9	18	1175.8	1436.2	-18
2011	654.8	615.0	7	1073.6	975.5	10	715.2	715.5	-0	1233.6	1438.3	-14
2012	569.3	615.0	-7	934.6	974.2	-4	644.0	715.7	-10	1275.3	1437.8	-11
2013	671.8	615.0	9	1195.3	974.2	23	825.6	715.7	15	1037.9	1437.8	-28
2014	483.1	615.0	-21	879.7	974.2	-10	665.4	715.7	-7	1267.7	1437.8	-12
2015	510.6	615.0	-17	815.5	975.5	-16	605.7	716.1	-15	1317.5	1438.3	-8
2016	584.2	615.0	-5	1034.1	975.5	6	661.5	716.1	-8	1281.5	1438.3	-11

Source: Directorate of Economics and Statistics, DAC&FW

Table 20.5: Rainfall in 2016

Sl. Meteorological No. Sub-Divisions	Total Rainfall in Winter- 2016 (Jan-Feb)			Total Rainfall in Pre-Monsoon 2016 (Mar-May)			Total Rainfall in Monsoon 2016 (Jun-Sep)			Total Rainfall in Post- Monsoon 2016 (Oct-Dec)*			Total Rainfall in Year 2016 (Jan to Dec)		
	Normal (Cms)	Actual (Cms)	Deviation (%)	Normal (Cms)	Actual (Cms)	Deviation (%)	Normal (Cms)	Actual (Cms)	Deviation (%)	Normal (Cms)	Actual (Cms)	Deviation (%)	Normal (Cms)	Actual (Cms)	Deviation (%)
(1) (2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
1 A & N Islands	8.3	8.8	6	46.5	19.9	-57	168.3	156.3	-7	63.7	89.4	40	286.8	274.3	-4
2 Arunachal Pradesh	14.8	10.4	-30	75.0	69.3	-8	176.8	169.9	-4	24.8	18.5	-25	291.4	268.1	-8
3 Assam & Meghalaya	4.7	3.5	-26	59.0	73.4	24	179.3	124.9	-30	18.9	14.8	-21	261.9	216.6	-17
4 Naga, Mani, Mizo & Tripura	4.4	4.6	3	49.4	57.5	16	149.7	124.4	-17	23.7	20.3	-15	227.2	206.7	-9
5 Sub-Himalayan. WB & Sikkim	6.0	2.8	-54	45.7	43.4	-5	200.6	199.6	-0	17.9	15.6	-13	270.2	261.4	-3
6 Gangetic West Bengal	3.4	4.7	38	16.5	13.3	-19	116.8	116.3	-0	15.6	8.9	-43	152.3	143.2	-6
7 Odisha	3.2	1.9	-41	13.5	9.8	-27	115.0	103.1	-10	14.2	10.4	-27	145.9	125.2	-14
8 Jharkhand	3.3	1.8	-45	7.9	8.4	6	109.2	109.7	0	8.8	4.6	-48	129.2	124.5	-4
9 Bihar	2.3	1.0	-57	7.8	8.5	10	102.8	99.4	-3	7.3	6.1	-17	120.1	115.0	-4
10 East U.P.	2.9	0.7	-77	3.2	4.8	50	89.8	79.0	-12	5.6	2.6	-53	101.4	87.0	-14
11 West U.P.	3.3	0.4	-88	2.9	3.9	34	76.9	64.0	-17	4.9	1.0	-80	88.1	69.3	-21
12 Uttarakhnd	10.6	3.5	-67	15.6	15.4	-1	122.9	110.4	-10	7.6	1.3	-83	156.7	130.6	-17
13 Haryana, Chd., and Delhi	3.3	0.1	-96	3.4	4.8	41	46.6	33.8	-27	2.5	0.5	-79	55.8	39.3	-30
14 Punjab	5.0	1.3	-75	5.4	6.0	13	49.2	35.2	-28	3.1	0.2	-92	62.6	42.7	-32
15 Himachal Pradesh	19.6	5.7	-71	24.5	23.4	-5	82.5	62.5	-24	7.4	0.5	-93	134.0	92.1	-31
16 Jammu & Kashmir	21.3	7.9	-63	32.6	33.2	2	53.5	48.2	-10	8.8	0.8	-91	116.2	90.0	-23
17 West Rajasthan	0.7	0.2	-77	1.9	1.0	-48	26.3	31.6	20	0.9	1.8	113	29.8	34.6	16
18 East Rajasthan	1.1	0.1	-90	1.7	1.2	-32	61.6	81.3	32	2.6	3.3	25	67.0	85.8	28
19 West Madhya Pradesh	1.4	0.5	-62	1.4	1.3	-5	87.6	104.0	19	5.1	4.1	-20	95.4	109.9	15
20 East MP	3.5	2.2	-37	2.5	3.6	44	105.1	124.9	19	5.4	2.9	-46	116.6	133.7	15
21 Gujarat Region	0.1	0.0	-100	0.6	0.1	-84	91.5	69.5	-24	3.4	6.7	100	95.6	76.3	-20

(Contd.)

Table 20.5 (Contd.)

Sl. Meteorological No. Sub-Divisions	Total Rainfall in Winter- 2016 (Jan-Feb)			Total Rainfall in Pre-Monsoon 2016 (Mar-May)			Total Rainfall in Monsoon 2016 (Jun-Sep)			Total Rainfall in Post-Monsoon 2016 (Oct-Dec)*			Total Rainfall in Year 2016 (Jan to Dec)		
	Normal (Cms)	Actual (Cms)	Deviation (%)	Normal (Cms)	Actual (Cms)	Deviation (%)	Normal (Cms)	Actual (Cms)	Deviation (%)	Normal (Cms)	Actual (Cms)	Deviation (%)	Normal (Cms)	Actual (Cms)	Deviation (%)
(1) (2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
22 Saurashtra, Kutch & Diu	0.1	0.0	-100	0.4	0.1	-67	47.8	41.7	-13	2.9	6.5	124	51.1	48.3	-5
23 Konknn & Goa	0.0	0.0	-100	3.7	0.5	-86	291.5	355.0	22	14.8	10.8	-27	310.0	366.3	18
24 Madhya Maharashtra	0.2	0.1	-63	3.8	1.6	-58	72.9	81.9	12	10.6	6.4	-40	87.5	90.0	3
25 Marathawada	0.7	0.3	-57	3.0	2.0	-34	68.3	82.5	21	9.9	10.1	2	81.9	94.9	16
26 Vidarbha	1.7	0.6	-66	3.1	3.8	21	95.5	104.5	9	7.8	7.5	-4	108.1	116.3	8
27 Chhattisgarh	2.1	0.9	-57	4.5	4.5	0	115.3	117.6	2	7.6	8.0	5	129.6	131.0	1
28 Coastal Andhra Pradesh	1.9	0.3	-86	9.7	13.3	37	58.1	66.3	14	32.1	10.9	-66	101.7	90.7	-11
29 Telangana	1.1	0.1	-88	5.7	7.1	24	75.5	90.0	19	11.8	7.1	-40	94.1	104.3	11
30 Rayalseema	0.7	0.8	23	8.2	8.2	-0	39.8	39.2	-2	21.3	7.2	-66	70.0	55.4	-21
31 Tamil Nadu & Pondicherry	3.1	0.3	-89	12.8	11.2	-13	31.7	25.8	-19	40.6	15.7	-61	88.2	53.0	-40
32 Coastal Karnataka	0.1	0.1	-44	17.9	10.4	-42	308.4	242.9	-21	26.0	9.6	-63	352.4	262.9	-25
33 North Interior Karnataka	0.4	0.1	-77	8.5	6.9	-20	50.6	52.6	4	14.4	3.3	-77	73.9	62.8	-15
34 South Interior Karnataka	0.4	0.4	-5	14.5	10.7	-26	66.0	52.5	-21	20.6	6.2	-70	101.6	69.8	-31
35 Kerala	2.4	1.9	-20	38.0	31.5	-17	204.0	135.2	-34	46.9	18.1	-62	291.3	186.7	-36
36 Lakshadweep	3.6	7.2	102	23.2	9.7	-58	99.9	74.6	-25	31.3	11.2	-64	158.0	102.6	-35
All-India (Area Weighted)	4.1	1.8	-57	13.2	13.1	-0	88.8	86.2	-3	11.9	6.8	-43	117.9	107.9	-8

Source: Directorate of Economics and Statistics, DAC&FW

\* - As on 14.12.2016

CMS: Centimetres



**Table 20.6:** Brief History of Most Intense Cyclones from 1970 -2015

Sl. No.	Name of Cyclone	Date and Year	Intensity (T-Number)	Observed/ Estimated Max. Wind	Damage
(1)	(2)	(3)	(4)	(5)	(6)
<b>I. Over the Arabian Sea</b>					
1	Severe Cyclonic Storm over the Arabian sea	October 19-24 1975	N/A	180 Knots 74 Kmph	85 people died in the districts of Junagadh, Jamnagar and Rajkot of Gujarat state. This cyclone caused considerable damage estimated to be about ₹ 75 Crores.
2	Severe Cyclonic Storm over the Arabian sea	May 31 - June 5 1976	N/A	90 Knots 167 Kmph	This cyclone caused damage which was estimated to be about ₹ 3 Crores. 4 Burges each containing ₹ 5 lakh and 6 fishing boats were swept away. Mahasana, Bhavnagar, Kara, Panchmahal, Rajkot and Bharoch districts of Gujarat state were most affected areas.
3	Severe Cyclonic Storm over the Arabian sea	November 13 - 23 1977	T 5.5 (As per US satellite)	90 Knots 167 Kmph	Kerala and Lakshadweep were most affected areas due to this storm. People killed - 72, Houses damaged -8400 and 620 fishing vessels damaged in Kerala coast. Total loss was estimated to be about ₹ 10 crores.
4	Gujarat Cyclone	November 5 - 13 1978	N/A	278 Kmph	Damage to property reported.
5	Severe Cyclonic Storm over the Arabian sea	October 28 - November 3, 1981	T - 4.0 (as per US satellite)	65 Knots 120 Kmph	Junagadh, Rajkot and Jamnagar of Gujarat state were most affected areas, Total loss of damage to property was estimated to be about ₹ 52 Crores.
6	Severe Cyclonic Storm over the Arabian sea	November 4-9, 1982	N/A	N/A	Saurashtra Coast of Gujarat about 45 km east of Veraval was affected very much by this storm. 507 people died and 1.5 lakh livestock perished.
7	Severe Cyclonic Storm over the Arabian sea	November 4-9, 1982	T- 4.0	50 Knots 93 Kmph	50 fishermen were reported missing in Gujarat Coast.
8	Severe Cyclonic Storm over the Arabian sea	June 17-20, 1996	T-3.5	60 Knots 111 Kmph	19 Districts of Gujarat State were affected. 33 people died. 27964 pucca houses were destroyed. Total estimated loss was ₹ 1803.52 lakh.
9	Severe Cyclonic Storm over the Arabian sea	October 23-28, 1996	T-4.0	60 Knots 111 Kmph	As the system did not cross the coast no significant damage was reported.

(Contd.)

Table 20.6 (Contd.)

Sl. No.	Name of Cyclone	Date and Year	Intensity (T-Number)	Observed/ Estimated Max. Wind	Damage
(1)	(2)	(3)	(4)	(5)	(6)
10	Very severe Cyclonic Storm over the Arabian sea	June 4-10, 1998	T-5.0	90 Knots 167 Kmph	Gujarat & Rajasthan states were affected. Porbander of Gujarat state was the most affected area. Loss incurred due to storm was estimated to be about ₹ 1855.38 Crores in Kandla. Number of lives lost 1173 and number of persons missing 1774 in Gujarat.
11	Very severe Cyclonic Storm over the Arabian sea	May 16-22, 1999	T- 5.5	55 Knots 102 Kmph	(Contd.) This system caused severe damage in Kutch and Jamnagar districts of Gujarat. 453 people died. Loss of property was estimated to be about ₹ 80 crores. In Rajasthan one person died and 5104 cattle heads perished. 5133 houses were partially damaged. Widespread damage caused at Lakshadweep. Several houses damaged due to wind, sea wave, falling of trees and floods. 45 houses, 35 boats and small mechanized cargo ships lost in sea near land. 16 boats reported sunk and cargo boat damaged. Sea erosion reported over Kerala and 9 people dead and 17 people missing. Total loss worth ₹ 30 crores.
12	Severe Cyclonic Storm over Arabian sea	May 5-10, 2004	3.5	Weakened over sea	No damage as dissipated over the Arabian Sea.
13	Severe Cyclonic" Storm MUKDA" over Arabian sea	September 21-24,2006	3.5	55 Knots 102 Kmph	The system crossed Makaran coast and hence there was no damage in India
14	Super cyclone "GONU"	01-07 June 2007	T-6.5	127 knots	The cyclone crossed Pakistan coast and hence there was no damage in India
15	Cyclonic storm "YEMYIN"	25 - 26 June 2007	T - 2.5	35 knots	According to State Govt. and news agencies reports, it caused damage to lives, crops and properties in Goa and Konkan region especially in Ratnagiri, Sindhudurg, Raigadh and Thane districts. About 1000 houses damaged, seven persons died and about 44 fishermen missing.
16	Cyclonic Storm PHYAN (Arabian sea)	9-12 Nov. 2009	3.0	45 Knots 83 Kmph	

(Contd.)

Table 20.6 (Contd.)

Sl. No.	Name of Cyclone	Date and Year	Intensity (T-Number)	Observed/ Estimated Max. Wind	Damage
(1)	(2)	(3)	(4)	(5)	(6)
17	Cyclonic Storm WARD (Arabian sea)	10-15 Dec.2009	3.0	45 Kts (83 Km/h)	No damage over India.
18	Cyclonic Storm Bandu	May 19 -23 2010	2.5	40 knots	
19	Cyclonic Storm Phet	May 31 - 07 June 2010	4.5	85 knots	
20	Cyclonic Storm "KEIL'A"	29th October to 4th November, 2011	T 2.5	35 kts (65 kmph)	No damages over India.
21	Cyclonic Storm "NANAUK"	10th June to 14th June, 2014	T 3.0	45 kts (83 kmph)	No damages over India.
22	Very severe Cyclonic Storm 'NIOFAR'	25th October to 31st October, 2014	T 5.5	110 kts (204 kmph)	No damages over India.
23	Cyclonic Storm "Ashobaa"	7-12 June, 2015	T 3.0	45 Knots	Dissipated over Northwest Arabian Sea as a well-marked low pressure at 1200 UTC on 12.06.2015. No damage occurred over India due to this system.
24	Extremely severe Cyclonic Storm "Chapala"	28th Oct. 2015	T 6.0	115 Knots	5 persons were killed in Socotra Island. It caused widespread damage as it brushed past Socotra Island. Of yemen on 3.11.15 between 0100-0200 UTC (14.10 N. 48.65O E). More than 50,000 people in Yemen including about 18,000 in Socotra Island were displaced due to this cyclone.
25	Extremely severe Cyclonic Storm "Megh"	5-10 November, 2015	T 5.0	95 Knots	No damage occurred over India due to this system. Crossed Yemen coast at lat.13.40 N, 46.10E. 18 deaths and dozens were injured in Yemen. More than 500 housed were completely destroyed and another 3000 were damaged. Hundreds of fishing boats were damaged and more than 3000 families were displaced in Yemen. No damage occurred over India due to this system.

(Contd.)

Table 20.6 (Contd.)

Sl. No.	Name of Cyclone	Date and Year	Intensity (T-Number)	Observed/ Estimated Max. Wind	Damage
(1)	(2)	(3)	(4)	(5)	(6)
<b>II. Over the Bay of Bengal</b>					
1	Bangladesh (Chittagong)	November 12-13, 1970	N/A	224 Kmph	30,00,000 people died
2	Balasure (Odisha)	October 26-31, 1971	N/A	185 Kmph	10,000 people died and 1 million people rendered homeless.
3	Andhra Cyclone	November 14-20, 1977	N/A	259 Kmph	8547 People died. Strom surge height 5 m.
4	Sri Hanikota (A.P.)	November 9-14, 1984	T-6.0	213 Kmph	604 people died.
5	Indo-Bangladesh Border	November 24-30, 1988	T-6.0	213 Kmph	2000 people died. 6000 people missing in Bangladesh.
6	Kavali (A.P.)	November 1-9, 1989	T-6.5	235 Kmph	69 people died.
7	Machilipatnam (A.P.)	May 4-9, 1990	T-6.5	235 Kmph	967 people died.
8	Bangladesh (Chittagong)	April 25-30, 1991	T-6.5	235 Kmph	1,38,882 people died. 1,39,054 people injured.
9	Bangladesh (Teknaf)	April 24 - May 2, 1994	T-6.0	215 Kmph	184 people killed
10	Bangladesh (Teknaf)	May 15-19, 1997	T-6.0	230 Kmph As reported by Bangladesh Met. Office	155 people died. 9663 people injured.

(Contd.)

Table 20.6 (Contd.)

Sl. No.	Name of Cyclone	Date and Year	Intensity (T-Number)	Observed/ Estimated Max. Wind	Damage
(1)	(2)	(3)	(4)	(5)	(6)
11	Gopalpur Cyclone (Odisha)	October 15-19, 1999	T-5.0	170 Km/h	198 people died. 402 persons injured.
12	Super Cyclone (Odisha)	October 25-31, 1999	T-7.0	260 Km/h	9887 people died. 129.22 lakh people affected.
13	Very severe Cyclonic Storm over the bay of Bengal.	November 26-30, 2000	T- 5.5	102 Knots 189 kmph	Two states viz., Tamil Nadu and Puducherry were mainly affected by this storm. The loss was mainly due to crop damage. Uprooting of big trees and partial damages to more than one thousand kuchha houses. 30,000, Plantain trees and 50,000 Plantain saplings got destroyed and 30,000 trees were uprooted in Tamil Nadu state. In Puducherry two persons lost their lives. Damage to paddy crops, plantains, coconut plantation were the major losses in Puducherry.
14	Very severe Cyclonic Storm over the bay of Bengal	December 23-28, 2000	T- 5.0	90 Knots 167 Km/h	Three districts of Tamil Nadu state were affected by this storm in the Ramnathanpuram district, 350 houses were damaged in Thirunelveli. Houses damaged - 318. In Tuticorin houses damaged-318, Fishing boats lost - 95, loss to crops - 281 hectares of paddy, 650 hectares of plantain and 80 hectares of betel destroyed.
15	Cyclonic Storm over Bay of Bengal	October 14-17, 2001	2.5	35 Knots 65 km/h	108 people dead, 21 people missing, damage to crops about 125000 Hectares and 55747 house damaged in Andhra Pradesh.
16	Severe Cyclonic Storm over Bay of Bengal	November 10-12, 2002	3.5	55 Knots 102 km/h	Two travelers damaged and 18 people died in Odisha and another two travelers missing. In West Bengal 2 people died.
17	Severe Cyclonic Storm over Bay of Bengal	December 11-16, 2003	3.5	55 Knots 102 km/h	81 people dead in Andhra Pradesh, 1637 Building destroyed completely, 7453 Building partially damaged 61898.5 hectares of Agricultural land damaged. Loss of property to the tune of ₹ 23903.13 Lakh. No of villages electric failure are 2000 and telecommunication disruption are in 41 villages.

(Contd.)

Table 20.6 (Contd.)

Sl. No.	Name of Cyclone	Date and Year	Intensity (T-Number)	Observed/ Estimated Max. Wind	Damage
(1)	(2)	(3)	(4)	(5)	(6)
18	Cyclonic Storm "PYARR" over Bay of Bengal	September 17-21, 2005	T-2.5	35 Knots 65 kmph	Damages reported in Andhra Pradesh are as follows: Number of Human deaths - 1, Number of livestock died - 291, Buildings partly / completely destroyed - 12041, (estimated cost ₹ 177.28 lakhs), Crop loss - 4,82,188 hectares (estimated cost ₹ 627.74 lakhs), Total loss estimated by Government - ₹ 5029.82 lakhs
19	Cyclonic storm "BAAZ" over Bay of Bengal	November 28- December-02, 2005	T-3.0	45 Knots 83 Kmph	According to press reports, heavy rain caused floods in Nellore. Chittoor and Cuddapah districts of Andhra Pradesh. Number of deaths - 11 (Nellore 7, Chittoor 3 Cuddapah 1), Number of tanks breached - 27 (Nellore district). Many villages were reported to be marooned in the above districts.
20	The Very Severe Cyclonic Storm "Mala" over the Bay of Bengal	May 25- 30, 2006	5.5	100 Knots 185 Kmph	It crossed the coast of Myanmar and hence there was no damage in India.
21	Cyclonic Storm "OGNI" over Bay of Bengal	October 29-30, 2006	2.5	35 Knots 65 Kmph	Andhra Pradesh Loss of life : 24 Livestock : 3,61,553 Loss of crops: 1,99,986 acres Villages submerged : 900 Damage to houses (fully) : 26,853 Damage to houses (partly): 73,218 Total loss : ₹ 21,601 lakhs.
22	Cyclonic storm "AKASHI"	13 -15 May 2007	T- 6.0	115 knots	The system crossed Bangladesh coast and hence there was no damage in India
23	Very severe cyclonic storm "SIDR"	11 - 16 November 2007	T - 6.0	115 knots	The system crossed Bangladesh coast. However, one person died. 46 Villages and thousands of people were affected in west Bengal. Crops were damaged in thousands of hectares of land. There was disruption of electricity supply in the coastal belt of West Bengal due to breaking of dam over Bidyadhari river. Extensive areas were flooded near Gajikhali and Kheaghat. Some houses were partially/ totally damaged in Mizoram. Shillong road was also affected at several places.

(Contd.)

Table 20.6 (Contd.)

Sl. No.	Name of Cyclone	Date and Year	Intensity (T-Number)	Observed/ Estimated Max. Wind	Damage
(1)	(2)	(3)	(4)	(5)	(6)
24	Nargis	27th April to 3rd May 2008	T - 5.0	Estimated 90 kts/167kmph (As per news paper 190 kmph)	As the system moved away from Indian coast there was no damage reported from India.
25	Rashmi	25th to 27th October 2008	T - 3.0	50 Knots 93 Kmph	Significant damage was reported over northeastern states. Numbers of human death wear 5 from Meghalaya and 8 from Arunachal Pradesh. The death was due to landslide caused by incessant rain along with strong wind. One person was washed away by surging water of the wahunkhrah river. Incessant rain and wind uprooted most of the electric posts in shillong. According to Assam electricity Board the uprooted trees snapped the power supply lines causing damage to power transmission. Due to severe thunder squall and continuous heavy rain, vast areas of Tawang and Bomdila of west Arunachal Pradesh were lashed in the night hours of 27-28th Oct. causing disruption of road and other communications. Several road bridges were broken down and a number of dwelling houses have been devastated besides injury to many persons.
26	Khaimuk	13th to 16th November 2008	T 2.5	40 Knots 74 Kmph	Major erosion of coast seen at Uppadanear Kakinada. In many areas in East & West Godavari and Krishna districts, paddy fields got inundated. Twenty one country boats washed off in the sea off konapapeta in kothapalli mandal of East Godavari. A big ship was carried away by the waves along the Wakalapudi beach near Ikinada of East Godavari district. Many boats and fishing nets were swept off in the areas adjoining Wakadu, Alluru, Mypad, Gangapatnam in Nellore district.

(Contd.)

Table 20.6 (Contd.)

Sl. No.	Name of Cyclone	Date and Year	Intensity (T-Number)	Observed/ Estimated Max. Wind	Damage
(1)	(2)	(3)	(4)	(5)	(6)
27	Nisha	25th to 27th November, 2008	T - 3.0	45 Knots 83 Kmph	As per the Tamil Nadu Govt. Revenue site, loss of life wear 78 over the state during 24th to 28th November,2008 As per media reports 8 lakhs acres of paddy crops in Nagapattnam, Thanjavur and Tiruvarur (dela) districts and 55,250 hectares of paddy in cuddalore district were submerged due to heavy rain. Andhra Pradesh: Chittur, Nellore and Prakasam districts of south coastal Andhea Pradesh were affected by heavy rain/strong, 3.63 lakh hectares of crop were damaged. The heavy rain led to floods in south coastal Andhra Pradesh districts.
28	Cyclonic Storm BIJLI (Bay of Bengal)	14-17 April 2009	2.5	40 Knots 74 Kmph	No damage over India.
29	Severe Cyclonic Storm AILA (Bay of Bengal)	23-26 May 2009	3.5	60 Knots 112 Kmph	According to West Bengal state Government, number of people affected by storm was about 2.2 million. More than 61,000 houses were collapsed and more than 1,32,000 houses were partially damaged. About 100 people died in the state. In Odisha Numerous trees were uprooted and power lines were down . High waves produced by the storm inundated coastal villages, Forcing residents to evacuate to safer places. However there was no report of human death in the state. An estimated 1,000 acres of cropland were affected. In Meghalaya several houses were damaged, power supply was disrupted and many areas were flooded.
30	Cyclonic Storm over Bay of Bengal	“Laila” 17 - 21 May, 2010	3.5	55 knots	

(Contd.)



Table 20.6 (Contd.)

Sl. No.	Name of Cyclone	Date and Year	Intensity (T-Number)	Observed/ Estimated Max. Wind	Damage
(1)	(2)	(3)	(4)	(5)	(6)
31	Cyclonic Storm over Bay of Bengal	20 - 23 October, 2010	5.5	105 knots	
32	Cyclonic Storm over Bay of Bengal	04 - 07 November, 2010	3.5	60 knots	
33	Very Severe Cyclonic Storm "THANE"	25th - 31st December, 2011	T 4.5	75 kts (139 kmph)	46 persons died in Tamil Nadu and Puducherry. 793 trees, electric posts were uprooted. Around 6000 persons in these areas were shifted to shelters. In Puducherry the storm has caused considerable loss to the Tourism Industry. About 73292 thatched houses were fully damaged and 94633 houses were partially damaged by wind and rain.
34	Cyclone Storm MURJAN	23rd - 26th Oct-12	12.5	40 Knots (75 kmph)	Paddy crop in 58,200 hectares; sugarcane in 5,752; groundnut in 1,402; black gram in 945; coconut in 490 hectares were damaged in the entire cyclone affected areas. In horticultural sector, cashew in 23,500 hectares; banana plantation in 2,860; jackfruit in 340; vegetables in 320; Mango trees in 317; Guava in 270; flowers in 250; betel nuts in 128; tuber in 73; amla in 12 hectares were damaged. In Cuddalore district alone 4500 electric poles, 4500 transformer, 27 electric towers were damaged. Electric wire in 10,500 Km length was damaged. The damages are worked out to be ₹ 1300 to 1500 crores.
					No damage over India

(Contd.)

Table 20.6 (Contd.)

Sl. No.	Name of Cyclone	Date and Year	Intensity (T-Number)	Observed/ Estimated Max. Wind	Damage
(1)	(2)	(3)	(4)	(5)	(6)
35	Cyclonic Storm 'Viyaru'	10-16 May 2013	T-3.0	45 Knots (83 kmph)	No damage over India Basin (Name of the coast of landfall)
36	Very Severe Cyclonic Storm (VSCS) 'PHAILIN' over the Bay of Bengal	08-14 Oct. 2013	T-6.0	115 knot (213 kmph)	Crossed Andaman & Nicobar near Maya Bandar between 0700-0800 UTC of 9 October as DD and later the VSCS crossed Odisha & adjoining north Andhra Pradesh coast near Gopalpur around 1700 UTC near 19.20N and 84.90E
37	Bengal NILAM	28th October to 1st November 2013	T 3.0	45 Knots (85 kmph)	No damage over India
38	Severe Cyclonic Storm 'Helen'	19-23 Nov 2013	T-3.5	55 knot (102 kmph)	Crossed Andhra Pradesh coast close to south of Machilipatnam near 16.10N/81.20E between 0800-0900UTC
39	Very Severe Cyclonic Storm VSCS 'Lehar'	23-28 Nov. 2013	T-4.0	75 knot (139 kmph)	Crossed Andaman & Nicobar Island, south of Port Blair at around 0100 UTC of 25 November and later Andhra Pradesh close to north of Machilipatnam near 15.90N/81.10 E 0830 UTC of 27 Nov., 2013 as a depression around
40	Very Severe Cyclonic Storm VSCS 'Madi'	06-13 Dec.2013	T-4.0	65 knot (120 kmph)	Crossed Tamil Nadu coast near Vedaranyam around 1330 UTC and emerged into Palk Strait and again crossed Tamil Nadu coast near Tondi around 1700 UTC of 12 Dec.2013

(Contd.)

Table 20.6 (Contd.)

Sl. No.	Name of Cyclone	Date and Year	Intensity (T-Number)	Observed/ Estimated Max. Wind	Damage
(1)	(2)	(3)	(4)	(5)	(6)
41	Very severe Cyclonic Storm 'HUDHUD'	7th October to 14th October, 2014	T 5.0	100 knot (185 kmph)	The System crossed Andhra Pradesh coast over Visakhapatnam and moved across south coast of Odisha. Maximum damage was reported over Andhra Pradesh followed by Odisha.
42	Cyclone Storm "Komen"	26th July to 2nd August, 2015	T 2.5	40 Knots	Crossed Bangladesh Coast between Hatia & Sandwip near lat.22.50N long .91.40E during 1400 to 1500 UTC of 30th July 2015. 83 people died and 88,900 houses were damaged partially in Bangladesh. Two persons died and 2 got injured in Myanmar. 86 houses and 4 primary schools were damaged in Myanmar. No damage occurred over India due to this system.

Source: India Meteorological Department, New Delhi

# 21

## Conversion Factors between Important Primary and Secondary Agricultural Commodities

**Table 21 :** Conversion Factors between Important Primary and Secondary Agricultural Commodities

Commodity (1)	Conversion Factor (2)
<b>Rice (Cleaned) Production</b>	2/3 of Paddy Production
<b>Cotton</b>	
Cotton Lint Production	1/3 of Kapas Production
Cotton Seed Production	2/3 of Kapas Production
	2 Times of Cotton Lint Production
<b>Jute</b>	
100 Yards of Hessian	54 lbs. of Raw Jute
4148 Yards of Hessian	1 Ton of Raw Jute
	5.55 Bales of Raw Jute (of 180 Kgs. Each)
1 Ton of Sacking	1.11 Tons of Raw Jute
	6.17 Bales of Raw Jute (of 180 Kgs. Each)
1 Ton of Hessian	1.05 Tons of Raw Jute
Sacking etc.	5.85 Bales of Raw Jute (of 180 Kgs. Each)
<b>Groundnut</b>	
Kernel to Nuts in Shell	70 Percent
Oil to Nuts in Shell	28 Percent
Oil to Kernels Crushed	40 Percent
Cake to Kernels Crushed	60 Percent
<b>Sesamum</b>	
Oil to Seeds Crushed	40 Percent
Cake to Seeds Crushed	60 Percent
<b>Rapseed and Mustard</b>	
Oil to Seeds Crushed	33 Percent
Cake to Seeds Crushed	67 Percent
<b>Linseed</b>	
Oil to seeds Crushed	33 Percent
Cake to Seeds Crushed	67 Percent
<b>Castorseed</b>	
Oil to Seeds Crushed	37 Percent
Cake to Seeds Crushed	63 Percent
<b>Cotton Seed</b>	
Oil to Seeds Crushed	14 to 18 Percent
Cake to Seeds Crushed	82 to 86 Percent
<b>Coconut</b>	
Copra to Nuts	One Ton of Copra = 6773 Nuts
Oil to Copra Crushed	62 Percent
Cake to Copra Crushed	38 Percent
<b>Nigerseed</b>	
Oil to Seeds Crushed	28 Percent
Cake to Seeds Crushed	72 Percent
<b>Kardi Seed</b>	
Oil to Seeds Crushed	40 Percent
Cake to Seeds Crushed	60 Percent
<b>Mahua Seed</b>	
Oil to Seeds Crushed	36 Percent

(Contd.)

Table 21 (Contd.)

Commodity	Conversion Factor
(1)	(2)
Cake to Seeds Crushed	64 Percent
<b>Neem Seed</b>	
Oil to Kernels Crushed	45 to 50 Percent
Cake to Kernels Crushed	50 to 55 Percent
<b>Soyabean Seed</b>	
Oil to Soyabean Seed Crushed	18 Percent
Meal to Soyabean Seed Crushed	73 Percent
Hull from Soyabean Seed Crushed	8 Percent
Wastage from Soyabean Seed Crushed	1 Percent
<b>Sugar</b>	
Gur from Cane Crushed	11.20 Percent to 11.50 Percent
Crystal Sugar from Gur Refined (Gur Refineries)	62.5 Percent
Crystal Sugar from Cane Crushed (Cane Factories)	10.20 Percent
Khandasari Sugar (Sulphur and Non-sulphur)	46 Percent
from standard Gur Refined	
Molasses from Cane Crushed	4.0 Percent to 4.5 Percent
Cane - Trash* from Cane Harvested	8.0 Percent to 12.0 Percent
<b>Lac</b>	
Seed Lac	66.0 Percent of Stick Lac
Shell Lac	57.4 Percent of Stick Lac
<b>Cashewnut</b>	
Cashew Kernel	25 Percent of Cashewnuts

\* This consists of leaves and portion of the top of stalk which are removed from the canestalk, while harvesting and before sending the cane for milling.

## 22: List of Studies Conducted by Agro-Economic Research Centres

2011-12

1	Capacity Building for Improving Trade Competitiveness and Price Realization of Indian Agriculture.	CMA, Ahmedabad
2	Impact of NREGA on wage rates, cost of production, food Security and Rural Urban Migration of Karnataka	ADRT, Bangalore
3	Impact Study of the National Horticulture Mission (NHM) Scheme in Karnataka	ADRT, Bangalore
4	State Budgetary Resources and Agriculture Development (Consolidated Report).	ADRT, Bangalore
5	Impact of Macro Management of Agriculture Scheme. (Consolidated Report)	ADRT, Bangalore
6	Role of Climate Change & Agricultural Performance. Proposed by- IEG , Delhi	IEG, Delhi
7	Possibilities and Constraints increasing the production of pulses in India; and the Impact of National Food Security Mission on Pulses	IEG, Delhi
8	Impact of emerging marketing channels in Agricultural Marketing – Benefit to producer – seller & Marketing Costs and Margins of Agricultural Commodities.	IEG, Delhi
9	Market Access and Constraints in Marketing of Goats and Their Products (Consolidated)	Allahabad
10	Possibilities and Constraints for increasing the Production of Pulses in India and Impact of National Food Security Mission on Pulses in U.P.	Allahabad
11	Impact of emerging marketing channels in Agricultural Marketing – Benefit to producer – seller & Marketing Costs and Margins of Agricultural Commodities.	Allahabad
12	Impact of NREGA on wage rates, cost of production, food Security and Rural Urban Migration, at Kerala .	Chennai
13	Possibilities and Constraints for increasing the Production of Pulses in India and Impact of National Food Security Mission on Pulses in Haryana.	Delhi

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14	Impact Study of the National Horticulture Mission (NHM) Scheme.	Delhi
15	Impact of NREGA on wage rates, cost of production, food Security and Rural Urban Migration,	Delhi
16	Economics of fodder cultivation & its processing and marketing.	Jabalpur
17	Potential & prospects of Rabi cultivation in Assam.	Jorhat
18	Impact of emerging marketing channels in Agricultural Marketing – Benefit to producer – seller & Marketing Costs and Margins of Agricultural Commodities in Assam.	Jorhat
19	Impact of NREGA on wage rates, cost of production, food Security and Rural Urban Migration in Assam,	Jorhat
20	Economics of fodder cultivation & its processing and marketing in Punjab.	Ludhiana
21	Impact of NREGA on wage rates, cost of production, food Security and Rural Urban Migration of in Punjab.	Ludhiana
22	Impact of NREGA on wage rates, cost of production, food Security and Rural Urban Migration, with all India coverage in Rajasthan and Gujarat	Vallabh Vidyanagar
23	Impact Study of the National Horticulture Mission (NHM) Scheme in Rajasthan	Vallabh Vidyanagar
24	Mid-Term Evaluation Studies of National Watershed Development for Rain fed Areas during Tenth Plan	Vallabh Vidyanagar
25	Study report on Evaluation Studies of National Watershed Development for Rainfed Areas during Tenth Plan.	Vallabh Vidyanagar
26	Economics of production processing and marketing of fodder crops in Gujarat.	Vallabh Vidyanagar
27	Impact and Constraints Evaluation of Organic Farming at Household Level.	Visva Bharati
28	Impact Study of the National Horticulture Mission (NHM) Scheme in West Bengal.	Visva Bharati
29	Impact of emerging marketing channels in Agricultural Marketing – Benefit to producer – seller & Marketing Costs and Margins of Agricultural Commodities in West Bengal.	Visva Bharati
30	Impact of NREGA on wage rates, cost of production, food Security and Rural Urban Migration in West Bengal.	Visva Bharati

*(Contd.)*



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31	Possibilities and Constraints for increasing the Production of Pulses in India and Impact of National Food Security Mission on Pulses in Andhra Pradesh.	Waltair
32	The Impact of Macro Management of Agriculture Scheme in Andhra Pradesh	Waltair
<b>2012-13</b>		
1	Economics of fodder cultivation & its processing and marketing in Karnataka	ADRT, Bangalore
2	Hulling and Milling Ratio in major Paddy growing states-Karnataka	ADRT, Bangalore
3	Market Integration of Major Agricultural Markets in Karnataka	ADRT, Bangalore
4	Hulling and Milling Ratio in major Paddy growing states-All India (Consolidated)	ADRT, Bangalore
5	Impact of NREGA on age Rates, Food Security and Rural Urban Migration with All-India Coverage'(Consolidated)	ADRT, Bangalore
6	Prospects of Crop Diversification in the States of Punjab & Haryana - (Suggested by CACP).	IEG, Delhi
7	Producers companies in India: Ownership, management structure, performances and impact on small producers.	IEG, Delhi
8	Impact of NREGA on wage rates, cost of production, food Security and Rural Urban Migration in U.P.	Allahabad
9	End-term Evaluation Study/Appraisal in respect of the Implementation of the Bringing Green Revolution to Eastern India (BGREI) Program	Allahabad
10	Spread of new varieties of hybrid rice and their impact on the overall production and productivity in Uttar Pradesh.	Allahabad
11	Problems and Prospects of Katarni Paddy Production in Bihar.	Bhagalpur
12	Impact Study of the National Horticulture Mission (NHM) Scheme in Bihar	Bhagalpur
13	End-term Evaluation Study/Appraisal in respect of the Implementation of the Bringing Green Revolution to Eastern India (BGREI)Program	Bhagalpur
14	Impact Study of the National Horticulture Mission (NHM) Scheme in Tamil Nadu	Chennai

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15	Impact of emerging marketing channels in Agricultural Marketing – Benefit to producer in Haryana	IEG, Delhi
16	End-term Evaluation Study/Appraisal in respect of the Implementation of the Bringing Green Revolution to Eastern India (BGREI) Program	Jabalpur
17	Possibilities and Constraints in increasing the production of pulses in India; and the Impact of National Food Security Mission on Pulses	Jabalpur
18	Impact of NREGA on wage rates, cost of production, food Security and Rural Urban Migration in Madhya Pradesh and Chhattisgarh	Jabalpur
19	Impact study of soil testing analysis in the states of Madhya Pradesh	Jabalpur
20	(1) Hulling and Milling Ratio in major Paddy Madhya Pradesh. (2) Hulling and Milling Ratio for Paddy in Chhattisgarh	Jabalpur
21	Spread of new varieties of hybrid rice and their impact on the overall production and productivity in Madhya Pradesh	Jabalpur
22	End-term Evaluation Study/Appraisal in respect of the Implementation of the Bringing Green Revolution to Eastern India (BGREI) Program	Jorhat
23	Possibilities and Constraints in increasing the production of pulses in India; and the Impact of National Food Security Mission on Pulses.	Ludhiana
24	Hulling and Milling Ratio for Paddy in Punjab	Ludhiana
25	Impact of emerging marketing channels in Agricultural Marketing – Benefit to producer – seller & Marketing Costs and Margins of Agricultural Potato and Kinnow in Punjab	Ludhiana
26	Economics of fodder cultivation & its processing and marketing (Consolidated)	Ludhiana
27	Assessment of Pre and Post Harvest Losses in Wheat and Paddy Crops in Punjab	Ludhiana
28	Assessment of crop-wise marketable and marketed surplus of food grains and post harvest losses in Ludhiana	Ludhiana
29	Marketed surplus of food grains and post harvest losses in West Bengal.	Visva Bharati
30	End-term Evaluation Study/Appraisal in respect of the Implementation of the Bringing Green Revolution to Eastern India (BGREI) Program	Visva Bharati
31	Baseline Data on Area, Production and Production and Productivity of Horticulture Crops in Sikkim-Shantiniketan	Visva Bharati
32	Problem and Prospects of Oilseeds in West Bengal -Shantiniketan	Visva Bharati

*(Contd.)*

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33	Effect of Farm Mechanization on Agricultural Growth and Comparative Economics of Labour and Machinery	Visva Bharati
34	Spread of new Varieties of Hybrid Rice and their Impact on the Overall Production and Productivity in West Bengal.	Visva Bharati
35	Impact of NREGA on wage rates, cost of production, food Security and Rural Urban Migration in Andhra Pradesh	Vishakhapatnam
36	Impact Study of the National Horticulture Mission (NHM) Scheme in Andhra Pradesh	Vishakhapatnam
37	End-term Evaluation Study/Appraisal in respect of the Implementation of the Bringing Green Revolution to Eastern India (BGREI) Program	Vishakhapatnam
<b><u>2013-14</u></b>		
1	Estimation of pre and post harvest losses of Rice and Redgram in Karnataka.	ADRT, Bangalore
2	Assessment of crop-wise marketable and marketed surplus of food grains and post harvest losses in Karnataka.	ADRT, Bangalore
3	Consolidated Impact Study of the National Horticulture Mission (NHM) Scheme.	ADRT, Bangalore
4	Assessment of crop-wise marketable and marketed surplus of food grains and post harvest losses for Gujarat.	CMA,IIMA
5	Assessment of Pre and Post Harvest Losses in Wheat and Paddy Crops in Uttar Pradesh.	Allahabad
6	Assessment of Crop-wise Marketable and marketed surplus of food grains and post harvest losses in Uttar Pradesh.	Allahabad
7	Problems and prospects of oilseeds and oil palm cultivation, potential of bringing it in cost effective manner in Uttar Pradesh.	Allahabad
8	Evaluation and impact of mechanization on agri. Growth, comparative economics of labour and machinery in Bihar.	Bhagalpur
9	Spread of new varieties of hybrid rice and their impact on the overall production and productivity in Bihar.	Bhagalpur
10	Assessment of crop-wise marketable and marketed surplus of food grains and post harvest losses in Haryana.	Delhi
11	Evaluation of Price Support Scheme of Sunflower in Haryana.	Delhi
12	Evaluation of Market Intervention Scheme (Apple 'C' Grade) in Uttarakhand	Delhi
13	Baseline data on area, Production and productivity of Horticulture crops in North East and Himalayan states in Uttarakhand.	Delhi
14	Estimation of pre and post harvest losses among selected crops in Madhya Pradesh.	Jabalpur
15	Assessment of marketable and marketed surplus of Wheat, Gram & Tur in Madhya Pradesh	Jabalpur

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16	Baseline Data on Area, Production and Productivity of Horticultural Crops in Assam.	Jorhat
17	Evaluation of Market Intervention Scheme(MIS) and PSS in Mizoram	Jorhat
18	Estimation of pre and post harvest losses among selected crops in Assam	Jorhat
19	Assessment of Pre and Harvest Losses in Tur and Soyabean Crops in Maharashtra.	Pune
20	Assessment of Crop-wise Marketable and marketed surplus of food grains and post harvest losses in Maharashtra.	Pune
21	Problems and prospects of Soyabean cultivation in Maharashtra Problems and prospects of Soyabean cultivation in Maharashtra .	Pune
22	Evaluation of Market Intervention Scheme in Himachal Pradesh.	Shimla
23	Baseline data on area, production and productivity of horticulture crops in Himachal Pradesh.	Shimla
24	Problems and Prospects of Prospects of Production of Oilseeds: Special Reference to Groundnut in Gujarat.	Vallabh Vidyannagar
25	Problems and Prospects of Prospects of Production of Oilseeds in Rajasthan.	Vallabh Vidyannagar
26	Assessment of Crop-wise Marketable and marketed surplus of food grains and post harvest losses in Rajasthan.	Vallabh Vidyannagar
27	Estimation of pre and post harvest losses among selected crops in Gujarat.	Vallabh Vidyannagar
28	Estimation of pre and post harvest losses among selected crops in Rajasthan	Vallabh Vidyannagar
29	Evaluation of Market Intervention Scheme (MIS) and PSS in Rajasthan.	Vallabh Vidyannagar
30	Estimation of pre and post harvest losses among selected crops in West Bengal	Visva Bharati
31	Spread of new varieties of hybrid rice and their impact on the overall production and productivity in West Bengal.	Visva Bharati
32	Consolidated Spread of new varieties of hybrid Rice and their impact on the overall production and productivity.	Visva Bharati

**2014-15**

Baseline data on area, Production and productivity of Horticulture crops in North East and Himalayan states (Consolidated report).	ADRTC, Bangalore
Problem and Prospect of Sunflower production in Karnataka.	ADRTC, Bangalore
Estimation of pre and post harvest losses among selected crops in India (Consolidated report)	ADRTC, Bangalore

*(Contd.)*

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Rural Diversification in India – the Aspect of Food Security	IEG, Delhi
Prosperity of crop diversification in Punjab and Haryana.	IEG, Delhi
Evaluation and impact of mechanization on agri. Growth, comparative economics of labour and machinery in Agriculture (Consolidated report).	IEG, Delhi
Assessment of the extent of Food Processing in various food sub-sectors	IEG, Delhi
Review of Evidence on Farmers Income from secondary sources.	IEG, Delhi
Micro irrigation systems: barriers spread and resources conservation.	CMA, Ahmedabad
Problem and Prospect of oilseeds production in India	CMA, Ahmedabad
Biotechnology in Agriculture, Examining the promise, performances, concerns & Economics	CMA, Ahmedabad
Assessment of crop-wise marketable and marketed surplus of food grains and post harvest losses (Consolidated)	CMA, Ahmedabad
Adoption of recommended doses of fertilizer on soil test basis by farmers for Rice and Wheat in Uttar Pradesh.	Allahabad
Impact of National Food Security Mission (NFSM) on Input use, Production, Productivity and Income for Wheat in Uttar Pradesh.	Allahabad
Estimation of pre and post harvest losses of Paddy in Tamil Nadu	Chennai
Spread of new varieties of hybrid rice and their impact on the overall production and productivity for Tamil Nadu.	Chennai
Possibilities and Constraints in adoption of alternative crops to paddy in Haryana.	Delhi
Problems & Prospects of Oilseeds production in Madhya Pradesh.	Jabalpur
Impact of National Food Security Mission (NFSM) on Input use, Production, Productivity and Income for Wheat in Madhya Pradesh.	Jabalpur
Adoption of recommended doses of fertilizer on soil test basis by farmers for Wheat and Soyabean in Madhya Pradesh.	Jabalpur
Relationship between wholesale prices, retail prices, export prices (FOB), prices realized by farmers and details of contributing factors for the price difference for Basmati rice in Punjab.	Ludhiana
Adoption of recommended doses of fertilizer on soil test basis by farmers for Wheat and Rice in Punjab.	Ludhiana
Impact of diesel/power subsidy withdrawal on production cost of important crops in Punjab.	Ludhiana
Possibilities and Constraints in Adoption of Alternative Crops to Paddy in Punjab.	Ludhiana
Impact of National Food Security Mission (NFSM) on Input use, Production, Productivity and Income for Wheat in Gujarat.	V.V Nagar

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Adoption of recommended doses of fertilizer on soil test basis by farmers for Cotton and Groundnut in Gujarat.	V.V Nagar
Spread of new varieties of hybrid rice and their impact on the overall production and productivity for Andhra Pradesh	Visakhapatnam
Impact of MGNREGA on Wage Rates, Food Security and Rural Urban Migration in Odisha.	Visakhapatnam
Problems and prospects of oilseeds and oil palm cultivation, potential of bringing it in cost effective manner in Andhra Pradesh	Visakhapatnam
Evaluation of Market Intervention Scheme (MIS) in Andhra Pradesh	Visakhapatnam

**2015-16 (as on 31-03-2016)**

Impact of National Food Security Mission (NFSM) on Input use, Production, Productivity and Income in Karnataka	ADRTC, Bangalore
Adoption of recommended doses of fertilizer on soil test basis by farmers for Rice and Maize in Karnataka.	ADRTC, Bangalore
Relationship between wholesale prices, retail prices, export prices (FOB), prices realized by farmers and details of contributing factors for the price difference for Onion and Grapes for Karnataka.	ADRTC, Bangalore
The Extent of Wastage in Azadpur Mandi- A Case Study	IEG, Delhi
Irrigation and Entrepreneurship: Status and Lessons for improvements and Expansion – covering four states.	CMA, Ahmedabad
Enhancing Rice Productivity and Food Security: A Study of the Adoption of the System of Rice Intensification (SRI) in selected States of India	CMA, Ahmedabad
Agro-input Marketing Models in India: Performance and potential	CMA, Ahmedabad
Possibilities and Constraints in Adoption of Alternative Crops to Paddy to Paddy in Uttar Pradesh.	Allahabad
Impact of National Food Security Mission (NFSM) on Input use, Production, Productivity and Income for rice in Bihar.	Bhagalpur
Adoption of recommended doses of fertilizer on soil test basis by farmers in Bihar.	Bhagalpur
Supply Chain of Litchi Marketing / Processing for Bihar.	Bhagalpur
Impact of National Horticulture Mission (NHM) in Kerala	Chennai
Impact of National Food Security Mission (NFSM) on Input use, Production, Productivity and Income in Tamil Nadu.	Chennai
Adoption of recommended doses of fertilizer on soil test basis by farmers for Rice and Groundnut in Tamil Nadu	Chennai
Relationship between wholesale prices, retail prices, export prices (FOB), prices realized by farmers and details of contributing factors for the price difference for Basmati rice in Haryana	Delhi

*(Contd.)*

Impact of National Food Security Mission (NFSM) on Input use, Production, Productivity and Income in Assam	Jorhat
Impact of Credit on Agricultural Production with Special Reference to Crop Loan and KCC Scheme- An Empirical Study in Assam.	Jorhat
Possibilities and Constraints in Adoption of Alternative Crops to Paddy in Green Revolution Belt of North India.(Consolidated)	Ludhiana
Impact assessment and evaluation of Central Sector Schemes like Central Sheep Breeding Farm, Hisar, Central Poultry Development Organizations	Pune
Relationship between wholesale prices, retail prices, export prices (FOB), prices realized by farmers and details of contributing factors for the price difference for Onion in Maharashtra.	Pune
Impact of National Food Security Mission (NFSM) on Input use, Production, Productivity and Income, for Wheat in Himachal Pradesh.	Shimla
Marketing of Milk & Milk Products.	Shimla
Relationship between wholesale prices, retail prices, export prices (FOB), prices realized by farmers and details of contributing factors for the price difference for Onion in Gujarat.	V.V. Nagar
Evaluation and Assessment of economic losses on account of inadequate Post Harvest Infrastructure Facilities for Fisheries Sector in Gujarat.	V.V. Nagar
Adoption of recommended doses of fertilizer on soil test basis by farmers in West Bengal.	Visva Bharati
Impact of National Food Security Mission (NFSM) on Input use, Production, Productivity and Income in West Bengal.	Visva Bharati
Estimation of pre and post harvest losses in paddy and red gram crops - Andhra Pradesh.	Vishakhapatnam

(Contd.)

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The Studies conducted by the Agro-Economic Research Centres can be accessed/downloaded through the following links:

S. No.	AERC/ AERU	Hyperlink
(1)	(2)	(3)
1	Institute of Economic Growth, University Enclave, Delhi	<a href="http://iegindia.org/AERU-Studies">http://iegindia.org/AERU-Studies</a>
2	IIM-Ahmedabad	<a href="http://iimahd.ernet.in/faculty-and-research/research-centers/cma/reports">http://iimahd.ernet.in/faculty-and-research/research-centers/cma/reports</a>
3	Institute of Social and Economic Change, Bengaluru	<a href="http://www.isec.ac.in/adrtc-projects.htm#projects-completed">http://www.isec.ac.in/adrtc-projects.htm#projects-completed</a>
4	AERC, University of Allahabad	<a href="http://www.allduniv.ac.in/index.php?option=com_k2&amp;view=itemlist&amp;layout=category&amp;task=category&amp;cid=291&amp;Itemid=1857">http://www.allduniv.ac.in/index.php?option=com_k2&amp;view=itemlist&amp;layout=category&amp;task=category&amp;cid=291&amp;Itemid=1857</a>
5	AERC, Tilka Manjhi, Bhagalpur University	<a href="http://www.aercbhagalpur.org/">http://www.aercbhagalpur.org/</a>
6	AERC, University of Madras	<a href="http://www.unom.ac.in/index.php?route=academic/aerc">http://www.unom.ac.in/index.php?route=academic/aerc</a>
7	AERC, University of Delhi	<a href="http://www.du.ac.in/du/index.php?page=agricultural-economics-research-centre">http://www.du.ac.in/du/index.php?page=agricultural-economics-research-centre</a>
8	AERC, Jawaharlal Nehru Krishi Vishwa Vidyalaya, Jabalpur	<a href="http://aerc.jnkv.org/aerc/AERC_Home.aspx">http://aerc.jnkv.org/aerc/AERC_Home.aspx</a>
9	AERC, Assam Agriculture University, Jorhat	<a href="http://14.139.222.145/classified/agro_econ_2012_3.html">http://14.139.222.145/classified/agro_econ_2012_3.html</a>
10	AERC, Ludhiana	<a href="http://www.aercpau.com/">http://www.aercpau.com/</a>
11	AERC, Pune	<a href="http://gipe.ac.in/AERC/">http://gipe.ac.in/AERC/</a>
12	AERC, Himachal Pradesh University, Shimla	<a href="http://aercshimla.in/">http://aercshimla.in/</a>
13	AERC, S.P. University, Vallabh Vidyanagar	<a href="http://spuvvn.edu/academics/academic_centres/agro_economic_centre/research_studies/">http://spuvvn.edu/academics/academic_centres/agro_economic_centre/research_studies/</a>
14	AERC, Waltair, Andhra Pradesh	<a href="http://www.andhrauniversity.edu.in/arts/agroeconomic/research.html">http://www.andhrauniversity.edu.in/arts/agroeconomic/research.html</a>
15	AERC, Visva-Bharati, Santiniketan	<a href="http://www.visva-bharati.ac.in/InstitutionsCentresSchools/Contents/AERC-DETAIL/AERC-REPORTS.htm">http://www.visva-bharati.ac.in/InstitutionsCentresSchools/Contents/AERC-DETAIL/AERC-REPORTS.htm</a>



## **Appendices**

## **Appendix-I**

### **Explanatory Note**

#### **Advance Estimates**

The estimates of area, production and yield rates for 2015-16 are “Advance Estimates” as on 02-08-2016 and are based on deliberations held in weekly inter-disciplinary meetings of Crop Weather Watch Group, availability of water in important reservoirs in the country, availability/supply of important inputs including credit to farmers community, feedback received from states etc. These estimates are “advance” in the sense that these have been prepared in advance of availability of results of CCE (Crop Cutting Experiments) and are subject to revision as more precise information flows from states to DES.

#### **Yield**

Yield rate is defined as production per unit of area. However, yield rates of various crops given in this publication may not exactly tally with the ratio of production to the corresponding area because figures of area and production of various crops have been generally rounded off in ten thousands.

#### **Principal Crops**

Principal Crops as referred to in this publication include only those crops which are covered for preparation of index numbers. The details of these crops are given in Appendix II.

#### **Estimation Procedure for Non-Availability of Data for 2015-16**

The index numbers of area, production and yield rate for 2014-15 (from where growth rates have been derived) are based on advance estimates of principal crops as on 02-08-2016. However, there are a number of ‘non-forecast’ crops such as plantation crops and spices for which no advance estimates for 2015-16 (or for that matter any year) are prepared. In such cases, the estimates of area and production for the previous years are repeated for the purpose of index numbers.

## **Nine Oilseeds**

Wherever “Nine oilseeds” is mentioned in this publication, it includes Castor seed, Groundnut, Linseed, Nigerseed, Safflower, Sesamum, Soyabean, Sunflower and Rapeseed & Mustard.

## **Total Oilseeds**

Total oilseeds include cottonseed and coconut besides nine oilseeds mentioned in the above paragraph.

## **Net Availability of Foodgrains**

The Net availability of foodgrains is defined as, where

$$\text{NAF} = \text{GP} - \text{SFW} - e + i + s$$

NAF = Net availability of Foodgrains

GP = Gross Production of Foodgrains

SFW = Seed, feed and wastages of Foodgrains

e = Exports of Foodgrains

i = Imports of Foodgrains

s = Change in Stocks of Foodgrains

To work out per capita net availability of foodgrains in terms of kg. per year, NAF is divided by the estimated population for a particular year. When this is further divided by the number of days in a year i.e. 365 days, it gives net availability of foodgrains per day.

## **Appendix-II**

### **Methodology of Index Numbers of Area, Production and Yield**

#### **Base Year**

The Directorate of Economics and Statistics (DES) had adopted Triennium Ending (T.E.) 1981-82 as base year for the purpose of Index Numbers of Area, Production and Yield in Agriculture until 1999-2000. In 2000-2001, it was decided to adopt T.E. 1993-94 as a way of updating the base to a recent year and keep it in harmony with the other series of indices such as Index of Industrial Production, Wholesale Price Index and the series of National Accounts Statistics. Since area and production in agriculture can fluctuate a great deal from year to year, the average of area/ production over the TE 1993-94 was taken as the base year.

It was observed that the base year 1993-94 currently in use for construction of index numbers of Area, Production and Yield of crops has become outdated and stressed on the need for updating of the base year at regular intervals preferably in consonance with the base year revisions of other important indices.

As the period 2005-06 to 2007-08 remained normal from agriculture point of view and the price data available with CSO was for the year 2006-07 which could be used as mid period price for assessment of contribution in value terms for preparation of weighting diagram, it has been considered appropriate to take more recent base, i.e., (TE 2007-08 = 100) as the base for agricultural indices.

### Weighting Diagram

The weight of a commodity for the production index is taken as the average production of the commodity in the TE 2007-08 and the national average price of the commodity during 2006-07 as obtained from the National Accounts Statistics. This has been done to fix the base production at its average level by eliminating the cyclical variation and to evaluate the production with the same price for all states in view of wide variations observed in the state prices.

### Methodology

Let	$a_{ij}$	- the area under $i^{\text{th}}$ crop in the $j^{\text{th}}$ year.
	$a_{io}$	- the area under $i^{\text{th}}$ crop in base year period.
	$p_{ij}$	- production of $i^{\text{th}}$ crop in the $j^{\text{th}}$ year.
	$p_{io}$	- production of $i^{\text{th}}$ crop in base year period.
	$w_i$	- weight of $i^{\text{th}}$ crop.

For the the year  $j$ , individual crop indices are calculated as below :

$$(a) \text{ Index number of area} = \frac{a_{ij}}{a_{io}} \times 100 = IA_{ij}$$

$$(b) \text{ Index number of production} = \frac{p_{ij}}{p_{io}} \times 100 = IP_i^j$$

$$(c) \text{ Index number of yield} = \frac{IP_{ij}}{IA_{ij}} \times 100$$

For any sub-group  $G$  of commodities, the indices for the year  $j$  are calculated as below:

$$(a) \text{ Index number of area} = \frac{\sum_{i \in G} w_i IA_{ij}}{\sum_{i \in G} w_i}$$

$$(b) \text{ Index number of production} = \frac{\sum_{i \in G} w_i IP_{ij}}{\sum_{i \in G} w_i}$$

$$(c) \text{ Index number of yield} = \frac{\text{Index number of production} \times 100}{\text{Index number of area}}$$

## Appendix-III

### Glossary of English, Botanical and Hindi Names of Important Crops

Crop/ Group of Crops	English	Botanical	Hindi
(1)	(2)	(3)	(4)
<b>Cereals</b>	Bara (Bulrush or spiked millet)	Pennisetum Typhoides	Bajra
	Barley	Hordeum vulgare	Jau
	Barnyard millet	Echinochloa frumentacea	Kutki
	Cholam (Great Millet)	Sorghum bicolor	Jowar
	Common Millet	Panicum milliaceum	Cheena
	Little Millet	Penicum milliare	Sawan
	Italian foxtail Millet	Setarisaiatalica	Kangani
	Kodo Millet	Paspalum scrobiculatum	Koden
	Maize or Indian corn	Zea mays	Makka
	Oat	Avena sativa	Jaie
	Ragi	Eleusine coracana	Mundua
	Paddy (Rice)	Oryza sativa	Dhan (Chawal)
	Wheat	Triticum acstivum	Gehun
<b>Pulses and Beans</b>	Black gram	Vignamungo	Urad
	Chickpea (Bengal gram)	Cicer arietinum	Chana
	Chicking vetch	Lathyrus sativus	Khesari
	Cluster Bean	Cyamopiss tetragonoloba	Guar
	Cowpea	Vigna unguiculate	Lobia
	Green Gram	Vigna radiata	Mung
	Horsegram	Dilichos biflorus	Kulthi
	Kidney bean	Vigna aconitifolia	Moth
	Lentil	Lens culimaris	Masur
	Peas	Pisum sativum vararvense	Matar
	Red gram (Pigion pea)	Cajanus cajan	Tur,Arhar
	Soyabean	Glucine max	Soyabean
<b>Sugar</b>	Sugarcane	Saccharum Officinarum	Ganna

(Contd.)

## Appendix-III : (Contd.)

Crop/ Group of Crops	English	Botanical	Hindi
(1)	(2)	(3)	(4)
<b>Fruits</b>	Apple	Malus sylvestris	Seb
	Apricot	Prunus armeniaca	Khoobani
	Cashewnut	Anaardium occidentale	Kaju
	Fig	Ficus carica	Anjeer
	Grape	Vitis vinifera	Angur
	Guvava	Psidium guajava	Amrood
	Jackfruit	Artocarpus heterophyllus	Katahal
	Lemon	Citrus Lemon	Nimbu
	Lime	Citrus Urantifolia	Bara Nimbu
	Litchi	Litchi chinensis	Litchi
	Mango	Magnifera indica	Aam
	Orange Mandar	Citrus reticulata	Santara, Narangi
	Papaya	Carica papaya	Papeeta
	Pear	Pyrus communis	Naspati
	Pineapple	Ananas comosus	Ananas
	Banana	Musa paradisiaca	Kela
	Pomegranate	Punica granatum	Anaar
	Sweet Orange	Citrus sincensis	Malta, Mosambi
<b>Vegetables</b>	Ash gourd	Benincasa hispida	Petha
	Beet	Beta vulgaris	Chukandar
	Bitter gourd	Momordica charantia	Karela
	Bottle gourd	Lagenaria siceraria	Lauki
	Brinjal	Lolanum melongena	Baingan
	Cabbage	Brassica oleracca var, Capitata	Band gobi
	Carrot	Daucus carota	Gajar
	Cauliflower	Brassica oleracca var Botrytis	Phul gobi
	Cowpea	Vigna unguiculate	Lobia
	Cucumber	Cucumis satius	Kheera
	French bean	Phaseolus vulgaris	Faras bean
	Indian flat bean or sem	Dolichos lablab	Sem
	Kaol Khol	Brassica oleracea var, Gongylodes	Ganth gobi
	Lady's finger	Abelmoschus esculentus	Bhindi
	Little gourd	Cuccinia cordifolia	Kundur
	Musk melon	Cucumis melo	Kharbooza
	Onion	Allium cepa	Piyaz
	Pointed gourd	Trichosanthes dioica	Parwal, Potal
	Potato	Solanum tuberosum	Aaloo
	Pumpkin	Curcubita moschata	Sitaphal, Lal Kaddu, Kumbhra
	Radish	Raphanus satius	Muli
	Round gourd of India	Citrullus vulgaris var,	Tinda

(Contd.)

*(Contd.)*

Crop/ Group of Crops	English	Botanical	Hindi
(1)	(2)	(3)	(4)
	Snap melon	fistulosus Cucumis melovvar, momordica	Phoot
	Snake gourd	Trichosanthes anguina	Chachinda
	Tomato	Lycopersicon escen lentum	Tamatar
	Turnip	Brassica rapa	Shalgam
	Water melon	Citrullus vulgaris	Tarbooz

**Drugs and Narcotics**

Betal Leave		Paan
Betalnut (arecanut)	Areca catechu	Supari
Indian hemp	Cannabis sativa	Bhang
Opium	Papaver somniferum	Afeem
Tobacco	Nicotiana tabacum and Nicotiana rustica	Tambaku

**Condiments and Spices**

Black pepper	Piper nigrum	Kalimirch
Cardamom, Cardamum (lesser)	Elettaria cardamomum	Chhoti Ilaichi
Chillies	Capsicum annum	Lalmirch



**Appendix-IV**  
**Crop Calendar of Major Crops**

States/UTs	Period		Kharif Paddy	Rabi Paddy	Summer Paddy		Kharif Bajra	Rabi Bajra		Summer Bajra	Rabi Wheat
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Andhra Pradesh	Sowing	May-June	Nov-Dec	March-April	Jun-Jul	Nov (M)-Dec (M)	Jan				
	Harvesting	Nov-Dec	Mar-April	July-Aug	Sept-Oct	Feb-March	April				
Assam	Sowing	Feb-March	June-July	Nov-Dec							Nov(B)-Dec(M)
	Harvesting	June-July	Nov-Dec	May-June							Mar(E)-Apr(E)
Bihar	Sowing	June-Aug	Oct-Nov	Feb-March							Nov(B)-Dec(E)
	Harvesting	Sept-Nov	April-May	July-Aug							Mar(E)-Apr(E)
Goa	Sowing	May-June									
	Harvesting	Sept-Oct.									
Gujarat	Sowing	June-July			Jun(M)-Jul(M)	Oct (E)-Oct (M)	Feb(M)-Mar(E)				Nov(B)-Dec(B)
	Harvesting	Oct-Nov			Sept(M)-Oct(M)	Feb (E)-Feb (M)	May(M)-June(E)				Feb(E)-Mar(E)
Haryana	Sowing	June-July			Jul(E)-Jul(M)						Oct(E)-Jan(M)
	Harvesting	Sept-Oct.			Sept(E)-Sept(L)						Apr(B)-May(B)
Himachal Pradesh	Sowing	May-June									Oct(B)-Dec(E)
	Harvesting	October									Apr(M)-Jun(E)
Jammu & Kashmir	Sowing	April-May									Oct(B)-Dec(E)
	Harvesting	Sept-Oct.									Apr(E)-Jun(E)
Karnataka	Sowing	May-June	Sept-Oct.	Jan.-Feb.	Jun(L)-Jun(M)		Jan(E)-Jan (M)				Oct(M)-Nov(E)
	Harvesting	Sept-Oct.	Jan.-Feb	May-June	Sept(L)-Oct(M)		Apr(L)-May(E)				Feb(B)-Mar(E)
Kerala	Sowing	April-May	Sept-Oct.	Dec-Jan.							
	Harvesting	Sept-Oct.	Dec-Jan.	March-April							

(Contd.)

Appendix IV (Contd.)

States/UTs	Period	Kharif Paddy	Rabi Paddy	Summer Paddy	Kharif Bajra	Rabi Bajra	Summer Bajra	Rabi Wheat
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Madhya Pradesh	Sowing	June-July			Jul(E)-Jul(L)		Feb(L)-Mar(E)	Nov(B)-Dec(E)
	Harvesting	Oct-Nov			Oct(E)-Oct(L)		Jun(E)-June(M)	Feb(E)-Apr(M)
Maharashtra	Sowing	June-July			Jun(L)-Jul(E)		Jan(L)-Feb (E)	Nov(M)-Dec(E)
	Harvesting	Oct-Nov			Sep(L)-Oct(E)		May(E)-May(M)	Feb(B)-Mar(E)
Odisha	Sowing	May-June	June-July	Dec-Jan.				Oct-Nov
	Harvesting	Sept-Oct.	Nov-Dec	April-May				Mar-Apr
Punjab	Sowing	May-July			Jul(M)-Aug (E)			Oct(E)-Jan(M)
	Harvesting	Oct-Nov			Oct(M)-Oct(L)			Apr(M)-May(B)
Rajasthan	Sowing	June-July			Jun(L)-Jul(M)		Feb(M)-Mar(E)	Oct(E)-Dec(E)
	Harvesting	Oct-Nov			Sep(L)-Oct(M)		May(L)-June(M)	Mar(B)-April(E)
Tamil nadu	Sowing	May-June	Sept-Oct.	Jan.-Feb.	Jun(M)-Jul(M)	Sept (M)- Oct (M)	Feb (M)-Mar (M)	
	Harvesting	Sept-Oct.	Jan.-Feb	May-June	Sep(M)-Oct(M)	Dec (M)- Jan (M)	May (M)-June (M)	
Telangana	Sowing	June-July	Nov-Dec		March-April			
	Harvesting	Nov-Dec	Mar-April		July-Aug			
Uttar Pradesh	Sowing	June-July	Nov-Dec		Jul(E)-Jul(M)		Mar (E)-Mar (M)	Oct(E)-Jan(E)
	Harvesting	Oct-Nov	April-May		Oct(E)-Oct(M)		May (L)-June (E)	Mar(M)-Apr(E)
West Bengal	Sowing	April-July		Nov-Dec				Nov(B)-Dec(E)
	Harvesting	Aug-Nov		April-May				Mar(B)-Apr(B)
All India	Sowing	May-Aug	Dec-Jan.		Jun-Jul		Jan-Feb	Oct-Dec
	Harvesting	Sep-Jan	April-May		Sep-Nov		Apr-May	Feb-Jun

(Contd.)

## Appendix-IV (contd.)

States	Period	Early duration Arhar/Tur	Mid early duration Arhar/Tur	Medium duration Arhar/Tur	Long duration Arhar/Tur
(1)	(2)	(3)	(4)	(5)	(6)
Andhra Pradesh	Sowing	June(M)-June (E)	July (B)-July (M)	July (B)-July (M)	-
	Harvesting	Nov (M)- Nov (E)	Dec (M)- Dec(E)	Jan (B) - Jan (M)	-
Karnataka	Sowing	June(M)-June (E)	July (B)-July (M)	July (B)-July (M)	-
	Harvesting	Nov (M)- Nov (E)	Dec (M)- Dec(E)	Jan (B) - Jan (M)	-
Maharashtra	Sowing	June(M)-June (E)	July (B)-July (M)	July (B)-July (M)	-
	Harvesting	Nov (M)- Nov (E)	Dec (M)- Dec(E)	Jan (B) - Jan (M)	-
Rajasthan	Sowing	June(B)-June (M)	-	-	-
	Harvesting	Nov (B)-Nov(M)	-	-	-
Uttar Pradesh	Sowing	June(B)-June (M)	-	-	Jul(B)-July(M)
	Harvesting	Nov.(B) – Nov(M)	-	-	April(B)- April(M)
Tamil Nadu	Sowing	June(B)-June (M)	July (B)-July (M)	July (B)-July (M)	-
	Harvesting	Nov. (B)- Nov (M)	Dec (M)- Dec(E)	Jan (B) - Jan (M)	-
Gujarat	Sowing	June(M)-June (E)	July (B)-July (M)	July (B)-July (M)	-
	Harvesting	Nov (M) - Nov(E)	Dec(M)-Dec (E)	Jan (B) - Jan (M)	-
Bihar	Sowing	June(B)-June (M)	-	-	Jul(B)-July(M)
	Harvesting	Nov.(B) – Nov(M)	-	-	April(M)- April(E)
Madhya Pradesh	Sowing	June(M)-June (E)	June (M)- July (M)	July (B)-July (M)	-
	Harvesting	Nov(M)-Nov (M)	Nov (E)- Dec(E)	Jan (B) - Jan (M)	-
Uttarakhand	Sowing	June(B)-June (M)	-	-	-
	Harvesting	Nov. (M)- Nov(E)	-	-	-
Odisha	Sowing	June(B)-June (M)	-	June (E)-July (M)	-
	Harvesting	Nov. (M) - Nov(E)	-	Jan (B) - Jan (M)	-
Haryana	Sowing	June(B)-June (M)	-	-	-
	Harvesting	Oct (M)- Oct(E)	-	-	-
Punjab	Sowing	June(B)-June (M)	-	-	-
	Harvesting	Oct (M)- Oct(E)	-	-	-
Jharkhand	Sowing	June(B)-June (M)	-	June (E)-July (M)	July (B)- July (M)
	Harvesting	Nov (M)- Nov(E)	-	Jan (B) - Jan (M)	March(M)- April(B)
Chhattisgarh	Sowing	June(B)-June (M)	-	June (E)-July (M)	-
	Harvesting	Nov(B)-Nov (M)	-	Dec (E) - Jan (M)	-
Tripura	Sowing	June(B)-June (M)	-	-	-
	Harvesting	<b>Nov. (B)- Nov(M)</b>	-	-	-
Nagaland	Sowing	June(B)-June (M)	-	-	-
	Harvesting	Nov (B)- Nov(M)	-	-	-
<b>All India</b>	<b>Sowing</b>	<b>June(B)-June (M)</b>	<b>June(M)- July (M)</b>	<b>July (B)- July (M)</b>	<b>July (B)- July (M)</b>
	Harvesting	Nov (B)- Nov(M)	Nov(M)-Dec (E)	Dec (E)-Jan (M)	March(M)- April(E)

(Contd.)

Appendix IV (Contd.)

States/UTs	Period	Kharif Mungbean/ Urdbean	Rabi Mungbean/ Urdbean	Spring/Summer Mungbean/ Urdbean	Horsegram Kharif	Chickpea Rabi
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Andhra Pradesh	Sowing	Jun(M) –Jul(E) Sept(M) –Oct(M)	Oct(B)-Nov(B) Jan(B)-Feb(B)	Jan(B) -Feb(B) Mar(B)-April(M)		Nov(B)-Nov(E) Feb(M)-Mar(B)
Assam	Sowing	July(B) – Aug(E) Sep(M)-Oct(E)	Aug(B)-Sep(M) Nov(B) –Dec(M)	Feb(E)-Mar(M) May(B)-May(M)		Oct (M) – Nov (M) March (B)-March (E)
Bihar	Sowing	July(B) – Aug(E) Sep(M)-Oct(E)		Feb(E)-April(B) May(B)-June(M)	Aug (M)-Aug(E) Oct(E)-Nov(B)	Oct (M) – Nov (M) March (B)-March (E)
Chhattisgarh	Sowing	Jun-Jul Sep-Sep				Oct (B) – Oct (E) Feb (E) – March (E)
Gujarat	Sowing	July(B) – Aug(E) Sep(M)-Oct(E)				Oct (B) – Nov (M) Feb (M) – March (E)
Haryana	Sowing	July(B) – Aug(E) Sep(M)-Oct(E)		Feb(E)-April(B) May(B)-June(M)		Oct (M) – Nov (E) March (M) – April (B)
Jharkhand	Sowing	Jul(B)-Aug(E) Sep(M)-Oct(E)		Feb(E)-April(B) May(B)-June(M)		Oct(M) – Nov(M) Mar (M) – Apr (M)
Karnataka	Sowing	Jun(M) –Jul(E) Sept(M) –Oct(M)	Oct(B)-Nov(B) Jan(B)-Feb(B)	Jan(B) -Feb(B) Mar(B)-April(M)	Aug (E) Oct(M)-Nov(B)	Oct (B) – Nov (E) Jan (M) – Feb (E)
Kerala	Sowing	Jun(M) –Jul(E) Sept(M) –Oct(M)		Jan(B) -Feb(B) Mar(B)-April(M)		
Madhya Pradesh	Sowing	Jun(M) –Jul(E) Sept(M) –Oct(M)			August (E) Oct (E)	Oct (B) – Nov (B) Feb (M) – March (E)
Maharashtra	Sowing	Jun(M) –Jul(E) Sept(M) –Oct(M)			Jul(M) Oct(M)	Sept (E) – Oct. (E) Feb (M) – March (E)
Odisha	Sowing	Jun(M) –Jul(E) Sept(M) –Oct(M)	Oct(B)-Nov(B) Jan(B)-Feb(B)	Jan(B) -Feb(B) Mar(B)-April(M)		

(Contd.)

Appendix IV (Contd.)

States/UTs	Period	Kharif Mungbean/ Urdbean	Rabi Mungbean/ Urdbean	Spring/Summer Mungbean/ Urdbean	Horsegram Kharif	Chickpea Rabi
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Punjab	Sowing	July(B) – Aug(E) Sep(M)-Oct(E)		Feb(E)-Mar(M) May(B)-May(M)		Oct. (M) – Nov. (E) March (M) - April (E)
Rajasthan	Sowing	July(B) – Aug(E) Sep(M)-Oct(E)			Jul (M) Oct (M)	Oct. (M) – Nov. (E) March (M) - April (E)
Tripura	Sowing	July(B) – Aug(E) Sep(M)-Oct(E)		Feb(E)-April(B) May(B)-June(M)		
Tamil Nadu	Sowing	Jun(M) –Jul(E) Sept(M) –Oct(M)	Oct(B)-Nov(B) Jan(B)-Feb(B)	Feb(E)-April(B) May(B)-June(M)	Oct(E) Feb(B)	
Uttar Pradesh	Sowing	July(B) – Aug(E) Sep(M)-Oct(E)		Feb(E)-April(B) May(B)-June(M)		Oct. (M) – Nov. (E) March (M) - April (E)
West Bengal	Sowing	July(B) – Aug(E) Sep(M)-Oct(E)		Feb(E)-April(B) May(B)-June(M)		Oct. (M) – Nov. (E) March (B)- March (E)
Himachal Pradesh	Sowing	July(B) – Aug(E) Sep(M)-Oct(E)	-		Jun(M)-Jul(E) Sep(E)-Oct(M)	
Manipur	Sowing	Harvesting				Sept– Oct Mar - Apr
Meghalaya	Sowing	Harvesting				Sep(B)-Oct(E) Dec(B)-Jan(E)

(Contd.)

Appendix IV (Contd.)

State	Period	Kharif-Soybean	Niger(Kharif)	Niger(Late Kharif)
(1)	(2)	(3)	(4)	(5)
Madhya Pradesh	Sowing	June(M)- July(M)	June(M) - July(E)	Aug(B)- Sept(B)
	Harvesting	Sept(E)- Oct(B)	Oct(L)- Nov(L)	Nov(B)-Dec(B)
Maharashtra	Sowing	June(M)- July(M)	June(B) - July(E)	Aug(B)- Sept(B)
	Harvesting	Sept(E)- Oct(B)	Oct(M)- Dec(E)	Nov(B)-Dec(B)
Rajasthan	Sowing	June(E)- July(M)		
	Harvesting	Sept(E)- Oct(B)		
Karnataka	Sowing	June(M) - July(B)	June(B) - July(E)	Aug(B)- Sept(B)
	Harvesting	Sept(E)- Oct(B)	Oct(M)- Nov(M)	Nov(B)-Dec(B)
Andhra Pradesh	Sowing	June(M)- July(M)	June(B) - July(E)	Aug(B)- Sept(B)
	Harvesting	Sept(E)- Oct(B)	Oct(L)- Nov(L)	Nov(B)-Dec(B)
Chhattisgarh	Sowing	June(M)- July(M)	June(M) - July(E)	
	Harvesting	Sept(E)- Oct(B)	Oct(L)- Nov(L)	
Uttar Pradesh	Sowing	June(E)- July(M)		
	Harvesting	Sept(E)- Oct(B)		
Manipur	Sowing	June- July		
	Harvesting	Sept(E)- Oct(B)		
Meghalaya	Sowing	June - July		
	Harvesting	Sept(E)- Oct(B)		
West Bengal	Sowing	June(M)- July(M)		
	Harvesting	Sept(E)- Oct(B)		
Odisha	Sowing	June(M)- July(M)	June(B) - July(E)	Aug(B)- Sept(B)
	Harvesting	Sept(E)- Oct(M)	Oct(L)- Nov(L)	Nov(B)-Dec(B)
Bihar / Jharkhand	Sowing	June(M)- July(M)	June(B) - July(E)	Aug(B)- Sept(B)
	Harvesting	Sept(E)- Oct(M)	Oct(L)- Dec(M)	Nov(B)-Dec(B)
Gujarat	Sowing	June(M)- July(M)	June(B) - July(E)	Aug(B)- Sept(B)
	Harvesting	Sept(E)- Oct(M)	Oct(M)- Nov(L)	Nov(B)-Dec(B)

(Contd.)

Appendix IV (Contd.)

States/UTs	Period	Rabi Gram	Rabi Lentil	Rabi Pea
(1)	(2)	(3)	(4)	(5)
Andhra Pradesh	Sowing Harvesting	Nov (B)-Nov (E) Feb (M)-Mar (B)		
Assam	Sowing Harvesting	Oct(M)- Nov(M) Mar(B)-Mar (E)	Oct(M) – Nov(M) Mar(M)-Apr(M)	Oct(M) – Nov(M) Mar(M)-April(M)
Bihar	Sowing Harvesting	Oct(M)- Nov(M) Mar(B)-Mar (E)	Oct(M) – Nov(M) Mar(M)-Apr(M)	Oct(M) – Nov(M) Mar(M)-April(M)
Chhattisgarh	Sowing Harvesting	Oct(M)- Oct(E) Feb(E)-Mar (E)	Oct(M) – Nov(M) Mar(M)-Apr(M)	Oct(M) – Nov(M) Mar(M)-Apr(M)
Goa	Sowing Harvesting		Dec(B)-Jan(E) Mar(B)-May(E)	
Jharkhand	Sowing Harvesting	Oct(M)- Nov(M) Mar(B)-Mar(M)	Oct(M) – Nov(M) Mar(M)-Apr(M)	Oct(M) – Nov(M) Mar(M)-Apr(M)
Rajasthan	Sowing Harvesting	Oct(M)- Nov(E) Mar(M)-Apr (E)	Oct(E) – Nov(M) Mar(B)-Apr(M)	Oct(E) – Nov(M) Mar(B)-Apr(M)
Tripura	Sowing Harvesting		Oct(E) – Nov(B) Mar(B)-Apr(M)	Oct(E) – Nov(M) Mar(B)-Apr(M)
Gujarat	Sowing Harvesting	Oct(B)-Nov(M) Feb(M)-Mar(M)	Oct(M) – Nov(M) Mar(M)-Apr(M)	Oct(M) – Nov(M) Mar(M)-Apr(M)
Haryana	Sowing Harvesting	Oct(M)-Nov (E) Mar(M)-Apr(B)	Oct(M) – Nov(M) Mar(M)-Apr(M)	Oct(M) – Nov(M) Mar(M)-Apr(M)
Karnataka	Sowing Harvesting	Oct(B)-Nov(E) Jan(M)-Feb(E)		
Madhya Pradesh	Sowing Harvesting	Oct(B)-Nov(B) Feb(M)-Mar (E)	Oct(E) – Nov(M) Mar(B)-Apr(M)	Oct(E) – Nov(M) Mar(B)-Apr(M)

(Contd.)

Appendix IV (Contd.)

States/UTs	Period	Rabi Gram	Rabi Lentil	Rabi Pea
(1)	(2)	(3)	(4)	(5)
Maharashtra	Sowing Harvesting	Sep(E)-Oct(E) Feb(M)-Mar(E)		
Manipur	Sowing Harvesting	Sept-Oct Mar-Apr		
Meghalaya	Sowing Harvesting	Sep(B)-Oct(E) Dec(B)-Jan(E)	Sep(B)-Oct(E) Feb(B)-Mar (M)	
Punjab	Sowing Harvesting	Oct(M)-Nov (E) Mar(M)-Apr(E )	Oct(M) – Nov(M) Mar(M)-Apr(M)	Oct(M) – Nov(M) Mar(M)-Apr(M)
Uttar Pradesh	Sowing Harvesting	Oct(M)-Nov(E) Mar(M)-Apr(E)	Oct(M) – Nov(M) Mar(M)-Apr(M)	Oct(M) – Nov(M) Mar(M)-Apr(M)
West Bengal	Sowing Harvesting	Oct(M)-Nov(E) Mar(B)-Mar(E)	Oct(M) – Nov(M) Mar(M)-Apr(M)	Oct(M) – Nov(M) Mar(M)-Apr(M)

(Contd.)



## Appendix IV (Contd.)

States	Period	Groundnut		
		Kharif	Rabi	Summer/ Spring
(1)	(2)	(3)	(4)	(5)
Andhra Pradesh	Sowing	Jun(B)-Aug(B)	Nov(M)-Jan(E)	
	Harvesting	Oct(B)-Nov(E)	Feb(E)-May(B)	
Assam	Sowing		July(B)-Aug(E)	
	Harvesting		Nov(B)-Dec(E)	
Bihar	Sowing			
	Harvesting			
Chhattisgarh	Sowing	Jun(M)-Jul(E)		
	Harvesting	Sep(M)-Nov(B)		
Gujarat	Sowing	Jun(B)-July(E)		Jan(B)-Feb(E)
	Harvesting	Sep(B)-Nov(E)		Apr(B)-May(E)
Haryana	Sowing			
	Harvesting			
Jammu & Kashmir	Sowing			
	Harvesting			
Jharkhand	Sowing	Jun(M)-Aug(B)		
	Harvesting	Oct(B)-Nov(E)		
Karnataka	Sowing	Jun(B)-Jul(E)	Nov(M)-Jan(E)	Dec(B)-Jan(E)
	Harvesting	Oct(B) – Nov(E)	Feb(E)-May(B)	Mar(B)-June(E)
Madhya Pradesh	Harvesting	Jun(M)-July(E)		
		Oct(B)-Nov-(M)		
Maharashtra	Sowing	Jun(E)-Jul(E)		Jan(B)-Feb(E)
	Harvesting	Oct(B)-Nov(B)		Apr(B)-May(E)
Odisha	Sowing	Jul(B)-Jul(E)	Sep(E)-Oct(B)	Jan(B)-Feb(E)
	Harvesting	Oct(E)-Nov(B)	Jan(B)	Apr(B)-May(E)
Punjab	Sowing	May(B)-Jun(E)		Mar (B) - Mar (E)
	Harvesting	Oct(B)-Nov(E)		June(M)- June(E)
Manipur	Sowing	May(B)-Jun(E)		
	Harvesting	Oct(B)-Nov(E)		
Rajasthan	Sowing	Jun(B)-Jul(E)		Jan(M)-Feb(M)
	Harvesting	Oct(B)-Nov(E)		May (M) May(E)
Tamil Nadu	Sowing	Jun(B)-Jul(B)	Sep(E)-Oct(B)	Jan(B)-Feb(E)
	Harvesting	Sep(B)-Oct(B)	Jan(B)	Apr(B)-May(E)
Uttar Pradesh	Sowing	Jul(B)-Jul(E)		
	Harvesting	Oct(B)-Nov(B)		
West Bengal	Sowing	Jun(E)-Jul(B)	Oct(E)-Nov(B)	Feb(B)-Mar(E)
	Harvesting	Sep(E)-Oct(B)	Jan(E)-Mar(B)	May(B)-Jun(E)
Puducherry	Sowing	Jun(B)-Jul(E)	Dec(B)-Jan(E)	
	Harvesting	Sep(B)-Oct(E)	Mar(B)-Apr(E)	
<b>All India</b>	Sowing	Jun-Jul	Nov-Jan	Jan-Feb
	Harvesting	Oct-Nov	Feb-May	Apr-May

(Contd.)

## Appendix IV (Contd.)

States	Period	Rabi Linseed
(1)	(2)	(3)
Assam	Sowing	Oct (B) - Nov (B)
	Harvesting	Mar (E) - Apr (L)
Andhra Pradesh	Sowing	Oct (B)- Oct (E)
	Harvesting	Feb (L)-Mar (L)
Bihar	Sowing	Oct (B)- Nov (B)
	Harvesting	Mar (E)- Apr (L)
Madhya Pradesh	Sowing	Oct (B)- Nov (M)
	Harvesting	Mar (E)-Mar (L)
Chhattisgarh	Sowing	Oct (B)- Nov (M)
	Harvesting	Mar (E)-Mar (L)
Maharashtra	Sowing	Oct (B)-Oct (E)
	Harvesting	Mar (E)-Mar (L)
Uttar Pradesh	Sowing	Oct (B) - Nov (B)
	Harvesting	Mar (E) - Apr (L)
Odisha	Sowing	Oct (B)-Oct (E)
	Harvesting	Mar (E)-Mar (L)
Jharkhand	Sowing	Oct (B) - Nov (B)
	Harvesting	Mar (E) - Apr (L)
Karnataka	Sowing	Oct (B)-Oct (E)
	Harvesting	Feb (E)-Mar (M)
Nagaland	Sowing	Oct (B)- Nov (B)
	Harvesting	Mar (E) - Apr (L)
West Bengal	Sowing	Oct (B) - Nov (B)
	Harvesting	Mar (E) - Apr (M)
Rajasthan	Sowing	Oct (B)-Oct (E)
	Harvesting	Mar (E)-Mar(L)
Himachal Pradesh	Sowing	Oct (B)- Nov(B)
	Harvesting	Apr (L) -May (M)
Jammu & Kashmir	Sowing	Oct (B)- Nov (B)
	Harvesting	Apr (L) - May (M)
Punjab	Sowing	Oct (M) -Nov (M)
	Harvesting	Mar (L) - Apr (L)

(Contd.)

Appendix IV (Contd.)

States		Period		Kharif		Pre Rabi		Sesame		Summer	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Andhra Pradesh	Sowing	June (M)-July (M)	Aug (B) - Sept (M)	Jan (M) - Feb (E)	Apr (M) - May (E)	Jan (M) - Feb (E)	Apr (M) - May (E)	Jan (M) - Feb (E)	Apr (M) - May (E)	Jan (M) - Feb (E)	Apr (M) - May (E)
	Harvesting	Oct (M) - Nov (M)	Dec (E) - Jan (M)								
Karnataka	Sowing	June (M)-July (M)	Aug (B) - Sept (M)	Jan (M) - Feb (E)	Apr (M) - May (E)	Jan (M) - Feb (E)	Apr (M) - May (E)	Jan (M) - Feb (E)	Apr (M) - May (E)	Jan (M) - Feb (E)	Apr (M) - May (E)
	Harvesting	Oct (M) - Nov (M)									
Kerala	Sowing	June (M)-July (M)	Aug (B) - Sept (M)	Jan (M) - Feb (E)	Apr (M) - May (E)	Jan (M) - Feb (E)	Apr (M) - May (E)	Jan (M) - Feb (E)	Apr (M) - May (E)	Jan (M) - Feb (E)	Apr (M) - May (E)
	Harvesting	Oct (M) - Nov (M)									
Madhya Pradesh	Sowing	June (M)-July (M)	Aug (B) - Sept (M)	Jan (M) - Feb (E)	Apr (M) - May (E)	Jan (M) - Feb (E)	Apr (M) - May (E)	Jan (M) - Feb (E)	Apr (M) - May (E)	Jan (M) - Feb (E)	Apr (M) - May (E)
	Harvesting	Oct (M) - Nov (M)									
Maharashtra	Sowing	June (M)-July (M)	Aug (B) - Sept (M)	Jan (M) - Feb (E)	Apr (M) - May (E)	Jan (M) - Feb (E)	Apr (M) - May (E)	Jan (M) - Feb (E)	Apr (M) - May (E)	Jan (M) - Feb (E)	Apr (M) - May (E)
	Harvesting	Oct (M) - Nov (M)									
Odisha	Sowing	June (B)-July (E)	Oct (B) - Nov (M)	Feb (M) - Mar (E)	May (M) - June (M)	Jan (M) - Feb (E)	Apr (M) - May (E)	Jan (M) - Feb (E)	Apr (M) - May (E)	Jan (M) - Feb (E)	Apr (M) - May (E)
	Harvesting	Oct (M) - Nov (M)									
Rajasthan	Sowing	June (B)-July (E)	Oct (B) - Nov (M)	Feb (M) - Mar (E)	May (M) - June (M)	Jan (M) - Feb (E)	Apr (M) - May (E)	Jan (M) - Feb (E)	Apr (M) - May (E)	Jan (M) - Feb (E)	Apr (M) - May (E)
	Harvesting	Oct (M) - Nov (M)									
Uttar Pradesh	Sowing	June (B)-July (E)	Oct (B) - Nov (M)	Feb (M) - Mar (E)	May (M) - June (M)	Jan (M) - Feb (E)	Apr (M) - May (E)	Jan (M) - Feb (E)	Apr (M) - May (E)	Jan (M) - Feb (E)	Apr (M) - May (E)
	Harvesting	Oct (M) - Nov (M)									
West Bengal	Sowing	June (M)-July (M)	Aug (B) - Sept (M)	Jan (M) - Feb (E)	Apr (M) - May (E)	Jan (M) - Feb (E)	Apr (M) - May (E)	Jan (M) - Feb (E)	Apr (M) - May (E)	Jan (M) - Feb (E)	Apr (M) - May (E)
	Harvesting	Oct (M) - Nov (M)									
Gujarat	Sowing	June (M)-July (M)	Aug (B) - Sept (M)	Jan (M) - Feb (E)	Apr (M) - May (E)	Jan (M) - Feb (E)	Apr (M) - May (E)	Jan (M) - Feb (E)	Apr (M) - May (E)	Jan (M) - Feb (E)	Apr (M) - May (E)
	Harvesting	Oct (M) - Nov (M)									
Tamil Nadu	Sowing	June (M)-July (M)	Aug (B) - Sept (M)	Jan (M) - Feb (E)	Apr (M) - May (E)	Jan (M) - Feb (E)	Apr (M) - May (E)	Jan (M) - Feb (E)	Apr (M) - May (E)	Jan (M) - Feb (E)	Apr (M) - May (E)
	Harvesting	Oct (M) - Nov (M)									
Telangana	Sowing	June (M)-July (M)	Aug (B) - Sept (M)	Jan (M) - Feb (E)	Apr (M) - May (E)	Jan (M) - Feb (E)	Apr (M) - May (E)	Jan (M) - Feb (E)	Apr (M) - May (E)	Jan (M) - Feb (E)	Apr (M) - May (E)
	Harvesting	Oct (M) - Nov (M)									
All India	Sowing	June (M)-July (M)	Aug (B) - Sept (M)	Jan (M) - Feb (E)	Apr (M) - May (E)	Jan (M) - Feb (E)	Apr (M) - May (E)	Jan (M) - Feb (E)	Apr (M) - May (E)	Jan (M) - Feb (E)	Apr (M) - May (E)
	Harvesting	Sep-Nov									

(Contd.)

Appendix IV (Contd.)

States	Period	Kharif	Sunflower Rabi	Summer/ Spring	Castor Kharif	Safflower Rabi
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Andhra Pradesh	Sowing Harvesting	Jun(B)-Aug(E) Sep - Nov	Oct Jan		Jun-Jul Dec-Jan	October Feb
Assam	Sowing Harvesting					
Bihar	Sowing Harvesting		Dec-Jan Apr-May			
Chhattisgarh	Sowing Harvesting				Jul Feb	
Gujarat	Sowing Harvesting				Jul-Aug Jan-Feb	
Haryana	Sowing Harvesting			Feb-Mar May	Jul-Aug Jan-Feb	
Jammu & Kashmir	Sowing Harvesting					
Jharkhand	Sowing Harvesting					
Karnataka	Sowing Harvesting	Jun(B)-Aug(E) Sep - Nov	Oct Jan	Dec-Jan Mar-Apr	Jul-Aug Nov-Dec	October Feb
Madhya Pradesh	Sowing Harvesting					
Maharashtra	Sowing Harvesting	Jul(B)-Aug(E) Oct - Nov	Oct Jan		Jun-Jul Dec-Jan	Sep-Oct Jan-Feb
Odisha	Sowing Harvesting				Jun-Jul Dec-Jan	

(Contd.)

Appendix IV (Contd.)

States	Period	Kharif	Sunflower Rabi	Summer/ Spring	Castor Kharif	Safflower Rabi
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Punjab	Sowing Harvesting			Feb Apr-May		
Rajasthan	Sowing Harvesting				Jul-Aug Jan-Feb	
Tamil Nadu	Sowing Harvesting	Jun(B)-Aug(E) Sep - Nov	Oct Jan		Jun-Jul Dec-Jan	
Telangana	Sowing Harvesting	Jun(B)-Aug(E) Sep - Nov			Jun-Jul Dec-Jan	October Feb
Uttar Pradesh	Sowing Harvesting					
West Bengal	Sowing Harvesting			Feb Apr-May		
All India	Sowing Harvesting	Jun-Aug Sep-Nov	Oct Jan	Feb Apr-May	Jul-Aug Jan-Feb	October Feb

(Contd.)

## Appendix IV (Contd.)

State	Rapeseed-Mustard	Sowing Time	Harvesting Time
(1)	(2)	(3)	(4)
Andhra Pradesh	Mustard/ Banarasi rai	Nov (L)- Dec (E)	Feb-March
Assam	Toria/Mustard	Oct (M) - Dec (E)	Feb-March
Bihar	Mustard	Oct (E) - Oct (M)	Feb-March
	Toria	Sep (M)- Sep(L)	Jan-Feb
	Yellow Sarson	Oct (E)-Oct (M)	Feb-March
Chhattisgarh	Mustard	Oct (E)- Nov(M)	March
	Toria	Sep (L)	Dec-Jan
Delhi	Mustard	Oct (L)- Nov(E)	Feb-March
	Toria	Sep (L)	Jan
	Taramira	Nov(E)	March
Gujarat	Mustard	Oct(L)	Feb-March
	Yellow Sarson	Oct (L)	Feb
Haryana	Mustard	Oct (E)- Nov (E )	Feb-March
	Toria	Sep (E)	Dec-Jan
	Taramira	Nov(E)	March
Himachal Pradesh	Mustard	Oct (L)- Nov (L)	March-April
	Toria	Sep (E )-Sep (M)	Dec-Jan
	Brown Sarson	Oct (E) -Oct-(M)	April
Jammu & Kashmir	Gobhi Sarson	Sep (M) - Nov (L)	April
	Mustard	Oct(M)- Nov (E)	March-April
	Brown sarson	Oct (E )-Oct (L)	April-May
Jharkhand	Mustard	Oct (L)	March
	Toria	Sept (M)-Sep (L)	Jan-Feb
	Yellow Sarson	Oct (E)	Feb-March
Karnataka	Mustard	Oct (E)-Oct (L)	Feb
Madhya Pradesh	Mustard	Sep (L)-Nov (L)	Feb-March
	Toria	Sep (E)-Sept (M)	Dec-Jan
Manipur	Mustard	Nov (E)-(Nov (L)	March
	Toria	Oct (E)	Feb-March
Maharashtra	Mustard	Oct (M)- Nov (M)	Feb-March
Odisha	Mustard	Oct (M)- Nov (M)	Feb-March
	Toria	Oct (E) -Oct-(M)	Feb
	Yellow Sarson	Oct (E)	Feb-March
Punjab	Mustard	Oct (M)- Nov (L)	March- April
	Toria	Sep (E)-Sept (M)	Dec-Jan
	Taramira	Oct (E)-Oct(L)	March
	Gobhi Sarson	Oct (M)- Nov (M)	March-April
	Karan rai	Oct (M)- Nov (L)	March-April
Rajasthan	Mustard	Sep (M) - Oct (L)	Feb-March
	Taramira	Sep (L)- Oct (M)	March
Uttarakhand	Mustard/ Karan rai	Oct (L)- Nov (L)	March
	Toria	Sep (L)	Dec-Jan
	Yellow Sarson	Oct (E)	March
Uttar Pradesh	Mustard	Oct (E)-Oct (L)	Feb-March
	Toria	Sep (E)-Sept (M)	Dec-Jan
	Yellow Sarson	Oct (E)-Oct(L)	Feb-March
West Bengal	Mustard	Oct (M)-Nov(L)	Feb-March
	Toria	Sep (L)- Nov (M)	Feb
	Yellow Sarson	Oct (M)- Nov (M)	Feb-March

(Contd.)

## Appendix IV (Contd.)

States/UTs	Period	Kharif	Kharif	Rabi	Spring Maize
		Cotton	Maize	Maize	
(1)	(2)	(3)	(4)	(5)	(6)
Andhra Pradesh	Sowing	Jun(E)-Jul(E)	Jun(M)-Jul(M)	Oct(E)-Jan(M)	
	Harvesting	Dec(E)-Mar(M)	Sep(M)-Oct(E)	Feb(E)-May(B)	
Bihar	Sowing	July(B)	Jun(M)-Jul(B)	Nov(B)-Dec(E)	Feb(B)-Feb(E)
	Harvesting	Oct(M)-Nov(M)	Oct(M)-Nov(M)	Feb(B)-Mar(B)	May(B)-May(E)
Gujarat	Sowing	May(B)-May(E)	Jun(E)-Jul(B)		
	Harvesting	Oct(B)-Apr(E)	Sep(B)-Nov(B)		
Haryana	Sowing	Apr(B)-Apr(M)	Jul(B)-Jul(M)		
	Harvesting	Oct(M)-Nov(M)	Oct(M)-Oct(E)		
Himachal Pradesh	Sowing		May(M)-Jun(E)		
	Harvesting		Sep(M)-Oct(M)		
Jammu	Sowing		Jun(E)-Jul(E)		
	Harvesting		Oct(M)-Nov(B)		
Kashmir	Sowing		May(B)-May(E)		
	Harvesting		Oct(B)-Oct(E)		
Karnataka	Sowing		May(M)-Jun(E)	Oct(B)-Oct(E)	
	Harvesting		Sep(B)-Oct(E)	Feb(B)-Mar(E)	
Kerala	Sowing	Jun(B)-Oct(E)			
	Harvesting	Dec(B)-Mar(E)			
Madhya Pradesh	Sowing	Jun-Jul	Jun(M)-Jul(E)		
	Harvesting	Nov-Jan	Aug(M)-Nov(E)		
Maharashtra	Sowing	Jun-July	Jul(B)-Aug(E)		
	Harvesting	Nov-Jan	Oct(B)-Nov(E)		
Odisha	Sowing	Jun-July	Jun-Jul		
	Harvesting	Nov-Jan	Sep-Oct		
Punjab	Sowing	Apr(B)-Mar(E)	May(B)-Jun(E)		Feb(B)-Feb(E)
	Harvesting	Oct(B)-Dec(E)	Sep(B)-Oct(E)		May(B)-May(E)
Rajasthan	Sowing	Apr(B)-May(E)	Jun(E)-Jul(M)		
	Harvesting	Nov(B)-Dec(E)	Oct(B)-Nov(E)		
Uttar Pradesh	Sowing	Apr(B)-Jun(E)	Jun(M)-Jul(M)		Feb(B)-Feb(E)
	Harvesting	Sep(B)-Nov(E)	Sep(M)-Oct(M)		May(B)-May(E)
West Bengal	Sowing	Oct(B)-Nov(E)	May(E)-Jun(E)	Nov(B)-Nov(E)	Feb(B)-Feb(E)
	Harvesting	June(B)-Aug(E)	Sep(M)-Oct(M)	Mar(B)-Mar(E)	May(B)-May(E)
Tamil Nadu	Sowing	Aug-Sept	Jun(E)-Jul(M)	Sep(E)-Oct(E)	Jan(E) - Feb (E)
	Harvesting	Feb(B)-April(E)	Oct(M)-Oct(E)	Jan(B)-Jan(E)	May (B) - May (E)
All India	Sowing	Apr-Jul	May-Aug	Sep-Jan	Jan(E) - Feb (E)
	Harvesting	Sep-Dec	Sep-Nov	Jan-May	May (B) - May (E)

(Contd.)

## Appendix IV (Contd.)

States/UTs	Period	Sugarcane		Jute
		Kharif	Rabi	Kharif
(1)	(2)	(3)	(4)	(5)
Andhra Pradesh	Sowing		Dec(E)-Jun(M)	
	Harvesting		Dec(E)-May(M)	
Assam	Sowing		Mar(B)-Apr(E)	
	Harvesting		Dec(B)-Jan(E)	
Bihar	Sowing	Oct(B)-Nov(E)	Feb(B)-Mar(E)	
	Harvesting	Oct(B)-Dec(E)	Nov(B)-Feb(E)	
Haryana	Sowing		Feb(M)-Mar(M)	
	Harvesting		Dec(M)-March(E)	
Karnataka	Sowing		Dec(B)-Mar(E)*	
	Harvesting		Aug(B)-May(E)	
Kerala	Sowing		Dec(B)-Jan(E)***	Jun(B)-Oct(E)
	Harvesting		Dec(B)-Jan(E)	Oct(B)-Jan(E)
Madhya Pradesh	Sowing	Oct(B)-Apr(E)		
	Harvesting	Oct(E)-Mar(E)		
Maharashtra	Sowing	Jul(B)-Aug(E)		
	Harvesting	Oct(B)-Nov(E)		
Manipur	Sowing			Feb-Mar
	Harvesting			Aug-Sep
Odisha	Sowing		Feb-May	May-Jun
	Harvesting		Nov-Feb	Aug-Sep
Punjab	Sowing		Feb(B)-Mar(E)	
	Harvesting		Nov(B)-Feb(E)	
Rajasthan	Sowing		Mar(B)-Apr(E)	
	Harvesting		Dec(B)-Mar(E)	
Tamil Nadu	Sowing	Jun(B)-Aug(E)	Dec(B)-Jan(E)***	
	Harvesting	May(B)-Aug(E)	Dec(B)-Jan(E)	
Tripura	Sowing		Feb-May	Mar-May
	Harvesting		Dec-Mar	Aug-Sep
West Bengal	Sowing	Oct(B)-Apr(E)		Mar(B)-May(E)
	Harvesting	Oct(B)-Mar(E)		Jul(B)-Aug(E)
<b>All India</b>	Sowing	Jun(B)-Oct(E)	Feb(B)-Aug(E)	Feb-Jun
	Harvesting	Oct(B)-Jan(E)	Aug(B)-Nov(E)	Aug-Oct
B: Beginning	E: Early	M: Middle	L: Late	

Source: Indian Council of Agricultural Research (Crop Science Division)

\*=Annual; \*\*Early Kharif; \*\*\*Early sugarcane



Appendix-V  
Harvesting Season of Major Fruits

State / Uts (1)	Mango (2)	Apple (3)	Banana (4)	Lime/Lemon (5)	Grapes (6)
Andhra Pradesh	April - may	*	round the year	Oct. - Dec.	March-April
Arunachal Pradesh	*	Oct.	round the year	round the year	*
Assam	Jun. - Aug.	*	round the year	June - Sep.	*
Bihar	June - July	*	Sept. -Nov.	*	*
Chhattisgarh	April - June	*	Feb-March.& July-Sep.	March-April & July-Aug.	*
Delhi	*	*	*	*	*
Goa	*	*	round the year	*	*
Gujarat	May	*	Sept. -Nov.	Sep.-oct.	*
Haryana	July	*	*	Dec.	June
Himanchal Pradesh	July	Aug - Sep.	July - Aug.	Nov.-Jan.	July
Jammu & Kashmir	July	Sep. - Oct.	*	Nov.-Dec.	June - July
Jharkhand	May - June	*	Sept. -Nov.	Sep. -Dec.	*
Karnataka	April - June	*	July-Nov.	July-Sep.	*
Kerala	Feb. - March	*	Aug-Sept. & Nov.-Dec.	*	*
Madhya Pradesh	May-June	*	July - Aug.	July-Sep.	March-April
Maharashtra	April - may	*	round the year	March-April	March & May
Manipur	*	*	August	Dec.	*
Meghalaya	*	*	June	*	*
Mizoram	July	*	Feb	Aug	Oct.

(Contd.)

Appendix V (Contd.)

State / Uts	Mango (2)	Apple (3)	Banana (4)	Lime/Lemon (5)	Grapes (6)
Nagaland	July	*	round the year	*	*
Odisha	April - June	*	Sep. to Dec.	Aug-Sep.	*
Punjab	June	*	*	round the year	May-June
Rajasthan	June	*	*	Aug	June
Sikkim	June	*	Sep-Oct.	*	*
Tamil Nadu	May-June	*	round the year	Feb. - March	May & Nov.
Tripura	June	*	round the year	June - July	*
Uttar Pradesh	June	*	Aug-Sep.	Dec.	June
Uttarakhand	June-Aug	July - Aug.	May-Aug.	May-July &	*
				Nov-Dec.	
West Bengal	June-July	*	Aug-Sep.	Sep.	*
Andaman & Nicobar	Jan. - April	*	Jan.-March &	*	*
			Oct.-Dec.	*	
Chandigarh	*	*	*	*	*
D & N Haveli	May	*	Sep-Nov.	*	*
Daman & Diu	May	*	Sep-Nov.	*	*
Lakshadweep	*	*	round the year	*	*
Puducherry	June-July	*	Aug.	Jan.	*

Source: Indian Horticulture Database -2014.

\* Information not available.

# **Appendix-VI** **Harvesting Season of Major Vegetables**

State/UT (1)	Potato (2)	Onion (3)	Tomato (4)	Cabbage (5)	Cauliflower (6)
Andhra Pradesh	April - June	April & June Sep.-Nov.	round the year	Nov. & Jan.	Nov. & Jan.
Arunachal Pradesh	*	*	*	*	*
Assam	Dec. - Jan.	Dec. - Feb.	Dec.-Feb.	Jan.-Feb.	Nov. - Feb.
Bihar	Jan.-Feb.	March-April	Jan.-Feb.	Nov. - Feb.	Dec.-Feb.
Chhattisgarh	Jan. - Mar.	March-April	Aug.-Feb.	Aug.-Feb.	Aug.-Feb.
Delhi	*	*	*	*	*
Goa	*	*	*	*	*
Gujarat	Jan.	Feb.	Dec. - Mar.	Dec.-Feb.	Dec.-Feb.
Haryana	Feb.-Mar.	April & Dec.	April-Oct.	Jan.	Jan.
Himanchal Pradesh	May-June & Aug.-Nov.	May-June	May-Aug.	Sep.-Dec. & Feb.	Dec.-Feb. & Aug.-Oct.
Jammu & Kashmir	April & July	May-June	April	Oct.-April	Oct. - April
Jharkhand	Dec.-Feb.	March. - April.	Feb.& Dec.	Nov. - Dec.	Oct. - Dec..
Karnataka	Feb.-March & Sep.-Oct.	April - June & Sep.-Oct.	May-July	round the year	round the year
Kerala	*	*	*	*	*
Madhya Pradesh	Feb. - March	March. - April.	Oct. & Dec.-Feb.	Jan.-Feb.	Jan.-Feb.
Maharashtra	Mar. - May.	April	round the year	Jan.-Feb.	*
Manipur	Dec. - Jan.	*	July-Aug	July-Aug	Oct. -Jan.
Meghalaya	April	Dec.	April	Aug.	Oct.
Mizoram	Sep.	March	Aug.	Dec.	*
Nagaland	Feb.	Oct.	*	Feb.	March

(Contd.)

Appendix VI (Contd.)

State/UT	Potato	Onion	Tomato	Cabbage	Cauliflower
(1)	(2)	(3)	(4)	(5)	(6)
Odisha	Feb. - March	Feb. -April	Jan.-March	Dec. - Mar.	Nov. - Feb.
Punjab	Dec.- Jan.	April	May	Dec. - Mar.	Dec.-Jan.
Rajasthan	Jan.-Feb.	April & Nov.	Nov.Dec.	Dec.	Jan.
Sikkim	June -Aug.	Feb. - March	June-Sep.	June-Oct.	Nov. - March.
Tamil Nadu	round the year	Aug. & Nov.	round the year	May& Dec.	Feb. & Dec.
Tripura	*	*	*	*	*
Uttar Pradesh	Mar. - April.	March	Feb.	Jan.	Jan.
Uttarakhand	July-Aug & Oct-Dec.	May	Nov-Jan.& May-June	Nov-Aug.	Nov. - Feb.& July-Aug.
West Bengal	March	April	Jan. - Feb.	Nov-Feb.	Dec. - Jan.
Andaman & Nicobar	*	*	Oct-March & June - July	Nov-Jan.	Nov. - Jan.
Chandigarh	*	*	*	*	*
D & N Haveli	Jan.	Feb.	Dec-Feb.	Dec- Feb.	Dec. - Feb.
Daman & Diu	Jan.	*	Dec-Feb.	Dec- Feb.	Dec. - Feb.
Lakshadweep	*	*	*	*	*
Puducherry	April & July	April & Nov.	*	*	*

Source: Indian Horticulture Database -2014.

\* Information not available.

## Appendix-VII

## Seed Rate of sowing for important field crops

(Kg/Ha)

Crop	Variety Seed Rate	Hybrid Seed Rate
(1)	(2)	(3)
<b>Cereals</b>		
Rice	25-40	12-15 for normal planting 5 under SRI planting
Wheat	100	
Barley	100	
Sorghum	Grain Rabi 8-10; Grain Kharif 10	7.5
Pearl Millet	4-5	4-5
Maize	Normal field corn 18-20 Fodder 30-40	20
Ragi	10-12.5	10-12.5
<b>Pulses</b>		
Pigeon pea	Early duration 17-19 Medium duration 15-17 Long duration 12-15	
Chickpea (Large seeded)	75-100	
Chickpea Desi (small seeded)	65-75	
Chickpea Kabuli	100-120	
Mungbean	Kharif-20, Rabi 25-30, Summer 20-30	
Urdbean	Kharif-20, Rabi 25-30, Summer 20-30	
Fieldpea	80-100	
Lentil	50-60	
Rajmash	75-100	
Mothbean	15-18	
Kulthi	22-30	
<b>Oilseeds</b>		
Groundnut	140-160	
Rapeseed & M	3-5	3.5
Soybean	65-75	
Sunflower	5	5
Sesame	5	
Niger	5	
Safflower	7	
Linseed	30 for seed type 45 for dual purpose type	
Castor	5	5

(Contd.)

## Appendix VII (Contd.)

Crop	Variety Seed Rate	Hybrid Seed Rate
(1)	(2)	(3)
<b>Forage crops</b>		
Sorghum	25 in small seeded varieties; 40 in bold seeded varieties	
Maize	40-50	
Guar	20-30	
Pearl Millet	20-12	
Oats	80 (small), 100 (Bold)	
Berseem	20-25	
Gobhi Sarson	4	
Lucerne	15	
<b>Fibre Crops</b>		
Cotton	10-12	Bt. Cotton - 2.25 Non-Bt. Cotton 10
Jute	6 (olitorius), 7 (capsularis)	
Sunhemp	25	
Mesta	12 (Rosella), 15 (Kenaf)	
<b>Sugar Crops</b>		
Sugarcane	60 qtls. (40,000 sets of 3 buds in sub tropics) (20,000-25000 sets of 3 buds in tropics)	-

Source: Indian Council of Agricultural Research (ICAR)



*Agricultural Statistics at a Glance*, a flagship publication of the Ministry of Agriculture and Farmers Welfare, provides the most comprehensive coverage of developments in the agriculture and allied sector over the years. In addition to the updated data on crop production and productivity, agricultural inputs, price support and procurement, domestic and international trade, rainfall, credit and insurance, etc., the 2016 edition of the publication has been enriched with the progress on the recent initiatives by the Government, including Pradhan Mantri Fasal Bima Yojana, Soil Health Card, Micro Irrigation, Cold Storage Infrastructure, among others.

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