



AGRICULTURAL STATISTICS AT A GLANCE 2019



Government of India
Ministry of Agriculture and Farmers Welfare
Department of Agriculture Cooperation and Farmers Welfare
Directorate of Economics and Statistics



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

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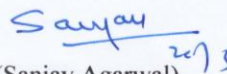
MESSAGE

Timely availability of granular agricultural statistics is the key to robust evidence-based planning and policy making. 'Agricultural Statistics at a Glance' published by the Directorate of Economics & Statistics has emerged as one of the most trusted sources of information on agriculture and allied sector. Its comprehensive coverage on various important facets of Indian agriculture makes it a much sought after and valued publication of the Ministry. Crop production and productivity across States, growth and investment in agriculture, cost of production, minimum support prices, terms of trade, land-use statistics, agricultural inputs including seeds, fertilizer, etc., are some of the important agricultural data this publication brings out.

The Directorate of Economics & Statistics has been making sincere efforts to increase the relevance of this publication by adding information on emerging areas of concern and relevance for the agriculture sector. This issue of the publication has been enriched with the results of latest Livestock Census 2019, Agriculture Census 2015-16 (Phase-I) and updated information on major recent initiatives by the Government, viz., coverage under Pradhan Mantri Fasal Bima Yojana (PMFBY), Soil Health Card, Micro Irrigation, Cold Chain infrastructure, etc. A separate statement on 'Key Agriculture Statistics' has also been added in the edition to give a snapshot of agriculture sector in India. For ease of the users, this publication is also being simultaneously released on our websites: www.agricoop.nic.in and eands.dacnet.nic.in

I compliment Shri P.C. Bodh, Adviser, Dr. Ramesh Yadav, Assistant Economic Adviser, Shri Ashutosh Sharma, Economic Officer and their team members for their efforts in bringing out this voluminous work in record time.

I am sure policy makers, academicians, research organizations, agri-business community, and all other stakeholders would find this edition useful. I look forward to the comments for further value addition.


(Sanjay Agarwal)

March 20, 2020

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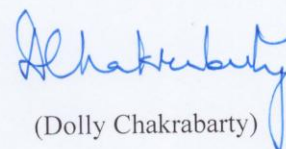
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PREFACE

‘Agricultural Statistics at a Glance’ is a flagship publication of the Directorate of Economics and Statistics. It provides an exhaustive and updated data on important parameters, like 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 updated with the latest information on all the above aspects and also includes information on new areas of concern in agriculture sector. For wider accessibility, a soft copy of the publication has also been uploaded at our websites: www.agricoop.nic.in & eands.dacnet.nic.in.

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


(Dolly Chakrabarty)

20 March, 2020

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Acronyms

AAV	Antyodaya Anna Yojana
AE	Advance Estimate
AIBP	Accelerated Irrigation Benefit Programme
AMI	Agricultural Marketing Infrastructure
APL	Above Poverty Line
BE	Budget Estimate
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 Soybean Oil
CES	Crop Estimation Surveys
CIF	Cost, Insurance & Freight
CIP	Central Issue Price
CMA	Centre for Management in Agriculture, IIM-Ahmedabad
CPI	Consumer Price Index
CPIS	Coconut Palm Insurance Scheme
CSO	Central Statistics Office
CWC	Central Warehousing Corporation
CWC	Central Water Commission
CWWG	Crop Weather Watch Group
DAC&FW	Department of Agriculture, Cooperation & Farmers Welfare
DAHDF	Department of Animal Husbandry, Dairying and Fisheries
DAP	Di Ammonium Phosphate
DARE	Department of Agricultural Research and Education
DES	Directorate of Economics and Statistics
DFPD	Department of Food & Public Distribution
DGCI&S	Directorate General of Commercial Intelligence & Statistics
DMI	Directorate of Marketing and Inspection
DMS	Delhi Milk Scheme
E	Estimated
EARAS	Establishment of an Agency for Reporting of Agricultural Statistics
ERFS	Extended Range Forecast System
F2	Black Soil
FAO	Food and Agriculture Organisation of the United Nations
FAOSTAT	FAO Statistics
FAQ	Fair Average Quality
FASAL	Forecasting Agricultural Output using Space, Agro-Meteorology and Land Based Observations
FCI	Food Corporation of India
FDI	Foreign Direct Investment
FFB	Fresh Fruit Bunch
FL	Family Labour
FOD	Field Operations Division of NSO
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
GSVA	Gross State Value Added
H-4/H-6	Cotton variety (of Long Staple Length)
Ha	Hectares
HLCC	High Level Coordination Committee
HYV	High Yielding Varieties
I	Irrigated
IAS	Improvement of Agricultural Statistics
IASRI	Indian Agricultural Statistics Research Institute
ICAR	Indian Council of Agricultural Research
ICS	Improvement of Crop Statistics
IEG	Institute of Economic Growth
IIP	Index of Industrial Production
IMD	India Meteorological Department
ISOPOM	Integrated Scheme of Oilseeds, Pulses, Oilpalm and Maize
ISRO	Indian Space Research Organization
K	Potash
KCC	Kisan Credit Card
Kgs	Kilograms
KMPH	Kilometers Per Hour
KWH	Kilo Watt Hour
LPA	Long Period Average
LPCPD	Litres Per Capita Per Day
LS	Light Soil
MIS	Market Intervention Scheme
MNAIS	Modified National Agricultural Insurance Scheme
MNCFC	Mahalanobis National Crop Forecast Centre
MOFPI	Ministry of Food Processing Industries
MRP	Mixed Reference Period
MSCCGMF	Maharashtra State Co-operative Cotton Growers Marketing Federation
MSP	Minimum Support Price
MSR	Marketed Surplus Ratio
N	Nitrogen
N,P&K	Nitrogen, Phosphate and Potash
NA	Not Available/Not Announced
NAFED	National Agricultural Co-operative Marketing Federation of India Limited
NAIS	National Agricultural Insurance Scheme
NC	Not Collected
NCAER	National Council of Applied Economic Research
NCMRWF	National Centre for Medium Range Weather Forecast
NDDB	National Dairy Development Board
Neg.	Negligible
NFSA	National Food Security Act
NFSM-OP	National Food Security Mission – Oilpalm
NHB	National Horticulture Board
NHM	National Horticulture Mission
NMOOP	National Mission on Oilseeds and Oilpalm
NNP	Net National Product
NQ	Not Quoted
NR	Not Recommended / Not Reported
NRSC	National Remote Sensing Centre
NS	New Series Estimates
NSA	Net Sown Area

NSO	National Statistical Office
NSSO	National Sample Survey Organisation
OECD	Organisation of Economic Cooperation and Development
OPAE	Oilpalm Area Expansion Programmes
OPDP	Oil Palm Development Programme
P	Provisional/ Phosphate
PACS	Primary Agricultural Credit Society
PDS	Public Distribution System
PHH	Priority Households
PLDB	Primary Land Development Bank
PM-AASHA	Pradhan Mantri – Annadata Aay Sanrakshan Abhiyan
PMFBY	Pradhan Mantri Fasal Bima Yojana
PMKSY	Pradhan Mantri Krishi Sinchayee Yojana
PSE	Producers Support Estimate
PSEs	Public Sector Enterprises
PSF	Price Stabilization Fund
PSS	Price Support Scheme
QE	Quick Estimate
R	Revised
R&D	Research & Development
R&M	Rapeseed & Mustard
RBI	Reserve Bank of India
RE	Revised Estimates
RGI	Registrar General of India
RKVY	Rashtriya Krishi Vikas Yojana
RMC	Regional Ministers Conference
RRBB	Regional Rural Bank Branch
RWBCIS	Restructured Weather Based Crop Insurance Scheme
SAC	Space Application Centre
SASA	State Agricultural Statistical Authority
SCB	State Cooperative Bank
SDP	State Domestic Product
SFAC	Small Farmers Agri-Business Consortium
SHC	Soil Health Card
SLDB	State Land Development Bank
SRS	Sample Registration Scheme
SSP	Single Super Phosphate
SWC	State Warehousing Corporation
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
TRS	Timely Reporting Scheme
TT	Tentative Targets
UI	Un-irrigated
URP	Uniform Reference Period
UT	Union Territory
WBCIS	Weather Based Crop Insurance Scheme
WPI	Wholesale Price Index
WTO	World Trade Organisation

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 ²	100 hectares (ha)
1 km ²	0.3861 square mile
1 km ²	247.105 acres
1 m ²	10.7639 square feet
1 ha	10,000 m ²
1 ha	2.4711 acres
1 square mile	2.591 km ²
1 acre	0.4047 ha
1 acre	4046.86 m ²
1 acre	4840 square yard
1 square yard	9 square feet
1 square yard	0.8361 m ²
1 square foot	0.0929 m ²

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

Key Agricultural Statistics at a Glance- All India

S.No.	Indicator	Year	Unit	Value
Land Use Indicators				
1	Geographical Area	2015-16	Million Hectares	328.73
2	Reported Area for Land Utilization Statistics	2015-16	Million Hectares	307.75
3	Area under Forest	2015-16	Million Hectares	71.87
4	Percentage of Area under Forest to Reported Area	2015-16	-	23.35%
5	Gross Cropped Area	2015-16	Million Hectares	197.05
6	Percentage of Gross Cropped Area to reported area	2015-16	-	64.03%
7	Net Area Sown	2015-16	Million Hectares	139.51
8	Percentage of Net Area Sown to Reported Area	2015-16	-	45.33%
9	Area sown more than once	2015-16	Million Hectares	57.55
10	Cropping Intensity (%)	2015-16	-	141.25%
11	Net Irrigated Area	2015-16	Million Hectares	67.30
	a) By canals	2015-16	Million Hectares (%)	15.18 (22.55%)
	b) Tube-wells	2015-16	Million Hectares (%)	32.16 (47.79%)
12	Gross Irrigated Area	2015-16	Million Hectares	96.62
13	Intensity of Irrigation	2015-16	-	143.57%
Production & Procurement Indicators				
14	Foodgrains Production (as per 4th Advance Estimates)	2018-19	Million Tonnes	284.95
	(a) Kharif	2018-19	Million Tonnes	141.71
	(b) Rabi	2018-19	Million Tonnes	143.24
15	Horticulture Production (as per 3rd Advance Estimates)	2018-19	Million Tonnes	313.85
16	Milk Production	2018-19	Million Tonnes	187.75
17	Meat Production	2018-19	Lakh Tonnes	81.14
18	Livestock Population as per 20 th Livestock Census	2019	Million Numbers	535.82
19	Fish Production	2018-19	Lakh Tonnes	134.22
20	Procurement			
	(a) Rice- for Kharif Marketing Season 2018-19	2018-19	Lakh Tonnes	443.31
	(b) Wheat- for Rabi Marketing Season 2019-20	2019-20	Lakh Tonnes	341.31
	(c) Nutri/Coarse Grains	2018-19	'000 Tonnes	205.16
	(d) Pulses Procurement under PSS	2018-19	Lakh Tonnes	41.75
	(e) Oilseeds Procurement under PSS	2018-19	Lakh Tonnes	16.16
	(f) Cotton	2018-19	Lakh Bales	11.22
	(g) Copra	2018-19	'000 Tonnes	0.00
	(h) Jute	2018-19	Lakh Bales	0.73
Macro Economic Indicators				
21	GVA - Agriculture and Allied Sector at constant (2011-12) prices	2018-19	Rs. Crore	1872339
22	Growth Rate of GVA in Agri and Allied sector at Constant (2011-12) Prices	2018-19	-	2.4%
23	Share of Agri & Allied sector in Total GVA at Current Prices	2018-19	-	17.1%
24	Value of Total Agricultural Exports	2018-19	Rs. Crore	274571
25	Percentage Share of Value of Agricultural Exports to National Exports	2018-19	-	11.90%
26	Value of Total Agricultural Imports	2018-19	Rs Crore	137019
27	Percentage Share of Value of Agricultural Imports to National Imports	2018-19	-	3.81%
Employment Indicators				
28	Total Number of Cultivators as per Census 2011	2011	Million	118.8
29	Total Number of Agricultural Laborers as per Census 2011	2011	Million	144.3
30	Percentage share of Agricultural Workers (Cultivators and Agricultural Laborers) in Total Workforce as per Population Census 2011	2011	-	54.6%
31	Total No. of Operational Holdings as per Agriculture Census 2015-16	2015-16	Lakh	1464.54
	a) Marginal Holdings (upto 1 hectare)	2015-16	Lakh (% share)	1002.51 (68.45%)
	b) Small Holdings (1-2 hectare)	2015-16	Lakh (% share)	258.09 (17.62%)
	c) Others (Above 2 hectare)	2015-16	Lakh (% share)	203.92 (13.93%)

Source: DES, DGCI&S, DFPD, RGI and NSO

1

Methodology of Crop Estimation

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. As per the latest National Accounts Statistics, during 2017-18 these crops together account for about 58 per cent of the Gross Value Added of the agriculture and allied sector (at constant prices). 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 18 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, Telangana, 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 Statistical Office (NSO) 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, NSO 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. NSO regularly brought out its annual publication entitled "Consolidated Results of Crop Estimation Surveys on Principal Crops".

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 **2015-16** are given in **Table 1.1**

Table1.1: Experiments Planned under GCES during 2015-16

Crop Type/Crop	No. of Experiments Planned		
	Kharif	Rabi	Total
1. Food Crops			
Paddy	276872	29909	306781
Wheat	-	281467	281467
Jowar	25104	18505	43609
Bajra	54268	1720	55988
Maize	60559	6018	66577
Ragi	12063	1742	13805
Barley	-	6906	6906
Gram	-	47995	47995
Sugarcane*	26273	374	26647
Other Crops	133604	84396	218000
Total	588743	479032	1067775
2. Non-Food Crops			
Groundnut	27811	9792	37603
Sesamum	23123	4330	27453
Castor	3988	-	3988
Rape & Mustard	-	53793	53793
Linseed	-	2197	2197
Cotton	21474	-	21474
Jute	3952	-	3952
Mesta	698	-	698
Other Crops	21902	11278	33180
Total	102948	81390	184338
Total (1+2)	691691	560422	1232113

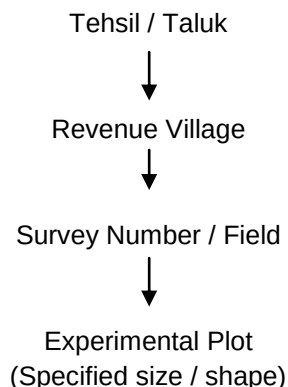
Source: AS Wing, NSO (FOD), Faridabad

*374 experiments of Sugarcane are of Rabi season in West Bengal.

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 five 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. The assessment is made by the State Governments based on the reports from the field offices of the State Agricultural Statistics Authorities (SASAs). 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 area enumeration based on Remote Sensing Technology, estimates from Econometric Modelling, etc.

1.8 Second Advance Estimates

The second advance estimates are made in the month of February every year. The advance estimates of kharif crops may undergo a revision in the light of flow of more precise information from the State Governments. 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 April/ beginning of May every year. 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 Mahalanobis National Crop Forecast Centre, New Delhi as well as the proceedings of CWWG.

1.10 Fourth Advance Estimates

The fourth advance estimates are prepared in the month of July/August every year. 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. 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 January/ February 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 NSO (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)

Under the FASAL scheme, forecasts of area, production and yield based upon Remote Sensing and econometric modelling are generated. The agencies involved under the scheme are Space Application Centre (SAC), Ahmedabad, Institute of Economic Growth (IEG), New Delhi and 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.

DAC&FW has established Mahalanobis National Crop Forecast Centre (MNCFC) on April 23, 2012 which operationalises Remote Sensing Methodology on crop forecast and drought assessments in collaboration with ISRO. These forecasts are used to validate the official crop estimates based the conventional system. 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. However, based on the technological feasibility and requirement, 11 crops are modified to Rice (Kharif & Rabi), Jowar(Rabi), Maize (Rabi), Soybean, Jute, Pulses (Rabi), Cotton, Sugarcane and Groundnut(Rabi), Rapeseed & Mustard and Wheat. Presently, the experimental forecasts in respect of 8 crops are being prepared namely, Wheat, Rice (Kharif and Rabi), Jute, Sugarcane, Cotton, Rapeseed/mustard, Rabi sorghum and Rabi Pulses.

The programme uses optical and microwave remote sensing data of Indian and foreign satellites. The field data (ground truth) collection is carried out using Smartphone. The activities are carried out in collaboration with 19 State Agriculture Departments, 16 State Remote Sensing Centres, ISRO, IMD, IEG and State Agriculture Universities.

1.13 Achievements of FASAL project

FASAL is a national level project of Ministry of Agriculture & Farmers Welfare under Integrated Scheme on Agriculture Census, Economics and Statistics. Under FASAL project, pre-harvest multiple Crop production forecasts at District/State/National Level are generated for 8 major crops (Rice, Wheat, Cotton, Sugarcane, Jute, Rabi Jowar, Rabi Pulses and Rapeseed & Mustard) using satellite and agro-meteorological data.

In a year all total 16 forecasts (Rice-3, Wheat-3, Rapeseed & Mustard-3, Jute-1, Cotton-2, Sugarcane-2, Rabi Pulses -1 and Rabi Jowar-1) are generated.

The results are shared with MoA&FW, State Agriculture Departments and other partner agencies.

1.14 Extended Range Forecast System (ERFS)

The IMD has been providing weather forecast with lead-time of five days only and that too for four broad geographical regions of the country. It leaves little lead-time to farmers for undertaking crop management decisions. Therefore, the Department of Agriculture, Cooperation and Farmers Welfare has sponsored a project entitled “Development and Application of Extended Range Forecast System for Climate Risk Management in Agriculture (ERFS)” since 2006 in collaboration with other partner organizations, viz., Indian Institute of Technology (IIT), India Meteorological Department (IMD), National Centre for Medium Range Weather Forecast (NCMRWF), Space Application Centre (SAC) Ahmedabad and Indian Council of Agriculture Research (ICAR).

The project aims at generating extended range deterministic and probabilistic rainfall and temperature forecasts for metrological subdivisions of India at monthly and seasonal scale and disseminating it to the farming community and to advise them about various measures. The project was completed on 31st October, 2018 and outcome has been transferred to IMD and MNCFC. The weather forecasting of precipitation and air temperature on monthly and seasonal scale has immense importance in agriculture as it offers extra lead time to farming community for decision making in adverse conditions.

2

Socio-Economic Indicators

Table 2.1: Selected Economic and Social Indicators

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	2016-17	2017-18	2018-19
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
Macro Economic Indicators															
GDP ^a at current prices (₹ crore)	10036	17049	44382	136838	531814	2000743	7248860	8736329	9944013	11233522	12467959	13771874	15391669 [*]	17098304 [#]	18971237 [@]
GDP ^a at constant prices (₹ crore)	279618	410279	589787	798506	1347889	2348481	4918533	8736329	9213017	9801370	10527674	11369493	12308193 [*]	13175160 [#]	13981426 [@]
Per capita Income ^b at constant prices (₹)	7114	8889	10016	10712	14330	20418	36202	63462	65538	68572	72805	77659	83003 [*]	87828 [#]	92085 [@]
Rate of Gross Capital Formation to GDP at current prices ^c (percentage)	9.3	14.3	15.1	19.2	26.0	24.3	36.5	39.0	38.7	33.8	33.5	32.1	32.0 [*]	34.2 [#]	32.2 [@]
Rate of Gross Domestic Savings to GDP at current prices ^c (percentage)	9.5	11.6	14.3	17.8	22.9	23.7	33.7	34.6	33.9	32.1	32.2	31.1	31.4 [*]	32.4 [#]	30.11 [@]
Index of Agricultural Production ^d	46.2	68.8	85.9	102.1	148.4	165.7	121.0	124.3	124.0	129.8	124.0	120.8	132.8	139.4	136.5
Index of Industrial Production (IIP) ^e	7.9	15.6	28.1	43.1	91.6	162.6	165.5	170.3	103.3	106.7	111.0	114.7	120.0	125.3	130.1
Wholesale Price Index (WPI) ^e	6.8	7.9	14.3	36.8	73.7	155.7	143.3	156.1	106.9	112.5	113.9	109.7	111.6	114.9	119.8
Consumer Price Index for Industrial workers (CPI-IW) ^f	17	21.0	38.0	81.0	193.0	444.0	180.0	195.0	215.0	236.0	251.0	265.0	276.0	284.0	300.0
Output															
Foodgrains Production (million tonnes)	50.8	82.0	108.4	129.6	176.4	196.8	244.5	259.3	257.1	265.0	252.0	251.6	275.1	285.0	285.0
Coal and Lignite Production (million tonnes)	32.3	55.2	76.3	119.0	225.5	332.6	570.4	582.3	602.9	610.0	657.4	683.0	703.1	722.7	773
Crude Oil Production (million tonnes)	0.3	0.5	6.8	10.5	33.0	32.4	37.7	38.1	37.9	37.8	37.5	36.9	36.0	35.6	34.2
Electricity Generated (utilities only)[billion KWH]	5.0	17.0	56.0	121.0	264.0	500.0	844.8	922.5	964.5	1026.6	1105.1	1167.6	1235.4	1303.5	1371.8
Foreign Trade															
Exports (₹ crore)	606	642	1535	6711	32553	203571	1136964	1465959	1634318	1905011	1896348	1716384	1849434	1956515	2307726
(US \$ million)	1269	1346	2031	8486	18143	44560	249816	305964	300401	314405	310338	262291	275852	303526	330078
Imports (₹ crore)	608	1122	1634	12549	43198	230873	1683467	2345463	2669162	2715421	2736677	2490304	2577671	3001029	3594674
(US \$ million)	1273	2353	2162	15869	24075	50536	369769	489319	490737	450198	447964	381007	384356	465580	514078
Foreign exchange reserves ^g [excluding gold, SDRs and Reserve Tranche Position at IMF] (₹ crore)	911	186	438	4822	4388	184482	1224883	1330511	1412630	1660910	1985460	2219060	2244940	2597570	2665560
(US \$ million)	1914	390	584	5850	2236	39554	274330	260069	259726	276359	317324	336104	346319	399442	385357
Social Indicators															
Population (Million) ^h	361.0	439.2	548.2	683.3	846.4	1028.7	1186.0	1220.0	1235.0	1251.0	1267.0	1283.0	1299.0	1316.0	1331.9
Birth Rate (per 1000) ⁱ	39.9	41.7	36.9	33.9	29.5	25.4	21.8 ^k	21.6 ^k	21.4 ^k	21.0 ^k	20.8 ^k	20.4 ^k	20.2 ^k	NA	NA
Death Rate (per 1000) ⁱ	27.4	22.8	14.9	12.5	9.8	8.4	7.1 ^k	7.0 ^k	7.0 ^k	6.7 ^k	6.5 ^k	6.4 ^k	6.3 ^k	NA	NA
Life Expectancy at Birth (in Years) ^j	32.1	41.3	45.6	50.4	58.7	62.5	67.0	67.5	67.9	68.3	68.7	69.0	NA	NA	NA
(a) Male	32.5	41.9	46.4	50.9	58.6	61.6	65.4	65.8	66.4	66.9	67.4	67.8	NA	NA	NA
(b) Female	31.7	40.6	44.7	50.0	59.0	63.3	68.8	69.3	69.6	70.0	70.2	70.4	NA	NA	NA
Education: Literacy Rate (%) ^j	18.3	28.3	34.4	43.6	52.2	64.8	73.0	NA	NA	NA	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	NA	NA	NA
(b) Female	8.9	15.4	22.0	29.8	39.3	53.7	65.5	NA	NA	NA	NA	NA	NA	NA	NA

Source: Registrar General of India, Ministry of Finance, Department of Commerce, National Statistical Office and RBI.

* 3rd Revised Estimates (New Series);

2nd Revised Estimates (New Series)

NA: Not Available

@ : 1st Revised Estimates (New Series)

** As per 4th Advance Estimates

a: GDP estimates prior to 2011-12 are at factor cost based on 2004-05 series. Estimates from 2011-12 onwards are based on 2011-12 series

b: Per capita Income prior to 2011-12 are based on constant (2004-05) prices and from 2011-12 onwards are based on constant (2011-12) prices

c: Figures upto 2010-11 are percentages of GDP at market prices (2004-05 series) and from 2011-12 onwards are percentage of GDP estimates based on 2011-12 series

d: Base year for data till 2000-01 is Triennium ending (T.E.) 1981-82 and for data from 2010-11 onwards is T.E. 2007-08

e: IIP and WPI from 2012-13 onwards are as per Base Year: 2011-12=100 and earlier data is based on old base years.

f: Figures from 2010-11 onwards are based on Base Year: 2001=100 and earlier data is based on old base years.

g: As on end-March.

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

i: For calendar year. Figure shown against 1990-91 is for calendar year 1991 and so on

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 expectancy table of period 2008-12, 2011-12 refers to 2009-13, 2012-13 refers to 2010-14 and 2013-14 refers to 2011-15 and so on.

k: Estimates from Sample Registration System (SRS) Statistical Report, Office of RG.

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.

2.2: Population and Growth Rate, 2011

S.No.	States/ UTs	Population			Decadal Growth (%)	
		Male	Female	Total	1991-2001	2001-2011
(1)	(2)	(3)	(4)	(5)	(6)	(7)
	India	623,270,258	587,584,719	1,210,854,977	21.54	17.64
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
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.

2.3(a): Population and Agricultural Workers

Year	Total Population	Average Annual Exponential Growth Rate (%)	Rural Population	Total Workers	(In Million)		
					Agricultural Workers		
					Cultivators	Agricultural Labourers	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1951	361.1	1.25	298.5 (82.7)	139.5	69.9 (71.9)	27.3 (28.1)	97.2 (69.7)
1961	439.2	1.96	360.1 (82.0)	188.4	99.5 (76.0)	31.5 (24.0)	131.5 (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	525.5 (76.9)	244.6	92.5 (62.5)	55.5 (37.5)	148.0 (60.5)
1991	846.4	2.16	628.7 (74.5)	314.1	110.7 (59.7)	74.6 (40.3)	185.3 (59.0)
2001	1028.7	1.97	742.5 (72.2)	402.2	127.3 (54.4)	106.8 (45.6)	234.1 (58.2)
2011	1210.9	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 is percentage share of Agricultural Workers in Total Workers.

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

State\UTs	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)
India	Total	1210854977	481888868	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	1322523	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	

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State/UTs	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
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

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State\UTs	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)
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	27842206	27149388	14741977	11488183	25408016	9973221	5241375
	Urban	20069405	6858935	5972561	886374	13210470	10462918	5404993	4873882	9606487	1453942	1098679
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

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States\UTs	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)
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
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: India and Jammu & Kashmir exclude population of those portion of Jammu & Kashmir which are under illegal occupation of Pakistan and China.

2.3(c) State-wise Classification of Agricultural Workers- 2011

State\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)
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

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State\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
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

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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)
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
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

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State\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)
Andhra Pradesh	Total	6491522	16967754	4357304	8130022	2134218	8837732
	Rural	6267888	16102617	4192776	7656866	2075112	8445751
	Urban	223634	865137	164528	473156	59106	391981
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: India and Jammu & Kashmir exclude population of those portion of Jammu & Kashmir which are under illegal occupation of Pakistan and China.

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
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
All-India	42.0	25.5	37.2	33.8	20.9	29.8	25.7	13.7	21.9

Source: NITI Aayog (erstwhile 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.

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
LFPR 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, NITI Aayog (erstwhile Planning Commission)

2.6(a): Gross Value Added by Economic Activity at Constant (2011-12) Basic Prices

(₹ crore)

S.No.	Industry	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17*	2017-18 [#]	2018-19 [@]	2019-20 [^]
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1.	Agriculture, forestry and fishing	1501947	1524288	1609198	1605715	1616146	1726004	1828329	1872339	1940811
1.1	Crops	982151	983809	1037060	998425	969344	1020258	1064796	1054179	-
1.2	Livestock	327334	344375	363558	390449	419637	461572	495834	536035	-
1.3	Forestry and logging	124436	124743	132093	134609	136960	144547	153451	154115	-
1.4	Fishing and aquaculture	68027	71362	76487	82232	90205	99627	114248	128011	-
2.	Mining and quarrying	261035	262609	263107	288685	317974	349248	366496	345069	354748
3.	Manufacturing	1409986	1486873	1560709	1683938	1903850	2054764	2190791	2316643	2336365
3.1	Food Products, Beverages and Tobacco	167524	154540	153560	157637	183150	202964	212224	230622	-
3.2	Textiles, Apparel and Leather Products	153238	177398	216411	216429	258936	261079	274425	286905	-
3.3	Metal Products	229627	238520	277322	261206	225306	285206	315602	322370	-
3.4	Machinery and Equipment	334670	345731	324994	357017	429550	474418	530434	568571	-
3.5	Other Manufactured Goods	524927	570684	588422	691649	806908	831097	858106	908175	-
4.	Electricity, gas, water supply & other utility services	186668	191635	199601	214047	224158	246496	274104	296560	310275
5.	Construction	777335	780050	800771	835229	865335	916445	962009	1020314	1050533
6.	Trade, repair, hotels and restaurants	883582	981620	1034506	1135841	1261426	1389322	1527818	1657344	2627439\$
6.1	Trade & repair services	793681	888665	941941	1037640	1150121	1268230	1399843	1519499	-
6.2	Hotels & restaurants	89901	92955	92565	98201	111305	121092	127974	137845	-
7.	Transport, storage, communication & services related to broadcasting	529534	569523	617556	671848	731399	757056	782042	830705	-
7.1	Railways	61150	69162	73685	80720	85452	82161	87886	92291	-
7.2	Road transport	262442	282425	300563	320813	343155	362324	383908	409980	-
7.3	Water transport	6910	7052	7345	7954	8095	8569	9127	9659	-
7.4	Air transport	4393	4183	4550	5188	6053	7172	8430	9463	-
7.5	Services incidental to transport	63602	66480	70172	75596	81156	86835	93205	99966	-
7.6	Storage	5108	5716	5210	5529	6245	6100	6660	6892	-
7.7	Communication & services related to broadcasting	125930	134505	156031	176047	201243	203896	192827	202453	-
8	Financial, Real Estate & Professional Services	1530877	1680031	1867407	2073715	2294787	2492966	2609016	2786856	2989960
8.1	Financial services	480226	529792	577914	627255	672788	695983	729265	763576	-
8.2	Real estate, ownership of dwelling & professional services	1050651	1150239	1289493	1446460	1621999	1796983	1879751	2023280	-
9	Public Administration, Defence & other services	1025982	1069646	1110794	1203115	1276797	1395982	1533809	1677298	1824473
9.1	Public administration and defence	491155	501383	510046	543853	565106	614238	675821	737893	-
9.2	Other services	534827	568262	600748	659262	711691	781744	857988	939405	-
10.	GVA at basic prices	8106946	8546275	9063649	9712133	10491870	11328285	12074413	12803128	13434606
11.	Total Net Value Added at basic prices	7189771	7535614	7963039	8533489	9220980	9946759	10585661	11193753	11745853
12.	Net taxes on Products	629383	666741	737721	815541	877623	979909	1100747	1178298	1249229
13.	Net Factor Income from Abroad	-76824	-108354	-122343	-124687	-134922	-144575	-145853	-152358	-160904
14.	NNI	7742330	8094001	8578417	9224343	9963681	10782092	11540556	12219693	12834178
15.	Per Capita Income (in Rupees)	63462	65538	68572	72805	77659	83003	87828	92085	95706
16	GDP at market prices	8736329	9213017	9801370	10527674	11369493	12308193	13175160	13981426	14683835

Source: National Statistical Office (NSO)

*: Third Revised Estimates; # : Second Revised Estimates; @ : First Revised Estimates; ^ Second Advance Estimates

\$ Include trade, hotels, transport, storage, communication & services related to broadcasting

2.6(b): Gross Value Added by Economic Activity at Current Basic Prices

(₹ crore)

S.No.	Industry	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17*	2017-18 [#]	2018-19 [@]	2019-20 [^]
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1.	Agriculture, forestry and fishing	1501947	1675107	1926372	2093612	2227533	2518662	2796908	2922846	3254345
1.1	Crops	982151	1088814	1248776	1292874	1327992	1486044	1606057	1614938	-
1.2	Livestock	327334	368823	422733	510411	582410	672611	785180	871884	-
1.3	Forestry and logging	124436	137558	156674	173760	184411	205364	219109	223109	-
1.4	Fishing and aquaculture	68027	79911	98190	116567	132720	154643	186561	212915	-
2.	Mining and quarrying	261035	285842	295794	308476	294011	326808	357788	389322	391553
3.	Manufacturing	1409986	1572837	1713452	1878369	2146189	2333721	2546608	2766767	2797232
3.1	Food Products, Beverages and Tobacco	167524	168227	175673	185899	213832	259668	275415	296968	-
3.2	Textiles, Apparel and Leather Products	153238	187981	246424	249573	300357	303155	325117	350472	-
3.3	Metal Products	229627	248915	286998	273621	232868	273963	329754	364145	-
3.4	Machinery and Equipment	334670	356231	343383	388961	541055	584168	637000	-	-
3.5	Other Manufactured Goods	524927	611483	660973	780315	913964	955881	1032152	1118182	-
4.	Electricity, gas, water supply & other utility services	186668	215350	260155	282258	334965	355709	425101	456413	475658
5.	Construction	777335	849365	921470	979086	991084	1080870	1197931	1344279	1407491
6.	Trade, repair, hotels and restaurants	1413116	1663986	1874467	1320833	1433969	1609001	1833267	2073330	3381927\$
6.1	Trade & repair services	793681	954683	1078421	1206474	1307323	1468583	1679572	1900837	-
6.2	Hotels & restaurants	89901	99850	106140	114359	126646	140418	153695	172493	-
7.	Transport, storage, communication & services related to broadcasting	529534	609453	689906	786763	860544	930155	979440	1069290	-
7.1	Railways	61150	72296	78724	92459	100451	106786	116252	124309	-
7.2	Road transport	262442	300652	338306	370364	399902	434947	473245	530652	-
7.3	Water transport	6910	7190	6476	7590	7298	9206	10181	11233	-
7.4	Air transport	4393	8128	6853	11820	20344	21496	22602	17037	-
7.5	Services incidental to transport	63602	72054	75719	91681	88246	102468	106795	108519	-
7.6	Storage	5108	6165	6026	6407	7021	7442	8384	9070	-
7.7	Communication & services related to broadcasting	125930	142969	177804	206442	237282	247809	241980	268468	-
8	Financial, Real Estate & Professional services	1530877	1776632	2069508	2363346	2626138	2911437	1080189	3622130	3930234
8.1	Financial services	480226	536819	599341	661411	726286	750201	843923	952306	-
8.2	Real estate, ownership of dwelling & professional services	1050651	1239813	1470167	1701935	1899852	2161236	236266	2669824	-
9	Public Administration, Defence & other services	1025982	1163574	1301935	1491536	1660067	1898837	2169522	2495584	2855246
9.1	Public administration and defence	491155	546231	601912	676818	731578	827438	944085	1067949	-
9.2	Other services	534827	617343	700023	814718	928489	1071399	1225437	1427635	-
10.	GVA at basic prices	8106946	9202692	10363153	11504279	12574499	13965200	15513122	17139962	18493686
11.	NVA at basic prices	7189771	8141787	9167178	10161988	11124802	12373868	13749176	15160338	16357710
12.	Net taxes on Products	629383	741321	870369	963680	1197376	1426469	1585182	1831275	1891073
13.	Net Factor Income from Abroad	-76824	-116763	-139884	-147430	-159779	-176400	-184813	-202324	-221496
14.	NNI	7742330	8766345	9897663	10978238	12162398	13623937	15149545	16789288	18027287
15.	Per Capita Income (in Rupees)	63462	70983	79118	86647	94797	104880	115293	126521	134432
16	GDP at market prices	8736329	9944013	11233522	12467959	13771874	15391669	17098304	18971237	20384759

Source: National Statistical Office (NSO)

*: Third Revised Estimates; # : Second Revised Estimates; @ : First Revised Estimates; ^ Second Advance Estimates

\$ Include trade, hotels, transport, storage, communication & services related to broadcasting

2.6 (c): Sectoral share in Gross Value Added at Current Basic Prices

(Figures in percentage)

S.No.	Industry	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17*	2017-18 [#]	2018-19 [@]	2019-20 [^]
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
I	Agriculture, forestry & fishing	18.5	18.2	18.6	18.2	17.7	18.0	18.0	17.1	17.6
	Crops	12.1	11.8	12.1	11.2	10.6	10.6	10.4	9.4	-
	Livestock	4.0	4.0	4.1	4.4	4.6	4.8	5.1	5.1	-
	Forestry and logging	1.5	1.5	1.5	1.5	1.5	1.5	1.4	1.3	-
	Fishing and aquaculture	0.8	0.9	0.9	1.0	1.1	1.1	1.2	1.2	-
II	Industry	32.5	31.8	30.8	30.0	30.0	29.2	29.1	28.9	27.4
	Mining and quarrying	3.2	3.1	2.9	2.7	2.3	2.3	2.3	2.3	2.1
	Manufacturing	17.4	17.1	16.5	16.3	17.1	16.7	16.4	16.1	15.1
	Electricity, gas, water supply & other utility services	2.3	2.3	2.5	2.5	2.7	2.5	2.7	2.7	2.6
	Construction	9.6	9.2	8.9	8.5	7.9	7.7	7.7	7.8	7.6
III	Services	49.0	50.0	50.6	51.8	52.3	52.8	52.9	54.0	55.0
	GVA at basic prices	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Source: National Statistical Office (NSO)

*: Third Revised Estimates; # : Second Revised Estimates; @ : First Revised Estimates; ^ Second Advance Estimates

2.6 (d): Growth of Gross Value Added at Constant (2011-12) Basic Prices

(Figures in percentage)

S.No.	Industry	2012-13	2013-14	2014-15	2015-16	2016-17*	2017-18 [#]	2018-19 [@]	2019-20 [^]
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(11)
I	Agriculture, forestry & fishing	1.5	5.6	-0.2	0.6	6.8	5.9	2.4	3.7
	Crops	0.2	5.4	-3.7	-2.9	5.3	4.4	-1.0	-
	Livestock	5.2	5.6	7.4	7.5	10.0	7.4	8.1	-
	Forestry and logging	0.2	5.9	1.9	1.7	5.5	6.2	0.4	-
	Fishing and aquaculture	4.9	7.2	7.5	9.7	10.4	14.7	12.0	-
II	Industry	3.3	3.8	7.0	9.6	7.7	6.3	4.9	1.8
	Mining and quarrying	0.6	0.2	9.7	10.1	9.8	4.9	-5.8	2.8
	Manufacturing	5.5	5.0	7.9	13.1	7.9	6.6	5.7	0.9
	Electricity, gas, water supply & other utility services	2.7	4.2	7.2	4.7	10.0	11.2	8.2	4.6
	Construction	0.3	2.7	4.3	3.6	5.9	5.0	6.1	3.0
III	Services	8.3	7.7	9.8	9.4	8.5	6.9	7.7	7.0
	GVA at basic prices	5.4	6.1	7.2	8.0	8.0	6.6	6.0	4.9
	GDP at market prices	5.5	6.4	7.4	8.0	8.3	7.0	6.1	5.0

Source: National Statistical Office (NSO)

*: Third Revised Estimates; # : Second Revised Estimates; @ : First Revised Estimates; ^ Second Advance Estimates

2.6 (e): Back Series: Gross Value Added by Economic Activity at Constant (2011-12) Basic Prices*

		(₹ crore)					
S. No.	Industry	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1.	Agriculture, forestry and fishing	1152841	1208285	1243794	1312283	1309079	1297556
1.1	crops	750752	796926	815268	871091	849407	822186
1.2	livestock	214000	223793	237726	250633	269777	283777
1.3	forestry and logging	139263	137100	136275	133454	130713	130324
1.4	fishing and aquaculture	48827	50467	54526	57105	59182	61269
2.	Mining and quarrying	232212	246422	257982	269872	263137	278970
3.	Manufacturing	793308	867475	1021780	1093106	1144085	1269564
3.1	Food Products, Beverages and Tobacco	97295	108847	143457	148089	153624	160539
3.2	Textiles, Apparel and Leather Product	81612	95017	113475	110147	124603	141876
3.3	Metal Products	132348	151519	175676	183519	189641	208609
3.4	Machinery and Equipment	139788	159114	190104	207550	238516	282541
3.5	Other Manufactured Goods	342265	352978	399067	443802	437702	475999
4.	Electricity, gas, water supply & other utility services	116105	123440	133351	144508	151539	160529
5.	Construction	411620	464605	514181	574451	606438	647639
6.	Trade, repair, hotels and restaurants	537367	593354	653714	694463	701527	723045
6.1	Trade & repair services	483515	531753	584720	618540	628897	650621
6.2	Hotels & restaurants	53852	61600	68994	75923	72631	72425
7.	Transport, storage, communication & services related to broadcasting	315337	340028	366055	398564	418103	465802
7.1	Railways	35495	38271	42443	46377	49696	54151
7.2	Road transport	150600	164500	181439	196984	208273	225446
7.3	Water transport	6095	6461	6450	6963	7423	7391
7.4	Air transport	1587	1961	2577	3150	2933	3386
7.5	Services incidental to transport	34983	39788	42178	46711	48423	52707
7.6	Storage	2404	2440	2689	2968	2983	4093
7.7	broadcasting	84172	86608	88278	95411	98372	118627
8	Financial Services	278995	312009	351907	386282	405932	435089
9	Real Estate, ownership of dwelling & Professional Services	706974	767647	807555	863402	908597	964440
10	Public Administration & Defence	295462	308660	315270	339457	403444	471451
11	Other services	252280	282302	292778	321908	362334	417752
12	GVA at basic prices	5092503	5514228	5958367	6398295	6674215	7131836
13	GDP at market prices	5480380	5914614	6391375	6881007	7093403	7651078

Source: National Statistical Office (NSO)

* As per Back Series for period 2004-05 to 2011-12 with Base 2011-12 released by CSO on 28-11-2018

2.6 (f): Back Series: Gross Value Added by Economic Activity at Current Basic Prices*

(₹ crore)

S.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)
1.	Agriculture, forestry and fishing	567635	639988	715179	820532	925878	1066008	1299884
1.1	crops	364695	419039	467942	553371	615489	706037	877256
1.2	livestock	103971	112438	122596	143186	170690	203991	250867
1.3	forestry and logging	71828	76822	89472	85057	95647	105628	114505
1.4	fishing and aquaculture	27140	31689	35169	38919	44052	50353	57256
2.	Mining and quarrying	93759	110533	128999	149210	163962	193263	251303
3.	Manufacturing	504309	580160	736206	826138	942847	1091430	1300146
3.1	Food Products, Beverages and Tobacco	57308	68533	93306	89916	109359	122207	149766
3.2	Textiles, Apparel and Leather Products	57770	70303	88728	83007	99345	124168	155791
3.3	Metal Products	95185	93551	131103	165689	158150	179828	217538
3.4	Machinery and Equipment	101834	124470	149048	167574	194343	239915	275570
3.5	Other Manufactured Goods	192212	223304	274021	319953	381650	425312	501481
4.	Electricity, gas, water supply & other utility services	77503	83470	93254	105895	108536	140906	161495
5.	Construction	255447	298540	357380	432602	501582	555714	632754
6.	Trade, repair, hotels and restaurants	302408	352179	418625	474944	536795	603293	742211
6.1	Trade & repair services	272046	315530	374306	422836	480934	542511	666811
6.2	Hotels & restaurants	30362	36649	44319	52108	55860	60782	75400
7.	Transport, storage, communication & services related to broadcasting	224007	255988	293887	329450	367531	409649	449550
7.1	Railways	28601	30555	36759	42473	46376	53681	55464
7.2	Road transport	103280	119505	136551	148326	164954	180463	217872
7.3	Water transport	3386	3687	3999	4461	5282	5390	6533
7.4	Air transport	2310	2193	1842	1756	1421	3880	4997
7.5	Services incidental to transport	22477	26993	30114	33640	37147	41078	49618
7.6	Storage	1601	1701	1969	2226	2392	3360	4288
7.7	broadcasting	62352	71354	82652	96567	109958	121796	110779
8	Financial Services	147718	180851	228107	266110	315614	347819	427102
9	Real Estate, ownership of dwelling & Professional Services	381137	430240	495890	583601	688776	784722	916683
10	Public Administration & Defence	175040	190538	207404	236404	304702	396920	435761
11	Other services	175335	204427	229963	265302	316615	385182	466781
12	GVA at basic prices	2904299	3326914	3904895	4490188	5172838	5974906	7083671
13	GDP at market prices	3186332	3632125	4254629	4898662	5514152	6366407	7634472

Source: National Statistical Office (NSO)

* As per Back Series for period 2004-05 to 2011-12 with Base 2011-12 released by CSO on 28-11-2018

2.6 (g): Back Series: Sectoral share in Gross Value Added at Current Basic Prices*

(Figures in percentage)

S.No.	Industry	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
I	Agriculture, forestry & fishing	19.5	19.2	18.3	18.3	17.9	17.8	18.4	18.5
	Crops	12.6	12.6	12.0	12.3	11.9	11.8	12.4	12.1
	Livestock	3.6	3.4	3.1	3.2	3.3	3.4	3.5	4.0
	Forestry and logging	2.5	2.3	2.3	1.9	1.8	1.8	1.6	1.5
	Fishing and aquaculture	0.9	1.0	0.9	0.9	0.9	0.8	0.8	0.8
II	Industry	32.1	32.2	33.8	33.7	33.2	33.2	33.1	32.5
	Mining and quarrying	3.2	3.3	3.3	3.3	3.2	3.2	3.5	3.2
	Manufacturing	17.4	17.4	18.9	18.4	18.2	18.3	18.4	17.4
	Electricity, gas, water supply & other utility services	2.7	2.5	2.4	2.4	2.1	2.4	2.3	2.3
	Construction	8.8	9.0	9.2	9.6	9.7	9.3	8.9	9.6
III	Services	48.4	48.6	47.9	48.0	48.9	49.0	48.5	49.0
	GVA at basic prices	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Source: National Statistical Office (NSO)

* As per Back Series for period 2004-05 to 2011-12 with Base 2011-12 released by CSO on 28-11-2018

2.6 (h): Back Series: Growth of Gross Value Added at Constant (2011-12) Basic Prices*

(Figures in percentage)

S.No.	Industry	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
I	Agriculture, forestry & fishing	4.8	2.9	5.5	-0.2	-0.9	8.8	6.4
	Crops	6.2	2.3	6.8	-2.5	-3.2	11.4	7.2
	Livestock	4.6	6.2	5.4	7.6	5.2	7.3	7.5
	Forestry and logging	-1.6	-0.6	-2.1	-2.1	-0.3	-3.1	-1.5
	Fishing and aquaculture	3.4	8.0	4.7	3.6	3.5	5.5	5.2
II	Industry	9.6	13.2	8.0	4.0	8.8	7.9	3.6
	Mining and quarrying	6.1	4.7	4.6	-2.5	6.0	13.5	-17.5
	Manufacturing	9.3	17.8	7.0	4.7	11.0	7.7	3.1
	Electricity, gas, water supply & other utility services	6.3	8.0	8.4	4.9	5.9	7.1	8.6
	Construction	12.9	10.7	11.7	5.6	6.8	6.1	13.1
III	Services	9.1	7.0	7.8	6.5	8.7	7.8	5.9
	GVA at basic prices	8.3	8.1	7.4	4.3	6.9	8.0	5.2
	GDP at market prices	7.9	8.1	7.7	3.1	7.9	8.5	5.2

Source: National Statistical Office (NSO)

* As per Back Series for period 2004-05 to 2011-12 with Base 2011-12 released by CSO on 28-11-2018

2.7(a): Gross State Value Added of Agriculture and Allied Sector at Constant (2011-12) Prices

(₹ in Lakh)

S.No.	State/UT	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1	Andhra Pradesh	9400805	9783109	10835268	11219987	12151829	13939515	16344727	18107393
2	Arunachal Pradesh	455505	472794	491472	538905	507157	417404	426098	NA
3	Assam	2848113	3314074	3209159	3295165	3433875	3500560	3599931	NA
4	Bihar	6206655	6803952	5951631	5934907	6073530	6741450	7196270	7239304
5	Chhattisgarh	2685950	2850360	2927578	3121630	3092063	3639707	3615045	3759177
6	Goa	204298	195849	222419	222662	208798	265914	272889	265134
7	Gujarat	10736422	9255884	11713736	11714466	11529691	12606908	14072021	NA
8	Haryana	6453886	6326499	6502514	6357661	6602221	7290918	7690826	8111367
9	Himachal Pradesh	1162626	1244329	1371209	1327287	1440749	1384303	1343742	1398130
10	Jammu & Kashmir	1306347	1249071	1300874	1159250	1454647	1589803	1613431	NA
11	Jharkhand	2233546	2364954	2321295	3033187	2171688	2680275	2808016	2927456
12	Karnataka	7558694	7173711	7691961	8021932	7231706	7538551	8396514	8306383
13	Kerala	4837594	4906807	4597159	4598265	4363785	4335472	4410011	NA
14	Madhya Pradesh	9107231	11339017	11320844	12025714	11975809	15238677	15603067	16484993
15	Maharashtra	15002673	14939157	16780588	14983469	14428154	17853049	18402575	NA
16	Manipur	251623	276425	288575	295331	273718	290342	314268	NA
17	Meghalaya	282868	313890	326927	376920	359196	373430	375215	NA
18	Mizoram	149468	145937	157013	329058	335566	351946	364917	NA
19	Nagaland	373363	396443	435269	452811	420256	458524	462360	NA
20	Odisha	3934537	4558109	4368529	4711024	4111533	4921400	4519810	4984236
21	Punjab	7816825	7886830	8147237	7866141	7976262	8474872	8869321	8911085
22	Rajasthan	11910303	12264217	13360426	13730589	13685850	14877814	15120309	15495341
23	Sikkim	90137	93361	96740	99226	103078	112249	128971	138556
24	Tamil Nadu	8773221	7818877	9161346	9836476	10091573	9928662	11207900	12356005
25	Telangana	5461488	5943354	6179205	5581067	5161495	5753395	6246757	6673812
26	Tripura	511201	550569	646611	670462	720113	779115	886529	NA
27	Uttar Pradesh	18325197	19161813	19071717	18685675	19479107	20609161	21949585	22382405
28	Uttarakhand	1330209	1355632	1339654	1335730	1312630	1366211	1386225	1412667
29	West Bengal	11710585	12156539	12150254	12694116	12766739	13237639	13924834	14044377
30	Andaman & Nicobar Islands	59713	61215	65791	68664	65875	64970	72580	NA
31	Chandigarh	12641	12159	12389	12360	13171	12539	13016	NA
32	Delhi	285663	223585	208519	181518	166190	171348	185593	215652
33	Puducherry	75378	79263	80607	89147	83166	83792	80886	88205

Source : National Statistical Office (NSO)

Notes:

1. Figures are as per the new series with base year 2011-12

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

*As per latest available estimates from respective State Governments (as on 30-08-2019)

NA :- Not Available

2.7(b): Gross State Value Added of Agriculture and Allied Sector at Current Prices

(₹ in Lakh)

S.No.	State/UT	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1	Andhra Pradesh	9400805	11186428	12895568	14819641	17316690	20986992	25593053	28765933
2	Arunachal Pradesh	455505	545406	603498	728655	748578	666613	708739	N.A
3	Assam	2848113	3391548	3692959	3959543	4373933	4576441	4836062	N.A
4	Bihar	6206655	7669988	7371939	7863211	8428402	9854637	11108404	11831504
5	Chhattisgarh	2685950	3180908	3599597	4038920	4277314	5270274	5790393	6272791
6	Goa	204298	228626	311711	310866	351190	476375	452288	644651
7	Gujarat	10736422	9917095	13040117	13759785	14380999	16492864	19166652	N.A
8	Haryana	6453886	7150666	7929914	8020426	8463288	9578609	10442489	11009834
9	Himachal Pradesh	1162626	1313711	1497802	1494803	1704691	1800694	1761058	1856948
10	Jammu & Kashmir	1306347	1567929	1705791	1509047	2121396	2417104	2501507	N.A
11	Jharkhand	2233546	2550211	2844224	4016315	3146379	4033246	4690481	5324797
12	Karnataka	7558694	8180610	9666145	10895892	11240377	12055335	14087448	14142129
13	Kerala	4837594	5036409	5501261	6093554	6399310	6920981	7465024	N.A
14	Madhya Pradesh	9107231	12640262	14855955	16506801	17797472	24473832	27484880	29773104
15	Maharashtra	15002673	16291680	19231757	17727494	18077569	23829082	24433487	N.A
16	Manipur	251623	297165	348748	400433	397568	419897	500059	N.A
17	Meghalaya	282868	322670	344514	409746	472392	525823	547421	N.A
18	Mizoram	149468	161353	189886	420218	465297	515112	560944	N.A
19	Nagaland	373363	455320	556609	618525	596987	694282	800097	N.A
20	Orissa	3934537	5342867	5674967	6556959	6163541	7448468	7570029	8444814
21	Punjab	7816825	8373465	9101468	9488170	10139834	11287210	12445005	13203048
22	Rajasthan	11910303	13641013	14779847	15306197	16770816	20209432	20806306	21821610
23	Sikkim	90137	108278	122419	139803	155710	190436	243411	290372
24	Tamil Nadu	8773221	8426467	10846228	12924022	13235403	13692560	16328656	18704656
25	Telangana	5461488	6736383	7663070	7612263	7570653	8968670	10260393	11249494
26	Tripura	511201	567087	702979	831809	1134780	1249313	1517973	N.A
27	Uttar Pradesh	18325197	21307587	23803497	24523034	27250612	29761300	32650319	35582997
28	Uttarakhand	1330209	1536643	1579095	1611419	1628380	1694579	1838789	1932304
29	West Bengal	11710585	13683827	16581431	16545516	18391923	19437865	21428144	23314050
30	A & N islands	59713	61975	72362	76634	83314	83578	101286	N.A
31	Chandigarh	12641	13205	14570	16199	18221	17473	18613	N.A
32	Delhi	285663	258282	258609	247752	243293	257396	285359	331451
33	Puducherry	75378	90421	97627	114680	120038	128812	128372	139944

Source : National Statistical Office (NSO)

Notes:

1. Figures are as per the new series with base year 2011-12

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

*As per latest available estimates from respective State Governments (as on 30-08-2019)

NA :- Not Available

2.7 (c): Growth Rates of Gross State Value Added of Agriculture and Allied Sector at Constant (2011-12) Prices

(% Growth over previous year)								
S. No.	State/UT	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Andhra Pradesh	4.07	10.75	3.55	8.31	14.71	17.25	10.78
2	Arunachal Pradesh	3.80	3.95	9.65	-5.89	-17.70	2.08	NA
3	Assam	16.36	-3.17	2.68	4.21	1.94	2.84	NA
4	Bihar	9.62	-12.53	-0.28	2.34	11.00	6.75	0.60
5	Jharkhand	5.88	-1.85	30.67	-28.40	23.42	4.77	4.25
6	Goa	-4.14	13.57	0.11	-6.23	27.35	2.62	-2.84
7	Gujarat	-13.79	26.55	0.01	-1.58	9.34	11.62	NA
8	Haryana	-1.97	2.78	-2.23	3.85	10.43	5.49	5.47
9	Himachal Pradesh	7.03	10.20	-3.20	8.55	-3.92	-2.93	4.05
10	Jammu & Kashmir	-4.38	4.15	-10.89	25.48	9.29	1.49	NA
11	Karnataka	-5.09	7.22	4.29	-9.85	4.24	11.38	-1.07
12	Kerala	1.43	-6.31	0.02	-5.10	-0.65	1.72	NA
13	Madhya Pradesh	24.51	-0.16	6.23	-0.41	27.25	2.39	5.65
14	Chhattisgarh	6.12	2.71	6.63	-0.95	17.71	-0.68	3.99
15	Maharashtra	-0.42	12.33	-10.71	-3.71	23.74	3.08	NA
16	Manipur	9.86	4.40	2.34	-7.32	6.07	8.24	NA
17	Meghalaya	10.97	4.15	15.29	-4.70	3.96	0.48	NA
18	Mizoram	-2.36	7.59	109.57	1.98	4.88	3.69	NA
19	Nagaland	6.18	9.79	4.03	-7.19	9.11	0.84	NA
20	Orissa	15.85	-4.16	7.84	-12.73	19.70	-8.16	10.28
21	Punjab	0.90	3.30	-3.45	1.40	6.25	4.65	0.47
22	Rajasthan	2.97	8.94	2.77	-0.33	8.71	1.63	2.48
23	Sikkim	3.58	3.62	2.57	3.88	8.90	14.90	7.43
24	Tamil Nadu	-10.88	17.17	7.37	2.59	-1.61	12.88	10.24
25	Telangana	8.82	3.97	-9.68	-7.52	11.47	8.58	6.84
26	Tripura	7.70	17.44	3.69	7.41	8.19	13.79	NA
27	Uttar Pradesh	4.57	-0.47	-2.02	4.25	5.80	6.50	1.97
28	Uttarakhand	1.91	-1.18	-0.29	-1.73	4.08	1.46	1.91
29	West Bengal	3.81	-0.05	4.48	0.57	3.69	5.19	0.86
30	A & N islands	2.52	7.47	4.37	-4.06	-1.37	11.71	NA
31	Chandigarh	-3.81	1.89	-0.23	6.56	-4.80	3.80	NA
32	Delhi	-21.73	-6.74	-12.95	-8.44	3.10	8.31	16.20
33	Puducherry	5.15	1.70	10.59	-6.71	0.75	-3.47	9.05

Source: National Statistical Office (NSO)

Note:

1. Data for Daman & Diu, Dadra & Nagar Haveli & Lakshadweep is not available.

NA :- Not Available

*As per latest available estimates from respective State Governments (as on 30-08-2019)

2.7 (d): Share of Gross State Value Added (GSVA) of Agriculture and Allied Sector in Total GSVA of State at Current Prices

(Percentage Share)

Sl. No.	State/UT	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1	Andhra Pradesh	26.88	29.48	30.22	30.39	31.12	32.92	34.51	33.64
2	Arunachal Pradesh	41.96	43.97	42.27	41.55	41.69	35.49	33.39	NA
3	Assam	21.05	22.82	22.00	21.48	20.33	19.28	17.68	NA
4	Bihar	25.68	27.72	24.04	23.46	23.15	24.05	23.74	22.20
5	Jharkhand	16.05	15.86	16.49	20.00	16.84	19.04	19.39	19.96
6	Goa	5.18	6.56	9.73	7.20	7.09	8.31	7.18	9.26
7	Gujarat	19.45	15.37	18.08	16.69	15.71	16.09	16.42	NA
8	Haryana	23.55	22.35	21.57	20.06	19.28	19.70	19.29	18.21
9	Himachal Pradesh	16.75	16.65	16.76	15.36	15.89	15.33	13.59	12.96
10	Jammu & Kashmir	17.47	18.87	18.82	16.21	19.18	20.36	19.26	NA
11	Karnataka	13.69	12.95	13.06	13.11	11.92	11.11	11.60	10.23
12	Kerala	14.39	13.21	12.82	12.92	12.57	12.14	11.80	NA
13	Madhya Pradesh	29.99	34.50	35.64	36.18	35.01	40.27	40.44	39.70
14	Chhattisgarh	18.10	19.15	18.42	19.32	19.81	21.72	21.39	21.22
15	Maharashtra	13.11	12.58	13.09	11.17	10.51	12.55	11.63	NA
16	Manipur	19.77	21.65	22.02	22.41	20.89	20.54	21.50	NA
17	Meghalaya	14.95	15.56	15.77	18.60	20.65	21.31	20.05	NA
18	Mizoram	20.12	18.95	18.74	31.49	31.41	30.87	29.57	NA
19	Nagaland	30.94	32.49	33.90	33.90	30.98	32.68	33.58	NA
20	Odisha	17.87	21.44	20.24	22.21	20.24	20.92	19.35	19.48
21	Punjab	30.80	29.82	29.52	28.86	28.71	29.23	29.00	28.50
22	Rajasthan	28.56	28.90	28.24	26.23	26.08	28.06	26.31	24.82
23	Sikkim	8.28	9.05	9.19	9.42	9.03	9.72	11.03	11.55
24	Tamil Nadu	12.66	10.74	12.22	13.15	12.30	11.57	12.27	12.40
25	Telangana	16.25	17.95	18.17	16.32	14.28	14.93	15.04	14.43
26	Tripura	27.20	26.64	28.07	28.82	32.68	32.81	34.31	NA
27	Uttar Pradesh	26.87	27.42	26.88	25.84	25.78	25.70	25.67	25.36
28	Uttarakhand	12.28	12.42	11.32	10.71	9.95	9.42	9.17	8.84
29	West Bengal	23.49	24.17	25.78	24.37	24.52	23.72	22.70	20.97
30	A & N Islands	14.79	13.77	14.36	13.81	13.82	12.30	13.30	NA
31	Chandigarh	0.67	0.61	0.59	0.61	0.64	0.54	0.51	NA
32	Delhi	0.94	0.75	0.67	0.57	0.51	0.48	0.48	0.49
33	Puducherry	5.09	5.49	5.09	5.79	5.18	5.00	4.52	4.44

Source: National Statistical Office (NSO)

Note:

1. Data for Daman & Diu, Dadra & Nagar Haveli & Lakshadweep is not available.

NA :- Not Available

*As per latest available estimates from respective State Governments (as on 30-08-2019)

3

Outlay, Expenditure and Capital Formation in Agriculture

3.1: Outlay and Expenditure on major Schemes implemented by Departments under Ministry of Agriculture & Farmers Welfare

											(₹ Crore)
S.No.	Department	Actual 2016-17	Budget 2017-18	Revised 2017-18	Actual 2017-18	Budget 2018-19	Revised 2018-19	Actual 2018-19	Budget 2019-20	Revised 2019-20	Budget 2020-21
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
A. Department of Agriculture, Cooperation and Farmers Welfare (DAC&FW)											
I. Central Sector Schemes/Projects											
1	Crop Insurance Scheme: Pradhan Mantri Fasal Bima Yojana	11051.55	9000.00	10698.00	9419.22	13000.00	12975.70	11937.02	14000.00	13640.85	15695.00
2	Interest Subsidy for Short Term Credit to Farmers	13397.13	15000.00	14750.00	13045.72	15000.00	14987.00	11495.66	18000.00	17863.43	21175.00
3	Market Intervention Scheme and Price Support Scheme (MIS-PSS)	145.69	199.30	950.00	700.92	200.00	2000.00	1400.00	3000.00	2010.20	2000.00
4	Pradhan Mantri Annadata Aay Sanrakshan Yojna (PM-AASHA)	-	-	-	-	-	1400.00	4721.12	1500.00	321.00	500.00
5	Distribution of Pulses to State / Union Territories for Welfare Schemes	-	-	-	-	-	550.08	...	800.00	370.00	800.00
6	Promotion of Agricultural Mechanization for in-situ Management of Crop Residue	-	-	-	-	-	591.62	584.33	600.00	594.29	600.00
7	Income Support Scheme/ Pradhan Mantri Kisan Samman Nidhi (PM-Kisan)	-	-	-	-	-	20000.00	1241.13	75000.00	54370.15	75000.00
8	Pradhan Mantri Kisan Pension Yojana	-	-	-	-	-	-	-	900.00	200.00	220.00
9	Formation and Promotion of 10,000 Farmer Producer Organizations (FPOs)	-	-	-	-	-	-	-	-	-	500.00
	Total Central Sector Schemes/Projects	24594.37	24199.30	26398.00	23165.86	28200.00	52504.40	31379.26	113800.00	89369.92	116490.00
II. Centrally Sponsored Schemes											
1	Pradhan Mantri Krishi Sinchai Yojana (PMKSY)- Per Drop More Crop	1991.25	3400.00	3000.00	2819.25	4000.00	2954.69	2918.37	3500.00	2032.20	4000.00
2	Green Revolution										
a	Rashtriya Krishi Vikas Yojana	3892.01	4750.00	3050.00	3559.74	3600.00	3600.00	3370.38	3745.00	2760.00	3700.00
b	National Food Security Mission	1286.04	1720.00	1400.00	1377.12	1690.70	1510.00	1605.79	2000.00	1776.90	2100.00
c	National Project on Organic Farming	10.96	1.00	10.10	-	8.10	2.50	2.76	2.00	2.00	12.50
d	Organic Value Chain Development for North East Region	48.28	100.00	100.00	66.48	160.00	182.46	175.49	160.00	160.00	175.00
e	National Project on Soil Health and Fertility	229.17	452.00	214.00	194.88	400.00	300.04	313.62	324.20	155.85	315.00
f	Rainfed Area Development and Climate Change	205.24	223.00	210.00	209.25	234.00	225.00	216.24	250.00	146.06	202.50
g	Paramparagat Krishi Vikas Yojana	152.89	350.00	250.00	203.46	360.00	300.00	328.69	325.00	299.36	500.00
h	National Project on Agro-Forestry	22.52	100.00	40.00	42.67	75.00	40.00	28.58	50.00	28.00	36.00
i	National Mission on Oil Seed and Oil Palm	327.50	403.00	328.06	263.62	400.00	352.00	341.32	-	-	-
j	National Mission on Horticulture	1493.07	2320.00	2190.00	2027.03	2536.00	2100.00	1996.85	2225.00	1583.50	2300.00
k	Sub- Mission on Seed and Planting Material	167.85	200.00	480.00	423.54	332.00	332.00	332.51	380.13	300.00	378.77
l	Sub- Mission on Plant Protection and Plant Quarantine	137.86	50.00	62.66	46.12	129.25	41.00	29.27	50.00	34.00	40.00
m	Sub- Mission on Agriculture Extension	590.46	912.00	821.00	818.81	1020.00	875.00	890.59	950.00	940.00	1200.00
n	Information Technology	42.13	65.00	50.00	33.24	56.00	35.00	40.85	40.00	31.13	40.00
o	Sub- Mission on Agriculture Mechanisation	366.93	550.00	776.71	764.41	1165.29	897.95	1100.78	1000.00	1015.00	1000.00
p	Integrated Scheme on Agriculture Census and Statistics	174.95	225.00	222.13	208.50	262.58	218.13	237.89	224.22	175.00	320.00
q	Integrated Scheme on Agricultural Cooperation	129.81	130.00	230.00	228.18	130.00	144.68	137.79	85.00	140.00	400.00
r	Integrated Scheme on Agriculture Marketing	827.39	1190.00	750.00	589.69	1050.00	500.00	458.19	600.00	331.10	490.00
s	National Bamboo Mission	-	-	-	-	300.00	146.50	150.04	150.00	87.00	110.00
	Total Centrally Sponsored Schemes	11978.98	17141.00	14184.66	13733.94	17908.92	14756.95	14168.69	16060.55	11997.10	17319.77
III. Other Expenditure*		339.13	514.70	522.34	496.92	591.08	538.65	528.24	624.66	536.98	590.00
Total DAC&FW (I+II+III)		36912.48	41855.00	41105.00	37396.72	46700.00	67800.00	46076.19	130485.21	101904.00	134399.77
B. Department of Agricultural Research and Education (DARE)											
I. Central Sector Schemes/Projects											
1	Agricultural Extension	753.86	232.51	232.51	232.51	241.81	205.53	205.53	221.15	221.15	242.50
2	Agricultural Engineering	190.86	42.68	42.68	42.68	100.00	59.50	59.50	64.02	64.02	70.00
3	Management of Natural Resources	680.24	217.68	217.68	217.68	226.39	192.45	192.72	207.04	204.83	226.00
4	Crop Sciences	1905.22	591.11	591.11	591.11	1050.75	868.49	868.49	934.47	858.61	964.50
5	Animal Sciences	1206.45	387.82	387.82	387.82	570.69	421.32	421.32	453.37	452.39	486.00
6	Agricultural Education	726.29	694.66	694.66	694.66	725.13	761.14	761.16	818.95	687.61	740.00
	Total Central Sector Schemes/Projects	5462.92	2166.46	2166.46	2166.46	2914.77	2508.43	2508.72	2699.00	2488.61	2729.00
II. Other Expenditure*		266.33	4633.54	4825.54	4776.46	4885.23	5444.30	5035.53	5379.76	5357.56	5633.58
Total DARE (I+II)		5729.25	6800.00	6992.00	6942.92	7800.00	7952.73	7544.25	8078.76	7846.17	8362.58

Source: Budget Documents, Ministry of Finance

*Includes Establishment Expenditure of the Centre and Other Central Sector Expenditure

Notes:

1. Actual Expenditure and Budget Allocations are net of recoveries

2. Vide Cabinet Secretariat's Notification No.S.O. 762(E) dated 05.02.2019 a new Ministry namely, Ministry of Fisheries, Animal Husbandry & Dairying has been created by carving out from the erstwhile D/o Animal Husbandry, Dairying and Fisheries under M/o Agriculture & Farmers Welfare.

3.2: Disaggregated Outlay and Expenditure on Developmental Heads by Ministry of Agriculture & Farmers Welfare

(₹ Crore)

S.No.	Department	Actual 2016-17	Budget 2017-18	Revised 2017-18	Actual 2017-18	Budget 2018-19	Revised 2018-19	Actual 2018-19	Budget 2019-20	Revised 2019-20	Budget 2020-21
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
A. Department of Agriculture, Cooperation and Farmers Welfare (DAC&FW)											
1	Crop Husbandry	12677.70	10691.85	12677.26	12013.48	14720.65	34922.87	22096.71	87396.30	65800.77	87361.07
2	Soil and Water Conservation	20.45	22.51	24.21	23.83	25.43	27.42	25.40	28.70	27.71	30.34
3	Agricultural Financial Institutions	13397.13	13500.00	14335.02	13045.72	13589.83	13514.36	11148.46	16306.93	16170.36	19098.22
4	Co-operation	129.81	117.00	197.00	228.18	117.00	131.68	137.79	126.50	126.30	365.50
5	Other Agricultural Programmes	861.58	1149.60	750.98	636.87	1028.94	502.77	490.57	597.43	359.71	1001.35
6	Secretariat-Economic Services	112.87	119.00	123.06	116.54	134.00	138.61	127.57	150.41	132.92	147.12
7	Capital Outlay on Crop Husbandry	12.16	49.44	40.83	16.69	108.71	30.03	9.81	29.71	28.86	49.32
8	Capital Outlay on Other Agricultural Programmes	0.64	1.00	1.00	0.67	1.00	1.00	0.97	1.00	1.00	1.00
9	Loans for Cooperation	18.18	25.00	-	-	-	-	-	-	-	-
10	North-Eastern Areas	..	4112.61	2834.28	-	4606.90	6722.35	-	12982.07	10132.71	13380.98
11	Grants-in-aid to State Governments	9678.71	12047.86	10107.04	11306.78	12347.92	11786.55	12032.78	12842.72	9042.55	12817.72
12	Grants-in-aid to Union Territory Governments	3.25	15.14	10.33	7.96	15.63	18.37	6.13	19.45	77.12	147.15
13	Capital Outlay on North-Eastern Areas	..	3.99	3.99	-	3.99	3.99	-	3.99	3.99	-
Total (DAC&FW)		36912.48	41855.00	41105.00	37396.72	46700.00	67800.00	46076.19	130485.21	101904.00	134399.77
B. Department of Agricultural Research and Education (DARE)											
1	Agricultural Research and Education	5722.03	6469.55	6661.64	6936.21	7368.46	7485.17	7537.61	7584.37	7376.74	7820.10
2	Secretariat-Economic Services	7.22	7.45	7.36	6.71	8.06	7.60	6.64	7.95	6.78	7.55
3	North-Eastern Areas	-	323.00	323.00	-	-	459.96	-	486.44	462.65	534.93
Total (DARE)		5729.25	6800.00	6992.00	6942.92	7800.00	7952.73	7544.25	8078.76	7846.17	8362.58

Source: Budget Documents, Ministry of Finance

*Includes Establishment Expenditure of the Centre and Other Central Sector Expenditure

Notes:

1. Actual Expenditure and Budget Allocations are net of recoveries

2. Vide Cabinet Secretariat's Notification No.S.O. 762(E) dated 05.02.2019 a new Ministry namely, Ministry of Fisheries, Animal Husbandry & Dairying has been created by carving out from the erstwhile D/o Animal Husbandry, Dairying and Fisheries under M/o Agriculture & Farmers Welfare.

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

(₹ Crore)

Year	Budget Estimate	Revised Estimate	Actual Expenditure*
(1)	(2)	(3)	(4)
2009-10	11915.22	12116.63	11934.99
2010-11	15647.97	17695.48	17333.68
2011-12	17522.87	16825.31	16753.10
2012-13	20530.22	18173.94	18028.38
2013-14	21933.50	19306.82	19027.58
2014-15	22652.25	19852.00	19513.58
2015-16	17004.35	15809.54	15333.92
2016-17	35983.69	39840.50	37029.81
2017-18	41855.00	41105.00	37538.77
2018-19	46700.00	67800.00	46583.50
2019-20	130485.21	106711.98	62090.10**

Source : Department of Agriculture, Cooperation & Farmers Welfare

* Actual expenditure is unadjusted for recoveries

** As on 30.11.2019 (Provisional)

**3.3(b): Budget Estimate, Revised Estimate and Actual Expenditure
(Department of Agricultural Research and Education)**

(₹ Crore)

Year	Budget Estimate	Revised Estimate	Actual Expenditure*
(1)	(2)	(3)	(4)
2009-10	3241.40	3261.36	3210.42
2010-11	3818.05	5165.00	5385.83
2011-12	4957.60	5007.60	4729.31
2012-13	5392.00	4620.00	4509.75
2013-14	5729.17	4881.08	4730.76
2014-15	6144.39	4884.00	4840.01
2015-16	6320.00	5586.00	5572.90
2016-17	6620.00	6238.00	5995.20
2017-18	6800.00	6992.00	6989.91
2018-19	7800.00	7952.73	7943.59
2019-20	8078.76	-	5675.00**

Source : Department of Agricultural Research and Education

* Actual expenditure is unadjusted for recoveries

**Expenditure upto October, 2019

Table 3.4(a): Gross Capital Formation (GCF) in Agriculture & Allied sector at Current Prices

Year	GCF in Agriculture & Allied sector (₹ Crore)			GCF of Economy (by industry of use) (₹ Crore)			Share of GCF in Agriculture & Allied sector in GCF of Economy (%)		
	Public	Private	Total	Public	Private	Total	Public	Private	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
2011-12	35696	238175	273870	658358	2547358	3205716	5.4	9.3	8.5
2012-13	39743	233747	273490	718648	2820849	3539498	5.5	8.3	7.7
2013-14	40827	290009	330836	794931	2865311	3660242	5.1	10.1	9.0
2014-15	47319	284545	331863	884470	3178620	4063089	5.3	9.0	8.2
2015-16	56167	242388	298555	1043697	3175873	4219570	5.4	7.6	7.1
2016-17*	66895	281529	348424	1101593	3375162	4476754	6.1	8.3	7.8
2017-18 [#]	67140	312486	379627	1174471	3875730	5050201	5.7	8.1	7.5
2018-19 [@]	92606	334526	427131	1373212	4440184	5813396	6.7	7.5	7.3

Source: National Statistical Office (NSO)

* 3rd Revised Estimates # 2nd Revised Estimates @ 1st Revised Estimates

Note: 1. GCF of economy (Public Sector) is the sum of GCF of Public Non-financial corporations, Public Financial Corporations and General Government

2. GCF of economy (Private Sector) is the sum of GCF of Private Non-Financial corporations, Private Financial Corporations and Households

Table 3.4(b): Gross Capital Formation (GCF) in Agriculture & Allied sector at Constant (2011-12) Prices

Year	GCF in Agriculture & Allied sector (₹ Crore)			GCF of Economy (by industry of use) (₹ Crore)			Share of GCF in Agriculture & Allied sector in GCF of Economy (%)		
	Public	Private	Total	Public	Private	Total	Public	Private	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
2011-12	35696	238175	273870	658358	2547358	3205716	5.4	9.3	8.5
2012-13	36019	215075	251094	674878	2672444	3347322	5.3	8.0	7.5
2013-14	33925	250499	284424	716140	2608543	3324683	4.7	9.6	8.6
2014-15	37172	235491	272663	774388	2778459	3552847	4.8	8.5	7.7
2015-16	42522	195127	237648	923710	2808030	3731740	4.6	6.9	6.4
2016-17*	47767	219386	267153	965680	2944527	3910207	4.9	7.5	6.8
2017-18 [#]	46185	237737	283922	981021	3295969	4276990	4.7	7.2	6.6
2018-19 [@]	61628	245121	306749	1093168	3632213	4725381	5.6	6.7	6.5

Source: National Statistical Office (NSO)

* 3rd Revised Estimates # 2nd Revised Estimates @ : 1st Revised Estimates

Table 3.5(a): Share of GCF in Agriculture and Allied sector in GVA of Economy at Current Prices

Year	GCF in Agriculture & Allied sector (₹ Crore)			GVA of Economy (₹ Crore)	Share of GCF in Agriculture & Allied sector in GVA of Economy (%)		
	Public	Private	Total		Public	Private	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
2011-12	35696	238175	273870	8106946	0.44	2.94	3.38
2012-13	39743	233747	273490	9202692	0.43	2.54	2.97
2013-14	40827	290009	330836	10363153	0.39	2.80	3.19
2014-15	47319	284545	331863	11504279	0.41	2.47	2.88
2015-16	56167	242388	298555	12574499	0.45	1.93	2.37
2016-17*	66895	281529	348424	13965200	0.48	2.02	2.49
2017-18 [#]	67140	312486	379627	15513122	0.43	2.01	2.45
2018-19 [@]	92606	334526	427131	17139962	0.54	1.95	2.49

Source: National Statistical Office (NSO)

*3rd Revised Estimates

2nd Revised Estimates

@ 1st Revised Estimates

Table 3.5(b): Share of GCF in Agriculture and Allied sector in GVA of Economy at Constant (2011-12) Prices

Year	GCF in Agriculture & Allied sector (₹ Crore)			GVA of Economy (₹ Crore)	Share of GCF in Agriculture & Allied sector in GVA of Economy(%)		
	Public	Private	Total		Public	Private	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
2011-12	35696	238175	273870	8106946	0.44	2.94	3.38
2012-13	36019	215075	251094	8546275	0.42	2.52	2.94
2013-14	33925	250499	284424	9063649	0.37	2.76	3.14
2014-15	37172	235491	272663	9712133	0.38	2.42	2.81
2015-16	42522	195127	237648	10491870	0.41	1.86	2.27
2016-17*	47767	219386	267153	11328285	0.42	1.94	2.36
2017-18 [#]	46185	237737	283922	12074413	0.38	1.97	2.35
2018-19 [@]	61628	245121	306749	12803128	0.48	1.91	2.40

Source: National Statistical Office (NSO)

* 3rd Revised Estimates

2nd Revised Estimates

@ 1st Revised Estimates

Table 3.6: Share of GCF in Agriculture & Allied sector in GVA from Agriculture & Allied sector
(Figures in Percentage)

Year	At Constant (2011-12) Prices			At Current Prices		
	Public	Private	Total	Public	Private	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)
2011-12	2.4	15.9	18.2	2.4	15.9	18.2
2012-13	2.4	14.1	16.5	2.4	14.0	16.3
2013-14	2.1	15.6	17.7	2.1	15.1	17.2
2014-15	2.3	14.7	17.0	2.3	13.6	15.9
2015-16	2.6	12.1	14.7	2.5	10.9	13.4
2016-17*	2.8	12.7	15.5	2.7	11.2	13.8
2017-18 [#]	2.5	13.0	15.5	2.4	11.2	13.6
2018-19 [@]	3.3	13.1	16.4	3.2	11.4	14.6

Source: National Statistical Office (NSO)

*3rd Revised Estimates

[#] 2nd Revised Estimates

[@] 1st Revised Estimates

4(A)

**Area, Production and Yield of
Principal Crops**

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

Crop	(Million Tonnes)											
	<u>2002-03</u>		<u>2003-04</u>		<u>2004-05</u>		<u>2005-06</u>		<u>2006-07</u>		<u>Xth Plan</u>	
	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
Nutri 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.

4.1(b): Target and Achievement of Production of Major Crops from Eleventh Five Year Plan onwards

Crop	<u>2007-08</u>		<u>2008-09</u>		<u>2009-10</u>		<u>2010-11</u>		<u>2011-12</u>		<u>Xlth Plan</u>	
	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	96.69	97.00	99.18	100.50	89.09	102.00	95.98	102.00	105.30	494.50	486.24
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
Nutri 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
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
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
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
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
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
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

Crop	<u>2012-13</u>		<u>2013-14</u>		<u>2014-15</u>		<u>2015-16</u>		<u>2016-17</u>		<u>XIIth Plan</u>		<u>2017-18</u>		<u>2018-19*</u>	
	Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement
(1)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)
Rice	104.00	105.24	105.00	106.65	106.00	105.48	106.10	104.41	108.50	109.70	529.60	531.48	108.50	112.76	114.00	116.42
Wheat	88.00	93.51	92.50	95.85	94.00	86.53	94.75	92.29	96.50	98.51	465.75	466.69	97.50	99.87	102.20	102.19
Nutri Cereals	44.00	40.04	42.50	43.29	41.50	42.86	43.20	38.52	44.35	43.17	215.55	207.88	45.65	46.97	48.10	42.95
Pulses	18.24	18.34	19.00	19.25	19.50	17.15	20.05	16.32	20.75	23.13	97.54	94.19	22.90	25.42	25.95	23.40
Foodgrains	254.24	257.13	259.00	265.04	261.00	252.03	264.10	251.54	270.10	275.11	1308.44	1300.85	274.55	285.01	290.25	284.95
Oilseeds	33.50	30.94	31.00	32.75	33.00	27.51	33.00	25.25	35.00	31.28	165.50	147.73	35.50	31.46	36.00	32.26
Sugarcane	352.00	341.20	340.00	352.14	345.00	362.33	355.00	348.45	355.00	306.07	1747.00	1710.19	355.00	379.90	385.00	400.16
Cotton #	35.00	34.22	35.00	35.90	35.00	34.81	35.15	30.01	36.00	32.58	176.15	167.52	35.50	32.81	35.50	28.71
Jute & Mesta@	12.00	10.93	12.00	11.69	11.20	11.13	11.70	10.52	11.70	10.96	58.60	55.23	11.70	10.03	11.20	9.77

Source : Directorate of Economics & Statistics, DAC&FW

* 4th Advance Estimates.

Million Bales of 170 kg. each.

@ Million Bales of 180 kg. each.

4.2: Three Largest Producing States of Important Crops during 2018-19*

Production : Million Tonnes			
Group of Crops	Crops	States	Production
(1)	(2)	(3)	(4)
I. Foodgrains	Rice	West Bengal	16.05
		Uttar Pradesh	15.54
		Punjab	12.82
		All - India	116.42
	Wheat	Uttar Pradesh	32.75
		Punjab	18.24
		Madhya Pradesh	15.47
		All - India	102.19
	Maize	Karnataka	3.73
		Madhya Pradesh	3.68
		Bihar	3.02
		All - India	27.23
	Total Nutri/ Coarse Cereals	Rajasthan	7.06
		Karnataka	5.54
		Madhya Pradesh	5.02
		All - India	42.95
	Total Pulses	Madhya Pradesh	7.81
		Rajasthan	3.68
		Uttar Pradesh	2.40
		All - India	23.40
	Total Foodgrains	Uttar Pradesh	54.63
		Madhya Pradesh	32.80
		Punjab	31.52
II .Oilseeds		All - India	284.95
	Groundnut	Gujarat	2.20
		Rajasthan	1.38
		Tamil Nadu	0.88
		All - India	6.69
	Rapeseed & Mustard	Rajasthan	4.08
		Haryana	1.25
		Uttar Pradesh	1.12
		All - India	9.34
	Soybean	Madhya Pradesh	7.20
		Maharashtra	4.55
		Rajasthan	1.17
		All - India	13.79
	Sunflower	Karnataka	0.12
		Odisha	0.02
		Haryana	0.02
		All - India	0.22
	Total Oilseeds	Madhya Pradesh	8.99
		Rajasthan	6.93
		Maharashtra	4.79
III. Other Cash Crops		All - India	32.26
	Sugarcane	Uttar Pradesh	179.71
		Maharashtra	92.44
		Karnataka	42.01
		All - India	400.16
	Cotton @	Maharashtra	7.13
		Gujarat	6.09
		Telangana	4.10
		All - India	28.71
	Jute & Mesta\$	West Bengal	7.69
		Bihar	1.02
		Assam	0.87
		All - India	9.77

Source: Directorate of Economics & Statistics, DAC&FW

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

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

* 4th Advance Estimates.

4.3 : Normal Estimates (Average of 2013-14 to 2017-18) of Area, Production and Yield of Major Crops in India

			Area - Million Hectares Production - Million Tonnes Yield - Kg./ Hectare		
Group of Crops (1)	Crops (2)	Season (3)	Area (4)	Production (5)	Yield (6)
I. Foodgrains	Rice	Kharif	39.63	93.55	2361
		Rabi	4.28	14.25	3332
		Total	43.90	107.80	2455
	Wheat	Rabi	30.56	94.61	3096
	Jowar	Kharif	2.16	2.15	995
		Rabi	3.58	2.77	775
		Total	5.74	4.92	858
	Bajra	Kharif	7.44	9.09	1222
	Maize	Kharif	7.47	17.85	2391
		Rabi	1.75	7.28	4164
		Total	9.21	25.13	2727
	Total Nutri/Coarse Cereals	Kharif	18.83	31.35	1665
		Rabi	5.98	11.73	1961
		Total	24.81	43.08	1736
	Tur	Kharif	4.30	3.54	824
	Total Pulses	Rabi	9.35	8.93	955
		Kharif	11.99	7.23	603
		Rabi	14.60	13.03	892
	Total Foodgrains	Total	26.59	20.26	762
		Kharif	70.45	132.13	1876
		Rabi	55.42	133.62	2411
		Total	125.86	265.75	2111
II .Oilseeds	Groundnut	Total	5.02	8.11	1616
	Rapeseed & Mustard	Rabi	6.05	7.46	1234
	Soyabean	Kharif	11.15	10.98	985
	Sunflower	Total	0.48	0.34	708
	Nine Oilseeds	Total	26.08	29.65	1137
III . Other Cash Crops	Sugarcane	Total	4.83	349.78	72388
	Cotton @	Total	12.10	33.22	467
	Jute & Mesta\$	Total	0.79	10.87	2486

Source: Directorate of Economics & Statistics, DAC&FW

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

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

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

A - Area in Million Hectares
P - Production in Million Tonnes
Y - Yield in Kg./Hectare

Year	Kharif			Rabi			Total		
	A	P	Y	A	P	Y	A	P	Y
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
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
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
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	69.20	125.09	1808	54.01	126.45	2341	123.22	251.54	2041
2016-17	73.20	138.33	1890	56.03	136.78	2441	129.23	275.11	2129
2017-18	72.00	140.47	1951	55.53	144.55	2603	127.52	285.01	2235
2018-19*	71.50	141.71	1982	52.44	143.24	2732	123.94	284.95	2299

Source: Directorate of Economics & Statistics, DAC&FW

* 4th Advance Estimates.

**4.5(a): Foodgrains: 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	97.32	50.82	522	18.10
1951-52	96.96	51.99	536	18.41
1952-53	102.09	59.20	580	18.09
1953-54	109.07	69.82	640	18.13
1954-55	107.86	68.03	631	18.42
1955-56	110.56	66.85	605	18.53
1956-57	111.14	69.86	629	18.15
1957-58	109.48	64.31	587	19.28
1958-59	114.76	77.14	672	18.69
1959-60	115.82	76.67	662	18.77
1960-61	115.58	82.02	710	19.09
1961-62	117.23	82.71	706	19.14
1962-63	117.84	80.15	680	19.80
1963-64	117.42	80.64	687	19.83
1964-65	118.11	89.36	757	20.22
1965-66	115.10	72.35	629	20.92
1966-67	115.30	74.23	644	22.21
1967-68	121.42	95.05	783	21.58
1968-69	120.43	94.01	781	23.55
1969-70	123.57	99.50	805	23.70
1970-71	124.32	108.42	872	24.11
1971-72	122.62	105.17	858	24.49
1972-73	119.28	97.03	813	25.35
1973-74	126.54	104.67	827	24.47
1974-75	121.08	99.83	824	26.52
1975-76	128.18	121.03	944	26.52
1976-77	124.36	111.17	894	27.36
1977-78	127.52	126.41	991	27.72
1978-79	129.01	131.90	1022	28.79
1979-80	125.21	109.70	876	30.35
1980-81	126.67	129.59	1023	29.66
1981-82	129.14	133.30	1032	29.59
1982-83	125.10	129.52	1035	30.83
1983-84	131.16	152.37	1162	30.93
1984-85	126.67	145.54	1149	31.88
1985-86	128.02	150.44	1175	31.38
1986-87	127.20	143.42	1128	32.64
1987-88	119.69	140.35	1173	33.48
1988-89	127.67	169.92	1331	34.42
1989-90	126.77	171.04	1349	34.99
1990-91	127.84	176.39	1380	35.07
1991-92	121.87	168.38	1382	37.37
1992-93	123.15	179.48	1457	37.42
1993-94	122.75	184.26	1501	38.66
1994-95	123.86	191.50	1546	39.61
1995-96	121.01	180.42	1491	40.13
1996-97	123.58	199.34	1614	41.71
1997-98	124.07	192.26	1552	41.71
1998-99	125.17	203.61	1627	43.31
1999-00	123.10	209.80	1704	44.63
2000-01	121.05	196.81	1626	43.70
2001-02	122.78	212.85	1734	43.58
2002-03	113.86	174.77	1535	43.42
2003-04	123.45	213.19	1727	42.60
2004-05	120.08	198.36	1652	44.59
2005-06	121.60	208.60	1715	45.70
2006-07	123.71	217.28	1756	47.18
2007-08	124.07	230.78	1860	47.28
2008-09	122.83	234.47	1909	48.47
2009-10	121.33	218.11	1798	47.84
2010-11	126.67	244.49	1930	48.06
2011-12	124.75	259.29	2078	49.82
2012-13	120.78	257.13	2129	51.30
2013-14	125.05	265.05	2120	51.92
2014-15	124.30	252.03	2028	53.06
2015-16	123.22	251.54	2041	52.62
2016-17	129.23	275.11	2129	-
2017-18	127.52	285.01	2235	-
2018-19*	123.94	284.95	2299	-

Source : Directorate of Economics & Statistics, DAC&FW

* 4th Advance Estimates.

**4.5 (b): Foodgrains: Area, Production and Yield during 2017-18 and 2018-19 in major Producing States
alongwith coverage under Irrigation**

State	2018-19 [#]					2017-18					Area - Million Hectares Production - Million Tonnes Yield - Kg./Hectare
	Area	% to All - India	Production	% to All - India	Yield	Area	% to All - India	Production	% to All - India	Yield	Area
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	Under Irrigation(%) 2015-16*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Uttar Pradesh	19.49	15.73	54.63	19.17	2803	19.80	15.53	51.37	18.02	2594	80.1
Madhya Pradesh	16.41	13.24	32.80	11.51	1999	17.04	13.36	33.45	11.74	1963	58.4
Punjab	6.77	5.46	31.52	11.06	4656	6.73	5.28	31.69	11.12	4709	98.9
Rajasthan	14.94	12.05	21.68	7.61	1451	14.24	11.17	19.96	7.00	1402	35.2
West Bengal	6.41	5.17	18.30	6.42	2856	5.94	4.66	16.88	5.92	2839	53.2
Haryana	4.56	3.68	18.14	6.36	3979	4.46	3.50	16.19	5.68	3632	95.2
Bihar	6.48	5.23	15.69	5.51	2423	6.59	5.17	17.04	5.98	2587	70.4
Andhra Pradesh	4.03	3.25	10.99	3.86	2729	4.14	3.25	12.16	4.27	2934	56.8
Karnataka	7.57	6.11	10.85	3.81	1433	7.65	6.00	11.79	4.14	1542	23.0
Tamil Nadu	3.46	2.79	10.40	3.65	3007	3.54	2.78	10.71	3.76	3028	59.2
Maharashtra	8.68	7.00	9.86	3.46	1136	10.93	8.57	13.25	4.65	1212	17.2
Telangana	3.08	2.49	9.23	3.24	2997	3.25	2.55	9.42	3.31	2903	57.0
Others	22.07	17.80	40.86	14.34	1852	23.21	18.20	41.10	14.42	1771	-
All India	123.94	100.00	284.95	100.00	2299	127.52	100.00	285.01	100.00	2235	52.6

Source : Directorate of Economics & Statistics, DAC&FW

Note: States have been arranged in descending order of percentage share of production during 2018-19.

* Provisional

4th Advance Estimates.

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	31.70
1951-52	29.83	21.30	714	31.71
1952-53	29.97	22.90	764	32.30
1953-54	31.29	28.21	902	33.59
1954-55	30.77	25.22	820	34.41
1955-56	31.52	27.56	874	34.88
1956-57	32.28	29.04	900	35.45
1957-58	32.30	25.53	790	36.38
1958-59	33.17	30.85	930	36.29
1959-60	33.82	31.68	937	35.84
1960-61	34.13	34.58	1013	36.77
1961-62	34.69	35.66	1028	37.47
1962-63	35.69	33.21	931	37.39
1963-64	35.81	37.00	1033	37.08
1964-65	36.46	39.31	1078	37.28
1965-66	35.47	30.59	862	36.53
1966-67	35.25	30.44	864	37.95
1967-68	36.44	37.61	1032	38.56
1968-69	36.97	39.76	1075	38.42
1969-70	37.68	40.43	1073	38.23
1970-71	37.59	42.22	1123	38.36
1971-72	37.76	43.07	1141	37.21
1972-73	36.69	39.24	1070	39.08
1973-74	38.29	44.05	1150	38.38
1974-75	37.89	39.58	1045	38.81
1975-76	39.48	48.74	1235	38.66
1976-77	38.51	41.92	1089	38.39
1977-78	40.28	52.67	1308	40.21
1978-79	40.48	53.77	1328	41.64
1979-80	39.42	42.33	1074	42.83
1980-81	40.15	53.63	1336	40.67
1981-82	40.71	53.25	1308	41.53
1982-83	38.26	47.12	1232	41.96
1983-84	41.24	60.10	1457	42.70
1984-85	41.16	58.34	1417	43.72
1985-86	41.14	63.83	1552	42.86
1986-87	41.17	60.56	1471	44.09
1987-88	38.81	56.86	1465	43.61
1988-89	41.73	70.49	1689	45.79
1989-90	42.17	73.57	1745	46.09
1990-91	42.69	74.29	1740	45.55
1991-92	42.65	74.68	1751	47.30
1992-93	41.78	72.86	1744	48.02
1993-94	42.54	80.30	1888	48.60
1994-95	42.81	81.81	1911	49.87
1995-96	42.84	76.98	1797	49.91
1996-97	43.43	81.73	1882	53.46
1997-98	43.45	82.54	1900	53.22
1998-99	44.80	86.08	1921	55.08
1999-00	45.16	89.68	1986	55.09
2000-01	44.71	84.98	1901	54.37
2001-02	44.90	93.34	2079	54.56
2002-03	41.18	71.82	1744	51.32
2003-04	42.59	88.53	2079	52.89
2004-05	41.91	83.13	1984	55.23
2005-06	43.66	91.79	2102	56.83
2006-07	43.81	93.36	2131	58.02
2007-08	43.91	96.69	2202	57.73
2008-09	45.54	99.18	2178	58.80
2009-10	41.92	89.09	2125	56.88
2010-11	42.86	95.98	2239	58.83
2011-12	44.01	105.30	2393	58.57
2012-13	42.75	105.23	2461	58.47
2013-14	44.14	106.65	2416	59.60
2014-15	44.11	105.48	2391	60.04
2015-16	43.50	104.41	2400	60.13
2016-17	43.99	109.70	2494	-
2017-18	43.77	112.76	2576	-
2018-19*	43.79	116.42	2659	-

Source : Directorate of Economics & Statistics, DAC&FW

* 4th Advance Estimates.

4.6 (b): Rice: Area, Production and Yield during 2017-18 and 2018-19 in major Producing States alongwith coverage under Irrigation

Area - Million Hectares
Production - Million Tonnes
Yield - Kg./Hectare

State	2018-19 [#]					2017-18					Area Under Irrigation(%) 2015-16*
	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)
West Bengal	5.52	12.61	16.05	13.79	2906	5.12	11.68	14.97	13.27	2926	51.1
Uttar Pradesh	5.75	13.12	15.54	13.34	2704	5.81	13.28	13.27	11.77	2283	83.5
Punjab	3.10	7.09	12.82	11.01	4132	3.07	7.00	13.38	11.87	4366	99.7
Andhra Pradesh	2.21	5.04	8.25	7.08	3733	2.16	4.93	8.17	7.24	3788	96.6
Odisha	3.71	8.47	7.31	6.28	1972	3.77	8.60	6.55	5.81	1739	33.7
Telangana	1.95	4.46	6.70	5.76	3436	1.96	4.48	6.26	5.55	3192	97.1
Chattisgarh	3.61	8.23	6.53	5.61	1810	3.76	8.59	4.93	4.37	1311	35.2
Tamil Nadu	1.72	3.93	6.45	5.54	3748	1.83	4.18	6.64	5.89	3630	94.9
Bihar	3.18	7.26	6.04	5.19	1902	3.31	7.55	8.09	7.18	2447	65.4
Assam	2.46	5.62	5.14	4.41	2086	2.43	5.56	5.28	4.69	2171	13.1
Haryana	1.45	3.30	4.52	3.88	3121	1.42	3.25	4.52	4.01	3181	100.0
Madhya Pradesh	1.98	4.52	4.50	3.86	2270	2.04	4.65	4.12	3.66	2026	36.1
Others	7.16	16.34	16.58	14.24	2316	7.11	16.24	16.56	14.69	2330	-
All India	43.79	100.00	116.42	100.00	2659	43.77	100.00	112.76	100.00	2576	60.1

Source : Directorate of Economics & Statistics, DAC&FW

Note: States have been arranged in descending order of percentage share of production during 2018-19.

* Provisional

4th Advance Estimates.

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	33.99
1951-52	9.47	6.18	653	35.76
1952-53	9.83	7.50	763	37.15
1953-54	10.68	8.02	750	36.16
1954-55	11.26	9.04	803	35.00
1955-56	12.37	8.76	708	32.67
1956-57	13.52	9.40	695	29.37
1957-58	11.73	7.99	682	33.32
1958-59	12.62	9.96	789	31.83
1959-60	13.38	10.32	772	31.84
1960-61	12.93	11.00	851	32.74
1961-62	13.57	12.07	890	31.89
1962-63	13.59	10.78	793	33.80
1963-64	13.50	9.85	730	34.94
1964-65	13.42	12.26	913	36.76
1965-66	12.57	10.40	827	43.07
1966-67	12.84	11.39	887	47.97
1967-68	14.99	16.54	1103	43.35
1968-69	15.96	18.65	1169	49.85
1969-70	16.63	20.09	1208	51.14
1970-71	18.24	23.83	1307	54.25
1971-72	19.14	26.41	1380	54.49
1972-73	19.46	24.74	1271	57.62
1973-74	18.58	21.78	1172	57.70
1974-75	18.01	24.10	1338	61.77
1975-76	20.45	28.84	1410	61.76
1976-77	20.92	29.01	1387	65.09
1977-78	21.46	31.75	1480	64.60
1978-79	22.64	35.51	1568	65.96
1979-80	22.17	31.83	1436	68.32
1980-81	22.28	36.31	1630	69.98
1981-82	22.14	37.45	1691	70.68
1982-83	23.57	42.79	1816	72.53
1983-84	24.67	45.48	1843	73.00
1984-85	23.56	44.07	1870	74.47
1985-86	23.00	47.05	2046	74.61
1986-87	23.13	44.32	1916	76.34
1987-88	23.06	46.17	2002	76.84
1988-89	24.11	54.11	2244	79.25
1989-90	23.50	49.85	2121	80.27
1990-91	24.17	55.14	2281	81.14
1991-92	23.26	55.69	2394	83.68
1992-93	24.59	57.21	2327	84.24
1993-94	25.15	59.84	2380	84.77
1994-95	25.70	65.77	2559	85.12
1995-96	25.01	62.10	2483	85.80
1996-97	25.89	69.35	2679	86.86
1997-98	26.70	66.35	2485	86.33
1998-99	27.52	71.29	2590	86.60
1999-00	27.49	76.37	2778	87.16
2000-01	25.73	69.68	2708	88.37
2001-02	26.34	72.77	2762	88.60
2002-03	25.20	65.76	2610	88.80
2003-04	26.59	72.16	2713	89.56
2004-05	26.38	68.64	2602	89.85
2005-06	26.48	69.35	2619	90.55
2006-07	27.99	75.81	2708	90.85
2007-08	28.04	78.57	2802	91.32
2008-09	27.75	80.68	2907	91.69
2009-10	28.46	80.80	2839	91.76
2010-11	29.07	86.87	2988	92.18
2011-12	29.86	94.88	3177	93.05
2012-13	30.00	93.51	3117	93.49
2013-14	30.47	95.85	3146	93.64
2014-15	31.47	86.53	2750	94.28
2015-16	30.42	92.29	3034	94.22
2016-17	30.79	98.51	3200	-
2017-18	29.65	99.87	3368	-
2018-19*	29.14	102.19	3507	-

Source : Directorate of Economics & Statistics, DAC&FW

* 4th Advance Estimates.

4.7 (b): Wheat: Area, Production and Yield during 2017-18 and 2018-19 in major Producing States alongwith coverage under Irrigation

State	2018-19 [#]					2017-18					Area Under Irrigation(%) 2015-16*
	Area	% to All - India	Production	% to All - India	Yield	Area	% to All - India	Production	% to All - India	Yield	
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	
	(1)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	
Uttar Pradesh	9.54	32.74	32.75	32.04	3432	9.75	32.89	31.88	31.92	3269	98.2
Punjab	3.52	12.08	18.24	17.85	5183	3.51	11.84	17.83	17.85	5077	99.0
Madhya Pradesh	5.52	18.95	15.47	15.14	2802	5.32	17.93	15.91	15.93	2993	93.3
Haryana	2.55	8.76	12.57	12.30	4925	2.44	8.23	10.77	10.78	4412	99.6
Rajasthan	3.00	10.29	10.49	10.27	3501	2.81	9.48	9.37	9.38	3334	99.7
Bihar	2.11	7.23	6.15	6.02	2922	2.10	7.09	6.10	6.11	2905	95.7
Gujarat	0.80	2.74	2.40	2.35	3010	1.06	3.57	3.07	3.07	2898	90.8
Maharashtra	0.57	1.95	0.95	0.93	1666	1.02	3.45	1.70	1.70	1657	73.9
Uttarakhand	0.33	1.12	0.94	0.92	2880	0.33	1.12	0.92	0.92	2749	60.0
Himachal Pradesh	0.32	1.09	0.57	0.55	1774	0.32	1.08	0.57	0.57	1774	22.8
Others	0.89	3.05	1.66	1.62	1867	0.98	3.32	1.76	1.77	1794	-
All India	29.14	100.00	102.19	100.00	3507	29.65	100.00	99.87	100.00	3368	94.2

Source : Directorate of Economics & Statistics, DAC&FW

Note: States have been arranged in descending order of percentage share of production during 2018-19.

* Provisional

4th Advance Estimates.

**4.8(a): Nutri Cereals: 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	37.67	15.38	408	7.91	
1951-52	38.88	16.09	414	8.66	
1952-53	42.45	19.61	462	8.15	
1953-54	45.37	22.97	506	7.80	
1954-55	43.92	22.82	520	8.10	
1955-56	43.45	19.49	449	7.97	
1956-57	42.02	19.87	473	7.56	
1957-58	42.91	21.23	495	7.96	
1958-59	44.66	23.18	519	7.48	
1959-60	43.79	22.87	522	7.53	
1960-61	44.96	23.74	528	7.59	
1961-62	44.73	23.22	519	7.09	
1962-63	44.29	24.63	556	7.34	
1963-64	43.93	23.72	540	7.27	
1964-65	44.35	25.37	514	7.27	
1965-66	44.34	21.42	483	8.09	
1966-67	45.09	24.05	533	8.53	
1967-68	47.34	28.80	608	7.99	
1968-69	46.24	25.18	545	9.57	
1969-70	47.24	27.29	578	9.05	
1970-71	45.95	30.55	665	8.31	
1971-72	43.57	24.60	564	8.35	
1972-73	42.21	23.14	548	8.65	
1973-74	46.24	28.83	623	8.28	
1974-75	43.15	26.13	606	10.85	
1975-76	43.80	30.41	694	9.91	
1976-77	41.94	28.88	689	9.72	
1977-78	42.28	30.02	710	8.89	
1978-79	42.23	30.44	721	8.49	
1979-80	41.36	26.97	652	9.92	
1980-81	41.78	29.02	695	9.19	
1981-82	42.45	31.09	733	8.99	
1982-83	40.43	27.75	685	8.97	
1983-84	41.71	33.90	813	7.79	
1984-85	39.21	31.17	795	8.14	
1985-86	39.47	26.20	664	8.42	
1986-87	39.74	26.83	675	9.12	
1987-88	36.55	26.36	721	9.83	
1988-89	38.68	31.47	814	9.23	
1989-90	37.69	34.76	922	9.76	
1990-91	36.32	32.70	900	9.03	
1991-92	33.42	25.99	778	10.72	
1992-93	34.42	36.59	1063	10.05	
1993-94	32.82	30.82	939	10.45	
1994-95	32.17	29.88	929	10.27	
1995-96	30.88	29.03	940	11.00	
1996-97	31.81	34.11	1072	10.36	
1997-98	31.05	30.40	986	11.05	
1998-99	29.34	31.34	1068	11.57	
1999-00	29.34	30.33	1034	12.32	
2000-01	30.26	31.08	1027	12.27	
2001-02	29.52	33.38	1131	11.15	
2002-03	26.99	26.07	966	12.65	
2003-04	30.80	37.60	1221	10.83	
2004-05	29.03	33.46	1153	12.48	
2005-06	29.06	34.07	1172	13.37	
2006-07	28.71	33.92	1182	13.66	
2007-08	28.48	40.75	1431	14.78	
2008-09	27.45	40.04	1459	15.28	
2009-10	27.68	33.55	1212	14.56	
2010-11	28.34	43.40	1531	14.44	
2011-12	26.42	42.01	1590	15.71	
2012-13	24.76	40.04	1617	16.62	
2013-14	25.22	43.29	1717	17.25	
2014-15	25.17	42.86	1703	17.33	
2015-16	24.39	38.52	1579	17.44	
2016-17	25.01	43.77	1750	-	
2017-18	24.29	46.97	1934	-	
2018-19*	21.98	42.95	1954	-	

Source : Directorate of Economics & Statistics, DAC&FW

* 4th Advance Estimates.

4.8 (b): Nutri Cereals : Area, Production and Yield during 2017-18 and 2018-19 in major Producing States alongwith coverage under Irrigation

State	2018-19 [#]					2017-18					Area Under Irrigation(%) 2015-16*
	Area	% to	Production	% to	Yield	Area	% to	Production	% to	Yield	
	All - India	All - India	All - India	All - India	All - India	All - India	All - India	All - India	All - India	All - India	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Rajasthan	5.84	26.56	7.06	16.44	1209	5.91	24.32	6.73	14.33	1140	8.9
Karnataka	2.97	13.50	5.54	12.89	1866	3.44	14.16	6.59	14.04	1918	17.5
Madhya Pradesh	2.02	9.20	5.02	11.69	2483	2.21	9.10	5.30	11.29	2399	6.0
Uttar Pradesh	1.91	8.71	3.95	9.21	2066	1.97	8.12	4.02	8.55	2038	29.6
Tamil Nadu	0.91	4.15	3.38	7.87	3709	0.88	3.64	3.52	7.49	3976	26.4
Maharashtra	3.00	13.65	3.22	7.50	1074	4.24	17.47	5.47	11.65	1290	9.2
Bihar	0.71	3.21	3.06	7.12	4335	0.70	2.89	2.39	5.08	3397	64.3
Telangana	0.62	2.82	2.10	4.89	3388	0.71	2.91	2.64	5.62	3733	29.8
Andhra Pradesh	0.49	2.23	1.99	4.63	4052	0.58	2.39	2.78	5.91	4786	44.7
Gujarat	0.89	4.07	1.74	4.06	1946	0.91	3.76	1.78	3.79	1950	17.6
West Bengal	0.25	1.11	1.39	3.23	5655	0.25	1.05	1.15	2.46	4547	82.8
Haryana	0.49	2.21	0.97	2.27	2002	0.52	2.16	0.83	1.78	1591	64.7
Others	1.88	8.56	3.52	8.20	1871	1.95	8.04	3.76	8.01	1928	-
All India	21.98	100.00	42.95	100.00	1954	24.29	100.00	46.97	100.00	1934	17.4

Source : Directorate of Economics & Statistics, DAC&FW

Note: States have been arranged in descending order of percentage share of production during 2018-19.

* Provisional

4th Advance Estimates.

4.9(a):Jowar: All-India Area, Production and Yield alongwith coverage under Irrigation

Year	Area	Production	Yield	Area - Million Hectares Production - MillionTonnes Yield - Kg./Hectare
				Area Under Irrigation(%)
(1)	(2)	(3)	(4)	(5)
1950-51	15.57	5.50	353	2.98
1951-52	15.94	6.08	381	3.46
1952-53	17.54	7.36	420	3.06
1953-54	17.76	8.08	455	3.09
1954-55	17.46	9.20	527	3.29
1955-56	17.36	6.73	387	3.58
1956-57	16.24	7.33	451	3.40
1957-58	17.31	8.64	499	3.53
1958-59	17.96	9.03	503	3.46
1959-60	17.71	8.58	484	3.61
1960-61	18.41	9.81	533	3.55
1961-62	18.25	8.03	440	3.69
1962-63	18.41	9.75	529	3.71
1963-64	18.38	9.20	501	3.92
1964-65	18.06	9.68	536	3.77
1965-66	17.68	7.58	429	4.05
1966-67	18.05	9.22	511	3.95
1967-68	18.42	10.05	545	3.94
1968-69	18.73	9.80	523	4.45
1969-70	18.61	9.72	522	4.06
1970-71	17.37	8.11	466	3.64
1971-72	16.78	7.72	460	4.44
1972-73	15.51	6.97	449	3.26
1973-74	16.72	9.10	544	3.97
1974-75	16.19	10.41	643	4.61
1975-76	16.09	9.50	591	4.89
1976-77	15.77	10.52	667	5.06
1977-78	16.32	12.06	739	4.89
1978-79	16.15	11.44	708	4.80
1979-80	16.67	11.65	699	4.89
1980-81	15.81	10.43	660	4.68
1981-82	16.60	12.06	727	4.63
1982-83	16.38	10.75	657	4.27
1983-84	16.43	11.92	725	4.14
1984-85	15.94	11.40	715	4.35
1985-86	16.10	10.20	633	4.50
1986-87	15.95	9.19	576	4.94
1987-88	16.00	12.20	762	4.93
1988-89	14.60	10.17	697	5.75
1989-90	14.84	12.90	869	6.30
1990-91	14.36	11.68	814	5.62
1991-92	12.36	8.10	655	6.51
1992-93	13.04	12.81	982	6.13
1993-94	12.71	11.41	895	6.17
1994-95	11.51	8.97	779	6.62
1995-96	11.33	9.33	823	6.80
1996-97	11.43	10.94	957	6.95
1997-98	10.80	7.53	697	7.37
1998-99	9.79	8.42	859	8.08
1999-00	10.25	8.68	847	8.27
2000-01	9.86	7.53	764	8.33
2001-02	9.80	7.56	771	7.40
2002-03	9.30	7.01	754	7.85
2003-04	9.33	6.68	716	7.59
2004-05	9.09	7.24	797	8.77
2005-06	8.67	7.63	880	8.48
2006-07	8.47	7.15	844	8.32
2007-08	7.76	7.93	1021	8.91
2008-09	7.53	7.25	962	9.25
2009-10	7.79	6.70	860	8.79
2010-11	7.38	7.00	949	8.70
2011-12	6.25	5.98	957	9.68
2012-13	6.21	5.28	850	9.65
2013-14	5.79	5.54	956	9.58
2014-15	6.16	5.45	884	9.90
2015-16	6.08	4.24	697	10.26
2016-17	5.62	4.57	812	-
2017-18	5.02	4.80	956	-
2018-19*	3.84	3.76	979	-

Source : Directorate of Economics & Statistics, DAC&FW

* 4th Advance Estimates.

4.9 (b): Jowar: Area, Production and Yield during 2017-18 and 2018-19 in major Producing States alongwith coverage under Irrigation

Area - Million Hectares
Production - Million Tonnes
Yield - Kg./ Hectare

State	2018-19 [#]					2017-18					Area Under Irrigation(%) 2015-16*
	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)
Karnataka	0.87	22.53	0.91	24.11	1048	1.09	21.65	1.14	23.74	1048	13.3
Maharashtra	1.40	36.35	0.86	22.90	617	2.23	44.41	1.61	33.45	720	9.5
Tamil Nadu	0.38	10.02	0.49	12.97	1268	0.39	7.68	0.43	8.96	1117	11.0
Rajasthan	0.56	14.70	0.47	12.49	832	0.52	10.27	0.30	6.26	583	0.4
Andhra Pradesh	0.16	4.06	0.35	9.40	2266	0.14	2.79	0.30	6.26	2146	26.0
Madhya Pradesh	0.14	3.59	0.31	8.14	2218	0.27	5.37	0.57	11.87	2112	0.6
Uttar Pradesh	0.15	3.83	0.18	4.87	1247	0.17	3.36	0.21	4.47	1270	5.7
Gujarat	0.08	1.98	0.10	2.56	1265	0.09	1.81	0.13	2.60	1374	19.8
Others	0.11	2.95	0.10	2.66	909	0.13	2.66	0.11	2.39	859	-
All India	3.84	100.00	3.76	100.00	979	5.02	100.00	4.80	100.00	956	10.3

Source : Directorate of Economics & Statistics, DAC&FW

Note: States have been arranged in descending order of percentage share of production during 2018-19.

* Provisional

4th Advance Estimates.

4.10(a): Bajra: 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	9.02	2.60	288	3.45
1951-52	9.52	2.35	246	3.82
1952-53	10.77	3.19	296	3.33
1953-54	12.20	4.55	373	3.11
1954-55	11.37	3.52	310	3.64
1955-56	11.34	3.43	302	3.60
1956-57	11.25	2.87	255	3.06
1957-58	11.17	3.62	324	2.94
1958-59	11.43	3.87	338	3.02
1959-60	10.70	3.49	327	2.76
1960-61	11.47	3.28	286	2.79
1961-62	11.28	3.65	323	2.59
1962-63	10.96	3.96	361	2.68
1963-64	11.10	3.88	349	2.29
1964-65	11.83	4.52	382	2.32
1965-66	11.97	3.75	314	2.76
1966-67	12.24	4.47	365	3.12
1967-68	12.81	5.19	405	2.97
1968-69	12.05	3.80	315	4.09
1969-70	12.49	5.33	426	4.20
1970-71	12.91	8.03	622	3.98
1971-72	11.77	5.32	452	3.65
1972-73	11.82	3.93	333	4.55
1973-74	13.93	7.52	540	4.19
1974-75	11.29	3.27	290	5.54
1975-76	11.57	5.74	496	5.08
1976-77	10.75	5.85	544	4.89
1977-78	11.10	4.73	426	4.43
1978-79	11.39	5.57	489	4.37
1979-80	10.58	3.95	373	5.97
1980-81	11.66	5.34	458	5.53
1981-82	11.78	5.54	470	5.95
1982-83	10.94	5.13	469	5.96
1983-84	11.83	7.72	653	4.84
1984-85	10.62	6.05	569	5.15
1985-86	10.65	3.66	344	5.10
1986-87	11.27	4.51	401	5.98
1987-88	8.71	3.30	378	8.37
1988-89	12.04	7.78	646	5.26
1989-90	10.90	6.65	610	6.28
1990-91	10.48	6.89	658	5.10
1991-92	10.03	4.67	465	6.50
1992-93	10.62	8.88	836	5.80
1993-94	9.55	4.97	521	6.58
1994-95	10.22	7.16	700	5.50
1995-96	9.32	5.38	577	6.23
1996-97	9.98	7.87	788	5.44
1997-98	9.89	7.64	773	5.97
1998-99	9.30	6.96	748	6.94
1999-00	8.90	5.78	650	8.11
2000-01	9.83	6.76	688	7.81
2001-02	9.53	8.28	869	6.60
2002-03	7.74	4.72	610	9.62
2003-04	10.61	12.11	1141	6.30
2004-05	9.23	7.93	859	8.16
2005-06	9.58	7.68	802	9.13
2006-07	9.51	8.42	886	9.56
2007-08	9.57	9.97	1042	10.25
2008-09	8.75	8.89	1015	9.28
2009-10	8.90	6.51	731	9.18
2010-11	9.61	10.37	1079	8.02
2011-12	8.78	10.28	1171	8.12
2012-13	7.30	8.74	1198	9.11
2013-14	7.81	9.25	1184	9.05
2014-15	7.32	9.18	1255	9.51
2015-16	7.13	8.07	1132	10.54
2016-17	7.46	9.73	1305	-
2017-18	7.48	9.21	1231	-
2018-19*	6.93	8.61	1243	-

Source : Directorate of Economics & Statistics, DAC&FW

* 4th Advance Estimates.

4.10 (b): Bajra: Area, Production and Yield during 2017-18 and 2018-19 in major Producing States alongwith coverage under Irrigation

Area - Million Hectares
Production - Million Tonnes
Yield - Kg./Hectare

State	2018-19 [#]					2017-18					Area Under Irrigation(%) 2015-16*
	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)
Rajasthan	4.18	60.32	3.81	44.22	911	4.24	56.63	3.75	40.76	886	5.4
Uttar Pradesh	0.88	12.65	1.78	20.66	2029	0.93	12.37	1.79	19.49	1940	14.6
Haryana	0.42	6.13	0.88	10.20	2068	0.45	6.02	0.72	7.83	1602	60.1
Gujarat	0.40	5.71	0.83	9.66	2101	0.40	5.31	0.96	10.48	2430	22.3
Madhya Pradesh	0.26	3.69	0.63	7.31	2458	0.31	4.14	0.76	8.20	2435	0.0
Maharashtra	0.50	7.27	0.31	3.65	623	0.79	10.56	0.67	7.28	849	5.0
Karnataka	0.19	2.78	0.18	2.14	954	0.23	3.09	0.29	3.11	1241	10.3
Others	0.10	1.44	0.19	2.17	1875	0.14	1.89	0.26	2.86	1866	-
All India	6.93	100.00	8.61	100.00	1243	7.48	100.00	9.21	100.00	1231	10.5

Source : Directorate of Economics & Statistics, DAC&FW

Note: States have been arranged in descending order of percentage share of production during 2018-19.

* Provisional

4th Advance Estimates.

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./Hectare
				Area Under Irrigation(%)
(1)	(2)	(3)	(4)	(5)
1950-51	3.16	1.73	547	11.35
1951-52	3.31	2.08	627	16.42
1952-53	3.61	2.87	796	14.03
1953-54	3.87	3.04	785	11.50
1954-55	3.75	2.98	794	14.59
1955-56	3.70	2.60	704	11.76
1956-57	3.76	3.08	819	13.12
1957-58	4.08	3.15	772	13.39
1958-59	4.27	3.46	812	10.47
1959-60	4.34	4.07	938	9.94
1960-61	4.41	4.08	926	12.63
1961-62	4.51	4.31	957	9.46
1962-63	4.64	4.61	992	11.45
1963-64	4.58	4.56	995	11.40
1964-65	4.62	4.66	1010	12.09
1965-66	4.80	4.82	1005	16.12
1966-67	5.07	4.89	964	15.65
1967-68	5.58	6.27	1123	11.89
1968-69	5.72	5.70	997	19.53
1969-70	5.86	5.67	968	18.23
1970-71	5.85	7.49	1279	15.86
1971-72	5.67	5.10	900	14.32
1972-73	5.84	6.39	1094	18.77
1973-74	6.02	5.80	965	14.66
1974-75	5.86	5.56	948	20.98
1975-76	6.03	7.26	1203	16.15
1976-77	6.00	6.36	1060	17.66
1977-78	5.68	5.97	1051	16.32
1978-79	5.76	6.20	1076	16.34
1979-80	5.72	5.60	979	23.98
1980-81	6.01	6.96	1159	20.14
1981-82	5.94	6.90	1162	19.78
1982-83	5.72	6.55	1145	21.66
1983-84	5.86	7.92	1352	16.94
1984-85	5.80	8.44	1456	17.52
1985-86	5.80	6.64	1146	18.72
1986-87	5.92	7.59	1282	21.19
1987-88	5.56	5.72	1029	21.22
1988-89	5.90	8.23	1395	20.95
1989-90	5.92	9.65	1632	20.75
1990-91	5.90	8.96	1518	19.72
1991-92	5.86	8.06	1376	22.47
1992-93	5.96	9.99	1676	21.46
1993-94	6.00	9.60	1602	22.44
1994-95	6.14	8.88	1570	20.59
1995-96	5.98	9.53	1595	22.63
1996-97	6.26	10.77	1720	21.15
1997-98	6.32	10.82	1711	20.82
1998-99	6.20	11.15	1797	21.65
1999-00	6.42	11.51	1792	22.31
2000-01	6.61	12.04	1822	21.79
2001-02	6.58	13.16	2000	20.54
2002-03	6.64	11.15	1681	20.07
2003-04	7.34	14.98	2041	19.28
2004-05	7.43	14.17	1907	21.06
2005-06	7.59	14.71	1938	22.67
2006-07	7.89	15.10	1912	22.25
2007-08	8.12	18.96	2335	24.31
2008-09	8.17	19.73	2414	25.06
2009-10	8.26	16.72	2024	24.21
2010-11	8.55	21.73	2542	24.54
2011-12	8.78	21.76	2478	25.67
2012-13	8.67	22.26	2566	25.86
2013-14	9.07	24.26	2676	27.16
2014-15	9.19	24.17	2632	26.58
2015-16	8.81	22.57	2563	26.73
2016-17	9.63	25.90	2689	-
2017-18	9.38	28.75	3065	-
2018-19*	9.18	27.23	2965	-

Source : Directorate of Economics & Statistics, DAC&FW

* 4th Advance Estimates.

4.11(b): Maize: Area, Production and Yield during 2017-18 and 2018-19 in major Producing States alongwith coverage under Irrigation

Area - Million Hectares
Production - Million Tonnes
Yield - Kg./ Hectare

State	2018-19#					2017-18					Area Under Irrigation(%) 2015-16*
	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)
Karnataka	1.34	14.62	3.73	13.69	2777	1.31	13.93	3.85	13.40	2948	29.4
Madhya Pradesh	1.37	14.87	3.68	13.52	2697	1.35	14.42	3.54	12.30	2615	5.1
Bihar	0.68	7.40	3.02	11.10	4451	0.68	7.22	2.35	8.19	3476	65.8
Tamil Nadu	0.38	4.17	2.51	9.22	6551	0.32	3.46	2.59	9.01	7986	44.6
Telangana	0.56	6.04	2.03	7.46	3658	0.63	6.72	2.56	8.89	4057	31.6
Rajasthan	0.86	9.33	1.96	7.19	2285	0.87	9.27	1.79	6.24	2063	5.0
Maharashtra	0.95	10.33	1.93	7.08	2032	1.06	11.34	3.05	10.61	2868	12.7
Andhra Pradesh	0.27	2.91	1.56	5.75	5861	0.34	3.58	2.32	8.08	6912	75.2
Uttar Pradesh	0.73	7.98	1.53	5.63	2090	0.72	7.72	1.60	5.56	2208	47.5
West Bengal	0.24	2.60	1.38	5.07	5780	0.24	2.52	1.13	3.95	4805	85.0
Others	1.81	19.71	3.89	14.29	2149	1.86	19.81	3.96	13.77	2129	-
All India	9.18	100.00	27.23	100.00	2965	9.38	100.00	28.75	100.00	3065	26.7

Source : Directorate of Economics & Statistics, DAC&FW

Note: States have been arranged in descending order of percentage share of production during 2018-19.

* Provisional

4th Advance Estimates.

4.12(a): Total Pulses: 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	19.09	8.41	441	9.43
1951-52	18.78	8.42	448	9.68
1952-53	19.84	9.19	463	9.76
1953-54	21.73	10.62	489	9.24
1954-55	21.91	10.95	500	8.80
1955-56	23.22	11.04	476	8.40
1956-57	23.32	11.55	495	7.30
1957-58	22.54	9.56	424	9.13
1958-59	24.31	13.15	541	8.44
1959-60	24.83	11.80	475	8.47
1960-61	23.56	12.70	539	8.02
1961-62	24.24	11.76	485	8.08
1962-63	24.27	11.53	475	8.91
1963-64	24.18	10.07	416	8.86
1964-65	23.88	12.42	520	9.15
1965-66	22.72	9.94	438	9.41
1966-67	22.12	8.35	377	10.86
1967-68	22.65	12.10	534	8.70
1968-69	21.26	10.42	490	9.77
1969-70	22.02	11.69	531	9.38
1970-71	22.54	11.82	524	8.75
1971-72	22.15	11.09	501	8.75
1972-73	20.92	9.91	474	8.15
1973-74	23.43	10.01	427	7.89
1974-75	22.03	10.02	455	8.11
1975-76	24.45	13.04	533	7.86
1976-77	22.98	11.36	494	7.50
1977-78	23.50	11.97	510	7.14
1978-79	23.66	12.18	515	7.90
1979-80	22.26	8.57	385	8.76
1980-81	22.46	10.63	473	8.95
1981-82	23.84	11.51	483	8.50
1982-83	22.83	11.86	519	8.19
1983-84	23.54	12.89	548	7.47
1984-85	22.74	11.96	526	7.86
1985-86	24.42	13.36	547	8.53
1986-87	23.16	11.71	506	9.63
1987-88	21.27	10.96	515	9.41
1988-89	23.15	13.85	598	9.34
1989-90	23.41	12.86	549	9.99
1990-91	24.66	14.26	578	10.48
1991-92	22.54	12.02	533	10.69
1992-93	22.36	12.82	573	10.46
1993-94	22.25	13.30	598	11.30
1994-95	23.03	14.04	610	12.72
1995-96	22.28	12.31	552	12.90
1996-97	22.45	14.15	630	12.80
1997-98	22.87	12.97	567	11.23
1998-99	23.50	14.91	634	12.11
1999-00	21.12	13.42	635	12.98
2000-01	20.35	11.08	544	12.64
2001-02	22.01	13.37	607	13.32
2002-03	20.50	11.13	543	13.97
2003-04	23.46	14.91	635	13.65
2004-05	22.76	13.13	577	14.04
2005-06	22.39	13.38	598	14.55
2006-07	23.19	14.20	612	15.45
2007-08	23.63	14.76	625	15.89
2008-09	22.09	14.57	659	16.47
2009-10	23.28	14.66	630	16.21
2010-11	26.40	18.24	691	14.92
2011-12	24.46	17.09	699	16.13
2012-13	23.26	18.34	789	18.51
2013-14	25.21	19.25	764	19.72
2014-15	23.55	17.15	728	19.86
2015-16	24.91	16.32	655	19.08
2016-17	29.45	23.13	786	-
2017-18	29.81	25.42	853	-
2018-19*	29.03	23.40	806	-

Source : Directorate of Economics & Statistics, DAC&FW

* 4th Advance Estimates.

4.12 (b): Total Pulses: Area, Production and Yield during 2017-18 and 2018-19 in major Producing States alongwith coverage under Irrigation

Area - Million Hectares
Production - Million Tonnes
Yield - Kg./ Hectare

State	2018-19#					2017-18					Area Under Irrigation(%) 2015-16*
	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)
Madhya Pradesh	6.88	23.71	7.81	33.39	1135	7.48	25.09	8.11	31.91	1084	39.7
Rajasthan	5.90	20.34	3.68	15.71	622	5.33	17.88	3.41	13.40	639	21.5
Uttar Pradesh	2.30	7.91	2.40	10.24	1044	2.26	7.59	2.20	8.66	973	27.6
Maharashtra	3.51	12.09	2.16	9.23	616	4.21	14.12	3.35	13.17	795	10.7
Karnataka	3.37	11.62	1.86	7.94	551	3.02	10.14	1.95	7.68	645	8.2
Andhra Pradesh	1.33	4.57	0.75	3.21	567	1.41	4.72	1.22	4.79	865	1.8
Jharkhand	0.74	2.57	0.73	3.13	984	0.79	2.66	0.84	3.29	1055	7.0
Gujarat	0.65	2.24	0.66	2.84	1023	0.91	3.05	0.92	3.63	1016	13.5
Tamil Nadu	0.83	2.85	0.57	2.42	687	0.82	2.77	0.56	2.19	675	10.7
Chhattisgarh	0.74	2.56	0.54	2.29	722	0.79	2.65	0.55	2.16	697	16.3
West Bengal	0.51	1.74	0.48	2.04	944	0.46	1.54	0.44	1.75	969	31.9
Bihar	0.49	1.68	0.44	1.87	898	0.48	1.60	0.45	1.79	954	4.9
Others	1.78	6.14	1.33	5.67	747	1.85	6.21	1.42	5.58	768	-
All India	29.03	100.00	23.40	100.00	806	29.81	100.00	25.42	100.00	853	19.1

Source : Directorate of Economics & Statistics, DAC&FW

Note: States have been arranged in descending order of percentage share of production during 2018-19.

* Provisional

4th Advance Estimates.

4.13 (a): Gram: 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	7.57	3.65	482	12.48
1951-52	6.83	3.39	496	15.12
1952-53	7.26	4.21	580	14.60
1953-54	7.97	4.83	606	14.02
1954-55	9.25	5.62	608	12.76
1955-56	9.78	5.42	554	12.10
1956-57	9.67	6.23	644	10.84
1957-58	9.09	4.89	538	12.46
1958-59	10.08	7.02	697	12.02
1959-60	10.33	5.62	544	12.35
1960-61	9.28	6.25	674	11.94
1961-62	9.57	5.79	605	12.22
1962-63	9.19	5.36	583	13.72
1963-64	9.35	4.50	481	13.65
1964-65	8.87	5.78	651	15.84
1965-66	8.02	4.22	527	16.35
1966-67	8.00	3.62	453	18.78
1967-68	8.26	5.97	723	15.58
1968-69	7.11	4.31	607	18.83
1969-70	7.75	5.55	715	17.32
1970-71	7.84	5.20	663	15.63
1971-72	7.91	5.08	642	14.99
1972-73	6.97	4.54	651	15.65
1973-74	7.76	4.10	528	15.78
1974-75	7.04	4.02	570	17.55
1975-76	8.32	5.88	707	16.54
1976-77	7.97	5.42	680	15.20
1977-78	7.97	5.41	678	14.71
1978-79	7.71	5.74	745	15.63
1979-80	6.99	3.36	481	18.61
1980-81	6.58	4.33	657	20.57
1981-82	7.87	4.64	590	17.87
1982-83	7.40	5.29	715	15.63
1983-84	7.16	4.75	663	14.54
1984-85	6.91	4.56	661	14.85
1985-86	7.80	5.79	742	15.63
1986-87	6.98	4.53	649	19.43
1987-88	5.77	3.63	629	19.23
1988-89	6.81	5.13	753	18.28
1989-90	6.47	4.22	652	20.97
1990-91	7.52	5.36	712	20.50
1991-92	5.58	4.12	739	24.23
1992-93	6.45	4.42	684	21.98
1993-94	6.36	4.98	783	24.03
1994-95	7.54	6.44	853	25.39
1995-96	7.12	4.98	700	26.01
1996-97	6.85	5.57	813	25.70
1997-98	7.56	6.13	811	21.98
1998-99	8.47	6.80	803	21.24
1999-00	6.15	5.12	833	27.66
2000-01	5.19	3.86	744	30.66
2001-02	6.42	5.47	853	30.71
2002-03	5.91	4.24	717	32.24
2003-04	7.05	5.72	811	30.44
2004-05	6.71	5.47	815	31.12
2005-06	6.93	5.60	808	31.42
2006-07	7.49	6.33	845	31.22
2007-08	7.54	5.75	762	34.21
2008-09	7.89	7.06	895	33.67
2009-10	8.17	7.48	915	32.40
2010-11	9.19	8.22	894	29.69
2011-12	8.30	7.70	928	33.54
2012-13	8.52	8.83	1036	36.46
2013-14	9.93	9.53	960	35.18
2014-15	8.25	7.33	889	38.60
2015-16	8.40	7.06	840	38.65
2016-17	9.63	9.38	974	-
2017-18	10.56	11.38	1078	-
2018-19*	9.44	10.13	1073	-

Source : Directorate of Economics & Statistics, DAC&FW

* 4th Advance Estimates

4.13 (b):Gram: Area, Production and Yield during 2017-18 and 2018-19 in major Producing States alongwith coverage under Irrigation

Area - Million Hectares
Production - Million Tonnes
Yield - Kg./ Hectare

State	2018-19#					2017-18					Area Under Irrigation(%) 2015-16*
	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)
Madhya Pradesh	3.43	36.37	4.61	45.54	1344	3.59	33.99	4.60	40.38	1280	63.8
Rajasthan	1.60	16.92	1.76	17.39	1103	1.57	14.89	1.69	14.84	1074	70.3
Maharashtra	1.29	13.70	1.07	10.58	829	2.00	18.94	1.83	16.12	917	24.3
Uttar Pradesh	0.57	6.06	0.73	7.18	1272	0.50	4.74	0.58	5.09	1155	21.2
Karnataka	1.09	11.58	0.57	5.66	525	1.27	11.98	0.78	6.88	619	11.8
Chattisgarh	0.32	3.41	0.33	3.26	1026	0.32	3.01	0.32	2.82	1010	44.7
Andhra Pradesh	0.48	5.07	0.24	2.39	506	0.52	4.92	0.59	5.17	1132	0.4
Gujarat	0.17	1.83	0.23	2.26	1324	0.29	2.77	0.38	3.31	1285	43.8
Jharkhand	0.19	2.01	0.22	2.14	1143	0.23	2.20	0.29	2.51	1228	21.4
Others	0.29	3.06	0.36	3.60	1259	0.27	2.54	0.33	2.88	1223	-
All India	9.44	100.00	10.13	100.00	1073	10.56	100.00	11.38	100.00	1078	38.7

Source: Directorate of Economics & Statistics, DAC&FW

Note: States have been arranged in descending order of percentage share of production during 2018-19.

* Provisional

4th Advance Estimates.

4.14(a): Tur (Arhar): 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	2.18	1.72	788	0.49
1951-52	2.45	1.83	748	0.52
1952-53	2.40	1.70	709	0.64
1953-54	2.40	1.86	775	0.61
1954-55	2.40	1.72	715	0.53
1955-56	2.29	1.86	814	0.43
1956-57	2.29	1.99	867	0.34
1957-58	2.36	1.48	625	0.51
1958-59	2.47	1.70	688	0.53
1959-60	2.43	1.70	700	0.53
1960-61	2.43	2.07	849	0.49
1961-62	2.45	1.37	559	0.49
1962-63	2.45	1.58	645	0.41
1963-64	2.52	1.38	549	0.40
1964-65	2.58	1.89	733	0.55
1965-66	2.56	1.73	678	0.39
1966-67	2.52	1.13	448	0.69
1967-68	2.67	1.74	653	0.45
1968-69	2.53	1.82	718	0.54
1969-70	2.67	1.84	690	0.34
1970-71	2.66	1.88	709	0.27
1971-72	2.35	1.68	718	0.30
1972-73	2.42	1.93	795	0.37
1973-74	2.65	1.41	532	0.38
1974-75	2.53	1.83	725	0.47
1975-76	2.67	2.10	786	0.44
1976-77	2.57	1.73	672	0.47
1977-78	2.63	1.93	735	0.49
1978-79	2.64	1.89	716	0.78
1979-80	2.73	1.76	643	1.84
1980-81	2.84	1.96	689	2.57
1981-82	3.00	2.24	745	2.07
1982-83	2.93	1.99	680	2.37
1983-84	3.22	2.58	801	3.03
1984-85	3.16	2.58	819	3.93
1985-86	3.18	2.44	767	4.25
1986-87	3.15	2.27	722	4.24
1987-88	3.33	2.28	685	4.90
1988-89	3.49	2.72	779	4.72
1989-90	3.60	2.75	763	5.06
1990-91	3.59	2.41	673	5.50
1991-92	3.63	2.13	588	5.17
1992-93	3.58	2.33	652	4.89
1993-94	3.53	2.69	762	5.07
1994-95	3.31	2.14	644	5.51
1995-96	3.45	2.31	670	5.24
1996-97	3.51	2.66	756	5.67
1997-98	3.36	1.85	551	5.56
1998-99	3.44	2.71	787	4.31
1999-00	3.43	2.69	786	4.29
2000-01	3.63	2.25	618	4.35
2001-02	3.33	2.26	679	4.86
2002-03	3.36	2.19	651	4.80
2003-04	3.52	2.36	670	4.39
2004-05	3.52	2.35	667	4.47
2005-06	3.58	2.74	765	3.95
2006-07	3.56	2.31	650	4.56
2007-08	3.73	3.08	826	4.31
2008-09	3.38	2.27	671	4.65
2009-10	3.47	2.46	711	4.53
2010-11	4.37	2.86	654	4.02
2011-12	4.01	2.65	661	3.79
2012-13	3.89	3.02	776	3.93
2013-14	3.90	3.17	813	4.27
2014-15	3.85	2.81	729	4.01
2015-16	3.96	2.56	646	3.84
2016-17	5.34	4.87	913	-
2017-18	4.44	4.29	967	-
2018-19*	4.78	3.59	751	-

Source: Directorate of Economics & Statistics, DAC&FW

* 4th Advance Estimates.

4.14 (b): Tur (Arhar): Area, Production and Yield during 2017-18 and 2018-19 in major Producing States alongwith coverage under Irrigation

Area - Million Hectares
Production - Million Tonnes
Yield - Kg./ Hectare

State	2018-19#					2017-18					Area Under Irrigation(%) 2015-16*
	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)
Karnataka	1.52	31.88	0.98	27.20	641	0.89	19.94	0.76	17.77	861	5.2
Maharashtra	1.21	25.33	0.68	19.09	566	1.24	27.95	1.13	26.29	909	1.6
Madhya Pradesh	0.45	9.32	0.58	16.09	1297	0.65	14.58	0.84	19.56	1297	2.1
Gujarat	0.25	5.33	0.31	8.57	1209	0.27	6.11	0.34	7.85	1243	7.5
Uttar Pradesh	0.25	5.26	0.27	7.58	1084	0.28	6.35	0.33	7.72	1175	12.9
Jharkhand	0.23	4.84	0.23	6.54	1015	0.19	4.36	0.22	5.18	1147	0.5
Telangana	0.30	6.20	0.19	5.35	648	0.33	7.44	0.26	6.14	798	0.8
Odisha	0.14	3.02	0.15	4.10	1022	0.14	3.11	0.12	2.88	897	-
Tamil Nadu	0.04	0.86	0.05	1.32	1152	0.05	1.11	0.05	1.25	1093	6.6
Andhra Pradesh	0.25	5.23	0.05	1.26	181	0.28	6.29	0.12	2.80	430	1.4
Others	0.13	2.74	0.10	2.91	797	0.12	2.77	0.11	2.55	892	-
All-India	4.78	100.00	3.59	100.00	751	4.44	100.00	4.29	100.00	967	3.8

Source: Directorate of Economics & Statistics, DAC&FW

Note: States have been arranged in descending order of percentage share of production during 2018-19.

* Provisional

4th Advance Estimates.

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

Area - Million Hectares

Production - Million Tonnes

Yield - Kg./Hectare

Year (1)	Area (2)	Production (3)	Yield (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
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
2015-16	1.28	0.98	765
2016-17	1.46	1.22	838
2017-18	1.55	1.62	1047
2018-19*	1.51	1.56	1032

Source: Directorate of Economics & Statistics, DAC&FW

* 4th Advance Estimates.

4.15 (b): Lentil (Masur): Area, Production and Yield during 2017-18 and 2018-19 in major Producing States

Area - Million Hectares
Production - Million Tonnes
Yield - Kg./ Hectare

State	2018-19#					2017-18				
	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	0.56	37.02	0.64	41.05	1145	0.60	38.47	0.68	41.87	1139
Uttar Pradesh	0.48	31.46	0.49	31.27	1026	0.48	31.24	0.50	30.71	1029
West Bengal	0.19	12.23	0.17	11.02	930	0.16	10.20	0.15	9.55	980
Bihar	0.15	9.58	0.14	9.14	985	0.14	8.92	0.15	9.10	1068
Jharkhand	0.06	3.78	0.05	3.23	882	0.07	4.48	0.06	3.85	900
Rajasthan	0.02	1.31	0.02	1.47	1162	0.03	2.02	0.03	2.08	1074
Assam	0.03	1.72	0.02	1.19	712	0.03	1.82	0.02	1.30	746
Others	0.04	2.89	0.03	1.63	583	0.04	2.84	0.03	1.55	570
All-India	1.51	100.00	1.56	100.00	1032	1.55	100.00	1.62	100.00	1047

Source : Directorate of Economics & Statistics, DAC&FW

Note: States have been arranged in descending order of percentage share of production during 2018-19.

4th Advance Estimates.

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	0.85
1953-54	10.99	5.37	488	0.98
1954-55	12.52	6.40	511	1.10
1955-56	12.09	5.73	474	2.41
1956-57	12.49	6.36	509	2.73
1957-58	12.66	6.35	502	3.52
1958-59	13.00	7.30	561	3.25
1959-60	13.95	6.56	470	3.10
1960-61	13.77	6.98	507	3.29
1961-62	14.77	7.28	493	3.62
1962-63	15.34	7.39	482	3.33
1963-64	14.82	7.13	481	3.71
1964-65	15.26	8.56	561	3.41
1965-66	15.25	6.40	419	3.74
1966-67	15.00	6.43	428	5.11
1967-68	15.67	8.30	530	4.99
1968-69	14.47	6.85	473	4.77
1969-70	14.81	7.73	522	6.10
1970-71	16.64	9.63	579	7.39
1971-72	17.27	9.08	526	7.72
1972-73	15.79	7.14	452	7.23
1973-74	16.90	9.39	555	8.79
1974-75	17.31	9.15	529	9.24
1975-76	16.92	10.61	627	7.90
1976-77	16.47	8.43	512	7.59
1977-78	17.17	9.66	563	10.44
1978-79	17.71	10.10	570	10.95
1979-80	16.94	8.74	516	12.59
1980-81	17.60	9.37	532	14.45
1981-82	18.91	12.08	639	15.40
1982-83	17.76	10.00	563	15.64
1983-84	18.69	12.69	679	16.99
1984-85	18.92	12.95	684	19.63
1985-86	19.02	10.83	570	17.33
1986-87	18.63	11.27	605	17.89
1987-88	20.13	12.65	629	20.59
1988-89	21.90	18.03	824	22.32
1989-90	22.80	16.92	742	22.07
1990-91	24.15	18.61	771	22.90
1991-92	25.89	18.60	719	25.53
1992-93	25.24	20.11	797	24.08
1993-94	26.90	21.50	799	22.84
1994-95	25.30	21.34	843	25.01
1995-96	25.96	22.11	851	25.97
1996-97	26.31	24.38	927	26.21
1997-98	26.09	21.32	817	24.33
1998-99	26.20	24.75	945	23.77
1999-00	24.26	20.71	854	25.02
2000-01	22.77	18.44	810	22.40
2001-02	22.64	20.66	913	24.36
2002-03	21.49	14.84	691	23.20
2003-04	23.66	25.19	1064	24.96
2004-05	27.52	24.35	885	27.04
2005-06	27.86	27.98	1004	28.41
2006-07	26.51	24.29	916	29.01
2007-08	26.69	29.76	1115	27.19
2008-09	27.56	27.72	1006	27.09
2009-10	25.96	24.88	958	25.91
2010-11	27.22	32.48	1193	24.89
2011-12	26.31	29.80	1133	27.54
2012-13	26.48	30.94	1168	28.17
2013-14	28.05	32.75	1168	27.30
2014-15	25.60	27.51	1075	27.37
2015-16	26.09	25.25	968	28.40
2016-17	26.18	31.28	1195	-
2017-18	24.51	31.46	1284	-
2018-19*	25.50	32.26	1265	-

Source : Directorate of Economics & Statistics, DAC&FW

Note:

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 included soybean, sunflower, nigerseed and safflower.

* 4th Advance Estimates

NA-Not Available

4.16 (b): Nine Oilseeds: Area, Production and Yield during 2017-18 and 2018-19 in major Producing States alongwith coverage under Irrigation

State	2018-19#					2017-18					Area - Million Hectares Production - Million Tonnes Yield - Kg./ Hectare
	Area	% to All - India	Production	% to All - India	Yield	Area	% to All - India	Production	% to All - India	Yield	Area Under Irrigation(%) 2015-16*
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Madhya Pradesh	7.26	28.49	8.99	27.87	1237	6.64	27.10	6.95	22.09	1046	5.3
Rajasthan	4.36	17.11	6.93	21.47	1587	4.14	16.88	6.11	19.43	1477	62.8
Maharashtra	4.35	17.06	4.79	14.84	1101	4.13	16.87	4.21	13.37	1017	2.3
Gujarat	2.55	10.02	3.72	11.53	1456	2.76	11.25	5.86	18.63	2125	34.3
Uttar Pradesh	1.23	4.84	1.33	4.13	1080	1.09	4.44	1.15	3.64	1054	40.6
Haryana	0.63	2.45	1.27	3.95	2038	0.56	2.28	1.12	3.57	2008	90.3
West Bengal	0.94	3.69	1.16	3.59	1230	0.95	3.86	1.13	3.61	1198	82.8
Karnataka	1.08	4.24	0.91	2.83	845	1.10	4.48	0.97	3.09	883	29.1
Tamil Nadu	0.39	1.54	0.91	2.81	2310	0.38	1.55	1.04	3.30	2729	66.1
Telangana	0.32	1.26	0.57	1.76	1773	0.37	1.53	0.67	2.13	1791	37.6
Andhra Pradesh	0.87	3.41	0.53	1.64	607	0.83	3.37	1.10	3.49	1328	24.8
Others	1.50	5.89	1.15	3.58	769	1.57	6.39	1.15	3.67	738	-
All India	25.50	100.00	32.26	100.00	1265	24.51	100.00	31.46	100.00	1284	28.4

Source : Directorate of Economics & Statistics, DAC&FW

Note: States have been arranged in descending order of percentage share of production during 2018-19.

* Provisional

4th Advance Estimates.

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	1.23
1953-54	4.25	3.45	811	1.54
1954-55	5.54	4.25	766	1.67
1955-56	5.13	3.86	752	1.70
1956-57	5.53	4.37	783	1.79
1957-58	6.42	4.71	734	2.85
1958-59	6.25	5.18	828	2.51
1959-60	6.44	4.56	708	2.47
1960-61	6.46	4.81	745	3.02
1961-62	6.89	4.99	725	3.35
1962-63	7.28	5.06	695	2.64
1963-64	6.89	5.30	769	3.03
1964-65	7.38	6.00	814	2.94
1965-66	7.70	4.26	554	3.37
1966-67	7.30	4.41	604	4.78
1967-68	7.55	5.73	759	5.36
1968-69	7.09	4.63	653	5.14
1969-70	7.13	5.13	720	5.75
1970-71	7.33	6.11	834	7.55
1971-72	7.51	6.18	823	7.28
1972-73	6.99	4.09	585	6.64
1973-74	7.02	5.93	845	9.13
1974-75	7.06	5.11	724	8.20
1975-76	7.22	6.76	935	6.87
1976-77	7.04	5.26	747	5.90
1977-78	7.03	6.09	866	8.11
1978-79	7.43	6.21	835	9.59
1979-80	7.17	5.77	805	12.05
1980-81	6.80	5.01	736	13.30
1981-82	7.43	7.22	972	14.24
1982-83	7.22	5.28	732	14.84
1983-84	7.54	7.09	940	16.04
1984-85	7.17	6.44	898	16.05
1985-86	7.12	5.12	719	14.79
1986-87	6.98	5.88	841	15.10
1987-88	6.84	5.85	855	19.01
1988-89	8.53	9.66	1132	18.59
1989-90	8.71	8.10	930	16.96
1990-91	8.31	7.51	904	18.63
1991-92	8.67	7.09	818	19.14
1992-93	8.17	8.56	1049	19.71
1993-94	8.32	7.83	941	19.39
1994-95	7.85	8.06	1027	19.82
1995-96	7.52	7.58	1007	18.11
1996-97	7.60	8.64	1138	17.53
1997-98	7.09	7.37	1040	19.45
1998-99	7.40	8.98	1214	19.92
1999-00	6.87	5.25	764	18.69
2000-01	6.56	6.41	977	16.89
2001-02	6.24	7.03	1127	17.07
2002-03	5.94	4.12	694	15.98
2003-04	5.99	8.13	1357	16.82
2004-05	6.64	6.77	1020	17.03
2005-06	6.74	7.99	1187	18.36
2006-07	5.62	4.86	866	20.87
2007-08	6.29	9.18	1459	22.24
2008-09	6.16	7.17	1163	21.24
2009-10	5.48	5.43	991	23.99
2010-11	5.86	8.26	1411	21.80
2011-12	5.26	6.96	1323	24.34
2012-13	4.72	4.70	995	25.30
2013-14	5.51	9.71	1764	25.76
2014-15	4.77	7.40	1552	26.66
2015-16	4.60	6.73	1465	28.92
2016-17	5.34	7.46	1398	-
2017-18	4.89	9.25	1893	-
2018-19*	4.81	6.69	1393	-

* 4th Advance Estimates.

NA-Not Available

Source: Directorate of Economics & Statistics, DAC&FW

4.17 (b): Groundnut: Area, Production and Yield during 2017-18 and 2018-19 in major Producing States alongwith coverage under Irrigation

State	2018-19#					2017-18					Area - Million Hectares
											Production - Million Tonnes
											Yield - Kg./ Hectare
	Area	% to All - India	Production	% to All - India	Yield	Area	% to All - India	Production	% to All - India	Yield	Area Under Irrigation(%) 2015-16*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Gujarat	1.59	33.17	2.20	32.79	1377	1.68	34.35	3.94	42.55	2345	12.4
Rajasthan	0.67	14.01	1.38	20.65	2053	0.64	13.11	1.26	13.61	1966	87.5
Tamil Nadu	0.34	6.98	0.88	13.12	2620	0.33	6.70	1.01	10.89	3078	39.5
Andhra Pradesh	0.76	15.79	0.48	7.13	629	0.74	15.04	1.05	11.33	1426	16.0
Karnataka	0.59	12.20	0.47	7.03	803	0.56	11.54	0.55	5.97	980	29.3
Madhya Pradesh	0.24	4.89	0.37	5.51	1570	0.22	4.58	0.35	3.77	1558	10.5
Telangana	0.13	2.60	0.30	4.41	2364	0.17	3.42	0.37	4.02	2230	91.6
Maharashtra	0.22	4.63	0.21	3.21	966	0.29	5.95	0.34	3.72	1183	20.8
West Bengal	0.07	1.37	0.18	2.76	2797	0.07	1.44	0.17	1.79	2343	-
Others	0.21	4.35	0.23	3.38	1081	0.19	3.87	0.22	2.34	1144	-
All India	4.81	100.00	6.69	100.00	1393	4.89	100.00	9.25	100.00	1893	28.9

Note: States have been arranged in descending order of percentage share of production during 2017-18.

* Provisional

4th Advance Estimates.

Source: Directorate of Economics & Statistics, DAC&FW

**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	0.09
1955-56	2.56	0.86	336	10.39
1956-57	2.54	1.04	411	13.53
1957-58	2.41	0.93	387	12.96
1958-59	2.45	1.04	426	13.02
1959-60	2.91	1.06	365	12.31
1960-61	2.88	1.35	467	12.05
1961-62	3.17	1.35	425	13.18
1962-63	3.13	1.30	417	13.33
1963-64	3.05	0.92	300	16.08
1964-65	2.91	1.47	507	15.23
1965-66	2.91	1.30	446	15.78
1966-67	3.01	1.23	408	20.28
1967-68	3.24	1.57	483	14.83
1968-69	2.87	1.35	469	18.41
1969-70	3.17	1.56	493	23.54
1970-71	3.32	1.98	594	25.16
1971-72	3.61	1.43	396	28.59
1972-73	3.32	1.81	545	26.75
1973-74	3.46	1.70	493	30.38
1974-75	3.68	2.25	612	35.37
1975-76	3.34	1.94	580	31.25
1976-77	3.13	1.55	496	34.41
1977-78	3.58	1.65	460	39.68
1978-79	3.54	1.86	525	39.69
1979-80	3.47	1.43	411	41.94
1980-81	4.11	2.30	560	43.65
1981-82	4.40	2.38	541	44.88
1982-83	3.83	2.21	577	43.90
1983-84	3.87	2.61	673	46.58
1984-85	3.99	3.07	771	53.26
1985-86	3.98	2.68	674	51.30
1986-87	3.72	2.60	700	51.77
1987-88	4.62	3.45	748	54.71
1988-89	4.83	4.38	906	59.97
1989-90	4.97	4.13	831	61.62
1990-91	5.78	5.23	904	59.82
1991-92	6.55	5.86	895	63.87
1992-93	6.19	4.80	776	60.05
1993-94	6.29	5.33	847	59.34
1994-95	6.01	5.76	958	62.77
1995-96	6.55	6.00	916	66.36
1996-97	6.55	6.66	1017	67.56
1997-98	7.04	4.70	668	58.98
1998-99	6.51	5.66	869	61.70
1999-00	6.03	5.79	961	63.30
2000-01	4.48	4.19	936	66.10
2001-02	5.07	5.08	1002	69.05
2002-03	4.54	3.88	854	70.58
2003-04	5.43	6.29	1159	71.47
2004-05	7.32	7.59	1038	71.97
2005-06	7.28	8.13	1117	73.57
2006-07	6.79	7.44	1095	75.55
2007-08	5.83	5.83	1001	76.01
2008-09	6.30	7.20	1143	74.33
2009-10	5.59	6.61	1183	71.93
2010-11	6.90	8.18	1185	69.82
2011-12	5.89	6.60	1121	73.45
2012-13	6.36	8.03	1262	76.52
2013-14	6.65	7.88	1185	76.58
2014-15	5.80	6.28	1083	76.65
2015-16	5.75	6.80	1183	79.92
2016-17	6.07	7.92	1304	-
2017-18	5.98	8.43	1410	-
2018-19*	6.23	9.34	1499	-

Source : Directorate of Economics & Statistics, DAC&FW

* 4th Advance Estimates.

NA- Not Available

4.18 (b): Rapeseed & Mustard: Area, Production and Yield during 2017-18 and 2018-19 in major Producing States alongwith coverage under Irrigation

State	2018-19#					2017-18					Area - Million Hectares Production - Million Tonnes Yield - Kg./ Hectare
	Area	% to All - India	Production	% to All - India	Yield	Area	% to All - India	Production	% to All - India	Yield	Area Under Irrigation(%) 2015-16*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Rajasthan	2.37	38.07	4.08	43.69	1720	2.21	36.98	3.54	42.01	1602	93.4
Haryana	0.61	9.78	1.25	13.42	2058	0.55	9.18	1.11	13.14	2018	90.3
Uttar Pradesh	0.75	12.08	1.12	11.96	1483	0.68	11.36	0.95	11.21	1392	85.5
Madhya Pradesh	0.78	12.49	1.11	11.85	1422	0.75	12.51	0.98	11.58	1305	58.5
West Bengal	0.62	9.87	0.72	7.71	1171	0.62	10.29	0.72	8.57	1175	91.2
Gujarat	0.20	3.14	0.34	3.65	1745	0.22	3.70	0.40	4.74	1808	95.3
Assam	0.29	4.61	0.19	2.03	660	0.29	4.86	0.19	2.20	639	0.0
Jharkhand	0.24	3.80	0.16	1.74	685	0.31	5.10	0.22	2.59	715	45.2
Bihar	0.08	1.35	0.11	1.17	1305	0.08	1.32	0.10	1.17	1245	67.5
Punjab	0.03	0.51	0.05	0.52	1523	0.03	0.51	0.05	0.54	1498	93.2
Others	0.27	4.31	0.21	2.27	787	0.25	4.18	0.19	2.25	759	-
All India	6.23	100.00	9.34	100.00	1499	5.98	100.00	8.43	100.00	1410	79.9

Source : Directorate of Economics & Statistics, DAC&FW

Note: States have been arranged in descending order of percentage share of production during 2018-19.

* Provisional

4th Advance Estimates.

4.19(a): Soybean: 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	0.03	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	2.60
1993-94	4.37	4.75	1086	2.50
1994-95	4.32	3.93	911	2.90
1995-96	5.04	5.10	1012	3.70
1996-97	5.44	5.38	989	2.70
1997-98	5.99	6.46	1079	2.60
1998-99	6.49	7.14	1100	2.50
1999-00	6.22	7.08	1138	1.60
2000-01	6.42	5.28	823	1.40
2001-02	6.34	5.96	940	1.70
2002-03	6.11	4.65	762	0.80
2003-04	6.55	7.82	1193	1.40
2004-05	7.57	6.87	908	1.62
2005-06	7.71	8.27	1073	1.71
2006-07	8.33	8.85	1063	1.09
2007-08	8.88	10.97	1235	1.15
2008-09	9.51	9.91	1041	0.98
2009-10	9.73	9.96	1024	0.73
2010-11	9.60	12.74	1327	0.60
2011-12	10.11	12.21	1208	0.61
2012-13	10.84	14.67	1353	0.63
2013-14	11.72	11.86	1012	0.64
2014-15	10.91	10.37	951	0.70
2015-16	11.60	8.57	738	0.87
2016-17	11.18	13.16	1177	-
2017-18	10.33	10.93	1058	-
2018-19*	11.33	13.79	1217	-

Source : Directorate of Economics & Statistics, DAC&FW

* 4th Advance Estimates.

NA- Not Available

4.19 (b): Soybean: Area, Production and Yield during 2017-18 and 2018-19 in major Producing States alongwith coverage under Irrigation

State	2018-19#					2017-18					Area - Million Hectares
											Production - Million Tonnes
	Area	% to All - India	Production	% to All - India	Yield	Area	% to All - India	Production	% to All - India	Yield	Yield - Kg./ Hectare
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	Area Under Irrigation(%) 2015-16*
Madhya Pradesh	5.60	49.45	7.20	52.23	1285	5.01	48.51	5.32	48.67	1062	0.4
Maharashtra	4.04	35.68	4.55	32.99	1125	3.69	35.76	3.80	34.80	1030	0.4
Rajasthan	0.93	8.22	1.17	8.48	1254	0.89	8.58	1.07	9.79	1207	1.7
Karnataka	0.29	2.58	0.29	2.14	1008	0.28	2.68	0.25	2.31	913	6.2
Telangana	0.15	1.31	0.23	1.70	1584	0.15	1.47	0.25	2.26	1624	11.3
Gujarat	0.14	1.20	0.17	1.26	1276	0.15	1.41	0.12	1.06	791	0.0
Others	0.18	1.56	0.17	1.20	933	0.16	1.58	0.12	1.12	746	-
All India	11.33	100.00	13.79	100.00	1217	10.33	100.00	10.93	100.00	1058	0.9

Source : Directorate of Economics & Statistics, DAC&FW

Note: States have been arranged in descending order of percentage share of production during 2018-19.

* Provisional

4th Advance Estimates.

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	17.70
1994-95	2.00	1.22	610	18.20
1995-96	2.12	1.26	593	21.00
1996-97	1.93	1.25	646	21.10
1997-98	1.74	0.89	510	21.60
1998-99	1.82	0.95	521	20.10
1999-00	1.29	0.69	536	23.30
2000-01	1.07	0.65	605	27.60
2001-02	1.18	0.68	577	24.10
2002-03	1.64	0.87	531	22.90
2003-04	2.00	0.93	464	15.40
2004-05	2.16	1.19	549	26.44
2005-06	2.34	1.44	615	24.09
2006-07	2.16	1.23	567	26.22
2007-08	1.91	1.46	765	31.35
2008-09	1.81	1.16	639	30.10
2009-10	1.48	0.85	576	28.69
2010-11	0.93	0.65	699	31.23
2011-12	0.73	0.52	712	32.32
2012-13	0.83	0.54	655	29.05
2013-14	0.67	0.50	750	28.57
2014-15	0.59	0.43	736	30.09
2015-16	0.49	0.30	609	28.74
2016-17	0.38	0.25	660	-
2017-18	0.28	0.22	782	-
2018-19*	0.25	0.22	886	-

Source : Directorate of Economics & Statistics, DAC&FW
* 4th Advance Estimates. NA- Not Available

4.20 (b): Sunflower: Area, Production and Yield during 2017-18 and 2018-19 in major Producing States alongwith coverage under Irrigation

Area - Million Hectares

Production - Million Tonnes

Yield - Kg./ Hectare

State	2018-19#					2017-18					Area Under Irrigation(%) 2015-16*
	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)
Karnataka	0.16	63.07	0.12	53.73	754	0.17	61.02	0.11	48.24	618	20.3
Odisha	0.02	6.57	0.02	9.30	1252	0.01	4.38	0.02	6.98	1245	-
Haryana	0.01	3.84	0.02	7.14	1645	0.01	1.76	0.01	4.25	1886	100.0
Bihar	0.01	3.99	0.01	6.43	1426	0.01	3.30	0.01	6.04	1429	83.3
Andhra Pradesh	0.01	5.26	0.01	5.71	962	0.01	3.17	0.01	5.18	1275	44.2
Others	0.04	17.26	0.04	17.70	908	0.07	26.36	0.06	29.31	870	-
All India	0.25	100.00	0.22	100.00	886	0.28	100.00	0.22	100.00	782	28.7

Source : Directorate of Economics & Statistics, DAC&FW

Note: States have been arranged in descending order of percentage share of production during 2018-19.

* Provisional

4th Advance Estimates.

4.21(a): Cotton: All-India Area, Production and Yield alongwith coverage under Irrigation

Year	Area	Production	Yield	Area - Million Hectares
				Production - Million Bales (170 Kg. of each)
				Yield - Kg./ Hectare
				Area Under Irrigation(%)
(1)	(2)	(3)	(4)	(5)
1950-51	5.88	3.04	88	8.22
1951-52	6.56	3.28	85	9.05
1952-53	6.36	3.34	89	8.49
1953-54	6.99	4.13	100	8.40
1954-55	7.55	4.45	100	9.83
1955-56	8.09	4.18	88	9.96
1956-57	8.02	4.92	104	11.03
1957-58	8.01	4.96	105	12.70
1958-59	7.96	4.88	104	12.53
1959-60	7.30	3.68	86	12.86
1960-61	7.61	5.60	125	12.71
1961-62	7.98	4.85	103	13.00
1962-63	7.73	5.54	122	14.09
1963-64	8.22	5.75	119	15.34
1964-65	8.37	6.01	122	15.46
1965-66	7.96	4.85	104	15.90
1966-67	7.84	5.27	114	16.09
1967-68	8.00	5.78	123	16.68
1968-69	7.60	5.45	122	16.48
1969-70	7.73	5.56	122	16.41
1970-71	7.61	4.76	106	17.34
1971-72	7.80	6.95	151	20.29
1972-73	7.68	5.74	127	21.01
1973-74	7.57	6.31	142	22.07
1974-75	7.56	7.16	161	22.92
1975-76	7.35	5.95	138	23.48
1976-77	6.89	5.84	144	24.60
1977-78	7.87	7.24	157	26.19
1978-79	8.12	7.96	167	27.19
1979-80	8.13	7.65	160	27.55
1980-81	7.82	7.01	152	27.28
1981-82	8.06	7.88	166	27.67
1982-83	7.87	7.53	163	29.01
1983-84	7.72	6.39	141	29.93
1984-85	7.38	8.51	196	28.48
1985-86	7.53	8.73	197	30.24
1986-87	6.95	6.91	169	31.11
1987-88	6.46	6.38	168	32.04
1988-89	7.34	8.74	202	32.96
1989-90	7.69	11.42	252	34.21
1990-91	7.44	9.84	225	32.94
1991-92	7.66	9.71	216	33.33
1992-93	7.54	11.40	257	34.61
1993-94	7.32	10.74	249	34.69
1994-95	7.87	11.89	257	34.18
1995-96	9.04	12.86	242	34.97
1996-97	9.12	14.23	265	35.99
1997-98	8.87	10.85	208	37.10
1998-99	9.34	12.29	224	34.06
1999-00	8.71	11.53	225	33.03
2000-01	8.53	9.52	190	32.22
2001-02	9.13	10.00	186	33.82
2002-03	7.67	8.62	191	33.17
2003-04	7.60	13.73	307	32.30
2004-05	8.79	16.43	318	34.81
2005-06	8.68	18.50	362	37.25
2006-07	9.14	22.63	421	37.74
2007-08	9.41	25.88	467	37.62
2008-09	9.41	22.28	403	35.78
2009-10	10.13	24.02	403	35.97
2010-11	11.24	33.00	499	33.81
2011-12	12.18	35.20	491	35.90
2012-13	11.98	34.22	486	33.80
2013-14	11.96	35.90	510	32.48
2014-15	12.82	34.80	462	33.75
2015-16	12.29	30.01	415	32.59
2016-17	10.83	32.58	512	-
2017-18	12.59	32.81	443	-
2018-19*	12.66	28.71	386	-

Source : Directorate of Economics & Statistics, DAC&FW

* 4th Advance Estimates.

4.21 (b): Cotton: Area, Production and Yield during 2017-18 and 2018-19 in major Producing States alongwith coverage under Irrigation

State	2018-19#					2017-18					Area - Million Hectares
	Area	% to All - India	Production	% to All - India	Yield	Area	% to All - India	Production	% to All - India	Yield	Production - Million Bales (170 kg. each) Yield - Kg./ Hectare
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	Under Irrigation(%) 2015-16*
Maharashtra	4.25	33.61	7.13	24.83	285	4.35	34.57	6.09	18.58	238	2.7
Gujarat	2.66	21.01	6.09	21.22	389	2.62	20.85	10.19	31.05	660	58.7
Telangana	1.83	14.43	4.10	14.26	381	1.90	15.07	5.20	15.84	466	11.6
Madhya Pradesh	0.61	4.85	2.33	8.11	645	0.60	4.79	1.62	4.94	457	64.1
Rajasthan	0.63	4.97	2.03	7.06	548	0.58	4.64	1.89	5.77	551	95.7
Haryana	0.71	5.59	2.01	7.01	483	0.67	5.28	1.63	4.96	416	99.9
Andhra Pradesh	0.62	4.91	1.49	5.20	409	0.65	5.13	2.09	6.36	549	15.6
Karnataka	0.74	5.81	1.43	4.98	330	0.55	4.35	1.84	5.62	573	24.8
Punjab	0.27	2.12	1.22	4.26	776	0.29	2.31	1.28	3.91	750	100.0
Others	0.34	2.69	0.88	3.05	437	0.38	3.00	0.97	2.97	438	-
All India	12.66	100.00	28.71	100.00	386	12.59	100.00	32.81	100.00	443	32.6

Source : Directorate of Economics & Statistics, DAC&FW

Note: States have been arranged in descending order of percentage share of production during 2018-19.

* Provisional

4th Advance Estimates.

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

Year	Area	Production	Area - Million Hectares
			Production - Million Bales (180 kg. each)
			Yield - Kg./Hectare
			Yield
(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
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	10.52	2421
2016-17	0.76	10.96	2585
2017-18	0.74	10.03	2435
2018-19*	0.73	9.77	2403

Source: Directorate of Economics & Statistics, DAC&FW

* 4th Advance Estimates.

4.22 (b): Jute & Mesta: Area, Production and Yield during 2017-18 and 2018-19 in major Producing States

Area - Million Hectares										
Production - Million Bales (180 kg. each)										
Yield - Kg./ Hectare										
State	2018-19#					2017-18				
	Area	% to	Production	% to	Yield	Area	% to	Production	% to	Yield
		All - India		All - India			All - India		All - India	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
West Bengal	0.53	72.31	7.69	78.73	2617	0.53	70.84	7.64	76.13	2616
Bihar	0.09	11.63	1.02	10.46	2160	0.10	14.05	1.28	12.76	2211
Assam	0.08	10.52	0.86	8.83	2016	0.07	9.89	0.86	8.59	2114
Odisha	0.01	0.98	0.04	0.41	1000	0.01	0.97	0.04	0.44	1104
Andhra Pradesh	0.00	0.41	0.03	0.31	1820	0.01	0.67	0.05	0.47	1700
Others	0.03	4.15	0.12	1.27	734	0.03	3.58	0.16	1.62	1099
All India	0.73	100.00	9.77	100.00	2403	0.74	100.00	10.03	100.00	2435

Source: Directorate of Economics & Statistics, DAC&FW

Note: States have been arranged in descending order of percentage share of production during 2018-19.

4th Advance Estimates.

4.23(a): Sugarcane: 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	1.71	57.05	33422	67.33
1951-52	1.94	61.63	31786	68.77
1952-53	1.73	51.00	29495	66.29
1953-54	1.41	44.41	31497	67.66
1954-55	1.62	58.74	36303	68.79
1955-56	1.85	60.54	32779	67.19
1956-57	2.05	69.05	33683	64.93
1957-58	2.07	71.16	34325	65.19
1958-59	1.95	73.36	37658	67.40
1959-60	2.14	77.82	36414	67.88
1960-61	2.42	110.00	45549	69.26
1961-62	2.46	103.97	42349	68.04
1962-63	2.24	91.91	40996	67.75
1963-64	2.25	104.23	46353	69.64
1964-65	2.60	121.91	46838	71.52
1965-66	2.84	123.99	43717	71.14
1966-67	2.30	92.83	40336	70.98
1967-68	2.05	95.50	40665	74.08
1968-69	2.53	124.68	49236	76.95
1969-70	2.75	135.02	49121	75.48
1970-71	2.62	126.37	48322	72.38
1971-72	2.39	113.57	47511	71.80
1972-73	2.45	124.87	50933	75.01
1973-74	2.75	140.81	51163	76.46
1974-75	2.89	144.29	49855	77.87
1975-76	2.76	140.60	50903	77.98
1976-77	2.87	153.01	53383	77.19
1977-78	3.15	176.97	56160	78.13
1978-79	3.09	151.66	49114	77.77
1979-80	2.61	128.83	49358	77.20
1980-81	2.67	154.25	57844	81.26
1981-82	3.19	186.36	58359	82.34
1982-83	3.36	189.51	56441	80.54
1983-84	3.11	174.08	55978	80.33
1984-85	2.95	170.32	57673	83.59
1985-86	2.85	170.65	59889	84.51
1986-87	3.08	186.09	60444	85.38
1987-88	3.28	196.74	60006	85.62
1988-89	3.33	203.04	60992	86.18
1989-90	3.44	225.57	65612	86.93
1990-91	3.69	241.05	65395	86.97
1991-92	3.84	254.00	66069	88.01
1992-93	3.57	228.03	63843	88.27
1993-94	3.42	229.66	67120	88.76
1994-95	3.87	275.54	71254	85.39
1995-96	4.15	281.10	67787	87.43
1996-97	4.17	277.56	66496	90.95
1997-98	3.93	279.54	71133	91.57
1998-99	4.05	288.72	71203	91.91
1999-00	4.22	299.32	70934	92.50
2000-01	4.32	295.96	68578	92.17
2001-02	4.41	297.21	67370	92.28
2002-03	4.52	287.38	63576	92.66
2003-04	3.93	233.86	59380	92.27
2004-05	3.66	237.09	64752	92.39
2005-06	4.20	281.17	66919	93.27
2006-07	5.15	355.52	69022	93.80
2007-08	5.06	348.19	68877	93.83
2008-09	4.42	285.03	64553	93.52
2009-10	4.17	292.30	70020	93.80
2010-11	4.88	342.38	70091	92.67
2011-12	5.04	361.04	71668	94.81
2012-13	5.00	341.20	68254	95.16
2013-14	4.99	352.14	70522	95.31
2014-15	5.07	362.33	71511	95.61
2015-16	4.93	348.45	70720	95.80
2016-17	4.44	306.07	69001	-
2017-18	4.74	379.90	80198	-
2018-19*	5.11	400.16	78248	-

Source : Directorate of Economics & Statistics, DAC&FW

* 4th Advance Estimates.

4.23 (b): Sugarcane: Area, Production and Yield during 2017-18 and 2018-19 in major Producing States alongwith coverage under Irrigation

State	2018-19#					2017-18					Under Irrigation(%) 2015-16*
	Area	% to All - India	Production	% to All - India	Yield	Area	% to All - India	Production	% to All - India	Yield	
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	
Uttar Pradesh	2.22	43.49	179.71	44.91	80807	2.23	47.16	177.03	46.60	79245	95.8
Maharashtra	1.16	22.74	92.44	23.10	79500	0.90	19.04	82.98	21.84	92000	100.0
Karnataka	0.51	9.90	42.01	10.50	83000	0.37	7.82	31.14	8.20	84081	99.6
Tamil Nadu	0.16	3.23	16.21	4.05	98240	0.17	3.63	17.15	4.52	99814	100.0
Gujarat	0.17	3.27	12.04	3.01	71971	0.18	3.84	12.07	3.18	66330	94.5
Bihar	0.23	4.41	11.66	2.91	51695	0.23	4.93	13.82	3.64	59138	79.7
Andhra Pradesh	0.10	1.99	8.09	2.02	79325	0.10	2.09	7.79	2.05	78683	91.7
Punjab	0.10	1.86	7.77	1.94	81828	0.10	2.03	8.02	2.11	83580	97.4
Haryana	0.09	1.84	7.57	1.89	80367	0.11	2.41	9.63	2.54	84499	99.9
Madhya Pradesh	0.12	2.31	6.96	1.74	58950	0.10	2.07	5.43	1.43	55408	99.8
Uttarakhand	0.09	1.78	6.33	1.58	69553	0.09	1.90	6.27	1.65	69682	99.0
Telangana	0.04	0.78	2.80	0.70	70000	0.04	0.74	2.60	0.69	74413	100.0
Others	0.12	2.41	6.57	1.64	53358	0.11	2.35	5.95	1.57	53538	-
All India	5.11	100.00	400.16	100.00	78248	4.74	100.00	379.90	100.00	80198	95.8

Source : Directorate of Economics & Statistics, DAC&FW

Note: States have been arranged in descending order of percentage share of production during 2018-19.

* Provisional

4th Advance Estimates.

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
(1)	(2)	(3)	(4)	Yield - Kg./Hectare
				Area Under Irrigation(%)
1950-51	0.36	0.26	731	NA
1951-52	0.29	0.21	723	NA
1952-53	0.36	0.25	675	9.71
1953-54	0.37	0.27	737	9.73
1954-55	0.35	0.26	737	10.84
1955-56	0.41	0.30	739	16.87
1956-57	0.42	0.31	728	20.38
1957-58	0.36	0.24	669	22.50
1958-59	0.38	0.32	836	21.00
1959-60	0.41	0.29	716	22.44
1960-61	0.40	0.31	766	21.95
1961-62	0.42	0.34	811	17.94
1962-63	0.41	0.34	842	18.23
1963-64	0.44	0.36	817	15.42
1964-65	0.41	0.36	876	16.95
1965-66	0.38	0.29	778	16.94
1966-67	0.42	0.35	834	17.06
1967-68	0.42	0.37	871	17.39
1968-69	0.44	0.36	821	20.44
1969-70	0.44	0.34	770	19.55
1970-71	0.45	0.36	810	23.67
1971-72	0.46	0.42	914	24.50
1972-73	0.45	0.37	837	26.28
1973-74	0.46	0.46	1001	24.22
1974-75	0.38	0.36	954	20.98
1975-76	0.37	0.35	950	29.79
1976-77	0.43	0.42	969	30.24
1977-78	0.50	0.49	979	23.33
1978-79	0.41	0.45	1109	30.55
1979-80	0.43	0.44	1031	32.56
1980-81	0.45	0.48	1065	33.70
1981-82	0.44	0.52	1172	33.86
1982-83	0.50	0.58	1157	29.64
1983-84	0.44	0.49	1120	34.05
1984-85	0.44	0.49	1113	37.74
1985-86	0.40	0.44	1111	39.90
1986-87	0.39	0.46	1187	40.66
1987-88	0.32	0.37	1155	45.92
1988-89	0.38	0.49	1307	42.38
1989-90	0.41	0.55	1335	43.18
1990-91	0.41	0.56	1353	43.36
1991-92	0.43	0.58	1369	38.95
1992-93	0.42	0.60	1425	40.44
1993-94	0.38	0.56	1463	43.46
1994-95	0.38	0.57	1486	45.34
1995-96	0.39	0.54	1356	46.55
1996-97	0.43	0.62	1444	46.80
1997-98	0.46	0.64	1394	42.24
1998-99	0.51	0.74	1451	44.33
1999-00	0.43	0.52	1211	47.08
2000-01	0.26	0.34	1318	53.16
2001-02	0.35	0.55	1565	45.78
2002-03	0.33	0.49	1506	46.66
2003-04	0.37	0.55	1486	50.17
2004-05	0.37	0.55	1498	49.02
2005-06	0.37	0.50	1351	48.18
2006-07	0.37	0.47	1274	47.08
2007-08	0.35	0.44	1255	50.26
2008-09	0.39	0.57	1456	47.08
2009-10	0.44	0.69	1559	45.29
2010-11	0.49	0.80	1632	46.43
2011-12	0.47	0.75	1613	51.01
2012-13	0.43	0.66	1542	53.76
2013-14	0.46	0.74	1612	51.62
2014-15	0.47	0.86	1830	58.79
2015-16	0.45	0.80	1781	66.78
2016-17	0.40	0.81	2016	-
2017-18	0.41	0.95	2317	-

Source : Directorate of Economics & Statistics, DAC&FW
NA- Not Available

4.24(b): Tobacco: Area, Production and Yield during 2016-17 and 2017-18 in major Producing States

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

State	2017-18					2016-17					Area Under Irrigation(%) 2015-16*
	Area	% to	Production	% to	Yield	Area	% to	Production	% to	Yield	
		All - India		All - India			All - India		All - India		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Gujarat	174.00	42.37	519.00	54.55	2983	167.00	41.79	375.00	46.55	2246	100.0
Andhra Pradesh	83.00	20.21	180.00	18.92	2169	78.00	19.52	177.00	21.97	2269	33.3
Uttar Pradesh	23.00	5.60	105.00	11.04	4565	27.00	6.76	119.00	14.77	4407	99.7
Karnataka	95.00	23.14	89.00	9.35	937	90.00	22.52	65.00	8.07	722	10.9
Bihar	10.89	2.65	19.13	2.01	1757	10.05	2.51	17.69	2.20	1761	96.0
West Bengal	13.99	3.41	17.67	1.86	1263	15.68	3.92	26.65	3.31	1700	89.8
Telangana	4.00	0.97	13.00	1.37	3250	7.00	1.75	19.00	2.36	2714	75.2
Others	6.74	1.64	8.60	0.90	1276	4.90	1.23	6.17	0.77	1259	-
All India	410.62	100.00	951.40	100.00	2317	399.63	100.00	805.51	100.00	2016	66.8

Source : Directorate of Economics & Statistics, DAC&FW

Note: States have been arranged in descending order of percentage share of production during 2017-18.

4.25: All-India Area, Production and Yield of Guarseed and Sunhemp

Area - '000 Hectares

Yield - Kg/Hectare

Year	Area	Production*	Yield
(1)	(2)	(3)	(4)
Guarseed			
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	3444.2	2217.6	644
2012-13	5151.3	2457.6	477
2013-14	5958.7	3585.3	602
2014-15	5344.8	3275.9	613
2015-16	5603.4	2824.9	504
2016-17	4103.3	1849.5	451
2017-18	3936.5	1624.3	413
Sunhemp			
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	101.8	650
2011-12	21.2	77.6	660
2012-13	17.5	59.1	608
2013-14	12.9	52.1	730
2014-15	11.6	46.8	730
2015-16	11.0	41.6	681
2016-17	10.8	45.4	758
2017-18	10.4	47.0	817

Source : Directorate of Economics & Statistics, DAC&FW

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

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

(Quantity in Lakh Tonnes)

Oilseeds / Oils	2004-05		2005-06		2006-07		2007-08		2008-09		2009-10		2010-11	
	Oilseeds	Oils	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)	(14)	(15)
A. Primary Source														
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	82.65	19.01
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	81.79	25.35
Soybean	68.77	11.00	82.74	13.24	88.51	14.16	109.68	17.55	99.05	15.85	99.65	15.94	127.36	20.38
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	6.51	2.15
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	8.93	2.77
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	1.08	0.32
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	1.50	0.45
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	13.50	5.40
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	1.47	0.44
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	324.79	76.27
B. Secondary Source														
Coconut		5.50		4.20		4.50		4.50		4.50		4.50		4.00
Palm Oil	-		-		-		-		-		-		-	
Cottonseed		4.30		5.70		6.30				7.60		8.00		10.89
Ricebran		6.20		6.80		7.00		7.20		7.70		7.20		7.20
Solvent Extracted Oils		3.50		4.30		3.50		4.00		4.00		4.20		4.20
Tree & Forest Origin		0.80		1.30		1.20		1.20		1.20		1.20		1.20
Sub Total		20.30		22.30		22.50		24.90		25.20		25.10		27.49
Total(A+B)		80.97		91.36		81.50		94.54		91.56		83.98		103.760
C. Less: Exports & Industrial Use		8.50		8.20		7.80		8.00		7.00		4.52		5.94
D. Net Domestic Availability of Edible		72.47		83.16		73.70		86.54		84.56		79.46		97.82
E. Import of Edible Oils \$		45.42		42.88		47.15		56.08		81.83		88.23		72.42
F. Total Availability/ Consumption of Edible Oils		117.89		126.04		120.85		142.62		166.39		167.69		170.24

contd...

(Quantity in Lakh Tonnes)																
Oilseeds / Oils	2011-12		2012-13		2013-14		2014-15		2015-16		2016-17		2017-18*		2018-19**	
	Oilseeds	Oils	Oilseeds	Oils	Oilseeds	Oils	Oilseeds	Oils	Oilseeds	Oils	Oilseeds	Oils	Oilseeds	Oils	Oilseeds	Oils
(1)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)
A. Primary Source																
Groundnut	69.64	16.02	46.95	10.80	97.14	22.34	74.02	17.02	67.33	15.27	74.62	17.16	92.53	20.82	66.95	15.18
Rapeseed & Mustard	66.04	20.47	80.29	24.89	78.77	24.42	62.82	19.47	67.97	21.08	79.17	24.74	84.30	25.81	93.39	28.97
Soybean	122.14	19.54	146.66	23.47	118.60	18.97	103.74	16.60	85.70	13.73	131.59	22.10	109.33	17.59	137.86	22.09
Sunflower	5.16	1.70	5.44	1.80	5.04	1.66	4.34	1.43	2.96	0.98	2.51	0.80	2.22	0.70	2.19	0.73
Sesamum	8.10	2.51	6.85	2.12	7.15	2.21	8.68	2.57	8.50	2.65	7.47	2.45	7.55	2.34	7.55	2.36
Nigerseed	0.98	0.29	1.02	0.31	0.98	0.29	0.76	0.23	0.74	0.21	0.85	0.24	0.70	0.21	0.65	0.19
Safflower	1.45	0.44	1.09	0.33	1.13	0.31	0.90	0.27	0.53	0.15	0.94	0.22	0.55	0.14	0.24	0.07
Castor	22.95	9.18	19.64	7.86	17.27	6.91	18.70	7.48	17.52	6.16	13.76	4.99	15.68	5.51	12.15	4.27
Linseed	1.52	0.46	1.49	0.45	1.41	0.41	1.55	0.47	1.25	0.32	1.84	0.39	1.74	0.44	1.59	0.40
Sub Total	297.98	70.61	309.43	72.03	327.49	77.52	275.51	65.54	252.50	60.55	312.76	73.09	314.59	73.56	322.57	74.26
B. Secondary Source																
Coconut	-	4.00	-	3.90	-	5.30	-	4.80	-	4.32	-	5.20	-	6.01	-	5.90
Palm Oil	-	-	-	-	-	-	-	1.71	-	1.98	-	2.30	-	2.20	-	2.80
Cottonseed	-	11.62	-	11.57	-	12.40	-	12.15	-	10.05	-	12.24	-	12.64	-	11.13
Ricebran	-	7.50	-	7.8	-	8.10	-	9.20	-	9.90	-	10.31	-	10.69	-	10.68
Solvent Extracted Oils	-	4.10	-	4.10	-	3.10	-	3.00	-	3.50	-	2.85	-	3.50	-	3.25
Tree & Forest Origin	-	1.20	-	1.20	-	1.20	-	1.60	-	1.50	-	1.50	-	1.50	-	1.50
Sub Total	-	28.42	-	28.57	-	30.10	-	32.46	-	31.25	-	34.40	-	36.54	-	35.26
Total(A+B)	-	99.03	-	100.60	-	107.62	-	98.00	-	91.80	-	107.49	-	110.10	-	109.52
C. Less: Exports & Industrial Use	-	9.46	-	8.41	-	7.10	-	5.94	-	5.50	-	6.50	-	6.30	-	6.00
D. Net Domestic Availability of Edible	-	89.57	-	92.19	-	101.90	-	92.06	-	86.3	-	100.99	-	103.80	-	103.52
E. Import of Edible Oils	-	99.43	-	106.05	-	109.76	-	138.53	-	148.50	-	153.17	-	145.92	-	128.60[#]
F. Total Availability/ Consumption of Edible Oils	-	189.00	-	198.24	-	211.66	-	230.59	-	234.80	-	254.16	-	249.72	-	-

Source - Directorate of Vanaspati, Vegetable Oils and Fats

* Based on Final Estimates released by Ministry of Agriculture & Farmers Welfare on 03.06.2019

** Based on 4th Advance Estimates released by Ministry of Agriculture & Farmers Welfare on 19.08.2019

\$ As per data from Directorate General of Commercial Intelligence & Statistics, Department of Commerce

Data for Nov 2018-Aug 2019

4.27: State-wise Production of Crude Palm Oil (CPO)

											(Quantity in Tonnes)	
State	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19 (P)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Andhra Pradesh	38000	43593	57402	63487	97987	127570	161566	170478	193562	190999	234696	232938
Karnataka	1037	1170	1118	1459	1740	1770	1736	2176	2538	2051	185	190
Tamil Nadu	273	366	365	486	759	1035	820	1019	1222	1115	938	1017
Odisha	NA	476	589	871	2162	443	558	557	618	NA	0	0
Goa	342	393	279	329	394	372	371	388	581	NA	380	411
Kerala	5750	7400	6600	6900	7500	7378	6303	6515	7015	5929	5191	4791
Mizoram	0	0	0	0	0	0	0	365	496	603	648	625
Telangana	0	4770	5100	5655	8494	6825	9373	10012	12499	8947	27275	37205
Total	45403	58167	71453	79187	119036	145393	180727	191510	218531	209644	269313	277177

Source : Department of Agriculture, Cooperation & Farmers Welfare

P: Provisional

NA- Not Available

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

(Production in Metric Tonnes)

State	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19 (P)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Andhra Pradesh	226200	259495	347892	385009	573024	790881	933981	1007553	1147780	1137398	1427828	1379215
Karnataka	5764	6685	6387	8337	9942	10112	9917	12638	14740	11912	1076	1103
Tamil Nadu	1659	1987	2080	2920	4743	5244	5495	6568	7810	7422	6995	7014
Gujarat	12	2	6	26	91	134	158	409	523	775	996	1053
Odisha	0	2799	3464	5128	12720	2920	3639	3769	4569	4965	6702	6899
Goa	1936	2236	1591	1878	2229	2056	2046	2146	3217	NA	1690	1692
Kerala	29300	38400	35100	41000	43200	41350	38350	40798	40611	34198	30220	30269
Mizoram	0	2	32	88	480	1339	1544	2096	3780	4796	5238	5298
Telangana	0	28190	29937	32176	46779	38624	52752	57873	75447	88119	147516	197632
Chhattisgarh	0	0	0	0	0	0	0	0	0	18	5	6
Total	264871	339796	426488	476561	693207	892660	1047881	1133850	1298477	1289603	1628266	1630181

Source : Department of Agriculture, Cooperation & Farmers Welfare
P Provisional
NA- Not Available

4.28(b): Target and Achievement of Area Expansion under ISOPOM, NMOOP, OPAA & NFSM

(Area in Hectare)

State	2014-15		2015-16		2016-17		2017-18		2018-19 (P)	
	Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Andhra Pradesh	14000	9259	12500	5284	12500	6002	11500	6157	12000	6508
Karnataka	3100	1911	2000	1151	1600	966	1500	1120	1600	1475
Tamil Nadu	1600	398	1511	623	1500	801	1500	906	1200	741
Gujarat	450	281	311	573	451	217	550	428	608	245
Odisha	1246	1246	1744	1374	1260	1918	2050	812	1527	715
Goa	0	13	0	9	0	0	20	5	20	0
Assam	1000	0	560	560	1500	465	1000	814	1914	NR
Kerala	500	24	100	5	50	9	50	6	50	2
Maharashtra	0	0	0	NA	0	0	0	0	0	0
Mizoram	4000	2789	3361	2981	3000	1669	2400	896	1400	608
Chhattisgarh	250	250	1500	1500	2500	1288	1500	844	2000	775
Telangana	2000	972	2000	434	3000	673	2000	1413	1930	870
Arunachal Pradesh	0	0	1200	0	1500	750	1215	843	1738	1159
Nagaland	0	0	550	140	1200	1032	1000	800	1000	500
Total	28146	17143	27337	14634	30061	15790	26285	15044	26987	13598

Source : Department of Agriculture, Cooperation & Farmers Welfare
 P - Provisional NA - Not Available NR-Not Reported
 ISOPOM: Integrated Scheme of Oilseeds, Pulses, Maize and Oil Palm
 NMOOP: National Mission on Oilseeds and Oil Palm
 OPAA: Oil Palm Area Expansion
 NFSM: National food Security Mission

4.28(c): State-wise Potential Area and Area covered under Oil Palm Cultivation upto 2018-19

State	Potential area (ha) re-assessed in 2012	(Area in Hectare) Total Cultivated Area up to March, 2019
(1)	(2)	(3)
Andhra Pradesh	419500	169197
Karnataka	260000	44992
Tamil Nadu	205000	31958
Gujarat	260250	6159
Odisha	56000	22290
Goa	2000	958
Tripura*	7000	530
Assam	25000	1849
Kerala	6500	5786
Maharashtra*	180000	1474
Andaman & Nicobar*	3000	1593
Mizoram	61000	28914
Chhattisgarh	48000	5069
Telangana	50000	19158
Arunachal Pradesh	25000	2752
Nagaland	50000	2472
West Bengal*	25000	0
Meghalaya*	50000	0
Bihar*	200000	0
Total	1933250	345151

Source : Department of Agriculture, Cooperation & Farmers Welfare

* NFSM-OP is not being implemented

4(B)

Yield Rates of Principal Crops

4.1.1: All-India Estimates of Yield of Major Crops

		Yield (Kg/ hectare)													
Crops	Season	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
Rice	Autumn	1349	2804	2892	3107	2186	1776	1938	NA	2158	1645	NA	NA	NA	NA
	Winter	1795	2000	1892	1968	1939	2338	2257	NA	NA	2310	NA	NA	NA	NA
	Kharif	2199	1963	2138	2054	2053	2050	2399	NA	2434	2335	NA	2417	2469	2578
	Total Kharif	1990	2024	2095	2082	2019	2121	2311	2373	2319	2295	2305	2417	2469	2578
	Rabi/Summer	3127	3130	3149	3010	3055	3173	3238	3353	3232	3291	3382	3230	3531	3425
Wheat	Total	2102	2131	2202	2178	2125	2239	2393	2461	2416	2391	2400	2494	2576	2659
	Rabi	2619	2708	2802	2907	2839	2989	3177	3117	3145	2750	3034	3200	3368	3507
	Kharif	1082	992	1176	1055	853	1119	1257	1171	1050	1014	850	954	1104	1100
	Rabi	726	727	894	904	865	827	741	644	896	808	615	730	853	895
	Total	880	844	1021	962	860	949	957	850	957	884	697	812	956	979
Bajra	Kharif	802	886	1042	1015	731	1079	1171	1198	1184	1255	1132	1305	1231	1243
Maize	Kharif	1799	1660	2122	2048	1740	2285	2234	2246	2346	2249	2236	2413	2706	2511
	Rabi/Summer	3076	3793	3854	4387	3694	4003	3765	4152	4050	4414	4006	3897	4436	5117
	Total	1938	1912	2335	2414	2024	2540	2478	2566	2676	2632	2563	2689	3065	2965
Ragi	Kharif	1534	1226	1552	1477	1489	1705	1641	1392	1661	1706	1601	1363	1662	1332
Small Millets	Kharif	443	475	530	491	460	553	565	578	630	654	602	714	804	747
Barley	Rabi	1938	2055	1985	2394	2172	2357	2516	2521	2718	2280	2439	2663	2695	2881
Nutri Cereals	Kharif	1178	1144	1410	1371	1119	1500	1563	1583	1619	1633	1544	1708	1818	1770
	Rabi	1152	1316	1510	1735	1525	1641	1689	1725	2034	1915	1686	1885	2323	2676
	Total	1172	1182	1431	1459	1212	1531	1590	1617	1717	1703	1579	1750	1934	1954
Cereals	Kharif	1693	1706	1846	1841	1693	1893	2056	2116	2089	2081	2065	2188	2259	NA
	Rabi	2427	2526	2645	2721	2649	2800	2969	2931	2995	2681	2862	3010	3239	NA
	Total	1968	2020	2151	2183	2075	2256	2415	2449	2462	2331	2393	2525	2657	NA
Tur (Arhar)	Kharif	765	650	826	671	711	655	662	776	813	729	646	913	967	751
Gram	Rabi	808	845	762	895	915	895	928	1036	960	889	840	974	1078	1073
Urad	Kharif	386	412	475	419	363	557	523	606	490	516	459	626	632	641
	Rabi	540	640	405	506	586	489	621	682	768	891	773	656	798	794
	Total	419	470	457	440	418	542	549	623	555	604	537	632	662	669
Moong	Kharif	277	328	410	348	180	538	475	400	409	428	363	488	440	472
	Rabi	414	434	400	423	409	404	508	538	620	640	554	546	600	593
	Total	304	349	409	364	226	513	483	438	474	498	416	500	477	494
Lentil	Rabi	628	621	622	693	697	591	678	797	759	705	765	838	1047	1032
Other Kharif Pulses	Kharif	237	309	405	367	200	511	420	377	409	474	385	409	441	357
Other Rabi Pulses	Rabi	687	654	674	737	753	708	765	840	816	833	766	867	957	965
Pulses	Kharif	456	449	557	478	397	578	541	594	580	573	489	667	668	598
	Rabi	727	751	688	804	823	790	831	934	891	843	796	898	1015	1010
	Total	598	612	625	659	630	691	699	789	764	728	656	786	853	806
Foodgrains	Kharif	1511	1522	1645	1654	1496	1669	1821	1892	1864	1862	1808	1890	1951	1982
	Rabi	2020	2091	2174	2263	2202	2278	2430	2431	2435	2232	2341	2441	2603	2732
	Total	1715	1756	1860	1909	1798	1930	2078	2129	2120	2028	2041	2129	2235	2299

Source : Directorate of Economics & Statistics, DAC&FW

*4th Advance Estimates.

NA: Not Available.

4.1.2: Kharif Foodgrains: State-wise yield

State/UT (1)	Yield (Kg/hectare)													
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
Andhra Pradesh	2167	2073	2630	2466	1978	2143	2449	2569	2299	2352	2387	2558	2785	2757
Arunachal Pradesh	1201	1204	1234	1249	1568	1674	1780	1803	1818	1915	1476	1706	1588	NA
Assam	1409	1210	1283	1514	1647	1783	1673	1875	1885	1936	1924	1759	2023	1996
Bihar	1096	1469	1197	1574	1145	1118	2152	2263	1758	1966	2111	2444	2428	1915
Chhattisgarh	1212	1236	1335	1100	1048	1539	1481	1633	1662	1562	1431	1994	1278	1725
Goa	2793	2440	2254	2454	2131	2452	2564	2583	2814	2902	2818	2781	2607	NA
Gujarat	1238	1037	1380	1311	1204	1374	1403	1631	1547	1715	1668	1680	1772	1819
Haryana	2214	2466	2629	2283	2428	2323	2609	2801	2837	2714	2697	2783	2725	2807
Himachal Pradesh	1652	2044	2448	2008	1650	2037	2160	2002	2017	1842	2274	2418	2256	2255
Jammu & Kashmir	1656	1691	1710	1935	1611	1713	1706	2161	1877	1436	1894	1816	1763	1821
Jharkhand	1077	1595	1772	1785	1344	1250	1881	1941	1969	1957	1592	1943	2069	1688
Karnataka	1934	1470	1670	1682	1526	1940	1882	1732	1814	1933	1735	1534	1817	1641
Kerala	2214	2329	2227	2348	2456	2329	2588	2475	2498	2712	2681	2447	2663	2813
Madhya Pradesh	963	792	903	931	902	957	1115	1279	1264	1413	1537	1629	1667	1818
Maharashtra	1077	1093	1272	1084	1085	1329	1374	1281	1412	1104	920	1449	1337	1264
Manipur	2241	2241	2348	2285	1832	2371	2541	2263	2094	2323	2565	3676	3330	NA
Meghalaya	1405	1632	1556	1599	1623	1616	1688	1745	2195	2361	2385	1726	2398	NA
Mizoram	1745	767	263	887	1014	1223	1351	1779	1503	1609	1650	1626	1634	NA
Nagaland	1614	1503	1589	1846	1264	1965	1974	2029	2083	2130	1628	1653	1664	NA
Odisha	1346	1352	1486	1342	1385	1410	1258	1575	1582	1730	1290	1873	1525	1719
Punjab	3765	3792	3952	3961	3960	3804	3735	3970	3939	3822	3952	3977	4333	4106
Rajasthan	505	637	820	804	376	864	844	890	789	1000	751	842	829	844
Sikkim	1403	1403	1451	1397	1588	1523	1516	1547	1585	1586	1512	1623	1672	NA
Tamil Nadu	2025	2805	2347	2344	2671	2598	3440	2336	2765	2920	3415	1715	3397	3434
Telangana	-	-	-	-	-	-	-	-	-	2419	2197	2243	2449	2809
Tripura	2169	2433	2549	2684	2639	2545	2542	2664	2637	2753	2701	2649	2617	NA
Uttar Pradesh	1697	1628	1784	1904	1761	1827	2057	2142	2130	1855	1873	2015	2048	2353
Uttarakhand	1551	1606	1633	1580	1577	1535	1670	1693	1725	1796	1828	1853	1933	1815
West Bengal	2350	2356	2302	2415	2371	2457	2520	2551	2559	2495	2698	2564	2726	2716
A & N Islands	2879	2870	3013	2802	2947	2843	2878	2713	2033	2077	2217	2569	3128	NA
D & N Haveli	1545	1545	1545	1529	1018	1637	1544	1664	1607	1601	2170	2168	2008	NA
Delhi	2054	2492	2372	2403	2210	2365	2279	2308	3435	2995	2341	2224	2213	NA
Daman & Diu	2056	2056	1739	2054	1652	1609	1650	1669	1754	2621	1184	1132	1244	NA
Puducherry	2372	2372	2488	2308	2459	2558	2488	2794	3053	2737	2510	2913	2054	NA
Others	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2131
All India	1511	1522	1645	1654	1496	1669	1821	1892	1864	1862	1808	1890	1951	1982

Source : Directorate of Economics & Statistics, DAC&FW

*4th Advance Estimates.

NA- Not Available

4.1.3: Rabi Foodgrains: State-wise Yield

State/UT	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	2016-17	2017-18	2018-19*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
Andhra Pradesh	2669	2452	2590	3123	2677	3052	2622	2805	3108	2966	2744	2675	3086	2699
Arunachal Pradesh	1390	1402	1348	1340	1491	1653	1744	1399	1504	1626	1480	1517	1541	NA
Assam	1446	1594	1774	1704	1726	1684	1829	2293	2029	2333	2274	2222	2339	2041
Bihar	1563	1876	1966	1991	1943	1826	2035	2480	2310	1961	2318	2507	2769	2981
Chhattisgarh	572	661	708	702	770	786	797	857	728	1000	775	1049	867	926
Goa	1067	1383	1892	1042	1093	1063	839	2073	2462	2098	2663	2213	2184	NA
Gujarat	2298	2123	2660	2117	2308	2581	2542	2510	2755	2434	2552	2409	2429	2586
Haryana	3651	4066	3983	4209	4079	4448	4782	4263	4514	3887	4285	4455	4335	4848
Himachal Pradesh	1813	1373	1377	1498	929	1532	1654	1696	1907	1953	1963	2074	1837	1837
Jammu & Kashmir	1740	1829	1713	1671	980	1490	1656	1550	1990	970	1907	1608	1602	1677
Jharkhand	1016	1173	1162	1246	1258	1296	1389	1540	1543	1447	1302	1476	1506	1354
Karnataka	1464	980	1301	1231	1139	1236	1154	1111	1270	1278	808	897	1114	960
Kerala	2268	2338	2197	2754	2517	2625	3052	2769	2634	3190	2995	2808	2967	3112
Madhya Pradesh	1234	1398	1174	1306	1475	1271	1711	1874	1765	2095	2159	2134	2157	2108
Maharashtra	778	827	992	915	988	1019	853	719	991	864	628	1031	1075	925
Manipur	NA	3273	NA	510	510	996	1224	1822	1645	1277	1271	1323	2167	NA
Meghalaya	1886	1587	3463	3138	3163	3163	3228	3826	3872	3500	3512	2527	3516	NA
Mizoram	1939	1174	1286	1263	2038	1902	1992	1435	1551	1571	981	1695	1627	NA
Nagaland	1622	1414	1188	1304	1077	1528	1528	1351	1475	1512	1415	1427	1449	NA
Odisha	1372	4197	1467	1520	1496	1588	1661	1713	1935	1797	1613	1727	1588	1692
Punjab	4165	2224	4495	4452	4298	4683	4888	4661	4972	4252	4547	4676	5048	5155
Rajasthan	1998	1142	2013	2370	2456	2115	2390	2458	2221	2362	2633	2392	2556	2709
Sikkim	1142	1923	940	1119	1024	942	1042	1027	1043	1045	1065	1072	1074	NA
Tamil Nadu	1203	2304	1437	1817	1827	1759	2317	1499	2032	2264	2229	782	2167	2280
Telangana	NA	NA	NA	NA	NA	NA	NA	NA	NA	3408	2813	3219	3651	3370
Tripura	2272	2392	2599	2183	2344	2713	2872	2869	2827	2869	2994	2871	2868	NA
Uttar Pradesh	2327	1946	2534	2714	2561	2809	2827	2840	2747	2057	2451	2829	3001	3132
Uttarakhand	1544	2858	1969	1880	2022	2217	2291	2302	2323	1830	2188	2481	2609	2683
West Bengal	2593	500	2994	2665	2855	2881	2953	3126	3098	3142	3075	3131	3072	3157
A & N Islands	500	975	571	571	606	442	575	508	483	538	650	306	321	NA
D & N Haveli	975	4333	975	974	953	1046	1068	1139	1130	1147	4699	1482	2292	NA
Delhi	4290	846	4347	4343	4362	4325	4344	4412	4408	4416	4399	4425	4306	NA
Daman & Diu	846	1785	846	846	846	846	NA	NA	NA	NA	NA	NA	NA	NA
Puducherry	1785	2091	1455	1973	1935	1920	1545	2309	2710	3445	1858	3073	3110	NA
Others	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2390
All India	2020	2091	2174	2263	2202	2278	2430	2431	2435	2232	2341	2441	2603	2732

Source : Directorate of Economics & Statistics, DAC&FW

*4th Advance Estimates.

NA- Not Available

4.1.4: Total Foodgrains: State-wise yield

														Yield (Kg/hectare)	
State/UT	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19*	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	
Andhra Pradesh	2365	2231	2613	2744	2294	2530	2519	2670	2661	2648	2571	2611	2934	2729	
Arunachal Pradesh	1212	1216	1241	1255	1555	1673	1778	1772	1795	1889	1476	1687	1584	NA	
Assam	1416	1286	1378	1551	1662	1763	1704	1962	1916	2021	1997	1857	2091	2006	
Bihar	1311	1656	1546	1766	1530	1479	2098	2366	2018	1964	2208	2473	2587	2423	
Chhattisgarh	1111	1148	1238	1041	1008	1424	1384	1506	1523	1474	1334	1846	1220	1614	
Goa	2509	2254	2091	2231	1990	2264	2272	2361	2659	2545	2767	2551	2447	NA	
Gujarat	1551	1423	1831	1595	1560	1843	1874	1970	2097	2016	2000	1952	2051	2104	
Haryana	3045	3393	3420	3388	3383	3526	3879	3689	3855	3427	3648	3736	3632	3979	
Himachal Pradesh	1731	1714	1918	1757	1297	1787	1911	1849	1962	1896	2122	2249	2053	2053	
Jammu & Kashmir	1680	1733	1711	1851	1405	1639	1690	1962	1915	1275	1898	1749	1709	1774	
Jharkhand	1073	1550	1709	1720	1330	1257	1798	1876	1891	1871	1546	1856	1957	1629	
Karnataka	1776	1289	1548	1511	1377	1684	1629	1488	1620	1689	1354	1333	1542	1433	
Kerala	2219	2331	2221	2440	2470	2399	2695	2547	2530	2823	2756	2532	2736	2885	
Madhya Pradesh	1130	1167	1069	1168	1285	1162	1510	1676	1603	1856	1941	1947	1963	1999	
Maharashtra	948	940	1150	1001	1039	1184	1155	1038	1207	988	781	1239	1212	1136	
Manipur	2241	2241	2297	2236	1796	2244	2397	1926	1740	1506	1468	1726	2379	NA	
Meghalaya	1455	1800	1774	1783	1809	1803	1873	1997	2389	2532	2555	1846	2566	NA	
Mizoram	1754	822	285	898	1047	1246	1382	1756	1506	1607	1595	1629	1634	NA	
Nagaland	1615	1482	1567	1811	1256	1958	1967	1967	2018	2065	1606	1629	1641	NA	
Odisha	1349	1369	1484	1363	1262	1432	1303	1592	1625	1738	1330	1855	1533	1716	
Punjab	3986	1359	4255	4231	4144	4280	4364	4347	4500	4054	4269	4353	4709	4656	
Rajasthan	919	4017	1180	1263	931	1249	1348	1480	1334	1529	1390	1359	1402	1451	
Sikkim	1354	991	1378	1351	1496	1448	1495	1538	1577	1579	1507	1616	1665	NA	
Tamil Nadu	1847	1354	2125	2225	2477	2393	3162	2131	2554	2720	3063	1406	3028	3007	
Telangana	NA	NA	NA	NA	NA	NA	NA	NA	NA	2723	2353	2576	2903	2997	
Tripura	2194	2610	2563	2526	2544	2587	2620	2711	2680	2783	2775	2709	2685	NA	
Uttar Pradesh	2057	2399	2206	2365	2236	2386	2498	2542	2484	1972	2198	2475	2594	2803	
Uttarakhand	1548	2057	1785	1715	1780	1841	1945	1962	1995	1811	1989	2136	2236	2214	
West Bengal	2423	1760	2525	2493	2522	2601	2645	2717	2721	2698	2819	2738	2839	2856	
A & N Islands	2713	2511	2485	2343	2399	2282	2512	2413	1930	1783	1926	2037	2868	NA	
D & N Haveli	1445	2746	1445	1434	1006	1533	1453	1585	1534	1531	2177	2152	2011	NA	
Delhi	3175	1445	3340	3348	3649	3647	3567	3531	4057	3908	3650	3652	3570	NA	
Daman & Diu	1548	3405	1417	1740	1361	1333	1650	1669	1754	2621	1184	1132	1244	NA	
Puducherry	2180	1548	2130	2201	2297	2351	2269	2650	2953	2899	2285	2960	2348	NA	
Others	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2204	
All India	1715	1756	1860	1909	1798	1930	2078	2129	2120	2028	2041	2129	2235	2299	

Source : Directorate of Economics & Statistics, DAC&FW

*4th Advance Estimates.

NA- Not Available

4.1.5 : Rice: State wise Yield

		Yield (Kg/hectare)																
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	2016-17	2017-18	2018-19*			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)			
Andhra Pradesh	Kharif	2525	2631	3177	2990	2742	2570	2980	2882	2552	2594	2934	3194	3346	3353			
	Rabi	3659	3682	3651	3700	3543	3777	3543	3806	3496	3943	4440	4440	4749	4658			
	Total	2939	2984	3344	3246	3062	3035	3148	3173	2921	3022	3465	3540	3788	3733			
Arunachal Pradesh	Kharif	1195	1195	1275	1293	1777	1925	2065	2086	2092	2241	1584	1680	1768	-			
Assam	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	1915	1746	2013	1988			
	Summer/Rabi	1779	2019	2266	2133	2185	2082	2297	2965	2572	2940	2818	2773	2975	2583			
	Total	1468	1332	1428	1614	1737	1843	1780	2061	2012	2093	2062	1916	2171	2086			
	Autumn	940	962	635	1331	947	896	1399	1521	1142	1194	-	-	-	-			
Bihar	Winter	1090	1584	1332	1647	1132	1100	2322	2420	1865	2108	-	-	-	-			
	Kharif Total	1064	1486	1226	1596	1101	1063	2160	2268	1741	1941	2095	2462	2454	1905			
	Summer/Rabi	1369	1499	1561	1689	1737	2085	1912	2719	2342	2207	2472	2660	2119	1611			
	Total	1075	1486	1237	1599	1120	1095	2155	2282	1759	1948	2104	2467	2447	1902			
	Kharif	1337	1354	1446	1176	1120	1663	1597	1746	1766	1660	1517	2101	1311	1810			
Chhattisgarh	Autumn	2866	2406	2277	2335	1900	2358	2521	2599	2828	2919	2830	2791	-	-			
	Winter	2731	2566	2430	2752	2600	2677	2688	2853	3202	2777	2687	2738	-	-			
	Total Kharif	2822	2458	2330	2466	2136	2467	2577	2679	2954	2871	2783	2774	2619	-			
Goa	Kharif	1949	1799	1895	1698	1866	1956	2024	2095	2038	2297	2148	2238	2179	2210			
	Summer/Rabi	-	-	2970	3080	3048	908	3190	4586	3000	3129	3548	3273	2664	3258			
	Total	1949	1894	1942	1744	1903	1852	2141	2198	2076	2329	2205	2306	2209	2248			
Haryana	Kharif	3051	3238	3361	2726	3008	2789	3044	3272	3256	3113	3061	3213	3181	3121			
Himachal Pradesh	Kharif	1412	1559	1546	1523	1381	1673	1705	1629	1625	1728	1763	1968	1603	1603			
Jammu & Kashmir	Kharif	2150	2194	2133	2186	1914	1942	2078	3126	2250	1871	2123	2019	1876	2096			
Jharkhand	Autumn	628	-	-	-	-	-	2131	2238	2238	-	-	-	-	-			
	Winter	1223	-	-	-	-	-	-	-	-	-	-	-	-	-			
	Kharif Total	1150	1832	2024	2036	1547	1541	2131	2238	2238	2238	1814	2238	2350	1889			
	Rabi	-	-	1000	1504	1504	-	-	-	-	-	-	2912	-	-			
	Total	1150	1828	2018	2031	1546	1541	2131	2238	2238	2238	1814	2241	2350	1889			
Karnataka	Kharif	3657	2402	2545	2412	2345	2705	2717	2545	2545	2573	2704	2487	3030	2985			
	Rabi	3200	2227	2100	2146	2237	2189	2186	1588	1588	2458	2850	2848	3063	3205			
	Summer	4574	2761	2948	2883	2945	2838	3227	3381	3433	3058	-	-	-	-			
	Rabi/ Summer	4423	2690	2855	2805	2875	2759	3077	3030	3077	2969	-	-	-	-			
	Total	3868	2470	2625	2511	2482	2719	2793	2632	2666	2670	2722	2519	3038	3011			
Kerala	Autumn	2162	2264	2169	2428	2486	2415	2519	2548	2625	2890	-	-	-	-			
	Winter	2299	2408	2371	2370	2533	2348	2675	2451	2426	2596	-	-	-	-			
	Kharif Total	2246	2352	2286	2395	2514	2377	2609	2492	2511	2719	2698	2451	2668	2821			
	Summer/Rabi	2726	2622	2407	2980	2719	2689	3155	2846	2682	3234	3094	2883	3048	3226			
	Total	2284	2390	2310	2519	2557	2452	2733	2577	2551	2836	2790	2550	2757	2915			
Madhya Pradesh	Kharif	999	824	938	927	872	1106	1340	1474	1474	1684	1752	1840	2024	2270			
	Kharif	1770	1669	1898	1489	1474	1766	1837	1965	1924	1880	1711	2011	1873	2194			
	Rabi	2098	2105	2128	2273	2250	2219	2074	1897	2289	2581	2375	2328	2376	2545			
Maharashtra	Total	1779	1680	1903	1501	1485	1776	1841	1963	1934	1899	1725	2025	1882	2204			
	Kharif	2322	2322	2446	2357	1889	2453	2642	2546	2201	2678	2670	3837	3561	-			
	Kharif	1432	1695	1602	1651	1673	1671	1752	1807	2241	2436	2460	1649	2474	-			
Manipur	Rabi	2214	4000	4147	3641	3679	3705	3762	4510	4326	4603	4608	3090	4636	-			
	Total	1508	1916	1880	1886	1910	1912	1988	2125	2493	2703	2726	1826	2740	-			
	Kharif	1770	510	285	882	938	1160	1392	2091	1521	1634	1659	1663	1645	-			
Meghalaya	Rabi	2600	1682	1000	2000	1500	-	3000	1933	1600	2313	2550	2213	2049	-			
	Total	1778	559	288	885	939	1160	1411	2088	1522	1643	1671	1669	1650	-			
	Kharif	1682	1600	1685	1994	1426	2102	2106	2204	2260	2319	1581	1624	1643	-			
Nagaland	Kharif	1682	1600	1685	1994	1426	2102	2106	2204	2260	2319	1581	1624	1643	-			

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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	2016-17	2017-18	2018-19*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
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	2075	1652	1886
	Summer	2163	2293	2447	2451	2713	2959	3213	3165	3422	3342	3356	3531	3133	3095
	Total	1531	1534	1694	1529	1585	1616	1450	1814	1821	1992	1491	2160	1739	1972
Punjab	Kharif	3858	3868	4019	4022	4010	3828	3741	3998	3952	3838	3974	3998	4366	4132
Rajasthan	Kharif	1425	1577	2031	1807	1515	2025	1886	1771	2147	2186	2022	2289	2365	2291
Sikkim	Kharif	1433	1433	1636	1476	1869	1727	1730	1790	1815	1818	1230	1847	1856	-
Tamil Nadu	Autumn	3655	4914	4044	3850	4406	4362	5623	3893	4448	4578	-	-	-	-
	Winter	2338	3144	2587	2464	2820	2792	3599	2492	2848	2931	-	-	-	-
	Kharif Total	2483	3339	2748	2617	2994	2965	3821	2646	3024	3113	3666	1610	3544	3660
	Summer	3216	4325	3559	3389	3878	3838	4950	3426	3916	4031	4745	1967	4541	4682
	Total	2546	3423	2817	2683	3070	3040	3918	2712	3100	3191	3758	1642	3630	3748
Telangana	Kharif	-	-	-	-	-	-	-	-	-	2990	2933	2992	2814	3477
	Rabi/Summer	-	-	-	-	-	-	-	-	-	3414	2862	3169	3624	3371
	Total	-	-	-	-	-	-	-	-	-	3138	2913	3075	3192	3436
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	2882	2841	2859	-
	Summer	2372	2392	2698	2234	2409	2817	2992	3020	2995	3087	3130	3221	3254	-
	Total	2260	2472	2633	2586	2606	2655	2700	2800	2800	2903	2946	2940	2963	-
Uttar Pradesh	Kharif	1996	1878	2062	2171	2083	2120	2357	2459	2446	2070	2130	2293	2280	2703
	Rabi/Summer	2179	2278	2526	2091	2270	2316	2458	2583	2593	2500	2720	2846	2975	2975
	Total	1996	1879	2063	2171	2084	2120	2358	2460	2447	2072	2133	2295	2283	2704
Uttarakhand	Kharif	1925	1952	1993	1907	2025	1820	2056	2152	2233	2260	2341	2329	2531	2350
	Zaid/Rabi	2889	2875	3308	3067	2813	3309	3357	3208	3327	3148	3845	3800	3214	2411
	Total	1954	1979	2052	1966	2068	1901	2121	2206	2289	2307	2420	2414	2566	2354
West Bengal	Autumn	2102	2026	2009	2069	2181	2138	2213	2297	2612	2278	-	-	-	-
	Winter	2397	2411	2350	2465	2408	2507	2565	2596	-	2536	-	-	-	-
	Kharif Total	2378	2386	2327	2439	2396	2485	2547	2581	2612	2526	2735	2598	2771	2756
	Summer	2928	3226	3259	2800	2991	3039	3174	3372	3366	3377	3380	3393	3400	3400
	Total	2509	2593	2573	2533	2547	2639	2688	2760	2788	2730	2888	2784	2926	2906
A & N Islands	Kharif	2896	2896	3000	2797	3059	2851	2960	2739	2029	2040	2203	2583	3154	-
D & N Haveli	Kharif	1743	1743	1743	1721	1076	1930	1739	1928	1876	1867	2333	2200	2200	-
Delhi	Kharif	3200	4203	4243	4243	2834	2787	2885	2936	4906	4288	2862	2890	2876	-
Daman & Diu	Kharif	2056	2056	1750	2111	1650	1650	1650	1712	1805	2270	1139	1139	1222	-
Puducherry	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	2584	2988	2064	-
	Summer	2719	2719	2696	2860	2647	2712	2886	3075	3438	3621	3057	3900	3611	-
	Total	2465	2465	2618	2442	2504	2596	2538	2857	3147	3164	2698	3219	2446	-
Others	Kharif	-	-	-	-	-	-	-	-	-	-	-	-	-	2359
	Rabi	-	-	-	-	-	-	-	-	-	-	-	-	-	2641
	Total	-	-	-	-	-	-	-	-	-	-	-	-	-	2430
All India	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	-	-	2469	2578
	Kharif Total	1990	2024	2095	2082	2019	2121	2311	2373	2319	2295	2305	2417	2469	2578
	Summer/Rabi	3127	3130	3149	3010	3055	3176	3238	3353	3232	3291	3382	3230	3531	3425
	Total	2102	2131	2202	2178	2125	2239	2393	2461	2416	2391	2400	2494	2576	2659

Source : Directorate of Economics & Statistics, DAC&FW

*4th Advance Estimates.

4.1.6 : Wheat: State-wise Yield

State/ UT	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	2016-17	2017-18	2018-19*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
Andhra Pradesh	818	900	889	1143	1000	1300	1375	1250	500	NA	NA	NA	716	NA
Arunachal Pradesh	1525	1575	1472	1576	1505	1595	1757	1498	1510	1974	1969	1969	1970	NA
Assam	1074	1117	1268	1090	1087	1179	1147	1304	1292	1216	1634	1344	1386	1465
Bihar	1617	1908	2058	2043	2084	1948	2206	2427	2358	1851	2244	2427	2905	2922
Chhattisgarh	886	1002	1059	1040	1086	1144	1227	1396	1304	1388	1270	1391	1289	1373
Gujarat	2700	2498	3013	2377	2679	3155	3014	2875	3255	2751	2919	2751	2898	3010
Haryana	3844	4232	4158	4390	4213	4624	5030	4452	4722	3981	4407	4514	4412	4925
Himachal Pradesh	1894	1385	1376	1520	928	1530	1671	1671	1873	1957	1958	2033	1774	1774
Jammu & Kashmir	1790	1893	1782	1735	1003	1535	1689	1595	2061	979	1947	1638	1628	1702
Jharkhand	1340	1529	1621	1541	1738	1642	1908	1944	2123	1931	1835	2011	2121	1831
Karnataka	858	762	946	918	887	1094	858	796	1005	1318	897	1018	1193	1300
Madhya Pradesh	1613	1835	1612	1723	1967	1757	2360	2478	2405	2850	2993	2976	2993	2802
Maharashtra	1393	1325	1659	1483	1610	1761	1558	1528	1460	1226	1077	1474	1657	1666
Meghalaya	1714	2000	1833	1750	1773	1791	1564	1806	1881	1909	1953	1913	1928	NA
Nagaland	1583	867	1067	1500	1200	1712	1711	1801	1823	1824	1831	1840	1836	NA
Odisha	1364	1487	1554	1396	1450	1458	1644	1894	1574	1650	1324	1333	2163	1774
Punjab	4179	4210	4507	4462	4307	4693	4898	4724	5017	4294	4583	4704	5077	5183
Rajasthan	2762	2751	2749	3175	3133	2910	3175	3028	3083	2961	3175	3175	3334	3501
Sikkim	1385	1385	1000	1345	1135	1023	1060	1058	1083	1077	1094	1078	1079	NA
Telangana	NA	NA	NA	NA	NA	NA	NA	NA	NA	1167	1696	1400	1388	1596
Tripura	2636	1800	1900	2000	1984	2025	2000	2000	2000	2143	2236	2300	2031	NA
Uttar Pradesh	2627	2721	2817	3002	2846	3113	3113	3113	3038	2277	2636	3113	3269	3432
Uttarakhand	1633	2049	2050	2003	2139	2316	2379	2396	2422	1881	2258	2587	2749	2880
West Bengal	2109	2282	2602	2490	2680	2760	2765	2786	2791	2807	2825	2682	2667	2859
D & N Haveli	1833	1833	1833	1833	1500	2231	1929	2000	2000	2071	2500	2300	2300	NA
Delhi	4339	4341	4354	4351	4352	4340	4349	4406	4418	4419	4419	4434	4311	NA
Others	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3907
All India	2619	2708	2802	2907	2839	2989	3177	3117	3145	2750	3034	3200	3368	3507

Source : Directorate of Economics & Statistics, DAC&FW

*4th Advance Estimates.

NA: Not Available.

4.1.7 : Bajra: State-wise Yield

State/ UT	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	2016-17	2017-18	2018-19*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
Andhra Pradesh	1012	770	1243	1017	1178	1507	1349	1657	1597	1357	1806	1714	1927	1014
Bihar	1070	1073	1111	1200	1108	1102	1113	1142	1136	1134	1133	1135	1134	1134
Gujarat	1169	1088	1419	1365	1232	1250	1419	1743	1743	1677	2004	2160	2430	2101
Haryana	1147	1649	1843	1769	1593	1793	2040	1910	2057	1749	1762	2017	1602	2068
Himachal Pradesh	333	500	500	500	1083	500	542	555	545	537	560	501	734	734
Jammu & Kashmir	600	591	595	592	629	598	591	598	595	594	590	592	590	608
Jharkhand	500	500	0	1000	574	704	520	474	515	500	528	667	576	584
Karnataka	977	483	824	703	502	1081	972	1036	1182	1060	875	1054	1241	954
Madhya Pradesh	1491	1365	1402	1373	1495	1898	1924	1568	2003	1978	2315	2431	2435	2458
Maharashtra	720	729	878	765	741	1085	982	637	1034	622	416	955	849	623
Nagaland	1000	NA	NA	NA	NA	857	862	1015	1014	1014	1014	1014	1014	NA
Odisha	552	583	593	600	604	636	615	610	611	613	611	614	619	622
Punjab	1000	1000	1000	1000	1333	1000	1000	1000	1000	NA	NA	583	598	651
Rajasthan	556	701	832	828	394	832	915	972	818	1093	872	1001	886	911
Tamil Nadu	1158	1511	1435	1483	1512	1564	2452	1326	2158	3077	2747	2059	2277	3010
Telangana	NA	NA	NA	NA	NA	NA	NA	NA	NA	1000	833	882	1057	1000
Uttar Pradesh	1434	1455	1520	1609	1638	1665	1839	1951	2033	1899	1821	1914	1940	2029
West Bengal	NA	NA	NA	0	434	375	367	429	286	313	306	293	300	400
Puducherry	2500	2500	1000	1000	1850	2324	2667	NA	NA	NA	2429	NA	2786	NA
Delhi	1824	1813	1875	1933	1917	1852	1868	1875	2513	2132	2511	2190	2197	NA
Daman & Diu	NA	NA	NA	2000	1667	1333	NA	1361	1393	3922	1369	1101	1333	NA
Others	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1759
All India	802	886	1042	1015	731	1079	1171	1198	1184	1255	1132	1305	1231	1243

Source : Directorate of Economics & Statistics, DAC&FW

*4th Advance Estimates.

NA: Not Available.

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	2016-17	2017-18	2018-19*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
Andhra Pradesh	Kharif	3538	2402	4125	3147	1986	3730	2812	4145	3487	3290	3680	4176	4678	4130
	Rabi	5994	6195	5543	7302	6281	7615	6502	6174	6558	7926	7184	7867	7956	6983
	Total	4073	3396	4607	4873	3527	5317	4234	4995	4833	6396	6056	6612	6912	5861
Arunachal Pradesh	Kharif	1373	1363	1338	1365	1363	1397	1434	1423	1423	1533	1532	1472	1486	NA
	Rabi	1474	1452	1410	1400	1485	1690	1736	1496	1681	1684	1580	1620	1665	NA
	Total	1382	1371	1344	1371	1380	1435	1473	1436	1467	1563	1542	1500	1521	NA
Assam	Kharif	721	778	722	724	726	722	719	897	898	3333	3070	2911	3132	3036
Bihar	Autumn/Kharif	1518	1532	956	1518	1773	1806	2358	2476	2103	2476	2559	2586	2400	2241
	Rabi	2641	3597	2766	3394	2660	2467	2404	4309	3358	3854	4201	4309	4005	5533
	Summer/Garma	2385	3249	3741	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Total	2098	2678	2274	2676	2341	2230	2386	3611	2884	3313	3571	3732	3476	4451
Chhattisgarh	Kharif	1076	1225	1567	1402	1399	1807	1654	1936	2062	1886	1693	2691	2380	2503
Goa	Kharif	5000	5000	5000	6000	6000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gujarat	Kharif	1124	698	1375	1439	964	1636	1393	1676	1267	1558	1326	1683	1551	1770
	Rabi	NA	NA	NA	1700	1593	1645	1915	1953	2023	2000	1989	2023	2000	2556
	Total	NA	NA	NA	1481	1072	1637	1523	1727	1477	1652	1478	1780	1661	1960
Haryana	Kharif	2125	2286	2643	2159	2250	1900	2667	2556	3000	2250	2833	3400	3167	2644
Himachal Pradesh	Kharif	1839	2326	2873	2273	1839	2263	2432	2233	2228	1979	2507	2672	2532	2532
Jammu & Kashmir	Kharif	1413	1505	1569	2005	1566	1712	1608	1648	1776	1204	1782	1833	1805	1703
Jharkhand	Autumn	1309	1203	1500	1346	1100	1181	1473	1790	2017	1768	1324	1927	2025	1872
	Rabi	1622	1806	1722	2123	1858	2061	1970	2689	1807	1530	1794	1796	2031	1905
	Total	1315	1230	1509	1407	1168	1215	1492	1812	2012	1763	1332	1923	2025	1873
Karnataka	Kharif	2919	2839	2893	2821	2415	3515	3022	2563	2872	3131	2734	2367	2869	2743
	Rabi	3000	2658	3231	2861	2500	2845	3084	3106	3099	3354	2535	3037	3710	3289
	Summer	2000	3125	3300	3143	2750	3323	NA	NA	NA	NA	NA	NA	NA	NA
	Total	2915	2829	2924	2833	2430	3450	3028	2629	2894	3152	2713	2419	2948	2777
Madhya Pradesh	Kharif	1450	976	1288	1361	1256	1266	1492	1790	1767	1880	2350	2585	2585	2694
Maharashtra	Kharif	2134	1996	2706	2405	2275	3022	2890	2296	2856	1868	1681	3246	3116	2066
	Rabi	1976	1924	2426	2257	2455	2456	2110	1820	2346	2558	1799	2558	2400	1825
	Total	2106	1983	2664	2382	2302	2920	2762	2219	2727	2045	1712	3009	2868	2032
Manipur	Kharif	2724	2724	2800	2674	2436	1856	1768	2301	2246	2243	NA	NA	2343	NA
Meghalaya	Kharif	1426	1471	1468	1503	1529	1499	1529	1554	2200	2259	2284	2291	2293	NA
Mizoram	Kharif	1917	1942	69	967	1337	1502	1214	1305	1424	1521	1756	1540	1605	NA
	Rabi	2222	2668	1000	1000	1667	1667	1238	1611	1294	1286	208	1570	1355	NA
	Total	1940	1963	95	969	1347	1508	1214	1314	1420	1515	1342	1542	1584	NA

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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	2016-17	2017-18	2018-19*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
Nagaland	Kharif	1800	1674	1788	1800	1075	1958	1960	1961	1969	1975	1979	1980	1982	NA
Odisha	Kharif	1587	1655	1976	1986	2155	2540	2046	2393	2766	2039	1967	2824	2503	2129
	Rabi	2188	2368	2241	2609	2247	2778	2496	2793	2905	2608	2618	2911	2721	2613
	Total	1602	1677	1987	2007	2157	2549	2063	2408	2771	2053	1996	2827	2513	2154
Punjab	Kharif	2723	3123	3405	3404	3417	3692	3984	3682	3900	3651	3687	3836	3708	3625
Rajasthan	Kharif	1098	1085	1860	1737	1044	1796	1583	1763	1597	1740	1318	1501	2033	2240
	Rabi	1429	1429	1667	1429	1429	NA	3434	3844	3729	NA	3705	NA	3909	5376
	Total	1098	1086	1860	1736	1044	1796	1594	1780	1621	1740	1334	1501	2063	2285
Sikkim	Kharif	1491	1491	1601	1544	1671	1648	1657	1700	1724	1727	1754	1763	1767	NA
Tamil Nadu	Kharif	1170	3224	2952	3668	4301	3858	5682	3554	5682	5682	7103	4554	9219	6715
	Rabi	1215	5047	5091	5763	5431	5452	6649	2819	5002	7500	6888	1255	6692	6443
	Total	1189	3838	3627	4389	4685	4458	6042	3252	5372	6423	7010	3026	7986	6551
Telangana	Kharif	NA	NA	NA	NA	NA	NA	NA	NA	NA	2699	2557	2761	3450	3105
	Rabi	NA	NA	NA	NA	NA	NA	NA	NA	NA	5288	4958	5465	5738	5485
	Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	3335	3056	3321	4057	3658
Tripura	Kharif	1000	960	1000	952	1006	1322	1353	1295	1277	1292	1385	1362	1408	NA
Uttar Pradesh	Kharif	1284	1326	1437	1495	1456	1468	1654	1654	1654	1778	1850	1876	2192	2067
	Rabi	3341	1567	1615	1621	2800	2667	1810	2105	2183	1838	1889	2038	2383	2356
	Total	1295	1335	1443	1499	1465	1477	1662	1677	1703	1784	1855	2064	2208	2090
Uttarakhand	Kharif	1333	1333	1483	1303	1357	1503	1464	1437	1419	2070	1696	1682	1970	1866
West Bengal	Kharif	2076	2166	2095	2658	2183	2588	2270	2384	2687	2688	2739	2692	2697	2702
	Rabi	3913	4265	4690	5106	5619	4904	4497	4923	4765	5056	5463	5043	5463	6673
	Summer	NA	NA	3583	4272	4587	4716	NA	NA	NA	NA	NA	NA	NA	NA
	Total	2533	2968	3166	3783	3942	3977	3722	3947	4059	4350	4654	4367	4805	5780
A & N Islands	Kharif	1000	2000	4500	3000	2000	2476	2125	2000	2254	3529	2933	2087	862	NA
Others	Kharif	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1781
	Rabi	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2423
	Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1888
All India	Kharif	1799	1660	2122	2048	1740	2285	2234	2246	2346	2249	2236	2413	2706	2511
	Rabi	3076	3793	3854	4387	3694	4003	3765	4152	4050	4414	4006	3897	4436	5117
	Total	1938	1912	2335	2414	2024	2540	2478	2566	2676	2632	2563	2689	3065	2965

Source : Directorate of Economics & Statistics, DAC&FW

*4th Advance Estimates.

NA: Not Available.

4.1.9: Total Pulses: State-wise Yield

State/UT (1)	Yield (Kg/hectare)													
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
Andhra Pradesh	772	679	803	818	740	675	637	833	928	911	848	659	865	567
Arunachal Pradesh	1078	1078	1078	1059	1000	879	920	1122	1155	1263	1015	1011	1020	NA
Assam	537	557	558	567	560	555	573	598	695	748	757	735	748	725
Bihar	749	722	818	801	836	878	975	1052	1044	859	845	936	954	898
Chhattisgarh	477	543	586	580	604	624	613	700	573	818	609	858	697	722
Goa	1045	1358	991	1030	1082	1057	836	902	1102	944	754	1004	870	NA
Gujarat	704	593	843	777	705	812	815	867	897	972	931	868	1016	1023
Haryana	622	824	602	972	758	899	706	800	820	674	680	897	961	1019
Himachal Pradesh	713		1062	758	681	1213	954	1413	1763	1232	1504	2019	2019	2015
Jammu & Kashmir	504	505	508	464	456	584	508	530	535	381	631	547	553	709
Jharkhand	567	686	736	724	709	773	885	1038	1021	1004	886	1002	1055	984
Karnataka	487	377	531	466	451	561	492	555	641	601	403	586	645	551
Kerala	775	857	857	818	991	778	747	1029	1108	1131	1133	984	1027	924
Madhya Pradesh	754	780	609	808	871	656	803	972	861	876	903	944	1084	1135
Maharashtra	584	602	746	537	702	768	693	704	802	602	436	865	795	616
Manipur	523	523	497	504	497	897	942	936	937	959	963	973	965	NA
Meghalaya	750	744	825	867	881	881	896	1019	1126	1405	1442	1446	1439	NA
Mizoram	1215	1160	529	900	1667	1534	1389	1061	1468	1416	1361	1352	1544	NA
Nagaland	1281	1200	1189	1203	906	1085	1091	1096	1124	1146	1150	1151	1159	NA
Odisha	416	445	446	481	461	486	471	513	537	532	505	548	556	559
Punjab	804	850	804	908	896	910	789	823	872	846	965	887	876	928
Rajasthan	261	462	401	497	204	685	546	603	593	580	515	604	639	622
Sikkim	897	897	928	937	977	899	903	915	925	925	954	961	954	NA
Tamil Nadu	337	541	303	307	382	386	552	413	752	852	631	544	675	687
Telangana	-	-	-	-	-	-	-	-	-	644	508	771	899	835
Tripura	629	654	691	718	713	706	697	705	719	718	673	952	710	NA
Uttar Pradesh	811	725	731	899	748	832	993	985	736	612	619	871	973	1044
Uttarakhand	590	642	794	609	719	851	891	841	869	821	821	869	874	893
West Bengal	785	703	793	704	826	898	706	952	843	941	967	968	969	944
A & N Islands	500	571	591	571	600	442	541	499	486	541	649	304	322	NA
D & N Haveli	862	862	862	859	828	898	939	901	898	897	1174	2035	1000	NA
Delhi	1000	1750	1750	2333	2000	1611	1939	2097	1500	NA	3270	2120	2000	NA
Daman & Diu	846	846	846	846	846	846	NA	NA	NA	NA	NA	NA	NA	NA
Puducherry	324	324	83	200	155	499	417	512	425	630	241	377	955	NA
Others	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	958
All India	598	612	625	659	630	691	699	789	764	728	655	786	853	806

Source : Directorate of Economics & Statistics, DAC&FW

*4th Advance Estimates.

NA: Not Available.

4.1.10: Gram: State-wise Yield

	Yield (Kg/hectare)													
State/ UTs	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
Andhra Pradesh	1591	1085	1448	1412	1308	1233	920	1119	1439	1143	1062	960	1132	506
Assam	500	500	500	529	517	500	509	557	698	938	704	651	687	679
Bihar	902	818	972	925	1014	1187	1295	1402	1147	958	986	1120	1154	1154
Chhattisgarh	706	843	874	831	880	959	995	1069	771	1035	722	1171	1010	1026
Gujarat	850	870	977	1011	947	1136	1138	978	1251	1236	1330	1116	1285	1324
Haryana	554	843	505	1041	738	982	911	1128	904	646	619	1189	1125	1189
Himachal Pradesh	538	769	933	429	523	1000	971	1021	1000	927	1047	923	1042	1042
Jammu & Kashmir	500	NA	NA	667	500	545	583	542	NA	NA	NA	NA	217	1857
Jharkhand	NA	NA	NA	NA	914	1052	1067	1174	1166	1160	995	1174	1228	1143
Karnataka	548	473	925	552	591	658	583	643	757	718	466	590	619	525
Madhya Pradesh	926	980	607	981	1071	863	1081	1219	1044	1039	1115	1100	1280	1344
Maharashtra	691	706	711	677	863	904	775	763	891	762	539	891	917	829
Meghalaya	600	600	825	600	620	500	625	611	989	1033	1059	1065	1066	NA
Nagaland	1000	1250	600	667	667	714	720	842	838	842	844	827	846	NA
Odisha	646	652	1500	662	748	780	765	774	768	770	769	768	778	780
Punjab	750	1000	659	1172	1133	1286	1000	1400	1211	1056	1294	1375	1181	1346
Rajasthan	443	863	1000	779	605	898	740	1019	853	725	892	911	1074	1103
Tamil Nadu	678	644	466	638	614	671	643	645	653	645	653	648	926	926
Telangana	-	-	-	-	-	-	-	-	-	1372	714	1294	1516	1496
Tripura	500	1000	676	667	667	667	733	774	769	750	780	780	791	NA
Uttar Pradesh	893	742	1000	1014	824	930	1185	1119	824	659	612	1114	1155	1272
Uttarakhand	1000	1000	745	0	1000	785	1000	830	786	821	846	1000	782	799
West Bengal	913	769	1000	1037	1108	1072	1049	1175	1175	1178	1192	1013	1150	1395
D & N Haveli	500	500	984	500	798	1000	1000	1000	1000	1000	1050	1050	NA	NA
Delhi	1000	NA	500	NA	NA	882	7000	NA	1500	NA	1317	2120	2000	NA
Others	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	984
All India	808	845	762	895	915	895	928	1036	960	889	840	974	1078	1073

Source : Directorate of Economics & Statistics, DAC&FW

*4th Advance Estimates

NA: Not Available

4.1.11: Tur: State-wise Yield

State/ UT	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	2016-17	2017-18	2018-19*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
Andhra Pradesh	609	401	652	456	438	415	303	524	542	503	600	380	430	181
Arunachal Pradesh	1000	1000	1000	1000	833	833	879	968	1111	1091	905	814	825	NA
Assam	692	714	667	704	709	718	714	829	932	941	880	858	833	858
Bihar	1291	989	1012	1178	1514	1404	1514	2131	1667	1438	1577	1581	1548	1593
Chhattisgarh	445	426	522	583	510	440	433	620	614	636	458	598	601	480
Gujarat	1102	751	1109	989	906	986	1053	1184	995	1098	1125	1156	1243	1209
Haryana	1067	1100	1138	1091	1045	1080	1111	1086	1176	1098	1000	915	1097	1211
Himachal Pradesh	NA	NA	NA	NA	NA	NA	417	364	NA	500	326	375	511	511
Jharkhand	633	645	800	616	871	686	904	1034	1043	1018	903	1002	1147	1015
Karnataka	727	470	712	528	467	594	462	555	713	651	368	749	861	641
Kerala	NA	NA	670	NA	NA	NA	1693	1588	941	1885	1289	1580	1560	1647
Madhya Pradesh	739	683	922	804	851	337	625	662	716	981	1079	1133	1297	1297
Maharashtra	720	726	750	600	841	750	706	819	906	600	450	1042	909	566
Meghalaya	750	750	1000	750	784	750	759	1152	1362	1278	1295	1299	1295	NA
Mizoram	1000	1000	1189	NA	NA	NA	NA	NA	NA	NA	NA	965	1031	NA
Nagaland	950	1200	825	938	703	840	853	899	896	900	902	903	913	NA
Odisha	742	803	900	860	841	916	812	912	896	898	886	884	897	1022
Punjab	885	931	876	966	957	929	1000	903	897	923	1000	860	1030	1047
Rajasthan	647	503	701	772	381	761	666	879	649	736	548	1088	1017	941
Tamil Nadu	540	732	750	608	765	662	870	785	967	1064	908	655	1093	1152
Telangana	-	-	-	-	-	-	-	-	-	495	419	676	798	648
Tripura	692	750	891	700	725	750	747	749	717	722	687	705	738	NA
Uttar Pradesh	987	749	667	914	662	898	1044	1045	900	606	691	1074	1175	1084
Uttarakhand	1000	500	818	667	1000	706	1000	799	810	902	770	1000	967	805
West Bengal	889	700		833	728	1423	432	1434	1429	1434	1480	1249	1300	1300
D & N Haveli	867	867	867	867	800	801	801	800	804	805	1200	2886	1000	NA
Delhi	1000	1500	1500	2000	1838	1750	1727	1724	NA	NA	3522	NA	NA	NA
Others	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	694
All India	765	650	826	671	711	655	662	776	813	729	646	913	967	751

Source : Directorate of Economics & Statistics, DAC&FW

*4th Advance Estimates.

NA: Not Available.

4.1.12: Total Oilseeds: State-wise Yield

State/UTs	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	2016-17	2017-18	2018-19*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
Andhra Pradesh	698	609	1276	842	724	861	650	849	929	557	954	581	1328	607
Arunachal Pradesh	838	838	962	963	928	921	1015	909	958	971	1040	1040	1040	NA
Assam	465	495	523	542	526	576	557	610	611	670	694	643	638	659
Bihar	982	1031	979	999	1042	1048	1046	1120	1189	1093	1059	1155	1208	1251
Chhattisgarh	419	503	532	507	607	686	550	723	640	599	501	572	461	561
Goa	2394	1769	1892	2158	2807	2862	2500	2409	2544	1899	2126	2352	2258	NA
Gujarat	1544	908	1618	1345	1109	1692	1608	1103	2231	1920	1627	1725	2125	1456
Haryana	1124	1344	1214	1723	1645	1855	1394	1712	1637	1456	1589	1832	2008	2038
Himachal Pradesh	344	477	442	365	271	514	579	514	490	542	520	487	590	590
Jammu & Kashmir	429	610	846	760	763	821	826	789	895	682	599	523	760	633
Jharkhand	311	422	553	560	563	625	680	787	663	664	681	732	713	676
Karnataka	600	478	681	556	502	782	665	647	824	698	583	623	883	845
Kerala	667	889	706	696	632	1032	1230	1045	980	1054	1049	125	900	743
Madhya Pradesh	1009	955	1015	1075	1129	1143	1073	1231	858	1093	841	1177	1046	1237
Maharashtra	925	963	1274	857	725	1394	1223	1337	1276	672	579	1160	1017	1101
Manipur	7000	7000	NA	778	778	774	788	729	840	863	847	858	870	NA
Meghalaya	684	673	670	676	701	704	766	695	1030	1071	1091	1051	1057	NA
Mizoram	1125	927	229	781	1106	1203	967	1078	1146	1117	1112	1140	1113	NA
Nagaland	926	901	896	1142	835	1040	1043	1047	1048	1048	1047	1050	1050	NA
Odisha	565	550	608	604	589	619	661	700	755	667	632	681	625	645
Punjab	1097	1111	1288	1276	1354	1336	1360	1350	1335	1265	1318	1386	1482	1480
Rajasthan	1134	1146	1051	1114	1066	1203	1243	1296	1144	1192	1182	1351	1477	1587
Sikkim	727	727	872	763	959	832	841	863	887	891	909	918	924	NA
Tamil Nadu	1624	1829	1739	1782	1898	2077	2479	2103	2362	2374	2290	1870	2729	2310
Telangana	-	-	-	-	-	-	-	-	-	1270	1102	1385	1791	1773
Tripura	709	705	675	714	717	732	751	506	759	793	771	814	780	NA
Uttar Pradesh	993	837	856	865	753	832	828	898	810	698	670	876	1054	1080
Uttarakhand	857	750	967	1000	1138	1012	1082	1236	1070	938	1100	929	916	911
West Bengal	952	918	997	828	1065	1047	994	1162	1181	1161	1168	1147	1198	1230
D & N Haveli	1000	1000	1000	NA	680	750	704	604	667	571	NA	366	361	NA
Delhi	763	1500	871	154	1256	1300	1251	1265	NA	NA	1260	1248	1260	NA
Puducherry	1778	1778	1778	2000	1636	1684	1231	1840	1907	2280	2345	2511	2504	NA
Others	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1078
All India	1004	916	1115	1006	958	1193	1133	1168	1168	1075	968	1195	1284	1265

Source : Directorate of Economics & Statistics, DAC&FW

*4th Advance Estimates.

NA: Not Available.

4.1.13: Kharif Oilseeds: State-wise Yield

State/UTs	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	2016-17	2017-18	2018-19*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
Andhra Pradesh	570	397	1204	705	425	700	440	657	774	414	813	416	1198	479
Arunachal Pradesh	878	878	1042	1160	978	1083	1204	1186	1071	747	789	1126	1125	NA
Assam	533	571	522	537	533	537	539	628	712	702	644	648	637	638
Bihar	951	932	943	939	1129	1016	1063	1092	979	1070	1050	1070	1045	1029
Chhattisgarh	521	623	615	572	710	824	608	836	685	634	523	649	500	617
Goa	1333	2000	2000	1500	2000	2800	2833	2540	2436	2028	2042	2557	2325	NA
Gujarat	1543	779	1610	1351	1049	1699	1607	1013	2309	1962	1628	1725	2159	1427
Haryana	804	844	1079	762	648	691	750	1467	1570	2125	1434	1177	1017	809
Himachal Pradesh	511	489	581	610	243	536	559	559	615	615	591	494	1427	1428
Jammu & Kashmir	462	429	419	426	439	441	440	436	442	413	410	508	407	450
Jharkhand	287	220	597	707	611	600	861	905	963	842	700	864	845	773
Karnataka	569	439	682	548	469	783	661	635	862	685	579	592	843	811
Kerala	667	889	706	696	632	1037	1250	1044	800	1041	1049	1052	900	639
Madhya Pradesh	1020	962	1037	1096	1150	1159	1080	1250	836	1115	826	1180	1026	1231
Maharashtra	981	1031	1368	878	730	1490	1266	1379	1310	670	572	1178	1024	1106
Manipur	6000	6000	444	1000	1000	754	866	169	850	850	838	857	907	NA
Meghalaya	731	692	704	665	763	780	1004	764	1274	1365	1402	1331	1347	NA
Mizoram	1222	972	206	815	1167	1268	971	1142	1154	1137	1181	1164	1139	NA
Nagaland	1106	1099	1041	1337	968	1156	1160	1158	1160	1159	1158	1161	1163	NA
Odisha	403	423	443	461	443	481	450	511	519	483	432	514	472	470
Punjab	463	504	478	482	582	785	714	691	704	656	614	810	838	801
Rajasthan	972	1050	1224	925	798	1235	1306	1228	1019	1220	1067	1265	1335	1430
Sikkim	825	825	889	846	1025	881	897	935	946	948	973	975	975	NA
Tamil Nadu	1340	1251	1263	1454	1482	1643	1929	1677	1841	1921	1875	1390	2082	1827
Telangana	-	-	-	-	-	-	-	-	-	982	919	1124	1513	1473
Tripura	583	600	591	647	638	682	620	108	646	665	648	689	677	NA
Uttar Pradesh	555	349	284	321	240	380	415	392	347	393	368	360	479	432
Uttarakhand	1059	1000	1250	1333	1500	1240	1297	1663	1326	1173	1216	1000	1066	936
West Bengal	837	922	908	661	821	914	914	955	955	946	937	929	943	976
D & N Haveli	1000	1000	1000	NA	680	750	704	604	667	571	NA	347	283	NA
Pondicherry	1778	1778	1778	2000	1636	1684	1231	1840	1907	2340	2247	2471	2467	NA
Others	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1195
All India	965	836	1154	961	875	1203	1123	1135	1151	1056	885	1153	1219	1169

Source : Directorate of Economics & Statistics, DAC&FW

*4th Advance Estimates.

NA: Not Available.

4.1.14: Rabi Oilseeds: State-wise Yield

State/UTs	Yield (Kg/hectare)														
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
Andhra Pradesh	1193	1235	1508	1286	1517	1477	1440	1536	1618	1733	1947	2361	2318	1942	
Arunachal Pradesh	829	829	945	919	919	893	985	905	936	1014	1089	1019	1019	NA	
Assam	458	488	523	542	525	579	559	609	606	668	697	643	639	660	
Bihar	984	1037	982	1003	1037	1050	1045	1121	1194	1094	1059	1160	1213	1259	
Chhattisgarh	284	319	350	326	371	345	407	425	508	501	428	372	353	372	
Goa	2500	1727	1875	2281	3000	2875	2458	2382	2564	1874	2146	2302	2243	NA	
Gujarat	1552	1544	1662	1314	1617	1645	1612	1764	1696	1513	1621	1731	1814	1760	
Haryana	1128	1351	1216	1735	1655	1868	1404	1721	1639	1432	1594	1853	2017	2052	
Himachal Pradesh	274	471	385	260	282	505	585	500	458	521	498	485	524	524	
Jammu & Kashmir	405	630	893	790	788	850	854	817	933	701	613	525	793	646	
Jharkhand	333	461	539	517	553	635	653	766	622	636	678	712	692	656	
Karnataka	655	543	677	571	565	778	676	665	748	728	590	731	1003	975	
Kerala							909	1111	1209	2000	NA	NA	NA	1510	
Madhya Pradesh	955	912	833	936	990	1031	1024	1092	1031	936	977	1159	1171	1284	
Maharashtra	677	662	739	691	683	705	720	634	758	706	736	862	812	715	
Manipur	NA	NA	NA	500	500	779	764	850	837	867	849	858	865	NA	
Meghalaya	667	667	658	678	678	677	678	669	934	952	964	931	932	NA	
Mizoram	833	600	1000	600	750	750	944	690	1100	1000	934	1003	1002	NA	
Nagaland	756	729	760	959	784	942	946	953	954	954	954	955	954	NA	
Odisha	925	838	915	873	874	901	1006	950	1071	956	925	984	922	966	
Punjab	1236	1260	1478	1456	1500	1432	1465	1451	1415	1359	1425	1451	1552	1559	
Rajasthan	1205	1185	946	1234	1277	1188	1190	1345	1233	1170	1286	1418	1601	1719	
Sikkim	661	661	860	707	914	792	801	799	830	832	852	866	875	NA	
Tamil Nadu	2073	3466	2835	2539	2993	3228	3645	3040	3514	3338	3171	3049	3776	3080	
Telangana	-	-	-	-	-	-	-	-	-	1848	1554	2020	2179	2265	
Tripura	806	842	778	778	806	774	864	874	875	850	846	911	879	NA	
Uttar Pradesh	1105	1024	1064	1076	1090	1123	1107	1228	1088	919	1005	1214	1363	1452	
Uttarakhand	667	563	643	714	800	803	867	921	739	716	979	846	794	893	
West Bengal	988	916	1035	899	1161	1100	1025	1249	1273	1252	1265	1242	1289	1321	
Delhi	763	1500	871	154	1256	1300	1251	1265	NA	NA	1260	1248	1260	NA	
Others	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1021	
All India	1068	1055	1034	1097	1146	1174	1155	1244	1206	1122	1185	1300	1436	1504	

Source : Directorate of Economics & Statistics, DAC&FW

*4th Advance Estimates.

NA: Not Available.

4.1.15: Groundnut: State-wise Yield

Yield (Kg/hectare)															
State/UTs	Season	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
Andhra Pradesh	Kharif	565	301	1357	694	385	659	361	533	644	410	877	419	1291	492
	Rabi	1739	1806	1925	1928	2128	2073	1848	1927	1875	2329	2183	2650	2435	2199
	Total	728	557	1451	880	773	899	646	829	892	564	1034	595	1426	629
Bihar	Kharif	556	556	500	529	1750	1000	1025	1026	1022	1035	1018	1015	1019	1017
Chhattisgarh	Kharif	1078	1142	1256	1352	1353	1462	1320	1379	1457	1412	1231	1841	1645	1338
Goa	Kharif	1333	2000	2000	1500	2102	2800	2833	2540	2436	2028	2042	2557	2325	NA
	Rabi	2500	1727	1875	2281	2981	2875	2458	2382	2564	1874	2146	2302	2243	NA
	Total	2394	1769	1892	2158	2807	2862	2500	2409	2544	1899	2126	2352	2258	NA
Gujarat	Kharif	1707	725	1781	1368	929	1868	1563	498	2716	2168	1654	1795	2361	1368
	Rabi	2225	2000	1724	1830	1908	1801	1914	2288	1789	1818	1655	1794	1842	1863
	Total	1734	809	1777	1395	964	1864	1612	590	2668	2154	1654	1795	2345	1377
Haryana	Kharif	733	840	813	750	1000	1000	967	1143	1107	1135	1000	1000	1202	900
Himachal Pradesh	Kharif	NA	NA	NA	1000	670	742	917	909	600	600	NA	1020	1028	1028
Jharkhand	Kharif	NA	NA	NA	836	756	914	1196	1170	1194	1013	830	1049	1111	1027
Karnataka	Kharif	590	434	784	545	565	853	650	560	844	729	675	499	886	676
	Rabi	924	760	906	788	804	952	917	913	912	874	738	1012	1190	1200
	Total	645	497	807	589	626	875	716	671	863	768	693	629	980	803
Kerala	Kharif	727	1000	759	765	763	1267	1346	1274	1250	1426	1379	1411	1394	1261
Madhya Pradesh	Kharif	1126	948	940	1140	1158	1496	1618	1515	1567	1602	1405	1482	1550	1570
Maharashtra	Kharif	831	743	1112	1016	1015	1258	1080	992	1213	1037	969	1221	1148	943
	Rabi	1429	1355	1413	1516	1557	1390	1446	1531	1366	1518	1376	1113	1349	1130
	Total	958	889	1168	1116	1118	1289	1158	1056	1248	1159	1081	1184	1183	966
Nagaland	Kharif	1000	1000	1100	1000	786	1000	1013	1012	1023	1023	1034	1032	1041	NA
Odisha	Kharif	835	904	982	980	968	977	830	1070	1112	1030	837	998	950	949
	Rabi	1414	1292	1376	1279	1334	1362	1486	1345	1704	1471	1242	1533	1308	1409
	Total	1171	1113	1219	1156	1169	1176	1189	1231	1449	1268	1097	1229	1134	1165
Punjab	Kharif	882	864	871	926	1240	1773	1500	1765	1846	1857	1900	1917	1950	1980
Rajasthan	Kharif	1549	1310	1728	1670	1087	1963	1926	1549	1950	2019	2029	2051	1966	2056
Tamil Nadu	Kharif	1526	1329	1417	1674	1728	1881	2202	1890	2213	2340	2175	1567	2460	2196
	Rabi	2103	3729	3078	2622	3104	3331	3751	3149	3628	3442	3293	3232	3917	3165
	Total	1775	1981	1957	1989	2155	2323	2751	2315	2721	2753	2574	2084	3078	2620
Telangana	Kharif	NA	NA	NA	NA	NA	NA	NA	NA	NA	1692	1500	2000	2188	2504
	Rabi	NA	NA	NA	NA	NA	NA	NA	NA	NA	1930	1623	2071	2236	2348
	Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	1910	1609	2060	2230	2364
Tripura	Kharif	1000	1000	1000	1000	1081	1333	1091	1091	1077	1080	1146	1310	1198	NA
	Rabi	667	1000	1000	1000	1040	1000	1297	1315	1257	1280	1160	1584	1231	NA
	Total	889	1000	1000	1000	1095	1167	1220	1229	1180	1180	1154	1459	1215	NA
Uttar Pradesh	Kharif	851	730	598	705	670	988	1000	1000	896	857	670	904	1013	994
Uttarakhand	Kharif	1000	2000	1000	2000	2000	1091	1000	1163	1176	1103	1415	1000	1377	1038
West Bengal	Kharif	933	1000	909	958	916	857	864	1000	917	925	902	964	960	1250
	Rabi	1727	1744	1968	1763	1742	1690	1969	2585	2627	2362	2290	2318	2394	2845
	Total	1703	1713	1918	1735	1715	1661	1939	2526	2544	2324	2255	2279	2343	2797
Puducherry	Kharif	1938	1938	1875	2286	2103	1962	1406	2112	2486	3000	2984	3000	3000	NA
Others	Kharif	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	915
	Rabi	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1278
	Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1121
All India	Kharif	1097	689	1386	1063	835	1335	1188	811	1735	1478	1399	1321	1834	1277
	Rabi	1702	1880	1857	1764	1830	1846	1938	1908	1926	1948	1801	1861	2222	2199
	Total	1187	866	1459	1163	991	1411	1323	995	1764	1552	1465	1398	1893	1393

Source : Directorate of Economics & Statistics, DAC&FW

*4th Advance Estimates.

NA: Not Available.

4.1.16: Rapeseed & Mustard: State-wise Yield

	Yield (Kg/hectare)													
State/UTs	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
Andhra Pradesh	333	600	500	667	500	520	667	500	600	500	1000	400	457	522
Arunachal Pradesh	829	829	945	919	919	893	985	905	936	1016	1089	1019	1019	NA
Assam	456	487	523	543	525	581	560	610	605	667	698	644	639	660
Bihar	926	1029	947	959	1008	1028	1029	1132	1245	1100	1053	1180	1245	1305
Chhattisgarh	330	399	402	379	419	407	436	514	557	575	517	388	415	419
Gujarat	1349	1396	1635	1136	1579	1565	1572	1695	1723	1422	1611	1711	1808	1745
Haryana	1117	1343	1198	1738	1655	1869	1396	1721	1639	1432	1594	1853	2018	2058
Himachal Pradesh	292	506	409	270	287	532	619	520	483	543	517	506	546	546
Jammu & Kashmir	406	649	892	791	788	851	851	817	935	700	612	526	793	645
Jharkhand	NA	NA	NA	541	578	653	670	783	629	625	698	728	715	685
Karnataka	400	250	250	400	400	500	250	500	333	500	150	200	168	280
Madhya Pradesh	1047	999	927	1034	1074	1148	1108	1172	1108	1006	1079	1299	1305	1422
Maharashtra	308	357	444	333	333	375	308	222	400	200	300	358	286	362
Manipur	NA	NA	NA	500	500	779	764	839	837	867	846	855	856	NA
Meghalaya	667	667	658	681	680	681	680	672	938	956	967	934	935	NA
Mizoram	833	600	1000	600	750	750	944	690	1100	1000	934	1003	1002	NA
Nagaland	800	753	782	1000	800	1000	1005	1009	1010	1012	1011	1013	1012	NA
Odisha	190	171	201	182	211	208	212	275	269	244	205	345	326	255
Punjab	1102	1122	1179	1222	1300	1323	1276	1281	1306	1248	1348	1413	1498	1523
Rajasthan	1205	1185	946	1234	1276	1188	1189	1346	1233	1170	1287	1422	1602	1720
Sikkim	661	661	860	707	914	792	801	799	830	832	852	866	875	NA
Tamil Nadu	200	333	333	333	333	233	229	230	241	233	229	200	232	231
Telangana	-	-	-	-	-	-	-	-	-	2000	2000	1667	1594	1395
Tripura	821	824	733	750	767	750	789	799	824	831	805	825	830	NA
Uttar Pradesh	1149	1057	1157	1123	1113	1187	1136	1263	1113	930	1017	1245	1392	1483
Uttarakhand	667	563	643	714	800	803	867	933	739	716	979	846	794	893
West Bengal	909	803	888	764	1080	1021	908	1062	1066	1069	1090	1077	1175	1171
Delhi	763	1500	871	154	1256	1300	1251	1265	NA	NA	1260	1248	1260	NA
Others	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1026
All India	1117	1095	1001	1143	1183	1185	1121	1262	1185	1083	1183	1304	1410	1499

Source : Directorate of Economics & Statistics, DAC&FW

*4th Advance Estimates.

NA: Not Available.

4.1.17: Linseed: State-wise Yield

	Yield (Kg/hectare)													
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	2017-18	2018-19*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
Andhra Pradesh	250	333	0	0	0	0	0	0	480	0	0	0	NA	NA
Assam	500	500	500	514	517	521	520	568	643	703	633	608	613	660
Bihar	895	850	845	846	846	889	865	867	850	861	859	833	851	848
Chhattisgarh	248	250	307	272	300	260	372	285	424	397	292	344	248	260
Himachal Pradesh	100	267	250	143	225	273	286	327	255	243	295	295	299	299
Jammu & Kashmir	400	426	1000	500	578	798	1157	582	500	923	878	369	484	807
Jharkhand	333	389	389	454	427	516	531	645	568	709	534	612	570	491
Karnataka	308	333	357	357	333	364	222	333	333	400	293	333	363	225
Madhya Pradesh	412	411	314	382	436	338	474	523	498	541	474	504	531	570
Maharashtra	277	235	279	211	250	256	258	296	258	208	250	239	293	257
Nagaland	600	648	667	769	689	807	807	807	803	808	808	811	813	NA
Odisha	420	422	438	441	451	459	471	482	478	478	477	480	485	483
Punjab	500	500	1000	1000	500	NA	NA	NA	NA	NA	NA	NA	NA	NA
Rajasthan	833	833	857	1432	2006	1235	1066	962	1351	1285	1013	1114	1012	1009
Uttar Pradesh	414	373	251	450	441	453	452	433	385	600	460	531	602	631
West Bengal	284	240	271	239	295	341	359	349	200	364	388	370	417	356
Others	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	843
All India	395	385	349	415	449	408	473	502	484	541	477	567	533	553

Source : Directorate of Economics & Statistics, DAC&FW

*4th Advance Estimates.

NA: Not Available.

4.1.18 Safflower: State-wise Yield

State/UTs	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	2016-17	2017-18	2018-19*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
Andhra Pradesh	471	643	750	462	429	692	700	825	750	1000	NA	NA	NA	NA
Bihar	1000	500	1000	1000	769	857	821	800	805	800	802	813	818	811
Chhattisgarh	273	286	222	200	333	333	286	200	333	200	300	286	297	406
Gujarat	NA	NA	NA	1000	857	NA	583	588	600	NA	NA	NA	NA	NA
Jharkhand	NA	NA	NA	478	335	401	401	500	523	793	NA	524	554	517
Karnataka	741	753	814	795	735	836	636	625	791	818	563	688	818	700
Madhya Pradesh	300	333	250	250	286	250	NA	NA	500	724	500	500	1000	510
Maharashtra	605	606	667	565	580	543	545	552	570	343	228	691	548	478
Odisha	615	583	615	583	581	600	581	612	602	656	590	600	608	602
West Bengal	NA	NA	NA	NA	915	838	858	1000	1000	1000	1000	882	1000	1000
All India	627	637	701	642	621	617	580	591	638	515	416	651	673	592

Source : Directorate of Economics & Statistics, DAC&FW

*4th Advance Estimates.

NA: Not Available.

4.1.19: Sunflower: State-wise Yield

		Yield (Kg/hectare)													
State	Season	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
Andhra Pradesh	Kharif	351	406	629	640	380	738	588	789	800	545	714	667	738	556
	Rabi/Summer	805	871	1174	815	911	683	809	724	888	872	900	1250	1544	1083
	Total	671	738	1026	778	771	693	785	732	870	800	852	1000	1275	961
Bihar	Kharif	NA	1233	1200	1200	1278	1280	1345	1348	1289	1347	1323	1287	1291	1262
	Rabi/Summer	1374	1347	1365	1429	1431	1471	1450	1454	1446	1449	1440	1463	1448	1450
	Total	1345	1332	1335	1388	1404	1441	1439	1441	1411	1429	1421	1428	1429	1427
Chhattisgarh	Kharif	366	600	600	563	429	257	556	300	500	NA	500	500	NA	628
Haryana	Summer/Rabi	1667	1667	1583	1650	1667	1800	1800	1733	2400	2767	2056	1393	1886	1645
Jharkhand	Kharif	NA	NA	NA	667	459	NA	457	825	696	522	712	544	700	552
	Rabi/Summer	NA	NA	NA	684	743	663	678	800	524	500	466	502	518	502
	Total	NA	NA	NA	682	642	663	653	814	585	507	498	522	553	519
Karnataka	Kharif	504	365	547	505	342	603	518	507	583	555	408	582	612	888
	Rabi/Summer	593	472	595	488	422	637	505	528	626	597	490	233	629	551
	Total	552	420	571	496	383	621	512	520	607	579	459	445	618	754
Madhya Pradesh	Kharif	333	333	500	500	500	500	NA	NA	NA	NA	1000	1000	1000	899
	Summer/Rabi	583	571	500	667	500	NA	NA	NA	NA	NA	NA	1000	1000	1000
	Total	533	500	500	600	500	500	NA	NA	NA	NA	1000	1000	1000	950
Maharashtra	Kharif	532	529	580	523	419	507	548	400	588	313	111	280	483	255
	Rabi	593	545	739	626	567	636	611	465	649	460	276	768	512	368
	Summer	733	NA	778	833	750	800	NA	NA	NA	NA	NA	NA	NA	NA
	Total	580	548	680	587	521	601	583	436	620	402	213	594	501	291
Nagaland	Kharif	800	750	1000	667	600	1000	818	808	769	800	824	857	886	NA
	Summer	1000	800	1100	NA	944	526	524	609	634	612	613	613	612	NA
	Total	875	786	1050	667	910	571	554	632	649	636	641	646	649	NA
Odisha	Kharif	NA	667	750	667	769	750	705	700	714	719	690	706	712	720
	Rabi/Summer	830	949	995	930	908	1054	1190	1196	1200	1202	1198	1200	1255	1258
	Total	821	932	984	919	902	1049	1181	1188	1193	1195	1189	1191	1245	1253
Punjab	Summer/Rabi	1612	1641	1900	1750	1787	1664	1857	1881	1738	1765	1797	1655	1840	1850
Rajasthan	Rabi/Summer	1000	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tamil Nadu	Kharif	1304	2710	2123	1017	1391	1214	1833	1343	1806	1514	1413	857	1944	1552
	Rabi	1165	1284	1197	1606	1286	1113	1787	1366	1475	1361	951	226	795	595
	Total	1240	1828	1590	1329	1334	1151	1809	1357	1564	1409	1060	392	887	736
Telangana	Kharif	NA	NA	NA	NA	NA	NA	NA	NA	NA	1000	1000	1000	2119	NA
	Rabi	NA	NA	NA	NA	NA	NA	NA	NA	NA	1412	1091	1800	2135	1760
	Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	1389	1083	1667	2131	1760
Uttar Pradesh	Rabi/Summer	1278	1500	1615	1889	2286	2250	1500	1500	1667	1333	2000	1333	1442	1442
West Bengal	Total	1256	1292	1231	1089	1206	1123	1203	1250	1429	1467	1417	1312	1400	1200
Others	Kharif	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1131
	Rabi	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	611
	Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	749
All India	Kharif	496	425	607	540	378	608	566	622	656	660	510	607	627	841
	Rabi	692	661	870	696	700	748	783	674	808	781	660	708	924	922
	Total	615	567	765	639	576	701	706	655	750	736	609	660	782	886

Source : Directorate of Economics & Statistics, DAC&FW

*4th Advance Estimates.

NA: Not Available.

4.1.20 Soybean: State-wise Yield

State	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	2016-17	2017-18	2018-19*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
Andhra Pradesh	1949	1515	1966	1366	827	1703	1615	1818	1612	2000	2000	1612	1889	1921
Arunachal Pradesh	947	947	1167	1433	1183	1346	1487	1518	1273	923	991	1420	1417	NA
Chhattisgarh	900	997	1149	987	956	1170	753	1205	877	753	576	697	481	699
Gujarat	853	510	382	699	805	810	786	1000	733	754	675	717	791	1276
Himachal Pradesh	1333	667	1833	1714	850	1333	1587	1429	1450	1446	1676	980	1677	1677
Jharkhand	NA	NA	NA	333	329	200	329	1194	1099	808	931	579	798	754
Karnataka	534	718	858	679	446	875	901	1047	1233	738	543	745	913	1008
Kerala	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1400	NA	NA	NA
Madhya Pradesh	1058	1006	1091	1142	1198	1200	1108	1293	831	1139	831	1231	1062	1285
Maharashtra	1077	1147	1492	900	728	1582	1319	1451	1351	655	557	1194	1030	1125
Manipur	NA	NA	NA	NA	NA	927	1063	109	878	868	838	857	907	NA
Meghalaya	1000	1000	909	1091	1109	1091	1694	1099	1820	1947	1982	1892	1898	NA
Mizoram	1929	1000	235	1100	1603	1929	1254	1411	1480	1413	1539	1574	1525	NA
Nagaland	1199	1200	1148	1498	1032	1246	1253	1252	1255	1254	1254	1257	1259	NA
Rajasthan	1150	1203	1343	971	1175	1461	1544	1412	829	1036	829	1072	1207	1254
Sikkim	825	825	889	846	1025	881	897	935	946	948	973	975	975	NA
Telangana	NA	NA	NA	NA	NA	NA	NA	NA	NA	1083	1037	1162	1624	1584
Uttar Pradesh	769	875	667	818	1143	1273	1222	1357	577	731	519	636	777	901
Uttarakhand	1154	1111	1462	1556	1636	1480	1500	1985	1479	1293	1332	1083	1190	1067
West Bengal	500	600	600	600	603	567	1226	833	699	700	708	732	750	900
Others	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1419
All India	1073	1063	1235	1041	1024	1327	1208	1353	1012	951	738	1177	1058	1217

Source : Directorate of Economics & Statistics, DAC&FW

*4th Advance Estimates.

NA: Not Available.

5

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

5.1: Area and Production of Horticulture Crops

Crops	Area in '000 Hectares Production in '000 MT					
	2016-17		2017-18		2018-19*	
	Area	Production	Area	Production	Area	Production
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Fruits						
Almond	12	7	11	14	10	11
Aonla/Gooseberry	93	1075	93	1075	92	1039
Apple	305	2265	301	2327	314	2503
Banana	860	30477	884	30808	898	31747
Ber	50	545	50	513	52	639
Citrus						
(i) Lime/Lemon	248	2364	286	3148	296	3397
(ii) Mandarin (Orange)	410	4438	428	5101	437	5380
(iii) Sweet Orange(Mosambi)	191	3209	185	3266	190	3401
(iv) Others	136	1408	103	1030	112	1022
Citrus Total (i to iv)	985	11419	1003	12546	1034	13200
Custardapple	44	383	46	401	40	338
Grapes	137	2922	139	2920	139	2958
Guava	260	3826	265	4054	276	4236
Jackfruit	150	1694	185	1830	187	1815
Kiwi	4	12	4	12	4	13
Litchi	93	568	92	686	95	727
Mango	2212	19506	2258	21822	2293	20798
Muskmelon	50	1097	54	1231	57	1277
Papaya	134	5940	138	5989	143	5980
Passion Fruit	13	72	14	82	12	82
Peach	18	106	19	114	19	121
Pear	44	346	44	318	43	306
Picanut	1	0	1	0	1	0
Pineapple	111	1861	103	1706	105	1729
Plum	24	81	23	89	24	89
Pomegranate	216	2613	234	2845	262	3034
Sapota	99	1236	97	1176	90	1089
Strawberry	1	4	1	5	1	5
Walnut	112	287	109	300	113	317
Watermelon	91	2182	101	2520	103	2504
Others	252	2392	238	1977	241	2024
Total Fruits	6373	92918	6506	97358	6648	98579
Vegetables						
Beans	198	2012	228	2277	228	2257
Bitterguard	95	1030	97	1137	99	1198
Bottleguard	153	2529	157	2683	186	3052
Brinjal	733	12510	730	12801	728	12660
Cabbage	395	8807	399	9037	399	9095
Capsicum	24	306	24	326	34	487
Carrot	86	1350	97	1648	108	1865

(Contd..)

Area in '000 Hectares
Production in '000 MT

Crops	2016-17		2017-18		2018-19*	
	Area	Production	Area	Production	Area	Production
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Cauliflower	454	8557	453	8668	469	9103
Cucumber	74	1142	82	1260	109	1696
Chillies (Green)	316	3634	309	3592	364	3720
Elephant Foot Yam	29	748	30	774	35	917
Mushroom	182	441	198	487	-	173**
Okra/ Ladyfinger	507	6003	509	6095	513	6170
Onion	1306	22427	1285	23262	1263	23485
Parmal(pointed gourd)	18	268	20	310	55	740
Peas	530	5345	540	5422	551	5533
Potato	2179	48605	2142	51310	2161	53027
Radish	203	2898	209	3061	202	3145
Sitaphal/Pumpkin/Kaddu	74	1664	78	1714	94	2030
Sweet Potato	128	1460	131	1500	116	1207
Tapioca	199	4171	173	4950	177	5484
Tomato	797	20708	789	19759	778	19397
Others	1558	21557	1580	22320	1431	19441
Total Vegetables	10238	178172	10259	184394	10100	185883
Aromatic	664	972	720	866	656	819
Flowers Cut		693		823		807
Flowers Loose	306	1699	324	1962	313	2059
Total Flowers	306	2392	324	2785	313	2865
Honey		95		105		120
Plantation Crops						
Arecanut	455	723	497	833	518	853
Cashewnut	978	745	1062	817	1089	743
Cocoa	83	19	89	20	94	24
Coconut	2082	16486	2097	16413	2179	14748
Total Plantation	3598	17972	3744	18082	3880	16368
Spices						
Ajwain	31	27	35	24	35	23
Cardamom	85	28	84	28	78	22
Chillies (Dried)	840	2096	752	2149	721	1690
Cinnamon/Tejpata	3	5	3	5	2	5
Celery, Dill & Poppy	36	35	36	34	30	30
Clove	2	1	2	1	2	2
Coriander	674	883	532	710	468	567
Cumin	781	493	966	689	1028	608
Fenugreek	210	297	149	202	122	189
Fennel	91	153	66	104	90	157
Garlic	321	1693	317	1611	354	2836
Ginger	168	1070	160	1118	174	1846 [#]
Nutmeg	23	15	23	15	19	12
Pepper	132	72	134	66	139	62
Vanilla	4	0	5	0	4	0
Tamarind	49	197	48	201	49	202
Turmeric	222	1056	238	1133	246	931 [@]
Mint (Mentha)			327	33	334	34
Total Spices	3671	8122	3878	8124	3895	9216
Total	24851	300643	25431	311714	25492	313851

Source : Department of Agriculture, Cooperation & Farmers Welfare

* Figures are as per 3rd Advance Estimates

** Data reported by Directorate of Mushroom Research, Solan

[#] Data in terms of Fresh Ginger

[@] Data in terms of Dry Turmeric

5.2: State-wise Area and Production of various Horticulture Crops during the Year 2018-19 (3rd Advance Estimates)

State/UTs	Fruits		Vegetables		Plantation		Aromatics & Medicinal		Flowers			Spices		Honey	Total	
	Area		Area		Area		Area		Area		Cut	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)
Andhra Pradesh	718.91	17614.67	259.83	7091.37	342.84	1220.81	6.50	11.00	28.04	302.53	0.00	199.05	742.61	1.90	1555.18	26984.89
Arunachal Pradesh	48.14	125.84	2.62	17.39	0.07	0.21	0.24	0.16	0.00	0.00	0.00	11.64	69.03	0.10	62.71	212.73
Assam	167.20	2518.89	324.13	4060.36	107.56	198.90	4.53	0.17	5.20	34.89	58.34	103.58	309.78	1.25	712.19	7182.59
Bihar	313.95	4384.46	872.55	16699.84	8.79	40.12	6.79	2.68	1.41	10.13	0.39	8.28	12.33	15.00	1211.76	21164.95
Chhattisgarh	225.24	2580.31	498.93	6910.32	16.53	29.15	9.67	67.53	13.06	54.94	214.81	11.58	18.25	0.85	775.02	9876.16
Gujarat	433.79	9227.76	626.26	12552.15	34.89	185.12	0.00	0.00	20.50	195.86	0.00	490.73	747.15	0.70	1606.16	22908.74
Haryana	67.28	712.02	438.39	7172.11	0.00	0.00	0.32	1.08	5.96	72.85	2.64	11.12	64.88	4.80	523.06	8030.38
Himachal Pradesh	230.85	571.74	87.31	1755.43	0.00	0.00	1.12	0.91	0.64	12.35	10.56	6.90	17.58	6.00	326.82	2374.57
Jammu & Kashmir	345.39	2564.27	60.12	1337.12	0.00	0.00	3.83	0.01	0.28	27.00	4.45	4.85	1.19	2.20	414.47	3936.23
Jharkhand	105.39	1111.96	293.42	3501.45	15.58	5.76	0.00	0.00	0.81	4.45	4.17	0.00	0.00	1.50	415.20	4629.29
Karnataka	395.55	6567.29	430.93	7044.89	1038.31	4220.70	1.71	9.47	24.76	178.03	75.21	223.74	677.87	2.20	2114.99	18775.66
Kerala	321.36	1885.97	98.77	3042.86	965.15	5421.89	0.01	0.00	53.26	0.08	44.84	152.53	192.86	2.20	1591.08	10590.71
Madhya Pradesh	357.01	7464.97	897.99	17773.19	0.00	0.00	38.16	90.79	31.42	375.62	0.00	640.17	2961.02	2.55	1964.75	28668.14
Maharashtra	756.97	10822.77	649.79	11283.23	236.60	363.76	0.41	0.22	11.36	57.61	0.11	33.89	194.43	1.70	1689.02	22723.82
Manipur	46.74	451.23	45.55	354.92	0.90	0.31	0.04	0.12	0.05	0.02	0.27	11.51	28.61	0.35	104.79	835.82
Meghalaya	35.75	331.67	49.02	514.75	26.14	30.86	0.00	0.00	0.01	0.00	0.02	15.44	74.26	0.28	126.36	951.83
Mizoram	62.91	339.18	34.65	163.80	12.17	9.20	0.77	0.78	0.17	0.00	2.36	27.67	100.93	0.20	138.34	616.46
Nagaland	33.94	315.34	41.11	455.87	2.17	10.25	0.13	0.88	0.04	0.00	24.40	9.96	58.79	0.70	87.35	866.23
Odisha	337.29	2361.13	613.62	8466.17	256.29	328.57	1.92	0.61	6.61	24.91	48.79	148.20	297.26	1.50	1363.92	11528.94
Punjab	94.80	2001.69	249.32	5207.36	0.00	0.00	13.20	2.79	2.09	13.07	0.00	32.29	100.71	16.50	391.71	7342.12
Rajasthan	62.35	919.90	178.01	2047.13	0.00	0.00	416.14	382.98	4.10	7.60	0.00	928.45	942.69	10.50	1589.05	4310.79
Sikkim	19.54	55.45	38.80	231.40	0.00	0.00	0.00	0.00	0.24	16.50	0.09	42.60	106.27	0.40	101.19	410.10
Tamil Nadu	293.97	5767.95	235.77	6082.54	620.21	3743.50	15.14	232.73	39.80	521.78	17.15	104.87	178.33	2.10	1309.76	16546.07
Telangana	175.90	2034.29	140.31	2548.69	0.45	3.23	0.05	0.44	4.60	20.71	10.96	144.39	651.10	0.76	465.70	5270.19
Tripura	53.70	555.47	46.71	813.38	14.04	29.46	0.00	0.00	0.00	0.00	0.00	6.15	30.22	0.18	120.60	1428.71
Uttar Pradesh	480.53	10651.26	1256.27	27703.82	0.00	0.00	135.04	13.53	21.33	46.70	65.58	393.80	250.81	22.00	2286.97	38753.71
Uttarakhand	178.80	670.63	100.14	1002.64	0.00	0.00	0.00	0.00	1.55	2.55	12.02	9.44	40.30	2.80	289.93	1730.95
West Bengal	266.33	3829.85	1490.39	29545.23	53.70	299.69	0.00	0.00	29.10	77.42	208.82	120.22	343.72	18.50	1959.73	34323.23
Others	18.23	141.30	39.11	503.81	127.99	226.14	0.00	0.00	6.54	1.12	0.59	2.09	3.41	0.28	193.96	876.65
Total	6647.78	98579.27	10099.82	185883.22	3880.37	16367.63	655.72	818.89	312.93	2058.72	806.55	3895.15	9216.37	120.00	25491.77	313850.66

Source : Department of Agriculture, Cooperation & Farmers Welfare

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

Area - Million Hectares Production - Million Tonnes Yield - Kg./Hectare			
Year	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
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	2.12	43.42	20509
2016-17	2.18	48.60	22303
2017-18	2.14	51.31	23957
2018-19 (3rd Adv Est)	2.16	53.03	24542

Source : Department of Agriculture, Cooperation & Farmers Welfare

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

State/ UTs	2018-19 (3rd Advance Estimate)					2017-18				
	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)
Uttar Pradesh	610.50	28.25	15323.55	28.90	25100	614.78	28.70	15555.53	30.32	25303
West Bengal	432.20	20.00	13783.00	25.99	31890	427.50	19.96	12782.50	24.91	29901
Bihar	320.11	14.82	8101.41	15.28	25308	304.8	14.23	7740.79	15.09	25398
Gujarat	124.65	5.77	3707.69	6.99	29746	133.29	6.22	3806.95	7.42	28561
Madhya Pradesh	143.99	6.66	3277.50	6.18	22762	136.29	6.36	3144.64	6.13	23073
Punjab	103.07	4.77	2724.44	5.14	26434	98.52	4.60	2571.04	5.01	26096
Assam	109.09	5.05	1116.57	2.11	10235	102.87	4.80	720.97	1.41	7009
Haryana	29.53	1.37	828.09	1.56	28042	34.72	1.62	897.58	1.75	25853
Jharkhand	48.79	2.26	693.57	1.31	14216	48.21	2.25	690.23	1.35	14316
Chhattisgarh	43.14	2.00	659.66	1.24	15291	44.87	2.09	694.61	1.35	15482
Others	195.62	8.80	2811.73	5.34	14373	195.89	9.28	2705.18	100.00	13810
All India	2160.69	100.00	53027.20	100.00	24542	2141.71	100.00	51310.01	100.00	23957

Source: Department of Agriculture, Cooperation & Farmers Welfare

Note: States have been arranged in descending order of percentage share in production during 2018-19.

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	1.32	20.93	15857
2016-17	1.31	22.43	17178
2017-18	1.28	23.26	18103
2018-19 (3rd Adv Est)	1.26	23.49	18597

Source : Department of Agriculture, Cooperation & Farmers Welfare

5.4 (b): Onion: Area, Production and Yield in Major Producing States

						Area - '000 Hectares Production - '000 Tonnes Yield - Kg./ Hectare				
State/UTs	2018-19 (3rd Advance Estimate)					2017-18				
	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)
Maharashtra	444.37	35.19	8047.14	34.26	18109	507.96	39.53	8854.00	38.06	17431
Madhya Pradesh	148.71	11.78	3714.79	15.82	24980	150.87	11.74	3701.88	15.91	24537
Karnataka	190.52	15.09	2645.61	11.27	13886	195.28	15.20	2996.50	12.88	15345
Bihar	61.03	4.83	1403.03	5.97	22988	53.77	4.18	1240.59	5.33	23072
Rajasthan	70.48	5.58	1388.42	5.91	19699	64.76	5.04	996.73	4.28	15391
Gujarat	44.33	3.51	1111.09	4.73	25064	22.49	1.75	546.20	2.35	24286
Andhra Pradesh	45.32	3.59	970.55	4.13	21416	42.00	3.27	915.73	3.94	21803
Haryana	32.01	2.53	696.92	2.97	21772	29.93	2.33	701.50	3.02	23438
West Bengal	35.28	2.79	638.38	2.72	18095	35.20	2.74	633.60	2.72	18000
Uttar Pradesh	26.90	2.13	440.38	1.88	16371	26.85	2.09	439.64	1.89	16374
Others	163.88	12.98	2428.77	10.34	14820	154.37	12.01	2371.46	10.19	15362
All India	1262.83	100.00	23485.07	100.00	18597	1284.99	100.00	23262.33	100.00	18103

Source : Department of Agriculture, Cooperation & Farmers Welfare

Note: States have been arranged in descending order of percentage share in production during 2018-19.

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	2088	15256	7305
2016-17	2082	16486	7918
2017-18	2097	16413	7828
2018-19 (3rd Adv Est)	2179	14748	6769

Source : Department of Agriculture, Cooperation & Farmers Welfare

5.5(b): Coconut: Area and Production in Major Producing States

State/UTs	2018-19 (3rd Advance Estimate)					2017-18				
	Area	% to All India	Production	% to All India	Yield	Area	% to All India	Production	% to All India	Yield
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Kerala	756.89	34.74	5263.00	35.69	6953	807.13	38.50	5829.00	35.52	7222
Tamil Nadu	437.34	20.07	3662.79	24.84	8375	441.49	21.06	4152.01	25.30	9405
Karnataka	615.26	28.24	3533.28	23.96	5743	518.39	24.72	4326.75	26.36	8347
Andhra Pradesh	117.65	5.40	1100.51	7.46	9354	99.51	4.75	963.37	5.87	9681
West Bengal	30.82	1.41	264.93	1.80	8596	30.25	1.44	260.45	1.59	8610
Odisha	50.91	2.34	235.90	1.60	4634	50.91	2.43	235.66	1.44	4629
Gujarat	26.91	1.24	179.01	1.21	6652	24.94	1.19	166.32	1.01	6669
Maharashtra	43.32	1.99	144.74	0.98	3341	26.97	1.29	88.22	0.54	3271
Assam	24.89	1.14	119.16	0.81	4787	19.92	0.95	116.01	0.71	5824
Bihar	8.79	0.40	40.12	0.27	4564	11.35	0.54	52.88	0.32	4659
Others	65.96	3.03	204.38	1.39	4653	65.84	4.76	221.90	1.35	3370
All India	2178.74	100.00	14747.82	100.00	6769	2096.70	100.00	16412.57	100.0	7828

Source : Department of Agriculture, Cooperation & Farmers Welfare

Note: States have been arranged in descending order of percentage share in production during 2018-19.

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	1034	994	670	650
2016-17	1040	1002	779	753
2017-18	1062	-	817	769
2018-19 (3rd Adv Est)	1089	-	743	682

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

5.6 (b): Cashewnut: Area, Production and Yield in Major Producing States

State	2018-19 (3rd Advance Estimate)					2017-18				
	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)
Maharashtra	191.45	17.6	215.64	29.0	1126	191.45	18.0	269.44	33.0	1407
Andhra Pradesh	191.27	17.6	109.90	14.8	575	186.78	17.6	116.92	14.3	626
Odisha	205.38	18.9	92.67	12.5	451	193.99	18.3	98.59	12.1	508
Karnataka	129.96	11.9	84.08	11.3	647	129.07	12.2	89.45	10.9	693
Kerala	96.65	8.9	82.89	11.2	858	92.81	8.7	88.18	10.8	950
Tamil Nadu	145.95	13.4	66.77	9.0	457	142.28	13.4	71.03	8.7	499
Chhattisgarh	14.97	1.4	21.61	2.9	1444	13.70	1.3	9.83	1.2	718
West Bengal	11.36	1.0	12.18	1.6	1072	11.36	1.1	12.96	1.6	1141
Gujarat	7.98	0.7	6.11	0.8	766	7.25	0.7	6.50	0.8	897
Jharkhand	15.58	1.4	5.76	0.8	370	14.83	1.4	6.13	0.8	413
Others	78.83	10.0	45.10	6.1	572	78.52	7.4	47.97	5.9	611
Total	1089.38	100.0	742.71	100.0	682	1062.04	100.0	817.00	100.0	769

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

Note: States have been arranged in descending order of percentage share in production during 2018-19.

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

Area - '000 Hectares

Production - '000 Tonnes

Yield - Kg/Hectare

Year	Area	Production	Yield
(1)	(2)	(3)	(4)
Arecanut			
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	474.36	713.84	1505
2016-17	454.65	722.85	1590
2017-18	496.65	832.98	1677
2018-19 (3rd Adv Est)	518.24	851.11	1642
Banana			
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	841.19	29134.82	34635
2016-17	859.97	30477.22	35440
2017-18	883.77	30807.50	34859
2018-19 (3rd Adv Est)	897.76	31746.83	35362

Source : Department of Agriculture, Cooperation & Farmers Welfare

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)
Garlic			
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	280.95	1617.34	5757
2016-17	320.93	1693.20	5276
2017-18	316.98	1610.62	5081
2018-19 (3rd Adv Est)	353.79	2836.79	8018
Ginger			
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	163.62	1109.18	6779
2016-17	167.59	1069.55	6382
2017-18	160.14	1118.16	6982
2018-19 (3rd Adv Est)	173.58	1845.67*	10633

Source : Department of Agriculture, Cooperation & Farmers Welfare

* Data in terms of Fresh Ginger

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

	Area - '000 Hectares Production - '000 Tonnes Yield - Kg/Hectare		
Year	Area	Production	Yield
(1)	(2)	(3)	(4)
Sweet Potato			
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	126.38	1454.33	11508
2016-17	128.43	1460.20	11370
2017-18	130.60	1500.49	11489
2018-19 (3rd Adv Est)	116.22	1207.44	10389
Tapioca			
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	203.50	4344.16	21347
2016-17	198.66	4170.76	20994
2017-18	172.82	4949.62	28640
2018-19 (3rd Adv Est)	177.45	5483.99	30904

Source : Department of Agriculture, Cooperation & Farmers Welfare

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)
Turmeric			
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	1166.80	5337
2012-13	194.20	971.10	5000
2013-14	232.67	1189.89	5114
2014-15	184.00	830.00	4511
2015-16	185.90	943.30	5074
2016-17	221.78	1056.10	4762
2017-18	237.96	1132.72	4760
2018-19 (3rd Adv Est)	245.79	931.48*	3790
Chillies (Dried)			
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	811.14	1520.39	1874
2016-17	840.11	2096.10	2495
2017-18	751.61	2149.23	2860
2018-19 (3rd Adv Est)	721.15	1689.52	2343

contd...

	Area - '000 Hectares Production - '000 Tonnes Yield - Kg/Hectare		
Year	Area	Production	Yield
(1)	(2)	(3)	(4)
Coriander			
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	581.60	584.98	1006
2016-17	673.97	883.23	1310
2017-18	532.32	709.84	1333
2018-19 (3rd Adv Est)	468.07	567.21	1212

Source : Department of Agriculture, Cooperation & Farmers Welfare

* Data in terms of Dry Turmeric

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

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

Year	Area	Production	Yield
(1)	(2)	(3)	(4)
Cardamom			
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	85.66	24.07	281
2016-17	84.68	27.66	327
2017-18	84.20	28.24	335
2018-19 (3rd Adv Est)	78.18	21.98	281
Pepper			
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	128.59	54.64	425
2016-17	132.35	72.25	546
2017-18	134.29	66.26	493
2018-19 (3rd Adv Est)	138.93	62.43	449

Source : Department of Agriculture, Cooperation & Farmers Welfare

6

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

6.1: All India Index Numbers of Area 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	2016-17	2017-18	2018-19*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Rice	100.3	104.0	95.7	97.9	100.5	97.6	100.8	100.7	99.3	100.5	100.0	100.0
Wheat	101.9	100.9	103.5	105.7	108.6	109.1	110.8	114.4	110.6	111.9	107.8	105.9
Jowar	93.5	90.7	93.8	88.9	75.2	74.9	69.8	74.2	73.2	67.8	60.5	46.3
Bajra	100.2	91.6	93.2	100.6	91.9	76.4	81.8	76.6	74.6	78.1	78.3	72.5
Maize	103.2	103.9	105.0	108.7	111.6	110.2	115.3	116.8	111.9	122.5	119.2	116.7
Ragi	101.5	101.1	92.8	94.1	86.1	82.8	87.4	88.4	83.3	74.4	87.4	67.2
Small Millets	100.1	87.2	80.0	77.1	77.0	72.7	65.7	56.8	62.6	59.6	52.6	48.0
Barley	96.2	112.7	99.6	112.6	102.7	111.0	107.5	113.0	94.1	104.8	105.5	97.1
Coarse Cereals	99.9	97.9	98.5	101.2	96.4	92.1	94.4	95.0	91.3	95.3	92.9	85.7
Cereals	100.9	101.6	99.5	101.8	103.3	101.6	104.0	105.7	102.9	104.5	102.2	100.2
Tur	102.8	93.2	95.7	120.5	110.6	107.5	107.8	106.4	109.4	147.3	122.5	131.8
Gram	103.0	107.8	111.6	125.5	113.4	116.4	135.6	112.7	114.7	131.5	144.2	128.9
Moong	111.5	85.0	91.8	108.0	101.3	81.3	101.2	90.3	114.5	129.4	126.9	142.3
Urad	104.1	87.4	96.6	105.4	104.4	101.8	98.8	104.8	117.0	144.6	170.4	157.2
Lentil	91.5	96.4	103.7	111.9	109.5	99.7	94.0	102.9	89.4	102.4	108.6	106.0
Other Pulses	96.4	91.5	96.3	102.7	93.3	83.3	84.5	87.2	89.7	98.9	87.9	86.4
Total Pulses	102.4	97.3	102.2	116.4	107.6	103.9	112.8	104.2	109.0	129.7	131.8	127.2
Foodgrains	101.2	100.9	100.0	104.4	104.1	102.0	105.6	105.4	103.9	109.0	107.4	105.0
Groundnut	101.2	99.2	88.1	94.2	84.7	76.0	88.6	76.7	74.0	85.9	78.7	77.3
Castor	103.6	114.0	96.7	115.9	193.6	162.4	139.9	143.4	139.6	106.3	108.5	100.2
Niger	94.7	91.4	87.3	86.2	84.7	72.1	69.4	53.9	58.5	59.6	50.8	45.0
Sesamum	103.3	103.9	111.5	119.6	109.2	97.9	96.4	100.2	112.0	95.7	90.7	91.7
R & M	87.9	95.0	84.3	104.1	88.9	96.0	100.2	87.5	86.7	91.6	90.1	94.0
Linseed	104.7	91.2	76.5	80.4	72.2	66.3	65.6	63.9	58.8	72.7	73.0	64.5
Safflower	90.5	83.2	81.3	68.9	70.7	51.8	50.2	49.4	36.0	40.8	23.2	11.4
Sunflower	89.4	84.8	69.0	43.4	34.2	38.8	31.4	27.6	22.8	17.8	13.3	11.6
Soybean	106.9	114.5	117.2	115.6	121.7	130.5	141.1	131.4	139.7	134.6	124.4	136.4
Total Oilseeds	98.5	101.8	94.8	101.0	97.5	97.5	104.1	94.3	95.4	97.1	91.1	94.5
Sugarcane	105.3	91.9	86.9	101.7	104.9	104.1	104.0	105.5	102.6	92.4	98.6	106.5
Cotton	103.7	103.6	111.6	123.8	134.1	131.9	131.7	141.2	135.4	119.3	138.6	139.4
Jute	103.2	99.6	102.8	98.1	102.5	98.4	95.8	95.0	92.3	89.5	86.9	86.5
Mesta	102.9	81.1	66.3	69.4	67.3	60.4	57.4	42.2	38.0	40.4	39.4	34.8
Coconut	98.7	98.7	98.2	98.3	105.9	110.8	110.9	102.4	108.2	107.9	108.7	114.8
Cotton seed	103.7	103.6	111.6	123.8	134.1	131.9	131.7	141.2	135.4	119.3	138.6	136.0
Sunhemp	97.2	82.1	76.0	87.8	64.3	53.2	39.0	39.0	33.4	32.8	31.5	0.0
Potato	105.0	123.6	124.0	125.9	127.6	134.6	133.3	140.3	143.1	147.3	144.8	146.5
Tapioca	101.1	111.7	92.5	88.1	68.2	82.5	90.9	82.9	81.4	79.4	69.0	73.0
Sweet potato	99.6	116.8	111.8	106.1	107.1	105.2	99.6	100.5	118.3	120.2	123.0	109.0
Onion	102.2	121.0	109.6	154.3	151.6	152.6	174.6	170.1	191.5	189.4	186.4	183.8
Banana	111.5	148.4	161.2	173.7	173.7	162.4	168.1	172.1	176.0	180.0	185.0	188.4
Tobacco	95.9	107.6	122.4	135.8	128.3	117.3	125.5	125.5	124.1	110.1	113.1	NA
Guar seed	106.6	118.6	91.8	104.4	105.7	158.2	183.1	183.1	172.0	126.0	120.9	NA
Black pepper	84.0	101.8	83.6	78.5	85.3	53.3	52.9	55.0	55.0	56.3	57.2	57.6
Dry chillies	108.7	105.1	103.5	106.9	108.0	107.2	104.6	102.7	109.4	113.4	101.5	95.3
Dry ginger	97.4	101.6	101.0	139.3	145.0	127.2	124.4	132.8	153.4	157.1	149.6	163.7
Turmeric	100.0	103.3	103.3	111.3	124.4	110.7	132.9	105.0	106.1	126.7	135.8	140.4
Arecanut	100.9	100.9	104.3	104.3	117.4	116.3	117.9	117.4	123.6	118.7	129.6	135.1
Cardamom	89.0	100.1	97.9	94.6	94.6	100.1	101.2	108.8	93.5	92.5	91.4	79.4
Coriander	110.3	113.9	103.3	152.1	161.9	155.8	128.3	158.7	167.0	193.4	152.7	183.9
Garlic	123.3	99.9	99.2	120.8	147.2	149.0	138.8	157.5	168.9	192.9	190.5	163.5
Tea^	102.0	102.0	102.0	102.0	102.0	99.9	99.9	99.9	99.9	101.8	105.7	105.7
Coffee	100.4	102.2	103.7	105.1	105.1	107.5	111.2	112.6	115.8	119.5	120.4	NA
Rubber^	103.1	107.5	111.4	111.4	111.4	126.3	126.3	129.1	131.6	132.8	133.2	133.4
Non Foodgrains	103.0	106.0	104.2	113.8	115.7	116.1	119.2	118.7	119.5	116.2	118.2	116.9
All Crops	102.1	103.4	102.1	109.0	109.8	109.0	112.3	112.0	111.6	112.6	112.7	110.9

Source: Directorate of Economics & Statistics, DAC&FW

* As per Fourth Advance Estimates for Foodgrains and Commercial crops and as per Second Advance Estimates for Horticultural crops

^ - 2018-19 Provisional

NA: Not Available

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	2016-17	2017-18	2018-19*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Rice	102.9	105.6	94.8	102.2	112.1	112.0	113.5	112.3	111.1	116.8	120.0	123.9
Wheat	105.4	108.2	108.3	116.5	127.2	125.4	128.5	116.0	123.7	132.1	133.9	137.0
Jowar	104.7	95.7	88.5	92.5	79.0	69.8	73.2	71.9	56.0	60.4	63.5	49.7
Bajra	114.7	102.2	74.8	119.3	118.2	100.6	106.4	105.7	92.8	111.9	105.9	99.1
Maize	116.6	121.4	102.9	133.7	133.9	136.9	149.3	148.7	138.8	159.3	176.9	167.5
Ragi	108.5	102.9	95.2	110.6	97.3	79.4	100.0	103.9	91.9	69.8	100.1	61.6
Small Millets	110.0	88.8	76.3	88.3	90.2	87.0	85.9	77.1	78.1	88.3	87.7	74.4
Barley	95.8	135.3	108.5	133.2	129.7	140.4	146.7	129.2	115.2	140.0	142.7	140.3
Coarse Cereals	112.1	110.0	92.3	118.9	114.8	109.2	118.0	116.7	104.6	118.8	127.3	116.2
Cereals	105.5	107.4	100.2	111.1	119.1	117.3	120.7	114.6	115.5	123.7	127.2	128.3
Tur	113.5	83.6	91.0	105.6	98.0	111.6	117.2	103.6	94.5	179.9	158.3	132.4
Gram	97.5	119.8	126.8	139.5	130.7	149.9	161.6	124.4	119.7	159.1	193.1	171.8
Moong	127.4	86.6	57.9	155.9	150.7	99.3	134.4	125.8	133.3	181.2	169.3	196.5
Urad	106.4	85.9	90.3	127.0	126.4	140.7	121.3	139.9	138.9	202.2	249.4	232.6
Lentil	91.2	107.1	115.9	106.0	118.9	127.4	114.3	116.3	109.6	137.5	182.2	175.4
Other Pulses	104.3	101.2	85.6	127.1	103.9	108.4	110.2	124.2	109.4	131.3	128.8	124.1
Total Pulses	105.2	102.1	102.3	129.4	121.6	129.4	135.6	122.0	116.7	165.5	181.7	168.2
Foodgrains	105.4	106.5	100.6	114.3	119.5	119.4	123.3	115.9	115.7	131.1	136.8	135.3
Groundnut	125.0	97.6	73.9	112.5	94.8	63.9	132.2	100.8	91.7	101.6	125.9	91.1
Castor	112.6	125.2	107.9	144.3	245.3	209.9	184.6	199.9	187.3	147.1	167.6	129.9
Niger	97.1	103.7	88.6	95.5	87.0	89.4	86.7	67.6	65.8	75.5	62.2	57.4
Sesamum	112.6	95.3	87.5	132.9	120.6	101.9	106.3	123.2	126.5	111.1	112.4	112.3
R & M	81.8	100.9	92.6	114.6	92.6	112.5	110.4	88.1	95.3	111.0	118.2	130.9
Linseed	97.3	100.8	91.5	87.2	90.8	88.5	84.4	92.1	74.7	109.7	103.5	95.0
Safflower	97.1	81.9	77.4	65.1	62.9	46.9	49.1	39.0	22.9	40.6	23.9	10.4
Sunflower	106.3	84.1	61.8	47.3	37.5	39.5	36.6	31.5	21.5	18.3	16.1	15.9
Soybean	117.1	105.8	106.4	136.0	130.4	156.6	126.7	110.8	91.5	140.5	116.8	147.2
Total Oilseeds	108.6	100.8	88.9	116.8	106.5	107.4	119.0	99.7	92.5	111.2	114.7	114.0
Sugarcane	106.1	86.8	89.0	104.3	110.0	103.9	107.3	110.4	106.1	93.2	115.7	121.9
Cotton	115.9	99.7	107.5	147.7	157.6	153.2	160.7	155.8	134.3	145.8	146.9	128.5
Jute	100.5	94.7	110.4	98.4	105.6	101.7	109.0	104.4	97.8	102.6	94.3	91.9
Mesta	105.5	77.9	62.5	65.1	70.6	62.8	64.6	54.1	62.1	56.5	47.1	44.6
Coconut	97.4	97.5	104.0	104.1	104.1	149.9	154.2	135.1	146.5	158.3	157.6	154.1
Cotton seed	115.9	99.7	107.5	147.7	157.6	153.2	160.7	155.8	134.3	145.8	146.9	128.5
Sunhemp	98.6	93.1	74.8	115.3	132.2	100.7	64.4	64.4	70.8	77.3	80.1	NA
Potato	114.6	138.4	147.2	170.4	187.4	182.5	167.2	193.2	174.7	195.6	206.5	213.1
Tapioca	105.6	116.5	97.6	97.8	77.0	87.6	98.6	53.0	52.6	50.5	59.9	67.8
Sweet potato	98.8	117.4	114.8	109.8	112.2	118.7	114.1	128.7	152.4	153.1	157.3	126.9
Onion	102.7	152.4	136.6	169.8	183.6	188.9	218.0	212.6	235.1	251.9	261.3	261.6
Banana	114.2	169.7	171.3	192.7	172.5	171.5	192.4	189.1	188.5	197.2	199.4	202.0
Tobacco	93.0	121.0	147.4	176.9	160.0	139.8	156.4	156.4	170.8	171.4	202.4	NA
Guar seed	133.6	144.6	44.3	147.2	165.6	183.8	268.0	268.0	211.0	138.1	121.3	NA
Black pepper	67.6	68.0	73.2	74.6	63.2	76.1	73.2	93.3	78.9	103.3	94.7	89.0
Dry chillies	109.5	107.2	101.5	103.2	106.0	110.1	125.9	135.5	128.3	176.9	181.4	201.4
Dry ginger	98.3	97.7	99.0	180.4	194.1	175.5	168.4	195.3	285.0	275.0	287.4	372.9
Turmeric	98.0	101.3	97.8	122.4	141.2	119.7	146.7	102.3	116.3	130.2	139.7	171.3
Arecanut	100.0	100.6	100.0	100.0	130.3	127.4	130.1	156.2	149.3	151.2	174.2	178.2
Cardamom	85.7	99.1	102.3	102.3	102.3	115.1	134.3	153.5	153.5	179.1	179.1	140.7
Coriander	121.2	94.8	92.8	188.7	211.8	205.2	122.9	180.9	229.1	345.7	278.0	296.0
Garlic	131.2	102.1	102.4	129.9	150.6	154.6	153.8	175.0	198.6	207.9	197.8	184.8
Tea^	101.5	101.0	101.0	101.0	101.0	101.0	124.4	123.2	126.9	128.7	136.4	139.0
Coffee	95.4	95.5	105.4	110.0	110.0	110.0	110.9	119.1	126.7	113.6	115.0	NA
Rubber^	99.8	104.5	100.5	100.5	100.5	100.4	93.6	78.0	68.0	83.6	83.9	78.7
Non Foodgrains	108.6	107.6	105.0	127.9	129.3	128.6	136.4	132.3	126.1	134.7	142.1	137.7
All Crops	107.0	107.0	102.8	121.0	124.3	124.0	129.8	124.0	120.8	132.8	139.4	136.5

Source : Directorate of Economics & Statistics, DAC&FW

* As per Fourth Advance Estimates for Foodgrains and Commercial crops and as per Second Advance Estimates for Horticultural crops

^ 2018-19 - Provisional

NA: Not Available

6.3 : All India Index Numbers of Yield 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	2016-17	2017-18	2018-19*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Rice	102.6	101.5	99.1	104.4	111.5	114.8	112.6	111.5	111.9	116.2	120.1	123.9
Wheat	103.4	107.2	104.7	110.2	117.2	115.0	116.0	101.4	111.9	118.0	124.2	129.4
Jowar	112.0	105.5	94.3	104.1	105.0	93.2	104.9	96.9	76.5	89.1	104.9	107.4
Bajra	114.5	111.6	80.3	118.6	128.7	131.7	130.2	137.9	124.4	143.4	135.3	136.6
Maize	113.0	116.8	97.9	122.9	119.9	124.2	129.5	127.4	124.0	130.1	148.4	143.5
Ragi	106.9	101.7	102.6	117.5	113.0	95.9	114.4	117.5	110.3	93.9	114.5	91.7
Small Millets	109.9	101.9	95.3	114.6	117.2	119.8	130.6	135.7	124.7	148.0	166.6	154.9
Barley	99.6	120.1	109.0	118.3	126.2	126.5	136.4	114.4	122.4	133.6	135.2	144.6
Coarse Cereals	112.3	112.4	93.8	117.5	119.1	118.6	125.0	122.9	114.5	124.7	137.1	135.6
Cereals	104.5	105.7	100.7	109.1	115.3	115.4	116.0	108.5	112.3	118.3	124.5	128.0
Tur	110.4	89.7	95.1	87.6	88.6	103.8	108.7	97.4	86.4	122.1	129.2	100.5
Gram	94.7	111.1	113.7	111.2	115.3	128.7	119.2	110.4	104.4	121.0	133.8	133.3
Moong	114.3	101.8	63.1	144.3	148.7	122.1	132.8	139.3	116.5	140.0	133.5	138.1
Urad	102.2	98.3	93.4	120.5	121.1	138.3	122.7	133.5	118.8	139.9	146.4	148.0
Lentil	99.6	111.1	111.7	94.7	108.6	127.7	121.6	113.0	122.6	134.3	167.8	165.5
Other Pulses	108.2	110.6	88.8	123.7	111.4	130.2	130.4	142.4	121.9	132.7	146.6	143.6
Total Pulses	102.8	104.9	100.1	111.2	113.1	124.4	120.2	117.0	107.0	127.6	137.9	132.2
Foodgrains	104.2	105.6	100.6	109.5	114.9	117.1	116.8	110.0	111.3	120.3	127.4	128.9
Groundnut	123.5	98.4	83.8	119.4	111.9	84.1	149.3	131.3	123.9	118.2	160.1	117.8
Castor	108.7	109.8	111.5	124.6	126.7	129.3	131.9	139.4	134.1	138.4	154.5	129.7
Niger	102.5	113.5	101.5	110.7	102.7	123.9	124.9	125.2	112.6	126.7	122.6	127.5
Sesamum	109.0	91.7	78.5	111.1	110.4	104.1	110.3	122.9	112.9	116.1	123.9	122.5
R & M	93.1	106.3	109.9	110.2	104.1	117.3	110.2	100.7	109.9	121.1	131.1	139.3
Linseed	93.0	110.4	119.6	108.6	125.8	133.5	128.7	144.2	127.1	150.8	141.8	147.2
Safflower	107.3	98.4	95.1	94.5	88.9	90.6	97.7	78.9	63.6	99.7	103.1	90.7
Sunflower	118.9	99.2	89.5	108.9	109.7	101.8	116.6	114.4	94.5	102.5	121.5	137.6
Soybean	109.5	92.4	90.8	117.6	107.2	120.0	89.8	84.3	65.5	104.4	93.9	107.9
Total Oilseeds	110.3	99.0	93.8	115.7	109.3	110.1	114.3	105.7	97.0	114.5	125.9	120.7
Sugarcane	100.8	94.4	102.4	102.5	104.8	99.8	103.2	104.6	103.5	100.9	117.3	114.5
Cotton	111.7	96.2	96.4	119.4	117.5	116.1	122.0	110.3	99.2	122.3	105.9	92.2
Jute	97.4	95.1	107.4	100.4	103.0	103.3	113.7	109.9	105.9	114.6	108.5	106.3
Mesta	102.5	96.0	94.3	93.8	105.0	104.0	112.6	128.1	163.5	139.9	119.4	128.2
Coconut	98.8	98.8	105.8	105.9	98.3	135.3	139.0	131.9	135.4	146.7	145.0	134.2
Cotton seed	111.7	96.2	96.4	119.4	117.5	116.1	122.0	110.3	99.2	122.3	105.9	94.5
Sunhemp	101.4	113.4	98.4	131.3	205.5	189.3	165.1	165.1	212.1	235.9	254.3	NA
Potato	109.1	112.0	118.7	135.3	146.8	135.5	125.4	137.7	122.1	132.8	142.6	145.5
Tapioca	104.5	104.4	105.5	111.0	112.9	106.2	108.4	63.8	64.7	63.7	86.9	92.9
Sweet potato	99.3	100.6	102.7	103.4	104.8	112.8	114.6	128.1	128.8	127.3	127.8	116.4
Onion	100.5	125.9	124.6	110.0	121.1	123.8	124.8	125.0	122.8	133.0	140.2	142.3
Banana	102.5	114.3	106.3	110.9	99.3	105.6	114.4	109.9	107.1	109.6	107.7	107.2
Tobacco	97.0	112.5	120.4	130.3	124.6	119.2	124.6	124.6	137.6	155.7	179.0	NA
Guar seed	125.3	121.9	48.3	141.0	156.6	116.2	146.4	146.4	122.6	109.7	100.4	NA
Black pepper	80.4	66.8	87.5	95.1	74.0	142.7	138.4	169.5	143.5	183.5	165.7	154.5
Dry chillies	100.7	101.9	98.1	96.6	98.2	102.7	120.4	131.9	117.2	156.0	178.7	211.4
Dry ginger	101.0	96.2	98.0	129.5	133.9	138.0	135.4	147.1	185.9	175.1	192.0	227.9
Turmeric	97.9	98.0	94.7	110.1	113.5	108.2	110.4	97.5	109.6	102.8	102.9	122.0
Areca nut	99.1	99.7	95.8	95.8	111.0	109.5	110.3	133.1	120.8	127.4	134.4	131.9
Cardamom	96.3	99.1	104.5	108.1	108.1	115.1	132.8	141.1	164.1	193.7	196.0	177.2
Coriander	109.9	83.2	89.8	124.1	130.9	131.7	95.8	114.0	137.1	178.7	182.1	160.9
Garlic	106.4	102.2	103.3	107.6	102.3	103.7	110.8	111.1	117.6	107.8	103.8	113.1
Tea^	99.6	99.0	99.0	99.0	99.0	101.1	124.6	123.4	127.1	126.5	129.1	131.5
Coffee	95.0	93.4	101.7	104.6	104.6	102.3	99.7	105.7	109.4	95.0	95.5	NA
Rubber^	96.8	97.3	90.2	90.2	90.2	79.4	74.1	60.4	51.6	62.9	63.0	59.0
Non Foodgrains	105.4	101.5	100.7	112.4	111.7	110.8	114.4	111.5	105.5	115.8	120.2	117.8
All Crops	104.8	103.5	100.7	111.0	113.2	113.7	115.5	110.8	108.3	118.0	123.7	123.1

Source : Directorate of Economics & Statistics, DAC&FW

* As per Fourth Advance Estimates for Foodgrains and Commercial crops and as per Second Advance Estimates for Horticultural crops

^ 2018-19 - Provisional

NA: Not Available

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

(Base: T.E.: 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	87.78
2005-06	61.40	80.31	64.60	74.53	72.42	84.77
2006-07	63.97	77.66	67.75	78.37	73.48	87.05
2007-08	72.06	82.80	71.52	84.11	78.14	92.22
2008-09	82.06	85.61	74.72	92.10	82.07	99.98
2009-10	90.89	91.75	89.09	92.71	90.77	100.13
2010-11	101.29	97.31	98.94	99.33	98.39	102.95
2011-12	107.82	110.95	111.98	107.96	110.84	97.27
2012-13	119.49	119.80	128.36	115.21	122.67	97.40
2013-14	131.67	128.28	144.83	117.84	133.55	98.60
2014-15	138.21	132.49	157.70	122.70	141.64	97.58
2015-16	142.78	139.46	164.85	121.90	147.26	96.96
2016-17	151.04	144.15	172.36	122.67	152.46	99.07
2017-18	154.57	151.35	176.98	125.99	157.83	97.94
2018-19(P)	158.72	158.56	183.55	132.41	164.61	96.43

Source : Directorate of Economics & Statistics, DAC&FW

P- Provisional

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

(Base: T.E.: 2011-12=100)

Year	Index of Prices Received for			Index of Prices Paid for Final Consumption for			Index of Prices Paid for		Combined Index for Prices Paid (IPP)	Index of Terms of Trade (ITT)
	Farmers	Agricultural Labourers	Combined 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	81.52
2005-06	61.40	55.22	61.03	80.31	77.01	79.36	71.69	74.53	76.48	79.80
2006-07	63.97	58.29	63.63	77.66	75.05	76.91	75.55	78.37	76.84	82.81
2007-08	72.06	61.83	71.45	82.80	82.10	82.60	80.51	84.11	82.35	86.76
2008-09	82.06	76.28	81.72	85.61	84.55	85.31	87.09	92.10	87.06	93.86
2009-10	90.89	85.61	90.57	91.75	91.40	91.65	92.67	92.71	92.11	98.33
2010-11	101.29	98.17	101.10	97.31	97.47	97.35	99.42	99.33	98.26	102.90
2011-12	107.82	116.22	108.32	110.95	111.14	111.00	107.91	107.96	109.63	98.81
2012-13	119.49	133.83	120.34	119.80	118.76	119.50	121.44	115.21	119.18	100.97
2013-14	131.67	151.40	132.85	128.28	129.25	128.56	130.34	117.84	126.98	104.62
2014-15	138.21	179.32	140.66	132.49	133.48	132.77	135.30	122.70	131.51	106.96
2015-16	142.78	185.04	145.30	139.46	141.16	139.94	138.33	121.90	136.10	106.76
2016-17	151.04	197.32	153.80	144.15	146.83	144.92	143.42	122.67	140.30	109.62
2017-18	154.57	205.95	157.63	151.35	154.13	152.15	143.31	125.99	144.91	108.78
2018-19(P)	158.72	210.66	161.82	158.56	160.97	159.25	148.97	132.41	151.51	106.80

Source: Directorate of Economics & Statistics, DAC&FW
P- Provisional

7

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

7.1: Area, Production and Yield of Principal Crops in various Countries in 2017

Area - '000 Hectares Production - '000 Tonnes Yield - Kg./Hectare				
Country	Area	Production	Yield	Production (%)
(1)	(2)	(3)	(4)	(5)
1. Paddy				
World	167249	769658	4602	100.00
China, mainland	30747	212676	6917	27.63
India	43789	168500	3848	21.89
Indonesia	15788	81382	5155	10.57
Bangladesh	11272	48980	4345	6.36
Viet Nam	7709	42764	5548	5.56
Thailand	10615	33383	3145	4.34
Myanmar	6745	25625	3799	3.33
Philippines	4812	19276	4006	2.50
Brazil	2008	12470	6210	1.62
Pakistan	2901	11175	3853	1.45
2. Wheat				
World	218543	771719	3531	100.00
China, mainland	24508	134334	5481	17.41
India	30600	98510	3219	12.77
Russian Federation	27517	85863	3120	11.13
United States of America	15211	47371	3114	6.14
France	5465	36925	6757	4.78
Australia	12191	31819	2610	4.12
Canada	9036	29984	3318	3.89
Pakistan	8972	26674	2973	3.46
Ukraine	6377	26209	4110	3.40
Germany	3203	24482	7644	3.17
3. Maize				
World	197186	1134747	5755	100.00
United States of America	33469	370960	11084	32.69
China, mainland	42399	259071	6110	22.83
Brazil	17394	97722	5618	8.61
Argentina	6531	49476	7576	4.36
India	9219	28720	3115	2.53
Indonesia	5375	27952	5200	2.46
Mexico	7328	27762	3789	2.45
Ukraine	4481	24669	5506	2.17
South Africa	2629	16820	6399	1.48
Romania	2405	14326	5956	1.26
4. Pulses				
World	95167	95979	1009	100.00
India	34991	23241	664	24.21
Canada	4438	8715	1964	9.08
Myanmar	4419	7053	1596	7.35
China, mainland	2908	5005	1721	5.21
Russian Federation	2124	4265	2008	4.44
Australia	2344	4124	1759	4.30
Nigeria	3925	3476	886	3.62
Brazil	2820	3046	1080	3.17
United States of America	1907	2941	1542	3.06
Ethiopia	1615	2923	1810	3.05

(Contd...)

Area - '000 Hectares Production - '000 Tonnes Yield - Kg./Hectare				
Country	Area	Production	Yield	Production (%)
(1)	(2)	(3)	(4)	(5)
5. Sugarcane				
World	25977	1841528	70891	100.00
Brazil	10184	758548	74482	41.19
India	4389	306069	69735	16.62
China, mainland	1371	104404	76152	5.67
Thailand	1368	102946	75238	5.59
Pakistan	1217	73401	60318	3.99
Mexico	772	56955	73776	3.09
Australia	453	36561	80626	1.99
Colombia	397	34638	87164	1.88
Guatemala	279	33758	121012	1.83
United States of America	366	30153	82412	1.64
6. Groundnut (with shell)				
World	27940	47097	1686	100.00
China, mainland	4608	17092	3709	36.29
India	5300	9179	1732	19.49
United States of America	719	3281	4566	6.97
Nigeria	2820	2420	858	5.14
Sudan	2015	1641	814	3.48
Myanmar	1034	1583	1531	3.36
Argentina	334	1031	3087	2.19
United Republic of Tanzania	1077	979	909	2.08
Senegal	940	915	973	1.94
Chad	768	870	1133	1.85
7. Tobacco Unmanufactured				
World	3528	6502	1843	100.00
China, mainland	1081	2391	2212	36.78
Brazil	398	881	2211	13.55
India	468	800	1711	12.30
United States of America	130	322	2476	4.95
Zimbabwe	150	182	1210	2.79
Indonesia	186	152	820	2.34
Zambia	73	132	1793	2.02
Pakistan	50	118	2368	1.81
Argentina	57	117	2044	1.80
United Republic of Tanzania	119	104	880	1.61

Source : FAOSTAT (as on 08.01.2020).

7.2: India's Position in World Agriculture in 2017

Item	India	World	% Share	India's Rank	Next to
(1)	(2)	(3)	(4)	(5)	(6)
1. Area (Million Hectares)					
Total Area	328.73	13486.03	2.44	Seventh	Russian Federation, Canada, U.S.A., China, Brazil, Australia
Land Area	297.32	13002.86	2.29	Seventh	Russian Federation, China, U.S.A., Canada, Brazil, Australia
Arable Land	156.46	1390.70	11.25	Second	U.S.A.
2. Population (Million)					
Total	1338.68	7547.86	17.74	Second	China
Rural	889.22	3410.07	26.08	First	
3. Crop Production (Million Tonnes)					
(A) : Total Cereals					
Wheat	313.61	2980.17	10.52	Third	China, U.S.A
Rice (Paddy)	98.51	771.72	12.77	Second	China
Rice (Paddy)	168.50	769.66	21.89	Second	China
(B): Pulses					
	23.24	95.98	24.21	First	
(C): Oilseeds					
Groundnut (with shell)	9.18	47.10	19.49	Second	China
Rapeseed	7.92	76.24	10.38	Third	Canada, China
(D): Commercial Crops					
Sugarcane	306.07	1841.53	16.62	Second	Brazil
Tea	1.33	6.10	21.72	Second	China
Coffee (green)	0.31	9.21	3.39	Eighth	Brazil, Vietnam, Colombia, Indonesia, Honduras, Ethiopia, Peru
Jute	1.97	3.53	55.69	First	
Cotton (Lint)*	6.05	24.77	24.43	Second	China
Tobacco Unmanufactured	0.80	6.50	12.30	Third	China, Brazil
4. Fruits & Vegetables Production (Million Tonnes)					
(A): Vegetables Primary	127.14	1094.34	11.62	Second	China
(B): Fruits Primary	92.30	865.59	10.66	Second	China
(C): Potatoes	48.61	388.19	12.52	Second	China
(D): Onion (Dry)	22.43	97.86	22.92	Second	China
5. Livestock (Million Heads)					
(A): Cattle	185.10	1491.69	12.41	Second	Brazil
(B): Buffaloes	113.33	200.97	56.39	First	
(C): Camels	0.33	34.83	0.93	Sixteenth	Chad, Somalia, Sudan, Kenya, Niger, Mauritania, Ethiopia, Mali, Pakistan, Saudi Arabia, U.A.E., Yemen, Mongolia, Algeria, Eritrea
(D): Sheep	63.07	1202.43	5.25	Third	China, Australia
(E): Goats	133.35	1034.41	12.89	Second	China
(F): Chicken	783.27	22847.06	3.43	Sixth	China, Indonesia, U.S.A, Brazil, Iran
6. Dairy Products (Million Tonnes)					
(A): Milk Total	176.27	827.88	21.29	First	
(B): Eggs (Primary) Total	4.85	87.01	5.57	Third	China, U.S.A
(C): Meat, Total	7.30	334.23	2.18	Sixth	China, U.S.A, Brazil, Russian Federation, Germany

Source: FAOSTAT (as on 08.01.2020)

* Data relates to 2013

8

Minimum Support Prices & Marketed Surplus Ratios

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

(₹ Per Quintal)
(As on 23.10.2019)

Sl. No (1)	Commodity (2)	Variety (3)	2015-16 (4)	2016-17 (5)	2017-18 (6)	2018-19 (7)	2019-20 (8)
<u>Kharif Crops</u>							
1	Paddy	Common	1410	1470	1550	1750	1815
		Grade 'A'	1450	1510	1590	1770	1835
2	Jowar	Hybrid	1570	1625	1700	2430	2550
		Maldandi	1590	1650	1725	2450	2570
3	Bajra		1275	1330	1425	1950	2000
4	Maize		1325	1365	1425	1700	1760
5	Ragi		1650	1725	1900	2897	3150
6	Arhar(Tur)		4625^	5050^^	5450^	5675	5800
7	Moong		4850^	5225^^	5575^	6975	7050
8	Urad		4625^	5000^^	5400^	5600	5700
9	Cotton	Medium Staple	3800	3860	4020	5150	5255
		Long Staple	4100	4160	4320	5450	5550
10	Groundnut In Shell		4030	4220*	4450^	4890	5090
11	Sunflower Seed		3800	3950*	4100*	5388	5650
12	Soybean		2600	2775*	3050^	3399	3710
13	Sesamum		4700	5000^	5300*	6249	6485
14	Nigerseed		3650	3825*	4050*	5877	5940
<u>Rabi Crops</u>							
15	Wheat		1525	1625	1735	1840	1925
16	Barley		1225	1325	1410	1440	1525
17	Gram		3500**	4000^	4400@	4620	4875
18	Masur (Lentil)		3400**	3950@	4250*	4475	4800
19	Rapeseed/Mustard		3350	3700*	4000*	4200	4425
20	Safflower		3300	3700*	4100*	4945	5215
21	Toria		3290	3560	3900	4190	-
<u>Other Crops</u>							
22	Copra (Calendar Year)	Milling	5550	5950	6500	7511	9521
		Ball	5830	6240	6785	7750	9920
23	De-Husked Coconut (Calendar Year)		1500	1600	1760	2030	2571
24	Jute		2700	3200	3500	3700	3950
25	Sugarcane\$		230	230	255	275	275

Source : Directorate of Economics & Statistics, DAC&FW

\$ Fair and Remunerative Price (FRP)

* Including Bonus of ₹ 100 per quintal

** Including Bonus of ₹ 75 per quintal

^ Including Bonus of ₹ 200 per quintal

^^ Including Bonus of ₹ 425 per quintal

@ Including Bonus of ₹ 150 per quintal

8.2: Central Issue Price of Rice, Wheat and Nutri-Cereals

(₹ per Quintal)					
Period	Scheme	Rice		Wheat	Nutri-Cereals
		Normal	Grade 'A'		
(1)	(2)	(3)	(4)	(5)	(6)
01.12.1997 to 28.01.1999	APL	550	700	450	-
	BPL	-	350	250	-
29.01.1999 to 31.03.1999	APL	700	905	650	-
	BPL	-	350	250	-
01.04.1999 to 31.03.2000	APL	700	905	682	-
	BPL	-	590	250	-
01.04.2000 to 24.07.2000	APL	1135	1180	900	-
	BPL	-	590	450	-
25.07.2000 to 11.07.2001	APL	1087	1130	830	-
	BPL	-	565	415	-
	AAY	-	300	200	200
12.07.2001 to 31.03.2002	APL	795	830	565	-
	BPL	-	565	415	-
	AAY	-	300	200	200
01.04.2002 to 30.06.2002	APL	695	730	510	-
	BPL	-	565	415	-
	AAY	-	300	200	200
01.04.2002 to 30.06.2002	APL	695	730	510	-
	BPL	-	565	415	-
	AAY	-	300	200	200
01.07.2002 to 15.11.2005	APL	795	830	610	-
	BPL	-	565	415	-
	AAY	-	300	200	200
16.11.2005 to 31.03.2008	APL	795	830	610	70% of Economic Cost
	BPL	-	565	415	50% of Economic Cost
	AAY	-	300	200	200
01.04.2008 to 05.07.2013	APL	795	830	610	450
	BPL	-	565	415	300
	AAY	-	300	200	150
05.07.2013 to 31.03.2016	AAY/ PHH	-	300	200	100
	BPL	-	565	415	300
	APL/ tide over	795	830	610	450
01.04.2016 to till date	AAY/PHH/ MDM/ICDS	-	300	200	100
	Hostel & WI SAG/SABLA Annapurna	-	565	415	300
	Tide Over	795	830	610	450

Source: Department of Food & Public Distribution
 APL: Above Poverty Line, BPL: Below Poverty Line, AAY: Antyodaya Anna Yojana,
 MDM: Mid Day Meal, ICDS: Integrated Child Development Scheme
 SABLA: Rajiv Gandhi Scheme for Empowerment of Adolescent Girls
 NFSA: National Food Security Act, PHH: Priority Households

8.3: Cost Estimates of Principal Crops 2016-17

Crop	State	Cost of Cultivation* (₹/Hectare)	Yield (Qtl./Hectare)
(1)	(2)	(3)	(4)
Paddy	Andhra Pradesh	80303.72	60.02
	Assam	56191.48	32.69
	Bihar	43491.28	30.81
	Chhattisgarh	49225.36	34.42
	Gujarat	57165.59	44.02
	Haryana	82418.75	50.97
	Himachal Pradesh	42345.05	21.22
	Jharkhand	37032.56	24.71
	Karnataka	73998.04	52.64
	Kerala	77273.73	40.88
	Madhya Pradesh	44752.18	32.75
	Maharashtra	78103.00	30.39
	Odisha	61505.71	38.55
	Punjab	76079.54	69.38
	Tamil Nadu	75492.62	47.29
	Uttar Pradesh	58429.30	37.31
	Uttarakhand	49795.20	45.76
	West Bengal	77627.80	45.81
Wheat	Bihar	43962.71	31.77
	Gujarat	44267.90	33.35
	Haryana	70042.32	49.28
	Himachal Pradesh	37618.10	15.21
	Jharkhand	28943.18	18.88
	Karnataka	20121.33	4.99
	Madhya Pradesh	46449.96	38.42
	Maharashtra	57729.38	26.94
	Punjab	60973.49	49.66
	Rajasthan	61754.26	42.23
	Uttar Pradesh	58995.21	39.03
	Uttarakhand	48378.83	37.47
	West Bengal	51824.93	26.66
Maize	Andhra Pradesh	67284.98	53.07
	Bihar	47409.38	36.16
	Gujarat	40000.05	19.06
	Himachal Pradesh	40106.62	16.42
	Jharkhand	38341.23	40.82
	Karnataka	42557.14	31.54
	Madhya Pradesh	38260.91	23.40
	Maharashtra	72873.27	55.06
	Odisha	61457.51	42.08
	Punjab	53064.05	35.90
	Rajasthan	43730.62	17.51
	Tamil Nadu	92710.08	44.66
	Uttar Pradesh	42595.05	24.43

(Contd..)

Crop	State	Cost of Cultivation* (₹/Hectare)	Yield (Qtl./Hectare)
(1)	(2)	(3)	(4)
Jowar	Andhra Pradesh	39771.88	10.53
	Karnataka	21120.88	5.84
	Madhya Pradesh	33037.00	19.21
	Maharashtra	40817.55	12.22
	Rajasthan	32362.53	9.14
	Tamil Nadu	42957.00	6.61
Bajra	Gujarat	48281.29	23.39
	Haryana	40885.70	22.10
	Maharashtra	52311.39	23.09
	Rajasthan	28966.65	11.52
	Uttar Pradesh	40227.50	28.80
Barley	Rajasthan	55851.91	38.57
	Uttar Pradesh	44864.43	30.50
Ragi	Karnataka	46718.91	19.01
	Uttarakhand	31461.37	18.80
Arhar	Andhra Pradesh	52053.27	8.13
	Gujarat	42398.72	11.54
	Karnataka	33952.45	10.23
	Madhya Pradesh	41220.26	10.21
	Maharashtra	95233.82	22.16
	Odisha	25195.64	3.80
	Uttar Pradesh	49039.55	9.68
Gram	Andhra Pradesh	49331.92	11.82
	Bihar	40474.01	16.41
	Chhattisgarh	33632.61	10.90
	Haryana	42246.51	9.23
	Jharkhand	20280.71	11.32
	Karnataka	30901.67	6.36
	Madhya Pradesh	47842.80	14.38
	Maharashtra	50680.56	12.09
	Rajasthan	43665.07	12.72
	Uttar Pradesh	54370.07	14.73
Urad	Andhra Pradesh	28002.09	4.23
	Chhattisgarh	36727.57	7.53
	Madhya Pradesh	28869.93	6.59
	Maharashtra	42215.29	7.21
	Odisha	23243.71	3.55
	Tamil Nadu	37908.12	5.45
	Uttar Pradesh	24617.19	4.32

(Contd..)

Crop	State	Cost of Cultivation* (₹/Hectare)	Yield (Qtl./Hectare)
(1)	(2)	(3)	(4)
Moong	Andhra Pradesh	23881.91	2.66
	Gujarat	37444.16	9.42
	Karnataka	21621.38	4.96
	Maharashtra	40928.21	7.35
	Odisha	19528.01	2.83
	Rajasthan	24151.71	4.99
Lentil	Bihar	31140.29	12.00
	Madhya Pradesh	31979.37	12.77
	Uttar Pradesh	44016.23	9.44
	West Bengal	43473.91	10.60
Groundnut	Andhra Pradesh	59840.59	10.29
	Gujarat	79428.64	21.10
	Karnataka	50288.73	9.36
	Maharashtra	84997.77	8.43
	Odisha	53822.41	9.03
	Rajasthan	68388.46	24.30
	Tamil Nadu	83480.82	19.03
R & M	Assam	37797.83	8.26
	Bihar	33599.88	12.75
	Gujarat	42564.23	16.25
	Haryana	52516.31	18.92
	Madhya Pradesh	40181.05	19.21
	Rajasthan	43602.36	17.15
	Uttar Pradesh	48771.63	16.24
	West Bengal	50094.82	12.65
Soybean	Andhra Pradesh	60532.81	18.93
	Chhattisgarh	26402.18	9.99
	Madhya Pradesh	36591.30	13.69
	Maharashtra	56309.61	17.70
	Rajasthan	30107.35	8.18
Sunflower	Andhra Pradesh	34633.41	7.72
	Karnataka	28582.66	11.69
Nigerseed	Madhya Pradesh	21371.70	3.34
	Odisha	21027.43	2.33

(Contd..)

Crop	State	Cost of Cultivation* (₹/Hectare)	Yield (Qtl./Hectare)
(1)	(2)	(3)	(4)
Sesamum	Andhra Pradesh	24449.10	3.13
	Gujarat	38906.91	6.85
	Madhya Pradesh	24426.06	4.35
	Odisha	26227.06	5.66
	Uttar Pradesh	19525.01	3.37
	Rajasthan	22167.92	2.78
	West Bengal	44938.82	8.87
Sugarcane	Andhra Pradesh	181923.70	763.50
	Karnataka	134610.20	931.40
	Maharashtra	154534.30	808.52
	Tamil Nadu	179387.00	933.12
	Uttar Pradesh	98469.02	548.77
	Uttarakhand	104939.80	494.68
Cotton	Andhra Pradesh	83117.09	18.29
	Gujarat	73153.88	18.26
	Haryana	74109.59	15.20
	Karnataka	69735.99	16.56
	Madhya Pradesh	82746.60	14.62
	Maharashtra	81064.43	18.43
	Odisha	69087.15	15.74
	Punjab	88365.16	21.04
	Rajasthan	71974.09	14.62
	Tamil Nadu	98676.23	14.63
Jute	Assam	87675.29	20.47
	Bihar	31203.31	11.87
	Odisha	70647.87	16.72
	West Bengal	93551.17	28.16
Onion	Gujarat	106419.50	186.36
	Karnataka	54370.20	36.20
	Maharashtra	143681.30	299.57
Potato	Assam	122554.20	105.54
	Bihar	75229.16	187.13
	Himachal Pradesh	86510.92	106.03
	Uttar Pradesh	93220.36	209.24
	West Bengal	131612.00	280.55

Source: Directorate of Economics & Statistics

* Cost of Cultivation represents A2+FL cost

Notes:

- i) Cost A2 includes all actual expenses in cash and kind incurred in production by Owner and rent paid for leased-in-land.
- ii) Family Labour (FL) is calculated on the basis of statutory wage rate or the actual market rate, whichever is higher.

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		
		2012-13	2013-14	2014-15
(1)	(2)	(3)	(4)	(5)
I. Foodgrains: Cereals				
1. Rice	Andhra Pradesh	87.86	89.11	91.73
	Assam	50.91	50.78	70.09
	Bihar	82.49	81.79	86.16
	Haryana	93.47	93.87	98.61
	Karnataka	84.15	87.48	94.40
	Kerala	86.15	93.52	84.70
	Madhya Pradesh	87.91	90.77	93.09
	Orissa	73.96	70.37	77.35
	Punjab	99.48	97.02	99.37
	Tamil Nadu	91.08	91.58	91.51
	Uttar Pradesh	83.11	85.37	78.43
	West Bengal	67.48	68.02	68.98
	All-India	81.51	82.00	84.35
2. Wheat	Bihar	81.30	80.47	82.26
	Gujarat	84.24	88.29	97.24
	Haryana	83.98	70.14	80.69
	Himachal Pradesh	58.30	52.61	48.54
	Madhya Pradesh	80.55	85.66	73.58
	Punjab	87.83	87.31	88.75
	Rajasthan	67.76	30.81	78.29
	Uttar Pradesh	70.15	69.64	54.73
	All-India	77.49	73.11	73.78
3. Maize	Andhra Pradesh	90.71	100.00	92.81
	Bihar	89.77	83.50	91.04
	Himachal Pradesh	55.85	52.38	54.60
	Karnataka	96.12	96.67	95.15
	Madhya Pradesh	92.58	90.26	91.52
	Rajasthan	50.00	52.05	67.48
	Uttar Pradesh	68.80	68.14	77.83
	All-India	84.32	86.98	88.06
4. Jowar	Andhra Pradesh	51.18	95.51	93.89
	Karnataka	58.52	73.97	86.17
	Madhya Pradesh	89.32	85.66	98.53
	Maharashtra	60.98	62.06	45.45
	Rajasthan	76.42	-	67.07
	All-India	64.14	70.62	66.64

contd...

Group of Crops	State	MSR		
		2012-13	2013-14	2014-15
(1)	(2)	(3)	(4)	(5)
5. Bajra	Gujarat	86.35	77.39	74.38
	Haryana	91.71	86.15	89.89
	Maharashtra	55.09	72.51	47.16
	Rajasthan	61.90	61.72	60.21
	Uttar Pradesh	83.79	77.68	80.02
	All-India	76.77	71.11	68.42
6. Barley	Rajasthan	85.00	87.53	87.50
	Uttar Pradesh	33.71	66.18	47.62
	All-India	67.39	80.63	77.67
7. Ragi	Andhra Pradesh	-	-	-
	Karnataka	29.53	44.11	48.92
	All-India	29.53	44.11	48.92
II. Pulses				
8. Arhar	Karnataka	96.34	97.81	97.40
	Madhya Pradesh	94.07	93.43	93.36
	Maharashtra	83.30	89.13	85.16
	Orissa	74.58	73.85	54.37
	Uttar Pradesh	67.24	53.54	84.82
	All-India	84.33	86.99	88.21
9. Gram	Bihar	68.06	77.97	80.42
	Madhya Pradesh	89.04	90.30	93.31
	Rajasthan	80.23	91.23	94.14
	Uttar Pradesh	61.91	80.59	67.42
	All-India	83.67	89.58	91.10
10. Urad	Andhra Pradesh	92.91	99.03	99.60
	Madhya Pradesh	98.05	93.09	91.60
	Maharashtra	-	56.02	84.99
	Orissa	70.55	70.06	86.64
	Rajasthan	78.55	48.00	-
	Tamil Nadu	89.34	96.86	98.09
	Uttar Pradesh	83.44	61.90	83.31
	All-India	89.65	80.71	92.25
11. Moong	Andhra Pradesh	93.54	100.00	100.00
	Maharashtra	85.26	87.50	100.00
	Orissa	73.88	79.34	75.55
	Rajasthan	83.57	94.27	89.81
	All-India	85.55	92.22	90.65
12. Lentil	Bihar	67.49	99.83	87.58
	Madhya Pradesh	96.00	95.48	98.63
	Uttar Pradesh	92.11	78.43	92.46
	All-India	88.75	90.23	94.38

contd...

Group of Crops	State	MSR		
		2012-13	2013-14	2014-15
(1)	(2)	(3)	(4)	(5)
III. Oilseeds				
13. Groundnut	Andhra Pradesh	94.40	88.71	96.92
	Gujarat	99.81	98.45	94.68
	Karnataka	84.81	93.95	96.34
	Maharashtra	75.71	71.14	33.81
	Tamil Nadu	97.14	97.60	97.99
	All-India	93.54	95.20	91.63
14. Rapeseed & Mustard	Gujarat	95.40	99.92	99.84
	Haryana	93.64	97.52	90.21
	Madhya Pradesh	97.49	98.31	97.39
	Rajasthan	94.60	95.50	94.02
	Uttar Pradesh	68.49	78.92	75.85
	West Bengal	71.26	92.56	77.18
	All-India	90.41	94.49	90.94
15. Soybean	Madhya Pradesh	95.32	90.91	97.60
	Maharashtra	-	100.00	-
	All-India	95.32	95.23	97.60
16. Sunflower	Andhra Pradesh	100.00	-	100.00
	Karnataka	98.76	99.29	100.00
	Maharashtra	100.00	-	-
	All-India	99.18	99.29	100.00
17. Sesamum	Gujarat	99.04	99.02	99.72
	Madhya Pradesh	96.77	96.52	96.64
	Orissa	-	-	-
	Rajasthan	80.06	82.86	89.32
	All-India	90.50	94.47	95.37
18. Safflower	Karnataka	-	-	100.00
	All-India	-	-	100.00
19. Nigerseed	Madhya Pradesh	-	-	97.78
	Odisha	97.67	-	-
	All-India	97.67	-	97.78
IV. Other Commercial Crops				
20. Sugarcane	Andhra Pradesh	99.91	-	-
	Haryana	100.00	64.00	-
	Karnataka	98.80	98.85	85.37
	Uttar Pradesh	85.71	-	-
	All-India	77.84	93.10	85.37

contd...

Group of Crops	State	MSR		
		2012-13	2013-14	2014-15
(1)	(2)	(3)	(4)	(5)
21. Cotton	Gujarat	99.68	95.79	98.71
	Haryana	99.05	98.96	98.36
	Karnataka	97.74	99.32	99.29
	Madhya Pradesh	99.96	100.00	100.00
	Rajasthan	99.01	100.00	97.90
	All-India	99.41	97.32	98.79
22. Jute	West Bengal	100.00	100.00	98.59
	All-India	100.00	100.00	98.59
V. Vegetables				
23. Onion	Karnataka	99.23	99.29	91.29
	All-India	99.23	99.29	91.29
24. Potato	Bihar	87.25	81.46	-
	Uttar Pradesh	95.93	99.19	95.19
	West Bengal	73.41	-	83.38
	All-India	86.17	93.74	89.54

Source : Directorate of Economics & Statistics, DAC&FW

Note:

1. All India figures are weighted average of only those States from where data is available.
2. All India Figures have been revised for Urad & Sesamum (2012-13), Jowar, Sunflower, Sesamum, Sugarcane & Potato (2013-14), Ragi, Urad, Soybean, Sunflower, Sesamum, Nigerseed, Sugarcane & Potato (2014-15),
- Not Reported

9

Procurement by Public Agencies

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

('000 Tonnes)								
State	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Rice (Oct-Sept)								
Punjab	8558	8106	7786	9350	11052	11833	11334	4442
Haryana	2609	2406	2015	2861	3583	3992	3941	3371
Uttar Pradesh	2286	1127	1698	2910	2354	2875	3233	31
Andhra Pradesh	6486	3737	3596	4336	3724	4000	4806	-
Telangana		4353	3504	1579	3596	3618	5186	-
Madhya Pradesh	898	1045	807	849	1314	1096	1395	-
Odisha	3615	2801	3357	3369	3630	3287	4383	-
Tamil Nadu	481	684	1051	1192	144	1011	1294	20
West Bengal	1766	1359	2032	1568	1923	1673	1979	-
Chhattisgarh	4804	4290	3423	3442	4022	3255	3971	-
Uttarakhand	497	463	465	598	706	38	462	-
Others	2044	1474	2306	2164	2058	1506	2347	11
All-India	34044	31845	32040	34218	38106	38184	44331	7875
Wheat (April-March)								
Punjab	12834	10897	11641	10344	10649	11706	12692	12912
Uttar Pradesh	5063	683	628	2267	797	3699	5294	3700
Haryana	8665	5873	6495	6778	6752	7432	8784	9320
Rajasthan	1964	1268	2159	1300	762	1245	1532	1411
Madhya Pradesh	8493	6355	7094	7309	3992	6725	7313	6725
Chhattisgarh		9						
Uttarakhand	139	5	1	4	2	2	110	42
Bihar	772	0		0	0	0	18	3
Chandigarh	17	0	5		7	8	14	12
Delhi	31			2	0			0
Gujarat	156	0		73	0	7	37	5
Himachal Pradesh	1			11	0		1	1
Jammu & Kashmir	9							
Maharashtra	2							
Jharkhand								
West Bengal	2	2						
All-India	38148	25092	28023	28088	22961	30824	35795	34131

Source : Department of Food and Public Distribution.

* Position as on 25.10.2019

9.1(b): State-wise Procurement of Nutri Grains in Major Producing States

												(⁰ 00 Tonnes)
State	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Andhra Pradesh	61.12	176.53	6.87	0.00	0.00	0.00	28.00	5.00	0.00	0.00	0.00	0.00
Telangana	0.00	0.00	0.00	0.00	0.00	0.00	289.00	6.00	0.00	0.00	0.00	0.00
Chhattisgarh	2.34	8.81	1.04	2.61	1.00	0.00	3.00	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	0.00	2.23
Haryana	123.64	310.48	77.00	73.65	17.00	0.00	0.00	0.00	5.00	6.00	31.35**	180.74@
Karnataka	13.95	712.38	315.56	39.94	1.00	0.00	729.00	143.00	211.00	0.00	0.00	0.00
Madhya Pradesh	0.75	59.91	0.29	8.91	17.00	7.97	87.00	303.00	28.00	238.00*	4.39***	4.23#
Maharashtra	1.76	107.02	6.07	2.70	Neg	63.85	96.00	7.00	17.00	16.00	50.46	17.95
Punjab	0.00	0.00	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	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bihar	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
Total	203.56	1375.13	406.83	127.83	36.00	71.83	1231.00	465.00	260.00	260.00	86.19	205.16

Source: Department of Food and Public Distribution.

* 50000 tonnes Maize has been approved as central pool on 30.12.2016

** 20000 tonnes of Bajra has been approved as central pool

***4385 tonnes of Nutri grains has not been approved

@115000 tonnes of Bajra has been approved as Central Pool

4234 tonnes of Nutri Grains has not been approved

9.2(a): Procurement of Pulses under Price Support Scheme (PSS)

S.No.	Commodity/ Year	Support Price ₹ Per Qtl for FAQ	Quantity Procured in Tonnes	Value ₹ Lakhs.	Major State(s) of Procurement
(1)	(2)	(3)	(4)	(5)	(6)
1.	Arhar				
	2016-17	5050	195993.68	98976.81	Gujarat, Karnataka and Maharashtra
	2017-18	5450	873758.62	476198.45	Andhra Pradesh, Gujarat, Karnataka, Maharashtra and Telangana
	2018-19	5675	291000.87	165142.99	Andhra Pradesh, Gujarat, Karnataka, Madhya Pradesh, Maharashtra, Tamil Nadu and Telangana
	2019-20*	5800	361.30	209.55	Telangana
2.	Urad				
	2016-17	-	-	-	-
	2017-18	5000 (Rabi) and 5400 (Kharif)	292413.90	157273.60	Andhra Pradesh, Gujarat, Karnataka, Madhya Pradesh, Maharashtra, Rajasthan, Telangana, Uttar Pradesh and West Bengal
	2018-19	5400 (Rabi) and 5700 (Kharif)	560980.85	312410.72	Andhra Pradesh, Gujarat, Karnataka, Madhya Pradesh, Maharashtra, Odisha, Rajasthan, Tamil Nadu, Telangana and Uttar Pradesh
	2019-20*	5600 (Rabi) and 5700 (Kharif)	18284.42	10239.71	Andhra Pradesh, Maharashtra, Odisha, Rajasthan, Tamil Nadu and Telangana
3.	Gram				
	2016-17	-	-	-	-
	2017-18	-	-	-	-
	2018-19	4400	2769430.16	1218549.27	Andhra Pradesh, Gujarat, Karnataka, Madhya Pradesh, Maharashtra, Rajasthan, Telangana and Uttar Pradesh
	2019-20*	4620	776406.21	358699.67	Andhra Pradesh, Gujarat, Haryana, Karnataka, Madhya Pradesh, Maharashtra, Rajasthan, Telangana and Uttar Pradesh
4.	Lentil				
	2016-17	-	-	-	-
	2017-18	-	-	-	-
	2018-19	4250	246943.85	104951.14	Madhya Pradesh and Uttar Pradesh
	2019-20*	4475	56237.87	25166.45	Madhya Pradesh and Uttar Pradesh
5.	Moong				
	2016-17	5225	9496.71	4962.03	Karnataka and Maharashtra
	2017-18	5225 (Rabi) and 5575 (Kharif)	407309.18	223140.66	Andhra Pradesh, Karnataka, Madhya Pradesh, Maharashtra, Odisha, Rajasthan and Telangana
	2018-19	5575 (Rabi) and 6975 (Kharif)	306960.29	213505.72	Andhra Pradesh, Gujarat, Haryana, Karnataka, Madhya Pradesh, Maharashtra, Odisha, Rajasthan, Tamil Nadu and Telangana
	2019-20*	6975 (Rabi) and 7050 (Kharif)	164911.59	116067.42	Andhra Pradesh, Gujarat, Haryana, Karnataka, Maharashtra, Odisha, Rajasthan, Tamil Nadu and Telangana

Source : Department of Agriculture, Cooperation & Farmers Welfare

* As on 07.01.2020

*FAQ: Fair and Average Quality

9.2(b): Procurement of Pulses (Domestic) under Price Stabilization Fund (PSF)

(Quantity in Metric Tonnes)

(Value in ₹ Crore)

S.No.	Commodity/ Year	FCI		NAFED		SFAC		Total		Major State(s) of Procurement
		Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1.	Arhar									
	2015-16	20256.52	174.88	19989.04	173.64	5259.12	46.40	45504.68	394.92	Madhya Pradesh, Maharashtra, Telangana, Karnataka, Gujarat, Andhra Pradesh and Rajasthan
	2016-17	175305.46	885.08	661431.14	3340.42	71145.15	359.29	907881.76	4584.79	Madhya Pradesh, Maharashtra, Telangana, Gujarat, Karnataka, Andhra Pradesh and Rajasthan
	2017-18	-	-	258076.04	1303.28	-	-	258076.04	1303.28	Madhya Pradesh, Maharashtra, Telangana, Gujarat and Karnataka
2.	Urad									
	2015-16	4.72	0.06	1763.90	17.47	3122.95	32.72	4891.57	50.25	Madhya Pradesh, Rajasthan, Maharashtra, Uttar Pradesh, Telangana, Gujarat, Karnataka and Andhra Pradesh
	2016-17	18233.91	116.29	59594.93	376.71	10531.13	64.32	88359.97	557.32	Madhya Pradesh, Maharashtra, Telangana, Gujarat, Uttar Pradesh, Rajasthan, Andhra Pradesh, Tamil Nadu and Karnataka
	2017-18	-	-	-	-	-	-	-	-	-
3.	Gram									
	2015-16	-	-	-	-	-	-	-	-	-
	2016-17	15191.22	92.58	20260.92	119.65	25220.54	149.91	60672.68	362.14	Madhya Pradesh, Maharashtra, Telangana, Uttar Pradesh, Rajasthan, Andhra Pradesh and Karnataka
	2017-18	-	-	60272.29	313.17	-	-	60272.29	313.17	Madhya Pradesh, Rajasthan, Haryana and Uttar Pradesh
4.	Lentil									
	2015-16	-	-	-	-	-	-	-	-	-
	2016-17	4335.54	25.06	2987.53	16.47	1241.19	7.08	8564.26	48.61	Madhya Pradesh, Rajasthan and Uttar Pradesh
	2017-18	-	-	27071.99	107.29	-	-	27071.99	107.29	Madhya Pradesh and Uttar Pradesh
5.	Moong									
	2015-16	-	-	-	-	-	-	-	-	-
	2016-17	64737.05	337.86	120594.23	630.10	24505.97	128.04	209837.26	1096.01	Rajasthan, Madhya Pradesh, Telangana, Karnataka, Maharashtra, Haryana and Andhra Pradesh
	2017-18	-	-	-	-	-	-	-	-	-
	2018-19*	-	-	-	-	-	-	-	-	-
	2018-19*	-	-	-	-	-	-	-	-	-

Source: Department of Consumer Affairs

*No procurement has been undertaken since kharif marketing season 2017-18 under PSF and requirement towards re-building suitable buffer under PSF would be met from transfer of pulses from PSS stock to PSF buffer. Around 15.64 lakh MTs pulses procured under PSS have been transferred to PSF.

FCI: Food Corporation of India, NAFED: National Agricultural Cooperative Marketing Federation of India Ltd., SFAC: Small Farmers' Agri-Business Consortium

9.3: Procurement of Oilseeds by NAFED under Price Support Scheme (PSS)

(As on 19-12-2019)

S.No.	Commodity	Support Price	Quantity	Value	Major State(s) of Procurement
	Year	₹ Per Qtl for FAQ	Procured in MTs.	₹ Lakhs.	
(1)	(2)	(3)	(4)	(5)	(6)
1.	Soybean				
	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	2775**	162.19	45.00	Maharashtra
	2017-18	3050^	72280.74	22045.63	Telangana, Rajasthan, Maharashtra
	2018-19	3399	19483.02	6622.27	Telangana, Rajasthan, Maharashtra, Karnataka
	2019-20	3710	492.10	182.57	Telangana
2.	Groundnut				
	2011-12	2700	NIL	NIL	
	2012-13	3700	NIL	NIL	
	2013-14*	3700	830.06	332.02	Odisha
	2013-14	4000	340325.35	136130.13	Maharashtra, Gujarat, Rajasthan, U.P, A.P, Karnataka
	2014-15	4000	6229.81	2491.92	Odisha
	2015-16	4030	NIL	NIL	
	2016-17	4220**	210731.16	88928.55	Gujarat
	2017-18	4450^	1046987.00	465887.62	Odisha, A.P., Karnataka, Rajasthan, Gujarat, Telangana, Maharashtra
	2018-19	4890	719812.92	351881.65	Telangana, Odisha, Madhya Pradesh, Gujarat, Rajasthan, Uttar Pradesh
	2019-20	5090	130.76	63.94	Odisha
3.	Safflower Seed				
	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	3700**	NIL	NIL	
	2017-18	4100**	NIL	NIL	
	2018-19	4945	NIL	NIL	
	2019-20	5215	NIL	NIL	
4.	Mustard Seed				
	2011-12	2500	NIL	NIL	
	2012-13	3000	NIL	NIL	
	2013-14	3050	NIL	NIL	
	2014-15	3100	1714.82	523.02	Rajasthan
	2015-16	3350	NIL	NIL	
	2016-17	3700**	NIL	NIL	
	2017-18	4000**	48835.50	18430.36	Haryana, Rajasthan
	2018-19	4200	873536.40	349558.01	Haryana, Rajasthan, Madhya Pradesh, Uttar Pradesh, Gujarat, West Bengal
	2019-20	4425	1081772.96	454344.64	Haryana, Rajasthan, Madhya Pradesh, Uttar Pradesh, Gujarat
5.	Sunflower Seed				
	2011-12	2800	NIL	NIL	
	2012-13	3700	1499.10	554.67	Karnataka
	2013-14	3700	4382.71	2272.58	Odisha, Karnataka, Andhra Pradesh
	2014-15	3750	4153.21	1536.69	Odisha, Haryana
	2015-16	3800	4241.89	1590.71	Odisha, Haryana
	2016-17	3950**	4949.31	1880.72	Odisha, Haryana
	2017-18	4100**	43334.00	16197.04	Telangana, Haryana, Odisha
	2018-19	5388	3493.33	1528.87	Odisha, Haryana, Telangana
	2019-20	5650	2586.33	1393.51	Odisha, Haryana

(contd..)

(As on 19-12-2019)

S.No.	Commodity	Support Price	Quantity	Value	Major State(s) of Procurement
	Year	₹ Per Qtl for FAQ	procured in MTs.	₹ Lakhs.	
(1)	(2)	(3)	(4)	(5)	(6)
6	Copra				
	2011-12	4525(Milling)	343.00	182.76	A&N Islands
		4775(Ball)	NIL	NIL	
	2012-13	5100(Milling)	66454.15	33891.61	Tamil Nadu, Lakshadweep, Kerala, A.P,
		5350 (Ball)	9229.84	4937.96	Karnataka and Kerala
		4335 (Spl.)	49.45	21.44	Andhra Pradesh
	2013-14	5250(Milling)	4328.71	2272.58	Tamil Nadu, A&N, Kerala, Andhra
		5500(Ball)	29535.28	16244.40	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)	4488.94	2670.92	Tamil Nadu, Andhra Pradesh,
		6240(Ball)	1836.86	1146.20	Karnataka, Tamil Nadu
	2017-18	6500(Milling)	NIL	NIL	
		6785(Ball)	NIL	NIL	
	2018-19	7511(Milling)	NIL	NIL	
		7750(Ball)	NIL	NIL	
	2019-20##	9521(Milling)	307.26	292.54	Tamil Nadu
		9920(Ball)	0.175	0.17	Tamil Nadu
7	Sesamum				
	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	5000^	NIL	NIL	
	2017-18	5300**	3739.77	1869.89	West Bengal
	2018-19	6249	NIL	NIL	
	2019-20	6485	NIL	NIL	

Source : National Agricultural Cooperative Marketing Federation of India Ltd (NAFED) and Directorate of Economics & Statistics, DAC&FW

* Purchased at MSP (₹ 3700/qtl.) of 2012-13 for the year 2013-14

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

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

Procurement upto 19.12.2019

FAQ: Fair Average Quality, NA: Not Available

9.4: State-wise Cotton Purchases by Cotton Corporation of India (CCI)

(Quantity in Thousand bales of 170 Kgs.each)

States	2014-15			2015-16			2016-17			2017-18			2018-19			2019-20		
	MSP	Commercial	Total	MSP	Commercial	Total	MSP	Commercial	Total	MSP	Commercial	Total	MSP	Commercial	Total	MSP	Commercial	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
Punjab	127.72	0.00	127.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.10	12.10	0.00	0.30	0.30	141.72	2.10	143.82
Haryana	79.90	0.00	79.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.80	20.80	0.00	0.10	0.10	147.48	0.40	147.88
Rajasthan	87.87	0.00	87.87	0.00	0.00	0.00	0.00	0.90	0.90	0.00	45.40	45.40	0.00	0.10	0.10	120.88	1.10	121.98
Gujarat	666.50	0.00	666.50	51.50	0.00	51.50	0.00	8.23	8.23	95.11	75.65	170.76	7.98	0.00	7.98	174.43	0.00	174.43
Maharashtra	1763.19	0.00	1763.19	116.80	0.00	116.80	0.00	56.99	56.99	14.65	100.79	115.44	195.75	3.10	198.85	463.26	0.90	464.16
Madhya Pradesh	281.88	0.00	281.88	29.10	0.00	29.10	0.00	0.52	0.52	7.80	11.10	18.90	50.92	0.00	50.92	75.88	0.80	76.68
Andhra Pradesh	1755.56	0.00	1755.56	39.97	0.00	39.97	0.00	4.81	4.81	6.50	66.54	73.04	47.18	0.00	47.18	70.65	0.00	70.65
Karnataka	139.28	0.00	139.28	0.00	0.00	0.00	0.00	15.90	15.90	0.29	80.50	80.79	8.12	5.90	14.02	85.61	0.10	85.71
West Bengal	0.27	0.00	0.27	0.36	0.00	0.36	0.46	0.00	0.46	0.35	0.00	0.35	0.19	0.00	0.19	0.00	0.00	0.00
Odisha	102.99	0.00	102.99	11.63	0.00	11.63	0.00	3.54	3.54	1.99	23.61	25.60	25.45	0.00	25.45	39.63	0.00	39.63
Telangana	3690.95	0.00	3690.95	595.16	0.00	595.16	0.00	34.27	34.27	263.49	244.12	507.61	777.03	0.00	777.03	1697.03	0.00	1697.03
Total	8695.79	0.00	8695.79	844.52	0.00	844.52	0.00	125.16	125.16	390.18	680.61	1070.79	1112.62	9.50	1122.12	3016.57	5.40	3021.97

Source : Cotton Corporation of India Ltd., Ministry of Textiles

9.5 State-wise Procurement of Raw Jute

(Quantity in Lakh bales of 180 Kgs.)

State	<u>2012-13</u>				<u>2013-14</u>				<u>2014-15</u>				<u>2015-16</u>			
	MSP	Cooperative	Commercial	Total	MSP	Cooperative	Commercial	Total	MSP	Cooperative	Commercial	Total	MSP	Cooperative	Commercial	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
West Bengal	2.117	0.253	0.335	2.705	0.492	0.012	0.393	0.897	0.134	0.012	0.262	0.408	0.000	0.000	0.016	0.016
Bihar	0.328	0.000	0.075	0.403	0.197	0.000	0.128	0.325	0.002	0.000	0.122	0.124	0.000	0.000	0.000	0.000
Assam	0.405	0.000	0.032	0.437	0.658	0.000	0.000	0.658	0.004	0.000	0.027	0.031	0.000	0.000	0.033	0.033
Meghalaya	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Odisha	0.030	0.000	0.000	0.030	0.011	0.000	0.000	0.011	0.002	0.000	0.000	0.002	0.000	0.000	0.000	0.000
Andhra Pradesh	0.059	0.000	0.000	0.059	0.011	0.000	0.000	0.011	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Tripura	0.004	0.000	0.000	0.004	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total	2.943	0.253	0.442	3.638	1.369	0.012	0.521	1.902	0.142	0.012	0.411	0.565	0.000	0.000	0.049	0.049

State	<u>2016-17</u>				<u>2017-18</u>				<u>2018-19</u>			
	MSP	Cooperative	Commercial	Total	MSP	Cooperative	Commercial	Total	MSP	Cooperative	Commercial	Total
(1)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)
West Bengal	0.261	0.000	0.709	0.970	1.622	0.372	0.000	1.994	0.667	0.030	0.000	0.697
Bihar	0.066	0.000	0.160	0.226	0.382	0.000	0.000	0.382	0.023	0.000	0.000	0.023
Assam	0.009	0.000	0.815	0.824	0.964	0.000	0.000	0.964	0.003	0.000	0.000	0.003
Meghalaya	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Odisha	0.000	0.000	0.002	0.002	0.050	0.000	0.000	0.050	0.004	0.000	0.000	0.004
Andhra Pradesh	0.207	0.025	0.000	0.232	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Tripura	0.007	0.000	0.000	0.007	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total	0.550	0.025	1.686	2.261	3.018	0.372	0.000	3.390	0.697	0.030	0.000	0.727

Source: Jute Corporation of India Ltd, Ministry of Textiles

10

**Per Capita Availability & Consumer
Expenditure**

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

Year	Rice	Wheat	Other Cereals	Cereals	Pulses	(Kilograms per year)
						Food Grains
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1951	58.0	24.0	40.0	122.0	22.1	144.1
1956	68.7	22.5	40.7	131.9	25.7	157.6
1961	73.4	28.9	43.6	145.9	25.2	171.1
1966	59.1	34.8	37.5	131.4	17.6	149.0
1971	70.3	37.8	44.3	152.4	18.7	171.1
1976	68.5	29.1	39.2	136.8	18.5	155.3
1981	72.2	47.3	32.8	152.3	13.7	166.0
1985	68.9	50.6	32.1	151.6	13.9	165.5
1990	77.4	48.4	31.7	157.5	15.0	172.5
1991	80.9	60.0	29.2	171.0	15.2	186.2
1992	79.2	57.9	21.5	158.6	12.5	171.1
1993	73.4	51.2	31.6	156.2	13.2	169.4
1994	75.7	58.2	24.5	158.4	13.6	172.0
1995	80.3	63.0	23.7	167.0	13.8	180.8
1996	74.6	64.3	22.6	161.5	12.0	173.5
1997	78.1	65.4	26.6	170.1	13.5	183.6
1998	73.1	55.3	22.8	151.2	12.0	163.2
1999	74.2	59.2	23.1	156.7	13.3	170.0
2000	74.3	58.4	21.5	154.3	11.6	165.9
2001	69.5	49.6	20.5	141.0	10.9	151.9
2002	83.5	60.8	23.1	167.4	12.9	180.4
2003	66.2	65.8	17.1	149.1	10.6	159.7
2004	71.3	59.2	25.3	155.8	13.1	168.9
2005	64.7	56.3	21.7	142.7	11.5	154.2
2006	72.3	56.3	22.1	150.7	11.8	162.5
2007	70.8	57.6	20.3	148.7	12.9	161.6
2008	64.0	53.0	19.7	143.9	15.3	159.2
2009	68.8	56.5	23.3	148.6	13.5	162.1
2010	66.4	61.4	18.8	146.6	12.9	159.5
2011	66.3	59.7	23.9	149.9	15.7	170.9
2012	69.4	57.8	21.9	149.1	15.2	169.3
2013	72.1	66.8	19.2	158.1	15.8	179.5
2014	72.3	66.8	22.6	161.6	16.9	178.6
2015	67.9	61.3	28.4	153.8	16.0	169.8
2016	67.2	72.9	26.1	162.0	15.7	177.7
2017	66.8	66.7	29.4	158.4	20.0	178.4
2018	69.2	61.5	30.6	161.3	18.7	180.1
2019(P)	69.1	65.2	27.8	162.1	17.5	179.6

Source : Directorate of Economics and Statistics, DAC&FW

P- Provisional figures are based on 4th Advance Estimates of Production for 2018-19, Net imports during Apr 2018- Mar 2019 and Stock position as on 01-04-2019

Notes:-

i) Net availability of foodgrains is estimated as: Gross Production (-) seed, feed & wastage (-) exports (+) imports (+/-) change in stocks.

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

iii) Estimates 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.

iv) Foodgrains include rice, wheat, other cereals and all pulses

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

(Grams per day)

Year	Rice	Wheat	Other Cereals	Cereals	Pulses	Food Grains
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1951	158.9	65.7	109.6	334.2	60.7	394.9
1956	187.7	61.5	111.2	360.4	70.3	430.7
1961	201.1	79.1	119.5	399.7	69.0	468.7
1966	161.9	95.4	102.6	359.9	48.2	408.1
1971	192.6	103.6	121.4	417.6	51.2	468.8
1976	187.2	79.5	107.4	373.8	50.5	424.3
1981	197.8	129.6	89.9	417.3	37.5	454.8
1985	188.8	138.6	87.9	415.3	38.1	453.4
1990	212.1	132.6	86.8	431.5	41.1	472.6
1991	221.7	166.8	80.0	468.5	41.6	510.1
1992	217.0	158.6	58.9	434.5	34.3	468.8
1993	201.1	140.2	86.6	427.9	36.2	464.1
1994	207.4	159.5	67.1	434.0	37.2	471.2
1995	220.0	172.7	64.9	457.6	37.8	495.5
1996	204.4	176.0	62.0	442.5	32.7	475.2
1997	214.0	179.1	72.9	466.0	37.1	503.1
1998	200.3	151.5	62.4	414.2	32.8	447.0
1999	203.4	162.3	63.4	429.2	36.5	465.7
2000	203.7	160.0	59.0	422.7	31.8	454.4
2001	190.5	135.8	56.2	386.2	30.0	416.2
2002	228.7	166.6	63.4	458.7	35.4	494.1
2003	181.4	180.4	46.7	408.5	29.1	437.6
2004	195.4	162.2	69.3	426.9	35.8	462.7
2005	177.3	154.3	59.4	390.9	31.5	422.4
2006	198.0	154.3	60.5	412.8	32.5	445.3
2007	194.0	157.8	55.5	407.4	35.5	442.8
2008	175.4	145.1	54.1	394.2	41.8	436.0
2009	188.4	154.7	63.9	407.0	37.0	444.0
2010	182.0	168.2	51.4	401.7	35.4	437.1
2011	181.5	163.5	65.6	410.6	43.0	468.2
2012	190.2	158.4	60.0	408.6	41.7	463.8
2013	197.4	183.1	52.7	433.2	43.3	491.9
2014	198.0	183.0	61.8	442.9	46.4	489.3
2015	186.0	168.0	77.7	421.4	43.8	465.1
2016	184.2	199.7	71.6	443.7	43.0	486.8
2017	183.0	182.7	80.6	434.0	54.7	488.7
2018	189.7	168.5	83.8	442.0	51.3	493.3
2019(P)	189.3	178.6	76.2	444.0	47.9	491.9

Source : Directorate of Economics and Statistics, DAC&FW

P- Provisional figures are based on 4th Advance Estimates of Production for 2018-19, Net imports during Apr 2018- Mar 2019 and Stock position as on 01-04-2019

Notes:-

i) Net availability of foodgrains is estimated as: Gross Production (-) seed, feed & wastage (-) exports (+) imports (+/-) change in stocks.

ii) 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 is further divided by the number of days in a year, i.e., 365 days to arrive at net availability of foodgrains in terms of grams/day.

iii) Estimates 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

iv) Foodgrains include rice, wheat, other cereals and all pulses

10.3: Per Capita Availability of Certain Important Articles of Consumption

Year	Edible	Vanaspati ^b	Sugar ^c	Cloth ^d (metres)			Tea	Coffee ^f
	Oil ^a (kg.)	(kg.)	(Nov-Oct) (kg.)	Cotton ^e	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
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	18.3	0.8	20.3	23.6	17.0	40.6	752	100.0
2015-16	17.7	0.8	19.4	24.6	15.9	40.5	758	100.0
2016-17	18.2	0.7	18.9	NA	NA	NA	NA	NA
2017-18	19.5	0.7	19.5	NA	NA	NA	NA	NA
2018-19	18.1	0.6(P)	19.5(P)	NA	NA	NA	NA	NA

Source : Economic Survey 2019-20, Ministry of Finance

(P) Provisional

NA: Not Available

a: Includes Groundnut Oil, Rapeseed and Mustard Oil, Sesamum Oil, Nigerseed Oil, Soybean Oil and Sunflower Oil but excludes oil for manufacture of Vanaspati.

b: Relates to calendar year.

c: Relates to actual releases for domestic consumption. Sugar season/year commencing from November to October of following year as opposed to financial year.

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

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	1993-94	1999-00*	2004-05	2009-10	2011-12
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Cereal	24.2	22.2	18.0	15.6	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	0.1	0.1	0.1	0.1
Cereal substitutes	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	3.0	2.8	2.1	2.7	2.1
Milk & products	9.5	8.8	8.5	8.6	9.1	9.8	8.7	7.9	7.8	7.8
Edible oil	4.4	3.7	4.6	3.7	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	3.4	3.1	2.7	2.7	2.8
Vegetables	6.0	6.2	6.1	6.2	4.8	5.5	5.1	4.5	4.3	3.4
Fruits & nuts	1.7	1.7	1.9	1.6	1.9	2.7	2.4	2.2	2.1	2.3
Sugar	3.1	2.4	2.4	2.4	1.8	2.4	1.6	1.5	1.5	1.2
Salt & spices	2.7	3.0	2.5	2.4	2.4	2.0	2.2	1.7	1.5	1.7
Beverages, etc.	4.2	4.2	4.5	5.6	5.8	7.2	6.4	6.2	6.3	7.1
Food total	63.2	59.4	55.0	53.6	48.6	54.7	48.1	42.5	40.7	38.5
Pan, tobacco, intox.	3.2	2.9	2.7	2.2	2.4	2.3	1.9	1.6	1.2	1.4
Fuel & light	7.4	7.5	10.2	9.5	9.2	6.6	7.8	9.9	8.0	7.6
Clothing & bedding	5.4	6.9	4.5	4.9	6.3	4.7	6.1	4.0	4.7	5.3
Footwear	0.9	1.1	0.8	1.0	1.3	0.9	1.2	0.7	0.9	1.2
Misc. & services	17.3	19.6	23.4	24.0	26.1	27.5	31.3	37.2	37.8	39.7
Durable goods	2.7	2.6	3.4	4.8	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	45.3	51.9	57.5	59.3	61.5
Total expenditure	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Source : National Statistical Office (NSO)

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

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
	2009-10	0.11	0.16	1.31	1.92
	2011-12	0.16	0.20	1.95	2.43

contd...

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)
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 Statistical Office (50, 55, 61, 66 & 68th Round)

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

11

**Stock, Consumption and Storage
Capacity**

11.1(a) : Stock of Foodgrains 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
2017	13.47	13.75	0.14	27.36
2018	16.21	19.56	0.16	35.93
2019	18.29	27.12	0.20	45.61

Source : Department of Food & Public Distribution.

**11.1(b) : Existing Foodgrain Buffer Stock Norms for the Central Pool
(applicable since 22.01.2015)**

(Million Tonnes)

Date/Month	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.

Note: The above norms include a Food Security Reserve of 3 million tonnes of wheat from 01.07.2008 and 2 million tonnes of rice from 01.01.2009

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
2016-17	80.00	22.00
2017-18	79.00	22.40
2018-19	79.00	18.40
2019-20*	79.00	22.40

Source: Jute Corporation of India, Kolkata

* Estimated

11.3(a): State-wise Storage Capacity

(In Lakh Metric Tonnes)							
S.No	State/UTs	March, 2014	March, 2015	March, 2016	March, 2017	March, 2018	March, 2019
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	Bihar	11.50	10.49	15.10	15.56	25.81	22.10
2	Odisha	14.09	13.57	11.63	13.57	12.10	13.15
3	West Bengal	19.64	14.68	16.72	18.64	18.67	19.44
4	Sikkim	0.11	0.00	0.00	0.00	0.00	0.00
5	Jharkhand	2.11	2.95	2.53	2.91	3.68	5.51
	Total East Zone	47.46	41.69	45.98	50.68	60.26	60.20
6	Assam	6.25	5.76	6.29	3.98	4.68	3.98
7	Arunachal Pradesh	0.23	0.28	0.23	0.41	0.27	0.30
8	Tripura	0.83	0.37	0.83	0.43	0.44	0.99
9	Manipur	0.31	0.32	0.32	0.32	0.32	0.49
10	Nagaland	0.46	0.33	0.45	0.44	0.48	0.49
11	Mizoram	0.26	0.25	0.67	0.25	0.93	0.67
12	Meghalaya	0.42	0.28	0.23	0.23	0.22	0.22
	Total North East Zone	8.77	7.59	9.02	6.06	7.34	7.14
13	Delhi	5.14	3.67	3.67	3.67	3.67	3.67
14	Haryana	64.78	107.77	116.11	101.73	99.17	112.20
15	Himachal Pradesh	0.45	0.51	0.49	0.35	0.51	0.53
16	Jammu & Kashmir	1.75	2.10	2.49	2.59	2.79	2.46
17	Punjab	182.66	240.00	252.56	250.13	201.43	234.30
18	Chandigarh	4.09	0.00	0.00	0.00	0.00	0.00
19	Rajasthan	39.88	25.49	23.24	21.42	19.90	27.83
20	Uttar Pradesh	91.59	57.53	64.43	58.28	58.72	62.38
21	Uttarakhand	2.84	3.67	3.80	0.21	3.93	2.94
	Total North Zone	393.18	440.74	466.79	441.93	390.12	446.31
22	Andhra Pradesh	68.47	27.31	24.02	28.71	26.80	25.48
23	Telangana	-	19.79	20.88	17.52	27.37	33.42
24	Kerala	9.00	5.89	5.89	5.55	7.17	7.62
25	Karnataka	25.02	29.24	29.62	13.87	11.56	12.49
26	Tamil Nadu	24.41	17.58	16.99	26.97	43.17	31.31
27	Puducherry	0.84	0.00	0.00	0.00	0.00	0.00
28	A&N Islands	0.10	0.00	0.00	0.00	0.00	0.00
29	Lakshadweep	0.00	0.00	0.00	0.00	0.00	0.00
	Total South Zone	127.84	99.81	97.40	92.62	116.07	110.32
30	Gujarat	18.33	9.86	9.26	8.82	9.28	10.71
31	Maharashtra	53.43	31.79	31.55	31.98	34.19	38.30
32	Goa	0.50	0.20	0.20	-	0.00	0.00
33	Madhya Pradesh	68.63	59.17	129.66	124.29	210.73	157.80
34	Chhattisgarh	23.70	23.58	24.98	19.00	15.04	24.90
35	Daman & Diu	0.00	0.00	0.00	0.00	0.00	0.00
36	D&N Haveli	0.00	0.00	0.00	0.00	0.00	0.00
	Total West Zone	164.58	124.60	195.65	184.09	269.24	231.71
	Grand Total	741.83	714.43	814.84	775.38	843.03	855.68

Source : Department of Food & Public Distribution.

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

11.3 (b): State-wise Cold Storage Capacity (as on 31.3.2019)

S.No.	State/UTs	No. of Projects	Capacity (Metric Tonnes)
(1)	(2)	(3)	(4)
1	Andaman & Nicobar Islands (UT)	3	810
2	Andhra Pradesh & Telangana	458	1867238
3	Arunachal Pradesh	2	6000
4	Assam	38	168096
5	Bihar	309	1437767
6	Chandigarh (UT)	7	12462
7	Chhattisgarh	99	487262
8	Delhi	97	129857
9	Goa	29	7705
10	Gujarat	956	3790311
11	Haryana	356	819625
12	Himachal Pradesh	71	135221
13	Jammu & Kashmir	56	188115
14	Jharkhand	58	236680
15	Karnataka	212	615053
16	Kerala	199	81705
17	Lakshadweep (UT)	1	15
18	Madhya Pradesh	302	1287079
19	Maharashtra	604	985142
20	Manipur	3	7100
21	Meghalaya	4	8200
22	Mizoram	3	3971
23	Nagaland	4	7350
24	Odisha	177	566321
25	Puducherry (UT)	3	85
26	Punjab	688	2282626
27	Rajasthan	176	596014
28	Sikkim	2	2100
29	Tamil Nadu	174	350518
30	Tripura	14	46354
31	Uttar Pradesh	2376	14545618
32	Uttarakhand	47	162821
33	West Bengal	510	5935416
	Total	8038	36770637

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

11.3 (c): State-wise Storage Capacity sanctioned under Agricultural Marketing Infrastructure (AMI) Scheme

S.No	Name of State/UT	Upto March, 2017		Upto March, 2018		Upto March, 2019	
		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)
1	Andhra Pradesh	1296	5156248	1326	5320998	1338	5408801
2	Arunachal Pradesh	1	945	1	945	1	945
3	Assam	266	739357	325	1072857	325	987169
4	Bihar	990	487187	990	487187	1000	503742
5	Chhattisgarh	642	2227239	594	1943545	594	1943545
6	Goa	1	299	1	299	1	299
7	Gujarat	11326	4289737	11663	4472390	11663	4472390
8	Haryana	2133	7995342	2012	6503872	2017	6557370
9	Himachal Pradesh	78	24798	87	27486	87	27486
10	Jammu & Kashmir	14	83027	14	83027	14	83027
11	Jharkhand	24	119316	26	142316	26	157316
12	Karnataka	4453	3750386	4560	3899528	4508	3787601
13	Kerala	205	89907	206	90511	206	90511
14	Madhya Pradesh	3758	10250369	3832	10584301	3828	10625861
15	Maharashtra	3469	6328513	3581	6670711	3581	6670711
16	Meghalaya	16	21012	16	21012	16	21012
17	Mizoram	1	302	1	302	1	302
18	Nagaland	1	814	1	814	1	814
19	Odisha	419	781575	691	1009180	691	1009180
20	Punjab	1742	6723746	1745	6741842	1745	6741842
21	Rajasthan	1424	2572908	1454	2676499	1471	2720753
22	Tamil Nadu	1105	1332345	1122	1313524	1127	1407402
22	Uttar Pradesh	1108	5193210	1119	5322569	1119	5322569
23	Uttarakhand	278	752793	286	762389	287	772269
24	West Bengal	2548	1570777	2552	1581523	2552	1581523
25	Tripura	4	25756	5	28764	5	28764
26	Telangana	690	4144820	726	4485910	760	4625223
27	UTs	0	0	0	0	0	0
Total		37992	64662728	38936	65244301	38964	65548427

Source : Directorate of Marketing & Inspection, DAC&FW

Note: Agricultural Marketing Infrastructure (AMI) is a Sub-Scheme of Integrated Scheme on Agricultural Marketing (ISAM) {erstwhile Grameen Bhandaran Yojana}. Figures indicate projects sanctioned/storage capacity since inception of the Scheme.

12

Imports, Exports and Inflation Rates

12.1: India's Imports and Exports of Principal Agricultural Commodities

(Value in ₹ Crore)

Year	Agricultural Imports	Total National Imports	% of Agricultural Imports to Total National Imports	Agricultural Exports	Total National Exports	% of Agricultural Exports to Total National Exports
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1990-91	1205.86	43198.00	2.79	6012.76	32553.00	18.47
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	230872.75	5.24	28657.37	203571.00	14.08
2001-02	16256.61	245199.71	6.63	29728.61	209017.96	14.22
2002-03	17608.83	297205.86	5.92	34653.94	255137.26	13.58
2003-04	21972.68	359107.61	6.12	36415.48	293366.74	12.41
2004-05	22811.84	481371.53	4.74	41602.65	375339.51	11.08
2005-06	15977.75	574190.89	2.78	45710.97	456417.85	10.02
2006-07	23000.28	840506.30	2.74	57767.87	571779.27	10.10
2007-08	22549.81	1012311.69	2.23	74673.48	655863.51	11.39
2008-09	28719.24	1374435.37	2.09	81064.52	840755.05	9.64
2009-10	54365.29	1363735.54	3.99	84443.95	845533.63	9.99
2010-11	51073.97	1683466.96	3.03	113046.58	1136964.25	9.94
2011-12	70164.51	2345463.23	2.99	182801.00	1465959.39	12.47
2012-13	95718.89	2669161.95	3.59	227192.61	1634318.28	13.90
2013-14	85727.30	2715420.78	3.16	262778.54	1905011.08	13.79
2014-15	121319.02	2736676.99	4.43	239681.04	1896348.42	12.64
2015-16	140289.22	2490303.76	5.63	215396.32	1716384.39	12.55
2016-17	164726.83	2577671.14	6.39	226651.91	1849433.54	12.26
2017-18	152095.20	3001028.71	5.07	251563.94	1956514.52	12.86
2018-19 (P)	137019.46	3594674.22	3.81	274571.28	2307726.18	11.90

Source :- Directorate General of Commercial Intelligence & Statistics, Department of Commerce
(P) - Provisional

12.2 : India's Imports of Principal Agricultural Commodities

 (Quantity: '000 tonnes)
 (Value in ₹ Crore)

Commodity	2009-10		2010-11		2011-12		2012-13		2013-14	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Tea	34.46	276.52	20.82	202.00	22.43	218.91	22.30	274.52	22.74	291.68
Coffee	40.88	297.34	41.63	295.00	46.06	469.52	71.20	795.72	59.94	729.02
Rice- Basmati	0.00	0.00	0.00	0.00	0.46	2.47	0.00	0.00	0.00	0.00
Rice (other than Basmati)	0.07	0.37	0.19	0.92	0.60	3.00	0.72	3.96	1.44	8.29
Wheat	164.38	231.90	185.28	255.84	0.02	0.08	2.94	6.03	11.27	26.92
Other cereals	33.69	76.33	30.68	59.53	15.36	30.04	45.58	111.01	22.32	98.03
Pulses	3749.99	10629.16	2777.83	7512.49	3495.84	9448.35	4013.24	13344.63	3177.89	11036.75
Tobacco unmanufactured	1.07	37.76	1.32	44.61	2.02	68.57	2.17	91.94	1.55	79.52
Tobacco manufactured	-	78.73	-	80.36	-	113.01	-	155.01	-	168.87
Spices	161.78	1476.04	124.49	1595.91	146.77	2284.85	175.56	2715.76	155.58	3451.69
Cashew	755.96	3047.50	529.73	2649.07	811.90	5381.43	898.52	5433.91	776.33	4667.80
Cashew nut shell liquid	0.00	0.00	0.04	0.07	0.20	0.32	0.14	0.33	0.38	2.08
Sesame seeds	9.23	53.26	8.73	37.66	0.61	3.93	38.05	296.03	72.93	808.64
Niger seeds	3.50	13.33	0.23	0.79	0.12	0.39	0.00	0.00	0.70	3.73
Groundnut	0.39	1.70	0.00	0.00	0.10	0.47	0.04	0.29	0.11	0.36
Other oil seeds	56.94	118.18	44.95	74.76	41.22	88.77	44.26	109.74	54.70	166.79
Vegetable oils	6734.45	22316.68	6039.02	25919.59	7081.98	38909.02	9606.24	53561.61	7942.90	44038.04
Oil meals	127.73	104.69	79.22	75.03	86.13	98.72	148.30	210.38	126.94	199.87
Guar Gum meal	0.07	2.41	0.09	2.66	0.30	9.90	0.57	33.61	0.38	21.85
Castor oil	0.06	0.44	0.01	0.91	0.06	1.29	0.14	2.23	0.07	2.04
Shellac	3.55	34.10	3.29	50.55	0.54	22.15	2.78	172.61	0.68	45.80
Sugar	2551.42	5965.80	1034.58	2789.54	99.71	313.83	1122.25	3094.38	880.96	2286.86
Molasses	45.54	32.29	7.29	6.15	12.40	4.35	14.68	7.50	15.07	8.93
Fruits / vegetable seeds	12.67	284.42	11.14	291.22	13.18	380.15	16.05	471.10	8.29	449.48
Fresh fruits	562.19	2843.47	630.23	3586.51	723.27	4610.84	802.14	6180.47	769.14	7715.96
Fresh vegetables	5.40	8.14	16.61	40.60	5.04	7.31	7.03	11.24	25.98	41.67
Processed vegetables	-	77.90	-	117.48	-	120.19	-	149.01	-	173.94
Processed fruits and juices	-	191.12	-	251.54	-	314.93	-	432.02	-	410.83
Cereal preparations	39.11	188.92	37.73	243.43	45.82	316.39	50.42	359.98	53.47	419.34
Cocoa products	25.23	376.08	33.80	584.21	5.08	934.32	53.33	1049.25	51.63	1071.55
Milled products	2.49	9.76	3.74	10.96	2.88	11.88	4.52	23.75	3.98	22.01
Misc processed items	-	552.34	-	664.01	-	915.19	-	1268.33	-	1474.47
Animal casings	0.00	0.00	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	0.00	0.00
Sheep/goat meat	0.04	1.22	0.03	0.80	0.01	0.21	0.02	1.52	0.06	5.13
Other meat	0.33	6.67	0.35	7.01	0.54	12.48	0.43	15.71	0.36	15.80
Processed meat	1.41	9.79	0.78	7.56	0.96	9.74	0.57	9.02	0.39	7.64
Dairy products	-	333.64	-	847.83	-	1219.41	-	184.25	-	232.68
Poultry products	-	26.72	-	14.46	-	19.72	-	18.29	-	23.39
Floriculture products	-	45.88	-	45.48	-	68.64	-	85.67	-	112.19
Alcoholic beverages	-	1244.26	-	1029.13	-	1309.77	-	1416.77	-	2076.18
Marine products	27.35	303.09	28.35	429.04	34.22	569.53	28.10	452.70	31.22	411.01
Ayush and herbal products	17.73	136.36	8.16	155.12	0.89	184.75	10.96	243.75	10.86	318.50
Jute, raw	62.66	149.49	83.30	302.49	181.26	449.17	148.73	370.79	52.65	146.25
Jute hessian	-	231.22	-	169.43	-	177.34	-	87.34	-	79.92
Cotton raw incld. Waste	-	1241.37	-	622.24	-	1059.19	232.55	2466.74	180.97	2375.78
Total Agricultural Imports	-	53056.37	-	51073.97	-	70164.51	-	95718.89	-	85727.30
Total National Imports	-	1363735.54	-	1683466.96	-	2345463.23	-	2669161.95	-	2715420.78
% Share of Agricultural Imports in National Imports	-	3.89	-	3.03	-	2.99	-	3.59	-	3.16

contd..

(Quantity: '000 tonnes) (Value in ₹ Crore)										
Commodity	2014-15		2015-16		2016-17		2017-18		2018-19	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
(1)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)
Tea	28.39	388.66	23.72	377.47	24.89	338.35	24.94	356.99	28.85	417.96
Coffee	74.88	930.47	65.61	801.83	78.04	926.81	77.22	996.50	82.77	958.59
Rice- Basmati	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rice (other than Basmati)	1.96	10.83	1.02	5.91	1.14	7.25	2.12	12.18	6.87	32.14
Wheat	29.49	61.34	517.67	872.59	5749.43	8509.05	1649.73	2357.84	2.75	5.44
Other cereals	23.40	61.76	206.14	344.31	311.37	493.18	265.13	433.90	244.32	471.28
Pulses	4584.85	17062.94	5797.71	25619.06	6609.49	28523.18	5607.53	18748.57	2527.88	8035.30
Tobacco unmanufactured	1.93	98.17	2.88	137.30	1.97	77.21	1.54	69.47	2.60	102.89
Tobacco manufactured	-	200.28	-	193.92	-	228.54	-	185.92	-	257.52
Spices	163.09	4393.25	197.06	5399.95	242.29	5760.25	222.33	6385.26	240.56	7932.70
Cashew	933.19	6599.74	961.67	8701.28	774.51	9027.09	654.02	9134.33	839.64	11162.32
Cashew nut shell liquid	1.72	10.03	1.86	5.60	1.69	3.67	2.09	5.66	6.61	21.05
Sesame seeds	34.77	379.99	23.60	179.66	69.03	442.15	26.27	176.77	87.54	875.17
Niger seeds	0.70	3.73	5.78	44.14	10.66	82.82	5.33	29.00	8.66	40.62
Groundnut	0.13	0.49	0.11	0.31	0.33	1.39	1.72	13.04	1.09	8.14
Other oil seeds	51.56	163.29	62.51	218.62	116.64	392.36	127.35	364.59	220.48	745.35
Vegetable oils	12731.60	64889.60	15643.74	68676.62	14007.39	73038.98	15361.02	74995.91	15019.30	69023.79
Oil meals	165.10	272.65	256.55	429.91	550.43	974.59	485.96	746.67	504.00	869.56
Guar Gum meal	0.13	5.72	0.63	13.93	0.18	2.41	0.43	3.30	0.72	5.90
Castor oil	0.05	1.81	0.03	1.10	0.11	1.50	0.04	2.54	0.22	5.32
Shellac	1.77	59.54	0.71	19.48	0.46	13.43	0.00	18.38	0.64	19.35
Sugar	1538.64	3668.21	1943.13	4037.86	2146.15	6868.61	6.87	6035.84	1490.61	3175.39
Molasses	60.28	30.14	17.27	7.50	13.84	9.04	0.01	69.29	4.47	1.38
Fruits / vegetable seeds	14.01	611.53	14.33	703.03	14.07	653.33	0.00	768.26	19.73	835.81
Fresh fruits	900.98	9566.81	857.90	11071.57	1057.51	11290.62	11.29	12524.55	1124.18	13931.65
Fresh vegetables	8.24	11.14	140.73	394.45	8.55	11.12	0.01	25.64	14.75	24.22
Processed vegetables	10.96	104.45	15.38	120.33	13.32	115.26	0.00	134.83	18.10	161.83
Processed fruits and juices	33.55	499.54	40.49	526.49	42.99	548.10	0.00	803.81	59.12	909.34
Cereal preparations	72.72	583.93	61.70	575.42	66.46	579.03	0.58	659.68	90.58	971.36
Cocoa products	65.39	1551.63	56.42	1398.91	63.61	1542.28	0.00	1473.10	87.60	1845.89
Milled products	3.47	17.72	4.39	21.40	3.56	16.22	0.00	13.02	4.18	15.60
Misc processed items	-	1785.23	-	1811.12	-	2115.82	-	2249.73	-	2560.20
Animal casings	0.00	0.00	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	0.00	0.00
Sheep/goat meat	0.09	8.73	0.05	4.80	0.13	8.50	0.01	13.36	0.12	10.83
Other meat	0.47	19.50	0.50	17.18	0.59	19.03	0.02	27.80	0.88	30.65
Processed meat	0.17	5.17	0.07	2.75	0.13	4.47	0.00	3.22	0.12	4.14
Dairy products	43.84	375.01	18.30	371.58	16.91	254.84	0.00	312.59	13.64	254.12
Poultry products	-	38.22	-	26.42	-	29.46	-	26.87	-	41.80
Floriculture products	4.82	113.37	4.77	114.40	5.57	133.81	0.00	136.46	6.37	174.09
Alcoholic beverages	-	2508.66	-	2935.85	-	3590.33	-	3876.14	-	4678.72
Marine products	27.72	453.90	50.35	639.77	52.02	633.39	44.71	793.30	56.93	1088.13
Ayush and herbal products	23.48	352.58	11.67	354.35	11.36	358.87	13.64	392.72	20.14	510.23
Jute, raw	44.00	139.58	88.37	363.44	138.84	704.13	68.14	289.02	57.25	235.86
Jute hessian	-	177.79	-	181.41	-	57.45	-	122.38	-	184.40
Cotton raw incld. Waste	289.39	3101.92	233.14	2566.21	499.62	6338.92	469.13	6306.77	299.27	4383.40
Total Agricultural Imports	-	121319.02	-	140289.22	-	164726.83	-	152095.20	-	137019.46
Total National Imports	-	2736676.99	-	2490303.76	-	2577671.14	-	3001028.71	-	3594674.22
% Share of Agricultural Imports in National Imports	-	4.43	-	5.63	-	6.39	-	5.07	-	3.81

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

12.3: India's Exports of Principal Agricultural Commodities

(Quantity: '000 tonnes)

(Value in ₹ Crore)

Commodity	2009-10		2010-11		2011-12		2012-13		2013-14	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Tea	207.83	2943.53	238.15	3354.34	271.98	4078.53	268.80	4718.79	249.91	4873.34
Coffee	157.13	2032.06	231.00	3009.91	276.52	4534.62	254.02	4711.07	253.90	4799.10
Rice- Basmati	2016.87	10889.60	2330.25	11354.63	3169.45	15449.60	3459.83	19409.39	3754.10	29291.82
Rice (other than Basmati)	139.55	365.30	100.68	231.29	3991.77	8659.13	6687.85	14448.81	7148.47	17795.21
Wheat	0.03	0.05	0.40	0.70	749.63	1023.20	6514.82	10529.00	5572.03	9277.65
Other cereals	2881.22	2973.19	3220.09	3648.49	4072.57	5492.92	5441.31	8180.61	4637.54	7178.14
Pulses	100.13	408.32	209.02	870.04	173.50	1067.93	202.67	1284.99	345.55	1748.81
Tobacco unmanufactured	230.80	3621.44	215.88	3151.58	197.17	2899.46	230.41	3815.76	237.11	4782.74
Tobacco manufactured	-	722.96	-	833.61	-	1106.96	-	1214.47	-	1351.72
Spices	601.40	5948.73	688.39	7886.51	858.20	13102.50	932.59	15176.75	896.57	15146.36
Cashew	107.47	2801.58	92.38	2819.39	107.81	4390.16	104.09	4067.21	120.74	5095.49
Cashew nut shell liquid	11.23	27.62	11.92	33.77	13.19	59.46	9.19	29.84	9.48	38.61
Sesame seeds	215.69	1494.10	360.13	2307.52	388.23	2641.66	299.48	2880.85	257.44	3583.46
Niger seeds	6.00	24.23	12.86	44.51	28.23	117.27	17.90	90.13	20.84	113.61
Groundnut	340.26	1425.93	433.76	2178.41	832.62	5246.45	535.64	4065.36	509.75	3187.66
Other oil seeds	49.79	139.36	42.82	113.40	61.81	201.43	87.59	414.61	194.46	945.53
Vegetable oils	14.75	182.90	13.71	114.62	29.67	269.10	36.09	469.35	23.01	324.82
Oil meals	4671.14	7831.79	6945.17	11069.58	7405.19	11796.46	6578.17	16519.53	6576.51	17070.13
Guargum meal	217.41	1133.31	421.43	2938.70	702.73	16523.87	406.32	21287.00	601.97	11735.39
Castor oil	397.99	2179.28	424.46	2982.92	492.63	4571.67	565.99	4309.82	544.80	4364.33
Shellac	4.04	71.30	4.33	140.07	4.34	256.79	3.60	401.74	7.75	514.03
Sugar	44.74	110.21	1733.87	5472.79	2749.43	8766.78	2793.78	8576.32	2477.64	7178.50
Molasses	31.10	19.77	371.93	214.09	384.13	204.33	342.15	223.03	211.65	147.29
Fruits / vegetable seeds	8.43	145.08	11.62	184.92	15.21	287.76	17.17	347.72	19.34	416.58
Fresh fruits	475.76	1524.21	446.76	1355.19	488.00	1937.22	534.62	2686.57	525.22	3645.62
Fresh vegetables	2032.40	3014.32	1660.25	2620.48	2040.45	3023.31	2343.88	3407.19	2291.75	5384.47
Processed vegetables	-	743.12	-	747.92	-	1043.72	-	1102.56	-	1288.86
Processed fruits and juices	-	1904.18	-	1859.96	-	2277.04	-	2577.32	-	3332.05
Cereal preparations	172.20	1030.09	213.58	1264.15	299.62	1888.62	292.69	2240.76	319.55	2856.26
Cocoa products	5.86	96.99	9.08	126.97	16.68	175.98	19.08	293.92	16.23	573.22
Milled products	72.74	153.63	99.10	197.06	171.12	358.92	273.55	603.61	419.26	1008.00
Misc processed items	-	838.19	-	1065.48	-	1434.17	-	1853.98	-	2531.48
Animal casings	1.72	32.82	1.80	33.24	1.01	33.98	0.65	21.46	0.35	28.46
Buffalo meat	490.40	5481.43	726.66	8613.31	984.96	13741.11	1076.10	17408.99	1365.64	26457.82
Sheep/goat meat	53.07	745.94	12.30	258.83	10.94	252.83	15.29	426.47	22.61	694.12
Other meat	1.17	10.75	1.03	9.51	0.32	3.67	0.19	2.33	0.27	3.40
Processed meat	0.67	8.79	0.92	13.96	0.58	9.50	0.80	9.37	0.51	7.68
Dairy products	-	796.99	-	1216.76	-	647.79	-	2324.68	-	4407.78
Poultry products	-	372.53	-	314.33	-	458.05	-	494.93	-	566.80
Floriculture products	-	294.46	-	296.04	-	365.32	-	423.45	-	455.90
Alcoholic beverages	-	584.87	-	819.86	-	1469.07	-	1932.45	-	2429.67
Marine products	698.45	9899.98	785.07	11917.11	902.41	16584.71	965.10	18841.20	1000.82	30627.28
Ayush and herbal products	59.05	1247.05	70.58	1346.99	73.77	1696.97	84.49	2120.36	76.72	2208.55
Jute, raw	48.32	54.40	36.02	128.33	28.11	80.92	33.80	95.67	44.02	113.35
Jute hessian	-	307.63	-	722.87	-	945.83	-	876.68	-	859.59
Cotton raw incld. Waste	-	9537.08	-	13162.42	-	21624.24	-	20276.51	1947.70	22337.84
Total Agricultural Exports	-	86171.10	-	113046.58	-	182801.00	-	227192.61	-	262778.54
Total National Exports	-	845533.63	-	1136964.25	-	1465959.39	-	1634318.28	-	1905011.08
% Share of Agricultural Exports in National Exports	-	10.19	-	9.94	-	12.47	-	13.90	-	13.79

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(Quantity: '000 tonnes)
(Value in ₹ Crore)

Commodity	2014-15		2015-16		2016-17		2017-18		2018-19	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
(1)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)
Tea	234.39	4171.25	245.70	4719.00	243.43	4905.64	272.89	5396.65	270.31	5828.34
Coffee	463.55	4973.25	255.74	5125.45	288.61	5646.43	317.83	6245.36	282.84	5721.98
Rice- Basmati	3698.93	27586.71	4045.83	22718.60	3985.21	21512.91	4056.85	26870.67	4414.61	32804.30
Rice (other than Basmati)	8302.21	20441.55	6464.59	15483.39	6770.83	16929.88	8818.53	23437.23	7648.00	21171.17
Wheat	2924.05	4991.81	666.68	1061.77	265.61	447.85	322.79	624.37	226.63	424.47
Other cereals	3515.35	5262.16	967.93	1702.50	734.77	1425.77	864.24	1604.28	1257.24	2426.07
Pulses	222.14	1218.31	255.72	1655.90	136.72	1277.70	179.60	1469.63	287.13	1801.51
Tobacco unmanufactured	219.57	4162.71	215.32	4373.45	204.45	4249.85	185.36	3828.13	189.55	3984.53
Tobacco manufactured	-	1705.88	-	2078.91	-	2174.12	-	2193.58	-	2874.07
Spices	939.01	14847.74	831.68	16630.14	1014.45	19111.25	1096.32	20084.91	1133.89	23217.77
Cashew	134.57	5565.85	103.13	5027.99	91.79	5278.61	90.06	5945.28	78.22	4579.17
Cashew nut shell liquid	10.94	55.81	11.68	57.59	11.40	43.99	8.33	32.63	5.30	26.91
Sesame seeds	375.66	4717.77	328.46	3012.31	307.33	2695.84	336.85	2990.93	312.00	3761.62
Niger seeds	18.16	108.96	14.12	123.27	14.07	117.22	9.22	69.86	13.37	95.50
Groundnut	788.31	4675.37	542.73	4075.63	725.71	5444.33	504.04	3386.30	489.19	3297.32
Other oil seeds	247.54	1135.36	204.62	964.47	193.27	846.58	295.10	1126.32	213.84	926.75
Vegetable oils	423.72	580.13	30.60	522.94	60.47	779.97	37.06	566.04	49.96	744.58
Oil meals	3904.59	8129.18	2056.36	3599.56	2632.26	5410.10	3570.78	7043.15	4493.29	10557.48
Guargum meal	665.11	9478.26	325.25	3233.87	419.95	3106.62	494.13	4169.56	513.22	4707.05
Castor oil	566.46	4710.42	586.78	4616.10	599.20	4521.51	697.09	6730.00	619.38	6170.12
Shellac	5.24	267.47	6.39	203.31	6.06	225.53	6.53	285.18	7.00	304.79
Sugar	1955.19	5328.83	3844.45	9824.52	2544.01	8659.54	1757.93	5225.60	3989.66	9523.14
Molasses	247.61	193.01	818.57	656.84	390.67	314.94	123.97	97.45	845.96	586.80
Fruits / vegetable seeds	12.50	427.04	13.10	529.19	11.29	522.75	14.47	670.91	17.53	866.31
Fresh fruits	539.23	3160.08	654.66	4191.24	817.06	4974.21	714.00	4913.28	823.09	5538.15
Fresh vegetables	2081.80	4666.45	2104.36	5237.10	3404.07	5790.71	2448.02	5297.72	3192.49	5679.10
Processed vegetables	186.04	1721.89	174.43	1697.22	192.86	1765.75	212.20	1823.36	228.97	2055.41
Processed fruits and juices	588.38	3626.86	532.29	3767.08	533.15	3921.08	573.28	4169.13	594.49	4481.25
Cereal preparations	313.67	3036.64	316.54	3358.12	339.95	3565.55	353.35	3561.69	347.81	3859.46
Cocoa products	33.37	848.66	32.65	1267.61	25.65	1086.77	29.58	1144.35	27.61	1350.86
Milled products	420.85	1030.61	431.46	1102.73	255.80	813.54	270.40	876.62	307.42	1063.03
Misc processed items	-	2772.44	-	2907.85	-	3053.79	-	3548.95	-	4613.38
Animal casings	0.26	19.33	0.21	17.02	0.17	13.84	12.42	327.44	14.88	480.66
Buffalo meat	1503.51	29282.58	1314.22	26684.22	1323.58	26161.38	1350.25	26035.19	1233.38	25091.43
Sheep/goat meat	23.61	828.11	21.95	837.76	22.01	869.84	22.80	843.61	21.67	867.53
Other meat	0.26	2.67	0.00	0.00	0.01	0.21	0.45	7.00	0.85	13.73
Processed meat	0.41	14.20	0.28	6.16	0.14	4.58	0.27	9.89	0.41	13.92
Dairy products	104.17	2169.03	77.53	1677.46	90.35	1701.18	102.26	1954.63	180.69	3375.73
Poultry products	-	651.19	-	769.14	-	530.44	-	552.09	-	687.22
Floriculture products	22.95	460.80	22.69	483.41	22.02	546.71	20.70	507.32	19.69	571.43
Alcoholic beverages	-	2264.89	-	2030.92	-	2004.79	-	2105.78	-	2103.97
Marine products	1231.81	33688.38	978.04	31219.48	1185.27	39593.78	1432.46	47646.41	1672.39	47664.94
Ayush and herbal products	92.06	2169.49	95.88	2385.49	83.36	2693.57	89.10	2940.06	108.05	3127.26
Jute, raw	37.39	119.20	25.11	113.58	18.18	76.63	27.20	95.43	25.65	107.74
Jute hessian	-	770.08	-	824.89	-	927.32	-	909.94	-	795.77
Cotton raw incld. Waste	1142.53	11642.64	1347.07	12821.13	996.09	10907.32	1101.47	12200.05	1143.07	14627.55
Total Agricultural Exports	-	239681.04	-	215396.32	-	226651.91	-	251563.94	-	274571.28
Total National Exports	-	1896348.42	-	1716384.39	-	1849433.54	-	1956514.52	-	2307726.18
% Share of Agricultural Exports in National Exports	-	12.64	-	12.55	-	12.26	-	12.86	-	11.90

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

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

(As on 25.01.2019)

S.No	Item description	Basic Customs duty (%)	Bound duty (%)
(1)	(2)	(3)	(4)
I. Cereals and Pulses			
1	Pulses	Chickpeas-60, Bengal, Gram-60, Kabuli Chana-40, Tur-10, Yellow Peas-50, Lentils-30, Rest- Nil	Peas: 50, Rest: 100
2	Wheat	30	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	150
II. Cereals Products			
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	50	100
7	Roasted malt	30	100
8	Unroasted malt	30	40
III Dairy Products			
1	Fresh milk and cream	30	100* (varies with fat content)
2	Butter and melted butter (ghee)	30	40
3	Cheese	30	40
4	Milk powder	60	60
5	Yoghurt	30	150
IV Plantation Crops			
1	Tea	100	150
2	Coffee	100	100
3	Coconut	70	100
4	Copra	35	300
5	Cassia and cinnamon	30	100
6	Cloves	35	100
7	Other Spices	30	150
V. Meat & Poultry			
1	Chicken sausages	100	150
2	Chicken leg (processed)	100	150
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	55
7	Fish	-30 (Atlantic salmon -10)	-
VI. Raw/ White/ Refined Sugar			
		100	150
VII. Horticulture			
1	Apples	50	50
2	Grapefruit	40	40
3	Strawberries, dried apricots etc.	30	100
4	Banana	30	100
5	Pears and Quinces (fresh)	30	-
6	Oranges; lemons and limes; fresh grapes	30	40
7	Fresh pomegranates, lichi, tamarind (fresh), custard apple	15	100
8	Garlic	100	100
9	Onions & Shallots	Nil	100
10	Mushrooms	30	35

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(As on 25.01.2019)			
S.No	Item description	Basic Customs duty (%)	Bound duty (%)
(1)	(2)	(3)	(4)
11	Potato (fresh or chilled)	30	100
12	Sweet Potato	30	100
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	Areca nut	100	100
17	Hop cones (ground, powdered or in pellets)	30	100
18	Hop cones (other than ground, powdered or in pellets)	30	100
19	Betel leaves	30	100
20	Planting materials of oilseeds	30/45/70	100
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
23	Apricot, peach, cherries	30	100
24	Seeds of a kind used for sowing (other than vegetable seeds)	Sugar beet- 5, Others- 15	100
25	Vegetable seeds	5	100
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
VIII. Edible Oils (Crude)			
1	Soybean Oil	35	45
2	Palm Oil	44	300
3	Groundnut Oil	35	300
4	Sunflower/ Safflower	35	300
5	Coconut Oil	35	300
6	Rapeseed Oil	35	70
7	Colza or Mustard Oil	35	75
8	Castor Oil/ Tung Oil	35	100
9	Other Oils	35	200
10	Safflower	35	300
IX Edible Oils (Refined)			
1	Soybean Oil	45	45
2	RBD Palmolein	54	300
3	Palm Oil	54	300
4	Groundnut Oil	45	300
5	Sunflower	45	300
6	Coconut Oil Edible grade	45	300
7	Coconut Oil Other	45	300
8	Rapeseed Oil	45	75
9	Colza or Mustard Oil	45	75
10	Castor Oil/ Tung Oil	45	100
11	Safflower	45	300
12	Other Oils edible grade	45	200

Source : Department of Revenue, Ministry of Finance.

12.5(a): Wholesale Price Index of Foodgrains (Base: 2011-12=100)

Commodity	Weight	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
All Commodities	100.00	106.9	112.5	113.9	109.7	111.6	114.9	119.8
(A) Primary Articles	22.62	111.4	122.4	125.1	124.6	128.9	130.6	134.2
(B) Fuel & Power	13.15	107.1	114.7	107.7	86.5	86.3	93.3	104.1
(C) Manufactured Products	64.23	105.3	108.5	111.2	109.2	110.7	113.8	117.9
Foodgrains (Cereals+Pulses)	3.46	115.1	124.5	128.4	137.3	152.0	142.6	146.7
(a) Cereals	2.82	114.1	126.6	129.9	131.3	142.7	143.1	151.0
Rice	1.43	113.2	129.1	136.6	134.7	143.6	149.4	155.3
Wheat	1.03	115.3	124.9	123.4	128.4	142.1	138.7	149.4
Jowar	0.07	96.8	100.4	115.8	113.9	124.5	123.4	130.3
Bajra	0.09	120.0	133.0	129.6	133.8	155.1	139.1	150.4
Maize	0.19	116.0	123.1	118.5	125.5	137.0	124.7	133.2
Barley	0.01	115.6	119.2	126.8	129.1	155.2	140.6	149.8
Ragi	0.01	139.9	167.5	161.0	161.0	198.6	234.1	214.7
(b) Pulses	0.64	120.0	114.9	121.7	164.0	192.8	140.5	127.3
Gram	0.26	135.3	109.4	103.0	142.0	219.2	164.8	135.7
Arhar	0.13	109.8	118.0	128.1	193.2	181.1	116.8	118.2
Moong	0.07	108.6	122.6	145.7	165.2	136.8	114.0	119.6
Masur	0.05	115.5	132.9	153.9	188.0	176.9	135.4	122.9
Urad	0.09	96.6	100.4	124.1	180.0	201.6	128.2	114.3
Peas/Chawali	0.02	131.1	137.5	132.7	132.8	141.3	135.7	165.4
Rajma	0.01	151.0	176.4	164.7	155.5	159.6	151.4	132.8
Sugar	1.06	111.7	107.0	105.6	95.2	122.6	126.8	113.2
Gur	0.02	112.0	116.2	116.7	109.9	123.1	133.1	124.9
Food Articles	15.26	110.9	124.5	131.5	134.9	140.3	143.2	143.7
Non-Food Articles	4.12	113.3	118.4	115.1	118.2	122.2	119.6	123.1

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

12.5(b): Growth Rate (Inflation) of Wholesale Price Index of Foodgrains (Base: 2011-12=100)

(Figures in Percentage)

Commodity	Weight	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
All Commodities	100.00	5.2	1.2	-3.7	1.7	3.0	4.3
(A) Primary Articles	22.62	9.9	2.2	-0.4	3.5	1.3	2.8
(B) Fuel & Power	13.15	7.1	-6.1	-19.7	-0.2	8.1	11.6
(C) Manufactured Products	64.23	3.0	2.5	-1.8	1.4	2.8	3.6
Foodgrains (Cereals+Pulses)	3.46	8.2	3.1	6.9	10.7	-6.2	2.9
(a) Cereals	2.82	11.0	2.6	1.1	8.7	0.3	5.5
Rice	1.43	14.0	5.8	-1.4	6.6	4.0	3.9
Wheat	1.03	8.3	-1.2	4.1	10.7	-2.4	7.7
Jowar	0.07	3.7	15.3	-1.6	9.3	-0.9	5.6
Bajra	0.09	10.8	-2.6	3.2	15.9	-10.3	8.1
Maize	0.19	6.1	-3.7	5.9	9.2	-9.0	6.8
Barley	0.01	3.1	6.4	1.8	20.2	-9.4	6.5
Ragi	0.01	19.7	-3.9	0.0	23.4	17.9	-8.3
(b) Pulses	0.64	-4.3	5.9	34.8	17.6	-27.1	-9.4
Gram	0.26	-19.1	-5.9	37.9	54.4	-24.8	-17.7
Arhar	0.13	7.5	8.6	50.8	-6.3	-35.5	1.2
Moong	0.07	12.9	18.8	13.4	-17.2	-16.7	4.9
Masur	0.05	15.1	15.8	22.2	-5.9	-23.5	-9.2
Urad	0.09	3.9	23.6	45.0	12.0	-36.4	-10.8
Peas/Chawali	0.02	4.9	-3.5	0.1	6.4	-4.0	21.9
Rajma	0.01	16.8	-6.6	-5.6	2.6	-5.1	-12.3
Sugar	1.06	-4.2	-1.3	-9.8	28.8	3.4	-10.7
Gur	0.02	3.8	0.4	-5.8	12.0	8.1	-6.2
Food Articles	15.26	12.3	5.6	2.6	4.0	2.1	0.3
Non-Food Articles	4.12	4.5	-2.8	2.7	3.4	-2.1	2.9

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

12.6(a): Wholesale Price Index of Commercial Crops (Base: 2011-12=100)

Commodity	Weight	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
A. Oil Seeds	1.12	126.8	125.6	129.2	136.6	136.0	129.9	140.5
Groundnut Seed	0.27	120.5	108.2	106.9	127.9	138.2	122.5	118.3
Rape & Mustard Seed	0.25	131.1	119.1	122.7	145.9	149.4	134.1	142.2
Cotton Seed	0.01	108.7	116.2	117.4	136.4	160.2	143.8	139.4
Copra (Coconut)	0.07	80.8	101.4	156.9	132.5	111.1	179.7	210.1
Gingelly Seed (Sesamum)	0.01	139.8	154.5	133.7	111.1	118.6	121.6	148.6
Linseed	0.01	125.4	126.4	127.3	132.5	167.6	155.5	146.2
Castor Seed	0.10	84.7	85.1	93.8	89.5	85.0	103.1	111.2
Niger Seed	0.00	118.4	115.9	127.3	222.8	207.6	201.3	145.1
Safflower (Kardi Seed)	0.00	114.4	113.7	99.0	107.4	114.0	135.0	145.0
Sunflower	0.02	112.0	114.3	108.7	114.5	111.5	99.8	112.7
Soybean	0.38	149.4	157.5	154.6	151.1	143.8	129.9	150.1
a1 Manufacture of vegetable and animal oils and fats	2.64	106.3	104.0	102.0	98.7	107.0	109.4	117.6
Mustard Oil	0.18	116.9	105.8	109.4	124.5	124.7	118.1	124.5
Rapeseed Oil	0.01	114.7	108.0	107.2	119.8	119.0	111.2	112.3
Copra Oil	0.03	91.6	107.7	155.2	141.3	129.4	162.4	109.9
Groundnut Oil	0.06	122.8	104.1	94.5	109.9	119.5	108.4	109.5
Cotton Seed Oil	0.07	106.8	102.6	99.3	97.9	100.8	101.6	112.7
Sunflower Oil	0.23	105.6	106.6	95.4	101.3	105.0	103.4	123.2
Soybean Oil	0.34	110.9	107.2	102.7	98.5	104.5	106.1	116.9
Castor Oil	0.03	92.9	97.2	103.4	97.4	95.9	106.8	112.1
Rice Bran Oil	0.30	108.0	101.7	101.6	98.5	109.4	111.2	181.2
Palm Oil	1.02	103.4	103.7	100.8	92.4	103.9	108.4	110.0
B. Fruits and Vegetables	3.48	114.9	140.4	146.5	139.2	138.7	155.9	147.3
b1. Vegetables	1.87	123.5	163.6	159.4	145.7	138.0	164.0	150.2
Potato	0.28	162.9	176.5	227.3	127.5	175.6	117.9	192.6
Onion	0.16	126.1	270.5	194.0	253.6	117.4	212.0	138.0
b2. FRUITS	1.60	104.9	113.3	131.5	131.6	139.5	146.5	144.0
Banana	0.33	113.2	132.5	146.2	137.1	144.9	158.3	140.6
Mango	0.46	96.0	86.8	107.3	121.2	132.1	126.7	130.2
Apple	0.08	106.9	104.3	110.0	101.0	109.1	114.3	108.7
Orange	0.13	110.5	107.8	111.8	106.9	124.0	125.2	112.8
C. Condiments & Spices	0.53	87.1	102.7	120.8	138.9	140.5	125.2	129.6
Black Pepper	0.02	129.6	139.1	183.5	183.6	186.7	158.0	135.7
Chillies(Dry)	0.14	83.6	94.4	109.0	130.4	135.7	111.6	126.7
Turmeric	0.10	79.8	103.0	109.3	121.5	117.3	119.7	118.7
D. Raw Cotton	0.66	95.0	108.6	95.8	89.5	106.8	107.5	116.6
E. Raw Jute	0.05	110.3	120.9	132.5	181.5	208.0	160.4	181.9

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

**12.6(b): Growth Rate (Inflation) of Wholesale Price Index of Commercial Crops
(Base: 2011-12=100)**

(Figures in Percentage)

Commodity	Weight	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
A. Oil Seeds	1.12	-0.9	2.9	5.7	-0.4	-4.5	8.2
Groundnut Seed	0.27	-10.2	-1.2	19.6	8.1	-11.4	-3.4
Rape & Mustard Seed	0.25	-9.2	3.0	18.9	2.4	-10.2	6.0
Cotton Seed	0.01	6.9	1.0	16.2	17.4	-10.2	-3.1
Copra (Coconut)	0.07	25.5	54.7	-15.6	-16.2	61.7	16.9
Gingelly Seed (Sesamum)	0.01	10.5	-13.5	-16.9	6.8	2.5	22.2
Linseed	0.01	0.8	0.7	4.1	26.5	-7.2	-6.0
Castor Seed	0.10	0.5	10.2	-4.6	-5.0	21.3	7.9
Niger Seed	0.00	-2.1	9.8	75.0	-6.8	-3.0	-27.9
Safflower (Kardi Seed)	0.00	-0.6	-12.9	8.5	6.1	18.4	7.4
Sunflower	0.02	2.1	-4.9	5.3	-2.6	-10.5	12.9
Soybean	0.38	5.4	-1.8	-2.3	-4.8	-9.7	15.6
a1 Manufacture of vegetable and animal oils and fats	2.64	-2.2	-1.9	-3.2	8.4	2.2	7.5
Mustard Oil	0.18	-9.5	3.4	13.8	0.2	-5.3	5.4
Rapeseed Oil	0.01	-5.8	-0.7	11.8	-0.7	-6.6	5.8
Copra Oil	0.03	17.6	44.1	-9.0	-8.4	25.5	6.3
Groundnut Oil	0.06	-15.2	-9.2	16.3	8.7	-9.3	1.0
Cotton Seed Oil	0.07	-3.9	-3.2	-1.4	3.0	0.8	5.5
Sunflower Oil	0.23	0.9	-10.5	6.2	3.7	-1.5	10.8
Soybean Oil	0.34	-3.3	-4.2	-4.1	6.1	1.5	7.8
Castor Oil	0.03	4.6	6.4	-5.8	-1.5	11.4	0.8
Rice Bran Oil	0.30	-5.8	-0.1	-3.1	11.1	1.6	11.6
Palm Oil	1.02	0.3	-2.8	-8.3	12.4	4.3	8.3
B. Fruits and Vegetables	3.48	22.2	4.3	-5.0	-0.4	12.4	-5.5
b1. Vegetables	1.87	32.5	-2.6	-8.6	-5.3	18.8	-8.4
Potato	0.28	8.3	28.8	-43.9	37.7	-32.9	63.4
Onion	0.16	114.5	-28.3	30.7	-53.7	80.6	-34.9
b2. FRUITS	1.60	8.0	16.1	0.1	6.0	5.0	-1.7
Banana	0.33	17.0	10.3	-6.2	5.7	9.2	-11.2
Mango	0.46	-9.6	23.6	13.0	9.0	-4.1	2.8
Apple	0.08	-2.4	5.5	-8.2	8.0	4.8	-4.9
Orange	0.13	-2.4	3.7	-4.4	16.0	1.0	-9.9
C. Condiments & Spices	0.53	17.9	17.6	15.0	1.2	-10.9	3.5
Black Pepper	0.02	7.3	31.9	0.1	1.7	-15.4	-14.1
Chillies(Dry)	0.14	12.9	15.5	19.6	4.1	-17.8	13.5
Turmeric	0.10	29.1	6.1	11.2	-3.5	2.0	-0.8
Raw Cotton	0.66	14.3	-11.8	-6.6	19.3	0.7	8.5
Raw Jute	0.05	9.6	9.6	37.0	14.6	-22.9	13.4

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

12.7(a): Consumer Price Index (Combined) of Food and Beverages (Base: 2012=100)

Group/ Sub-Group (1)	Weight (2)	2012-13 (3)	2013-14 (4)	2014-15 (5)	2015-16 (6)	2016-17 (7)	2017-18 (8)	2018-19 (9)
General Index (All Groups)	100	102.5	112.2	118.9	124.7	130.3	135.0	139.6
Food and Beverages	45.86	103.3	115.6	123.1	129.4	135.2	138.1	139.1
Cereals & Products	9.67	103.8	116.6	122.6	124.9	130.2	134.7	137.5
Meat and fish	3.61	103.7	112.6	121.0	128.2	134.8	141.3	148.8
Egg	0.43	103.7	115.0	118.7	121.5	129.6	134.3	137.3
Milk and products	6.61	102.2	111.0	122.5	128.8	134.1	139.6	142.2
Oils and fats	3.56	102.8	105.6	108.1	112.7	117.3	119.2	121.6
Fruits	2.89	103.0	111.9	127.4	129.4	135.6	141.9	145.2
Vegetables	6.04	105.7	137.5	142.3	144.2	141.1	149.3	141.6
Pulses and products	2.38	102.9	107.5	116.0	153.0	167.2	132.1	121.1
Sugar and confectionery	1.36	103.0	102.1	101.7	94.5	113.0	119.9	111.5
Spices	2.5	100.9	108.2	117.5	128.8	138.0	136.4	139.4
Non-alcoholic beverages	1.26	102.2	110.6	115.8	121.0	125.7	128.5	131.8
Prepared meals; snacks; sweets etc.	5.55	103.2	114.8	124.1	132.9	140.5	147.4	153.4
Consumer Food Price Index	39.06	103.4	115.9	123.2	129.2	129.2	137.1	137.3

Source : National Statistical Office

Notes:

1. Figures are as per New CPI series introduced from January 2011. Data for this series is available with Base: 2012=100
2. Yearly indices are simple average of monthly indices

12.7(b): Growth Rate (Inflation) of Consumer Price Index (Combined) of Food and Beverages (Base: 2012=100)

(Figures in Percentage)

Group/ Sub-Group	Weight	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
General Index (All Groups)	100	9.4	5.9	4.9	4.5	3.6	3.4
Food and Beverages	45.86	11.9	6.5	5.1	4.4	2.2	0.7
Cereals & Products	9.67	12.3	5.2	1.8	4.2	3.5	2.1
Meat and fish	3.61	8.6	7.5	6.0	5.1	4.8	5.3
Egg	0.43	10.9	3.2	2.3	6.7	3.6	2.3
Milk and products	6.61	8.6	10.3	5.2	4.1	4.1	1.8
Oils and fats	3.56	2.7	2.4	4.3	4.0	1.6	2.1
Fruits	2.89	8.6	13.9	1.5	4.8	4.6	2.3
Vegetables	6.04	30.2	3.4	1.4	-2.2	5.8	-5.2
Pulses and products	2.38	4.4	7.9	31.9	9.3	-21.0	-8.3
Sugar and confectionery	1.36	-0.9	-0.4	-7.0	19.6	6.1	-7.0
Spices	2.5	7.3	8.6	9.6	7.1	-1.1	2.2
Non-alcoholic beverages	1.26	8.3	4.7	4.5	3.9	2.2	2.6
Prepared meals; snacks; sweets etc.	5.55	11.2	8.1	7.1	5.7	4.9	4.1
Consumer Food Price Index	39.06	12.1	6.4	4.9	0.0	6.1	0.1

Source : National Statistical Office

Notes:

1. Figures are as per New CPI series introduced from January 2011. Data for this series is available with Base: 2012=100
2. Yearly indices are simple average of monthly indices

13

Land Use Statistics

13.1: Agricultural Land by use in India

(Million Hectare)										
S.No	Classification	1950-51	1960-61	1970-71	1980-81	1990-91	2000-01	2001-02	2002-03	2003-04
(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
II.	Reporting Area for Land Utilisation Statistics	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
	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...

(Million Hectare)													
S.No.	Classification	2004-05	2005-06	2006-07	2007-08	2008-09 (P)	2009-10 (P)	2010-11 (P)	2011-12 (P)	2012-13 (P)	2013-14 (P)	2014-15 (P)	2015-16 (P)
(1)	(2)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)
I.	Geographical Area	328.73	328.73	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	305.59	306.88	307.09	307.23	307.41	307.41	307.48	307.39	307.49	307.80	307.78	307.75
	1. Forest	69.96	71.43	71.46	71.53	71.54	71.56	71.59	71.60	71.57	71.83	71.76	71.87
	%	22.89	23.28	23.27	23.28	23.27	23.28	23.28	23.29	23.28	23.34	23.31	23.35
	2. Not Available for Cultivation (A+B)	42.23	42.32	42.73	42.90	43.06	43.33	43.58	43.53	43.57	43.85	43.93	44.02
	(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	26.94	27.08
	%	8.10	8.14	8.29	8.42	8.53	8.51	8.59	8.56	8.62	8.74	8.75	8.80
	(B) Barren & Un-culturable Land	17.47	17.33	17.29	17.02	16.85	17.18	17.18	17.22	17.07	16.94	16.99	16.94
	%	5.72	5.65	5.63	5.54	5.48	5.59	5.59	5.60	5.55	5.50	5.52	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	25.84	25.78	25.64
	(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	10.26	10.26
	%	3.42	3.40	3.39	3.37	3.37	3.36	3.35	3.36	3.34	3.33	3.33	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	3.10	3.09
	%	1.10	1.10	1.09	1.11	1.09	1.05	1.04	1.03	1.03	1.04	1.01	1.01
	(C) Culturable Waste Land	13.27	13.22	13.27	13.04	12.73	12.95	12.65	12.64	12.64	12.39	12.42	12.29
	%	4.34	4.31	4.32	4.25	4.14	4.21	4.11	4.11	4.11	4.02	4.03	3.99
	4. Fallow Lands (A+B)	25.67	24.91	26.03	24.98	24.48	26.85	24.60	25.18	26.33	24.85	26.18	26.72
	(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	11.09	11.31
	%	3.56	3.49	3.42	3.36	3.35	3.53	3.36	3.47	3.59	3.47	3.60	3.67
	(B) Current Fallows	14.79	14.21	15.51	14.65	14.19	16.01	14.28	14.51	15.29	14.16	15.09	15.41
	%	4.84	4.63	5.05	4.77	4.62	5.21	4.64	4.72	4.97	4.60	4.90	5.01
	5. Net Area Sown (6-7)	140.64	141.16	139.82	141.02	141.90	139.17	141.56	140.98	139.93	141.43	140.13	139.51
	%	46.02	46.00	45.53	45.90	46.16	45.27	46.04	45.86	45.51	45.95	45.53	45.33
	6. Total Cropped Area (Gross Cropped Area)	191.10	192.74	192.38	195.22	195.33	189.19	197.68	195.80	194.22	200.95	198.38	197.05
	7. Area Sown more than once	50.46	51.57	52.56	54.21	53.43	50.02	56.12	54.82	54.29	59.53	58.25	57.55
	8. Cropping Intensity*	135.88	136.54	137.59	138.44	137.65	135.94	139.64	138.88	138.79	142.09	141.57	141.25
III.	Net Irrigated Area	59.23	60.84	62.74	63.19	63.64	61.94	63.67	65.71	66.29	68.12	68.38	67.30
IV.	Gross Irrigated Area	81.08	84.28	86.75	88.06	88.90	85.09	88.94	91.79	92.24	95.76	96.75	96.62

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

Notes: 1: Percentages worked out over Reported Area.

2: In 2009-10 there was 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.

13.2 : Selected Categories of Land Use

(Million Hectare)

Year	Net area sown	Total cropped	Area sown more than once	Net Irrigated	Gross Irrigated	Area Irrigated more than once
Year	area	area	(3-2)	Area	Area	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	4.11
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
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	189.19	50.02	61.94	85.09	23.14
2010-11 (P)	141.56	197.68	56.12	63.67	88.94	25.27
2011-12 (P)	140.98	195.80	54.82	65.71	91.79	26.08
2012-13 (P)	139.93	194.22	54.29	66.29	92.24	25.96
2013-14 (P)	141.43	200.95	59.53	68.12	95.76	27.64
2014-15 (P)	140.13	198.38	58.25	68.38	96.75	28.37
2015-16 (P)	139.51	197.05	57.55	67.30	96.62	29.32

Source : Directorate of Economics & Statistics, DAC&FW

P: Provisional

13.3 : Gross Cropped Area (Percentage Distribution)

Crop	Percentage Share of Area to Gross Cropped Area		
	2013-14 (P)	2014-15 (P)	2015-16 (P)
(1)	(2)	(3)	(4)
Rice	22.13	22.30	22.01
Jowar	2.86	3.15	3.09
Bajra	4.03	3.96	3.61
Maize	4.49	4.43	4.30
Ragi	0.60	0.60	0.58
Wheat	15.61	16.18	15.72
Barley	0.34	0.37	0.28
Other Cereals & Millets	0.36	0.35	0.37
Coarse Cereals	12.69	12.85	12.24
Total Cereals	50.43	51.33	49.97
Gram	4.68	3.86	3.78
Tur	1.76	1.71	1.77
Other Pulses	5.40	5.37	6.04
Total Pulses	11.83	10.94	11.59
Total Food-grains	62.26	62.26	61.56
Sugarcane	2.75	2.81	2.66
Condiments & Spices	1.64	1.74	1.96
Total Fruits	2.07	2.12	2.36
Potatoes	0.84	0.89	0.98
Onions	0.30	0.33	0.57
Total Vegetables	2.80	2.91	3.46
Groundnut	2.70	2.57	2.27
Sesamum	0.84	0.93	1.01
Rapeseed & Mustard	3.01	2.72	2.84
Linseed	0.11	0.11	0.09
Other Oil Seeds	8.31	7.99	8.15
Total Oil Seeds	14.98	14.33	14.36
Cotton	5.93	6.38	6.14
Jute	0.38	0.38	0.37
Mesta	0.03	0.04	0.04
Total Fibers	6.37	6.82	6.56
Tobacco	0.23	0.24	0.22
Other Crops	6.89	6.76	6.85
Gross Cropped Area	100.00	100.00	100.00

Source : Directorate of Economics & Statistics, DAC&FW

P: Provisional

13.4 : State-wise Percentage Coverage of Irrigated Area under Principal Crops during 2015-16 (Provisional)

State/UTs	Rice	Jowar	Bajra	Maize	Wheat	Barley	Total Cereals	Gram	Tur or Arhar	Total pulses	Total Food-grains	Sugar-cane	Groundnut	Rape-seed & Mustard	Soy-bean	Sun-flower	Total Oilseeds	Cotton	Tobacco	Total area under all crops
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)
Andhra Pradesh	96.6	26.0	21.1	75.2	5.5	-	86.4	0.4	1.4	1.8	56.8	91.7	16.0	6.3	34.7	44.2	24.8	15.6	33.3	47.1
Arunachal Pradesh	39.1	-	-	0.0	33.6	-	24.9	-	0.0	0.0	23.4	0.0	0.0	0.0	0.0	0.0	0.0	-	-	18.6
Assam	13.1	0.0	-	2.7	12.3	0.0	12.9	0.0	0.0	1.8	12.3	1.5	0.0	0.0	-	0.0	0.3	0.0	0.0	9.6
Bihar	65.4	16.0	1.5	65.8	95.7	38.0	75.8	4.0	1.3	4.9	70.4	79.7	15.2	67.5	-	83.3	59.7	-	96.0	69.3
Chhattisgarh	35.2	0.4	0.0	10.7	76.9	3.0	34.4	44.7	0.0	16.3	31.5	98.8	14.2	8.8	1.0	93.6	4.2	65.3	90.9	31.1
Goa	32.9	-	-	-	-	-	32.9	-	-	97.6	42.5	100.0	81.0	-	-	-	16.3	-	-	24.5
Gujarat**	61.5	19.8	22.3	12.5	90.8	46.9	55.2	43.8	7.5	13.5	47.5	94.5	12.4	95.3	0.0	0.0	34.3	58.7	100.0	52.4
Haryana	100.0	84.2	60.1	34.3	99.6	94.1	96.2	17.2	91.4	28.5	95.2	99.9	98.4	90.3	-	100.0	90.3	99.9	-	91.4
Himachal Pradesh	71.4	0.0	16.9	10.8	22.8	14.3	22.8	10.4	1.2	6.4	22.3	62.9	22.9	17.1	37.9	-	19.9	19.0	0.0	22.1
Jammu & Kashmir	87.5	-	2.4	8.5	29.9	8.9	42.8	-	-	18.2	42.4	0.5	-	72.7	-	-	67.5	0.0	-	44.7
Jharkhand	4.0	0.0	0.0	1.6	96.6	4.6	8.5	21.4	0.5	7.0	8.4	69.5	0.0	45.2	-	7.1	14.9	-	-	13.0
Karnataka	71.5	13.3	10.3	29.4	57.3	-	32.4	11.8	5.2	8.2	23.0	99.6	29.3	23.9	6.2	20.3	29.1	24.8	10.9	31.2
Kerala	76.5	0.0	-	0.0	0.0	-	76.3	0.0	0.0	0.0	74.9	83.9	0.0	-	0.0	-	20.9	0.0	0.0	18.4
Madhya Pradesh	36.1	0.6	0.0	5.1	93.3	59.7	67.2	63.8	2.1	39.7	58.4	99.8	10.5	58.5	0.4	31.8	5.3	64.1	78.3	42.3
Maharashtra**	26.1	9.5	5.0	12.7	73.9	-	20.2	24.3	1.6	10.7	17.2	100.0	20.8	9.0	0.4	22.8	2.3	2.7	16.7	20.2
Manipur**	30.7	-	-	0.0	0.0	-	27.4	0.0	0.0	0.0	24.5	0.0	0.0	0.0	0.0	-	0.0	-	-	16.7
Meghalaya	90.7	-	-	0.0	100.0	-	76.3	0.0	0.0	0.0	71.9	0.0	-	64.5	0.0	-	45.4	0.0	0.0	42.1
Mizoram**	72.5	-	-	0.0	-	-	60.1	-	-	100.0	63.1	0.0	-	0.0	0.0	-	0.0	0.0	-	16.3
Nagaland	53.7	0.0	0.0	0.7	17.1	0.0	38.2	12.3	0.0	3.8	34.2	0.0	0.0	10.1	0.0	3.4	5.7	0.0	-	22.7
Orissa	33.7	-	-	4.7	100.0	-	32.7	-	-	4.0	29.7	100.0	24.6	34.7	-	-	17.8	-	-	29.9
Punjab	99.7	-	95.2	76.2	99.0	97.2	98.9	83.0	92.0	87.9	98.9	97.4	49.4	93.2	-	100.0	90.4	100.0	-	98.6
Rajasthan	71.8	0.4	5.4	5.0	99.7	98.9	41.0	70.3	4.6	21.5	35.2	99.0	87.5	93.4	1.7	-	62.8	95.7	96.1	42.2
Sikkim**	70.7	-	-	12.1	0.0	0.3	21.8	-	-	0.6	19.8	-	-	36.9	27.8	-	32.6	-	-	11.5
Tamil Nadu	94.9	11.0	18.0	44.6	80.0	-	74.2	2.8	6.6	10.7	59.2	100.0	39.5	0.0	99.4	44.3	66.1	28.3	99.9	58.8
Telangana	97.1	13.4	72.3	31.6	97.5	-	71.2	13.1	0.8	5.7	57.0	100.0	91.6	98.7	11.3	92.1	37.6	11.6	75.2	41.4
Tripura	34.1	-	-	6.5	62.6	-	33.2	53.2	1.4	21.4	32.4	44.6	22.8	42.3	2.2	-	17.6	0.0	-	24.2
Uttarakhand	69.8	-	-	1.5	60.0	1.2	48.2	78.2	0.5	7.7	45.7	99.0	2.8	47.0	2.2	0.0	23.6	100.0	-	50.0
Uttar Pradesh	83.5	5.7	14.6	47.5	98.2	71.5	85.6	21.2	12.9	27.6	80.1	95.8	6.4	85.5	0.9	81.9	40.6	97.4	99.7	79.7
West Bengal**	51.1	91.5	72.6	85.0	95.1	0.0	54.5	57.7	16.1	31.9	53.2	94.2	-	91.2	-	-	82.8	81.0	89.8	64.0
All India	60.1	10.3	10.5	26.7	94.2	77.0	60.4	38.7	3.8	19.1	52.6	95.8	28.9	79.9	0.9	28.7	28.4	32.6	66.8	49.0

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

Table: 13.3 Agricultural Land by type of Use															(Thousand Hectare)	
State/ Union- Territory/ Year	Geogra- phical Area	Reporting area for land utilisation statistics	Forest	Land not available for cultivation	Other uncultivated land excluding Fallow Land				Fallow Land		Net area sown	Total cropped area	Agri. Land/ Cultivable Land/ Culturable 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	Current fallows					Total	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	
ANDHRA PRADESH																
2013-14	16020*	16020	3493		3436	212	160	392	764	792	1087	1879	6448	8128	8879	126.0
2014-15	16276*	16276	3663		3353	214	159	391	764	858	1401	2260	6236	7690	9047	123.3
2015-16	16297*	16297	3688		3378	212	157	410	779	832	1410	2242	6209	7532	9018	121.3
ARUNACHAL PRADESH																
2013-14	8374	7239	6732*		64	18	35	63	116	65	36	101	225	296	424	131.4
2014-15	8374	7235	6732*		62	18	35	62	115	65	36	101	225	299	423	132.8
2015-16	8374	7228	6725*		62	18	35	62	114	64	36	100	227	301	423	132.9
ASSAM																
2013-14	7844	7844	1853		2466	168	222	144	534	85	87	172	2820	4100	3357	145.4
2014-15	7844	7844	1853		2460	167	220	142	529	87	87	175	2827	4083	3364	144.4
2015-16	7844	7844	1853		2482	167	222	137	526	88	94	182	2801	4060	3343	144.9
BIHAR																
2013-14	9416	9360	622		2144	15	247	45	308	120	913	1034	5252	7580	6578	144.3
2014-15	9416	9360	622		2144	15	248	45	308	119	889	1008	5278	7673	6579	145.4
2015-16	9416	9360	622		2145	15	248	44	308	119	961	1081	5205	7572	6578	145.5
CHHATTISGARH																
2013-14	13519	13790	6331		1027	882	1	349	1232	254	260	514	4686	5698	5550	121.6
2014-15	13519	13790	6316		1030	887	1	351	1239	258	267	525	4681	5728	5558	122.4
2015-16	13519	13790	6314		1027	887	2	364	1253	263	281	545	4651	5640	5561	121.3
GOA																
2013-14	370	361	125		37	1	1	53	54		15	15	129	158	197	122.2
2014-15	370	361	125		37	1	1	53	54		15	15	129	158	197	122.0
2015-16	370	361	125		37	1	1	53	54		14	14	130	157	197	120.9
GUJARAT																
2013-14*	19602	19069	1834		3723	851	4	1960	2815	16	379	395	10302	12487	12661	121.2
2014-15*	19602	19069	1834		3723	851	4	1960	2815	16	379	395	10302	12773	12661	124.0
2015-16*	19602	19069	1834		3723	851	4	1960	2815	16	379	395	10302	11522	12661	111.8
HARYANA																
2013-14	4421	4371	39		662	26	7	18	51	22	101	123	3497	6471	3645	185.0
2014-15	4421	4371	38		653	25	9	17	51	22	86	108	3522	6536	3656	185.6
2015-16	4421	4371	41		508	25	8	44	78	130	93	223	3522	6510	3798	184.8
HIMACHAL PRADESH																
2013-14	5567	4576	1126		1121	1518	63	121	1701	22	57	79	549	940	811	171.3
2014-15	5567	4577	1127		1127	1514	63	123	1700	21	54	75	548	918	810	167.4
2015-16	5567	4577	1127		1132	1502	69	119	1690	22	54	76	551	933	816	169.2
JAMMU & KASHMIR																
2013-14	22224	4012*	2254*		573	114	65	134	313	16	114	130	741	1160	1070	156.6
2014-15	22224	4013*	2254*		571	112	57	139	308	15	106	121	758	1196	1075	157.7
2015-16	22224	4058*	2299*		571	111	55	134	299	20	114	134	754	1159	1077	153.7

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State/ Union- Territory/ Year	Geogra- phical Area	Reporting area for land utilisation statistics	Forest	Land not available for cultivation	Other uncultivated land excluding Fallow				Fallow Land		Net area sown	Total cropped area	Agri. Land/ Cultivable Land/ Culturable land/ Arable land/	Cropping Intensity (Col- 14/ Col- 13*100)	
					Land				Fallow lands other than current fallow	Current fallow					Total
					Perma- nent pastures & other grazing lands	Land under Misc. tree crops & groves not incl. in net area sown	Cultur- able waste land	Total							
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
JHARKHAND															
2013-14	7972	7970	2239	1274	114	98	353	565	1063	1445	2508	1384	1672	4343	120.8
2014-15	7972	7970	2239	1274	114	98	353	565	1122	1386	2507	1385	1554	4343	112.2
2015-16	7972	7970	2239	1302	116	100	363	579	1054	1411	2465	1386	1812	4313	130.7
KARNATAKA															
2013-14	19179	19050	3073	2230	906	281	411	1598	525	1700	2225	9923	12267	12840	123.6
2014-15	19179	19052	3073	2248	904	277	409	1590	525	1572	2097	10044	12247	12827	121.9
2015-16	19179	19050	3073	2269	907	276	409	1592	656	1453	2109	10006	12009	12800	120.0
KERALA															
2013-14	3886	3886	1082	526	0	3	97	100	57	71	128	2051	2617	2279	127.6
2014-15	3886	3886	1082	538	0	3	101	103	55	65	120	2043	2625	2266	128.5
2015-16	3886	3886	1082	554		3	99	102	55	70	125	2023	2628	2250	129.9
MADHYA PRADESH															
2013-14	30825	30756	8691	3507	1291	20	1008	2319	468	350	818	15422	24047	17267	155.9
2014-15	30825	30756	8694	3506	1303	20	1010	2333	483	388	871	15351	23810	17252	155.1
2015-16	30825	30756	8692	3511	1304	16	1017	2336	507	561	1068	15149	23714	17250	156.5
MAHARASHTRA*															
2013-14	30771	30758	5206	3184	1242	250	915	2407	1192	1401	2594	17368	23328	21127	134.3
2014-15	30771	30758	5201	3209	1249	249	919	2417	1188	1399	2587	17345	23474	21099	135.3
2015-16	30771	30758	5195	3252	1249	251	887	2388	1255	1477	2732	17192	23467	21062	136.5
MANIPUR*															
2013-14	2233	2111	1699	27	1	6	1	8	0	0	0	377	377	384	100.0
2014-15	2233	2117	1699	27	1	6	1	8	0	0	0	383	383	390	100.0
2015-16	2233	2172	1699	27	1	6	1	8	0	0	0	437	437	444	100.0
MEGHALAYA															
2013-14	2243	2241	946	239		164	391	555	155	60	215	286	343	1056	120.0
2014-15	2243	2242	946	240		165	390	555	155	60	215	286	343	1056	120.0
2015-16	2243	2192	946	238		164	386	549	153	60	213	245	303	1008	123.3
MIZORAM															
2013-14	2108	2093	1585	100	5	74	7	86	161	47	208	114	114	402	100.0
2014-15	2108	2039	1585	75	11	41	7	60	127	47	174	145	145	367	100.0
2015-16*	2108	2039	1585	75	11	41	7	60	127	47	174	145	188	367	130.2
NAGALAND															
2013-14	1658	1652	863	95		94	70	163	100	50	150	380	499	693	131.2
2014-15	1658	1652	863	95		92	68	161	99	50	149	384	500	694	130.3
2015-16	1658	1653	863	95		93	68	161	100	50	150	384	504	695	131.2
ODISHA															
2013-14	15571	15467	5814*	2332	524	216	575	1315	634	877	1511	4495	5168	6797	115.0
2014-15	15571	15518	5814*	2396	524	211	550	1285	631	918	1549	4474	5173	6784	115.6
2015-16	15571	15426	5814*	2430	535	217	550	1302	655	1028	1683	4198	4803	6648	114.4

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(Thousand Hectare)															
State/ Union- Territory/ Year	Geogra- phical Area	Reporting area for land utilisation statistics	Forest	Land not available for cultivation	Other uncultivated land excluding Fallow Land				Fallow Land		Net area sown	Total cropped area	Agri. Land/ Cultivable Land/ Culturable 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 fallow	Current fallow	Total				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
PUNJAB															
2013-14	5036	5033	258	550	5	8	6	19	6	55	60	4145	7848	4219	189.3
2014-15	5036	5033	256	542	5	8	14	28	6	83	89	4119	7857	4230	190.8
2015-16	5036	5033	256	528	5	9	16	30	6	77	82	4137	7872	4245	190.3
RAJASTHAN															
2013-14	34224	34267	2758	4274	1694	24	4000	5718	1847	1403	3250	18268	26120	25542	143.0
2014-15	34224	34267	2740	4343	1674	26	4038	5738	2069	1856	3925	17521	24235	25511	138.3
2015-16	34224	34267	2752	4340	1672	21	3895	5588	1966	1597	3563	18024	25014	25504	138.8
SIKKIM*															
2013-14	710	443	336	10		4	4	8	5	7	12	77	147	97	190.5
2014-15	710	443	336	10		4	4	8	5	7	12	77	136	97	176.0
2015-16	710	442	336	10		4	4	8	5	7	12	77	137	97	177.0
TAMIL NADU															
2013-14	13006	13033	2125	2678	110	245	328	683	1718	1115	2833	4714	5897	8120	125.1
2014-15	13006	13033	2125	2688	108	236	325	669	1734	998	2732	4819	5995	8112	124.4
2015-16	13006	13033	2157	2658	108	235	324	667	1729	989	2718	4833	6074	8110	125.7
TELANGANA															
2013-14	11487*	11484	2743	1510	302	114	178	593	717	960	1677	4961	6288	6929	126.7
2014-15	11231*	11208	2540	1492	299	112	183	593	805	1401	2206	4377	5315	6877	121.5
2015-16	11210*	11208	2540	1499	299	112	183	593	822	1578	2400	4175	4893	6870	117.2
TRIPURA															
2013-14	1049	1049	629	145	1	12	3	16	2	1	3	255	474	273	186.0
2014-15	1049	1049	629	146	1	11	3	15	2	1	3	255	483	272	189.3
2015-16	1049	1049	629	147	1	11	3	15	2	1	3	255	486	272	190.1
UTTARAKHAND															
2013-14	5348	5992	3800	450	192	389	317	898	86	57	143	701	1099	1550	156.8
2014-15	5348	5993	3800	452	192	388	317	897	86	57	144	700	1097	1549	156.7
2015-16	5348	5993	3800	453	192	388	318	898	86	57	143	698	1083	1547	155.0
UTTAR PRADESH															
2013-14	24093	24170	1658	3491	65	325	410	801	539	1135	1674	16546	25896	18955	156.5
2014-15	24093	24170	1659	3508	65	305	405	776	509	1122	1631	16598	26147	18939	157.5
2015-16	24093	24170	1666	3576	65	291	395	751	547	1161	1708	16469	26203	18863	159.1
WEST BENGAL															
2013-14	8875	8684	1174	1846	2	49	18	69	12	349	362	5234	9618	5662	183.8
2014-15	8875	8683	1173	1853	2	49	17	69	11	339	350	5238	9690	5655	185.0
2015-16	8875	8684	1174	1860	2	50	16	68	11	328	339	5243	9881	5648	188.5

contd..

(Thousand Hectare)															
State/ Union- Territory/ Year	Geogra- phical Area	Reporting area for land utilisation statistics	Forest	Land not available for cultivation	Other uncultivated land excluding Fallow Land					Fallow Land		Net area sown	Total cropped area	Agri. Land/ Cultivable Land/ Culturable 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 fallow	Current fallow	Total				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
ANDAMAN & NICOBAR ISLAND															
2013-14*	825	757	717	9	4	4	3	11	3	3	6	15	24	28	165.1
2014-15*	825	757	717	9	4	4	3	11	3	3	6	15	24	28	160.9
2015-16*	825	757	717	9	4	4	3	11	3	3	6	15	48	28	327.2
CHANDIGARH															
2013-14	11	7	0	5		0		0	0	0	0	1	2	1	154.3
2014-15	11	7	0	5		0		0	0	0	0	1	2	1	155.9
2015-16*	11	7	0	5		0		0	0	0	0	1	1	1	110.6
DADAR & NAGAR HAVELI															
2013-14	49	49	20	4	1		0	1	2	2	4	19	23	24	122.2
2014-15	49	49	20	4	1		0	1	2	2	4	19	23	24	122.7
2015-16	49	49	20	4	1		0	1	2	2	4	19	23	24	123.8
DAMAN & DIU															
2013-14	11	3		0		0	0	0	0	0	0	3	3	3	102.3
2014-15	11	3		0		0	0	0	0	0	0	3	3	3	102.3
2015-16	11	3		0		0	0	0	0	0	0	3	3	3	102.8
DELHI															
2013-14*	148	147	1	93	0	1	10	11	8	12	20	22	35	53	161.5
2014-15*	148	147	1	93	0	1	10	11	8	12	20	22	35	53	161.5
2015-16*	148	147	1	93	0	1	10	11	8	12	20	22	58	53	267.1
LAKSHADWEEP															
2013-14	3	3		1								2	3	2	135.7
2014-15	3	3		1								2	3	2	135.7
2015-16	3	3		1								2	2	2	107.1
PUDUCHERRY															
2013-14	48	49	0	19		1	5	6	3	6	8	15	25	30	163.8
2014-15	48	49	0	19		1	5	6	3	5	8	16	27	29	168.3
2015-16	48	49	0	19		1	4	5	3	5	8	15	26	29	170.8
ALL INDIA															
2013-14	328726	307797	71828	43855	10265	3186	12387	25837	10694	14157	24851	141426	200951	181849	142.1
2014-15	328726	307781	71756	43934	10262	3104	12416	25782	11090	15091	26181	140128	198378	181829	141.6
2015-16	328726	307752	71866	44022	10261	3093	12286	25639	11308	15410	26718	139506	197054	181603	141.3

Source : Directorate of Economics & Statistics, DAC&FW

'0' relates to the area below 500 hectares.

*The figures related to area under forest are taken from latest "State of Forest Report," of the Forest Survey of India, Dehradun. The other categories of land use, net irrigated area, gross irrigated area, net area sown and area under crops as the case may be, are taken from latest Agriculture Census or are estimated based on latest available year data received from the States/UTs respectively.

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

('000 Hectare)

S. 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	7.69	23.55	7.71	4.48	26.84
2	Assam	262.63	96.23	162.32	1.99	4.53	4.92	7.90	7.47	8.20	3.65	3.95	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	2.90	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	967.15	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	9.18	5.03	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	76.51	199.55	259.75	226.35	533.14	445.36	388.69	444.81	519.15	622.09

contd..

S. No. State		Potential Created under AIBP during													(⁰⁰⁰ Hectare)
															Potential Created under AIBP upto March 2019
		2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	
(1)	(2)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)
1	Andhra Pradesh	24.44	63.43	21.94	10.07	60.13	12.59	4.08	3.79	0.00	29.11	11.89	10.41	2.00	330.79
2	Assam	2.80	4.49	7.75	10.87	6.15	4.00	0.45	8.00	0.50	0.00	28.28	0.00	1.20	123.89
3	Bihar	45.27	6.40	10.00	0.47	0.00	0.00	0.00	3.68	0.00	0.00	10.31	0.40	0.20	478.28
4	Chhattisgarh	11.94	15.82	18.86	10.21	2.83	9.83	11.80	5.00	3.51	1.11	6.66	9.96	0.00	208.65
5	Goa	0.41	4.89	1.50	0.53	0.80	0.17	1.26	1.16	0.00	0.00	0.05	0.00	0.20	20.70
6	Gujarat	81.84	68.20	20.89	25.66	28.89	21.27	128.20	274.78	162.64	185.91	116.50	312.18	98.60	1868.36
7	Haryana	10.09	0.00	0.00	0.00	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	0.00	0.00	0.00	37.50
9	Jammu & Kashmir	1.19	4.52	4.74	4.38	8.91	10.15	4.59	4.25	0.54	1.00	0.00	0.00	0.00	58.80
10	Jharkhand	0.50	0.00	0.00	0.51	1.66	0.00	4.30	23.83	0.00	0.00	79.19	0.00	0.00	121.61
11	Karnataka	76.05	18.75	6.45	32.74	24.71	28.80	8.02	21.33	30.34	88.41	24.62	81.00	6.90	843.23
12	Kerala	2.71	0.96	0.12	1.63	2.64	7.55	1.99	1.87	0.09	0.47	0.07	0.24	0.80	51.19
13	Madhya Pradesh	18.10	79.41	48.87	35.52	89.73	82.55	99.08	82.77	90.66	52.00	73.74	72.28	16.20	964.04
14	Maharashtra	66.89	89.26	65.33	70.78	34.79	41.54	26.39	20.30	21.90	24.26	67.11	31.49	74.10	840.61
15	Manipur	5.00	5.92	4.14	1.80	4.00	0.10	4.00	1.20	2.60	2.00	4.00	3.24	2.40	40.40
16	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
17	Odisha	4.61	14.40	10.73	27.66	36.21	20.31	6.76	11.14	6.44	7.26	5.42	17.61	13.10	305.63
18	Punjab	8.18	4.80	27.44	12.89	25.00	0.00	1.00	0.00	0.00	2.89	0.00	0.00	0.00	201.22
19	Rajasthan	62.45	129.47	54.00	49.00	396.03	13.01	12.80	11.45	1.77	6.28	0.00	7.05	0.10	1161.02
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	0.00
21	Telangana	30.08	25.47	60.32	9.31	8.09	25.85	20.07	54.96	7.12	69.22	20.11	84.12	9.70	629.57
22	Tripura	3.01	1.73	1.27	4.27	0.51	0.00	0.22	0.00	0.00	0.00	0.00	0.00	0.00	16.81
23	Uttar Pradesh	88.62	75.67	105.18	37.35	175.33	67.95	82.05	98.62	9.11	63.78	67.40	61.13	384.90	2216.24
24	Uttarakhand	0.00	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	0.00	0.00	0.00	147.50
Total		550.01	631.47	478.50	354.97	926.67	377.12	423.93	635.40	337.20	533.70	515.35	691.11	610.40	10781.24

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

Note: Data of projects under AIBP have been reconciled by CWC with States and some updation in the previous years figures have been made.

Table 13.7 State-wise Area Covered under Micro Irrigation (as on 31.03.2019)

				(Hectare)
S.No.	State	Drip	Sprinkler	Total
(1)	(2)	(3)	(4)	(5)
1	Andhra Pradesh	1295658	489560	1785218
2	Arunachal Pradesh	613	0	613
3	Assam	373	2448	2821
4	Bihar	10502	104998	115500
5	Chhattisgarh	24751	291521	316272
6	Goa	1186	1129	2315
7	Gujarat	723222	698692	1421914
8	Haryana	32758	572622	605380
9	Himachal Pradesh	5389	4323	9712
10	Jammu & Kashmir	23	57	80
11	Jharkhand	20633	15757	36390
12	Karnataka	658171	863322	1521493
13	Kerala	23610	8683	32293
14	Madhya Pradesh	313887	242733	556620
15	Maharashtra	1199963	505365	1705328
16	Manipur	358	30	388
17	Meghalaya	308	307	615
18	Mizoram	3064	1364	4428
19	Nagaland	444	5005	5449
20	Odisha	24786	97944	122730
21	Punjab	35593	13195	48788
22	Rajasthan	245301	1645431	1890732
23	Sikkim	6044	3042	9086
24	Tamil Nadu	487511	188140	675651
25	Telangana	191722	70569	262291
26	Tripura	444	1651	2095
27	Uttar Pradesh	25583	128530	154113
28	Uttarakhand	7078	5041	12119
29	West Bengal	964	65723	66687
30	Others	15169	30636	45805
Total		5355108	6057818	11412926

Source : Department of Agriculture, Cooperation & Farmers Welfare

14

Inputs

14.1 : Production and Use of Agricultural Inputs in India

Programme	Unit	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1. Seeds										
(i) Production of Breeder Seeds	Thousand Qtls.	45.54	48.42	61.82	68.46	68.64	73.83	91.96	94.41	102.00
(ii) Production of Foundation Seeds	Lakh Qtls.	5.44	6.14	6.50	6.90	7.40	7.96	8.25	9.62	11.46
(iii) Distribution of Certified/Quality Seeds	Lakh Qtls.	91.80	98.03	108.59	120.26	126.75	155.01	179.05	215.81	257.11
2. Consumption of Chemical Fertilisers										
Nitrogenous (N)	Thousand Tonnes	11310	10474	11076	11714	12723	13774	14419	15090	15580
Phosphatic(P)	Thousand Tonnes	4382	4019	4124	4624	5204	5543	5515	6506	7274
Potassic(K)	Thousand Tonnes	1667	1601	1598	2060	2413	2335	2636	3313	3632
Total (N+P+K)	Thousand Tonnes	17360	16094	16798	18398	20340	21651	22570	24909	26486
Per Hectare *	Kgs	92.33	92.55	88.57	96.27	105.53	112.55	115.27	127.53	140.15
3. Consumption of Pesticides (Technical Grade Material)										
	Thousand Tonnes	47.02	48.35	41.02	40.67	39.77	43.41	41.64	43.86	41.82

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Programme	Unit	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19
(1)	(2)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
1. Seeds										
(i) Production of Breeder Seeds	Thousand Qtls.	118.85	123.38	110.20	82.29	86.21	90.37	110.71	105.08	104.26
(ii) Production of Foundation Seeds	Lakh Qtls.	18.06	22.26	16.17	17.43	15.76	14.95	22.09	19.54	18.00
(iii) Distribution of Certified/Quality Seeds	Lakh Qtls.	277.34	294.85	313.44	301.39	303.12	304.04	348.58	352.01	320.41
2. Consumption of Chemical Fertilisers										
Nitrogenous (N)	Thousand Tonnes	16558	17300	16821	16750	16946	17372	16735	16958	17628
Phosphatic(P)	Thousand Tonnes	8050	7914	6653	5633	6098	6979	6705	6854	6968
Potassic(K)	Thousand Tonnes	3514	2576	2062	2099	2532	2402	2508	2779	2779
Total (N+P+K)	Thousand Tonnes	28122	27790	25536	24482	25576	26753	25949	26591	27375
Per Hectare	Kgs	142.52	142.33	130.79	125.39	127.45	131.84	124.41	127.88	133.12
3. Consumption of Pesticides (Technical Grade Material)										
Pesticides (Technical Grade Material)	Thousand Tonnes	55.54	52.98	45.62	60.28	56.12	58.22	52.76	62.18	53.45(P)

Source: Department of Agriculture, Cooperation & Farmers Welfare
P-Provisional

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
2016-17	16735.4	6705.4	2508.3	25949.2
2017-18	16958.0	6854.1	2778.8	26590.9
2018-19	17628.2	6967.9	2779.1	27375.2

Source: Department of Agriculture, Cooperation & Farmers Welfare

Note: Figures upto 1982-83 relate to Feb.-Jan. and onwards to Apr-Mar.

14.3 : Consumption, Production and Import of Fertilisers

Year	Consumption				Production				Imports				(Lakh Tonnes)
													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)
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	*
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
2016-17	167.35	67.05	25.08	259.49	133.54	45.95	0.00	179.49	33.85	21.30	23.25	78.40	7024.32
2017-18	169.58	68.54	27.79	265.91	133.83	47.23	0.00	181.06	35.88	20.47	28.95	85.30	8350.94
2018-19	176.28	69.68	27.79	273.75	133.44	45.94	0.00	179.38	47.01	31.67	26.29	104.97	-

Source : Department of Fertilizers and Department of Agriculture, Cooperation & Farmers Welfare

* There was no import of Urea in 2000-01, 2002-03 and 2003-04 in Government account.

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.

14.4 (a): State-wise Consumption of Fertilisers in Terms of Nutrients (N, P & K)

(Thousand Tonnes)

S. No.	State/Zone	2016-17				2017-18				2018-19			
		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)
South Zone													
1	Andhra Pradesh	982.87	479.19	224.9	1686.96	919.68	423.41	220.93	1564.02	927.21	426.79	202.35	1556.35
2	Telangana	926.2	320.66	125.06	1371.92	896.73	349.04	145.97	1391.74	888.27	343.14	114.50	1345.91
3	Karnataka	876.26	510.73	241.23	1628.22	878.19	459.31	257.78	1595.28	936.35	536.19	307.05	1779.59
4	Kerala	78.58	43.19	58.65	180.42	138.21	43.30	60.47	241.98	73.11	40.80	67.88	181.79
5	Tamil Nadu	513.76	231.66	163.03	908.45	528.65	208.98	182.32	919.95	555.89	275.48	297.93	1129.30
6	Puducherry	7.56	1.5	1.37	10.43	7.56	1.50	1.37	10.43	6.49	1.34	1.23	9.06
7	A&N Islands	0.59	0.63	0.38	1.60	0.31	0.35	0.22	0.88	0.39	0.32	0.12	0.83
8	Lakshadweep	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	SZ TOTAL	3385.82	1587.56	814.62	5788.00	3369.33	1485.89	869.06	5724.28	3387.71	1624.06	991.06	6002.83
West Zone													
9	Gujarat	1143.49	340.06	120.9	1604.45	1289.06	416.14	136.37	1841.57	1135.00	345.00	118.00	1598.00
10	Madhya Pradesh	1272.09	617.81	92	1981.90	1262.99	654.85	98.09	2015.93	1440.39	742.94	101.63	2284.96
11	Chhattisgarh	388.95	220.99	63.41	673.35	330.08	169.00	51.38	550.46	312.52	177.68	63.32	553.52
12	Maharashtra	1542.22	799.41	464.5	2806.13	1509.55	880.41	553.58	2943.54	1404.43	838.95	526.80	2770.18
13	Rajasthan	998.28	340.71	15.69	1354.68	862.32	316.60	25.04	1203.96	1076.82	408.34	39.50	1524.66
14	Goa	2.23	1.37	0.97	4.57	1.66	1.31	0.95	3.92	1.61	1.24	0.84	3.69
15	Daman & Diu	0.14	0.01	0.01	0.16	0.14	0.00	0.00	0.14	0.14	0.01	0.00	0.15
16	D&N Haveli	0.69	0.48	0	1.17	0.30	0.21	0.00	0.51	0.15	0.08	0.00	0.23
	WZ TOTAL	5348.09	2320.84	757.48	8426.41	5256.10	2438.52	865.41	8560.03	5371.06	2514.24	850.09	8735.39
North Zone													
17	Haryana	1008.2	291.83	42.82	1342.85	1049.27	280.27	46.21	1375.75	1101.36	302.21	48.68	1452.25
18	Punjab	1396.63	369.73	52.18	1818.54	1324.22	298.89	51.34	1674.45	1388.47	329.55	41.89	1759.91
19	Uttar Pradesh	2890.09	1133.51	237.51	4261.11	3224.29	1191.64	239.07	4655.00	3480.82	1051.16	189.77	4721.75
20	Uttarakhand	163.67	29.17	9.28	202.12	150.16	24.61	7.95	182.72	132.77	27.01	9.67	169.45
21	Himachal Pr.	34.56	10.65	11.28	56.49	36.60	9.78	11.19	57.57	36.27	11.22	10.18	57.67
22	J & K	71.63	29.51	15.52	116.66	81.40	30.59	22.69	134.68	73.45	29.05	15.04	117.54
23	Delhi	7.57	0.32	0.00	7.89	5.87	1.55	0.16	7.58	9.80	1.21	0.00	11.01
24	Chandigarh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	NZ TOTAL	5572.35	1864.72	368.59	7805.66	5871.81	1837.33	378.61	8087.75	6222.94	1751.41	315.23	8289.58
East Zone													
25	Bihar	1053	308.85	146.72	1508.57	1113.22	386.24	158.11	1657.57	1187.70	395.57	148.45	1731.72
26	Jharkhand	114.51	31.93	2.5	148.94	92.53	70.61	14.64	177.78	127.59	48.33	6.14	182.06
27	Orissa	302.43	130.89	61.02	494.34	325.05	140.37	71.51	536.93	349.82	152.35	74.76	576.93
28	West Bengal	779.51	412.21	310.31	1502.03	746.79	436.10	368.06	1550.95	770.71	427.98	336.61	1535.30
	EZ TOTAL	2249.45	883.88	520.55	3653.88	2277.59	1033.32	612.32	3923.23	2435.82	1024.23	565.96	4026.01
North East Zone													
29	Assam	153.51	37.62	39.84	230.97	156.78	50.10	45.00	251.88	193.32	46.61	50.15	290.08
30	Tripura	14.16	7.17	4.78	26.11	9.17	3.23	3.31	15.71	0.00	0.00	0.00	0.00
31	Manipur	8.6	2.36	1.6	12.56	11.28	4.82	4.56	20.66	12.78	6.03	5.37	24.18
32	Meghalaya	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33	Nagaland	1.25	0.85	0.54	2.64	1.26	0.84	0.56	2.66	0.00	0.00	0.00	0.00
34	Arunachal Pr.	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35	Mizoram	2.21	0.4	0.31	2.92	4.70	0.00	0.00	4.70	4.58	1.36	1.19	7.13
36	Sikkim	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	NE TOTAL	179.73	48.40	47.07	275.20	183.19	58.99	53.43	295.61	210.68	54.00	56.71	321.39
	ALL INDIA	16735.44	6705.40	2508.31	25949.15	16958.02	6854.05	2778.83	26590.90	17628.21	6967.94	2779.05	27375.20

Source: Department of Agriculture, Cooperation & Farmers Welfare

14.4 (b): State-wise Estimated Consumption of Fertiliser (N,P&K) per Hectare

(Kg./Hectare)

S. No.	State/Zone	2016-17				2017-18				2018-19			
		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)
South Zone													
1	Andhra Pradesh	108.55	52.92	24.84	186.31	108.67	50.03	26.11	184.80	103.26	47.53	22.53	173.32
2	Telangana	170.50	59.03	23.02	252.56	162.99	63.44	26.53	252.96	161.89	62.54	20.87	245.29
3	Karnataka	89.72	52.29	24.70	166.72	90.53	47.35	26.58	164.46	96.40	55.20	31.61	183.22
4	Kerala	15.28	8.40	11.40	35.07	27.20	8.52	11.90	47.62	14.63	8.16	13.58	36.38
5	Tamil Nadu	91.04	41.05	28.89	160.97	85.88	33.95	29.62	149.45	91.77	45.48	49.18	186.43
6	Puducherry	209.65	41.60	37.99	289.24	194.90	38.67	35.32	268.88	163.23	33.70	30.94	227.87
7	A&N Islands	12.76	13.63	8.22	34.61	7.06	7.97	5.01	20.03	7.58	6.22	2.33	16.13
8	Lakshadweep												
Average (South Zone)		96.40	45.20	23.19	164.79	96.31	42.47	24.84	163.62	95.90	45.97	28.05	169.93
West Zone													
8	Gujarat	91.21	27.12	9.64	127.98	101.31	32.70	10.72	144.73	96.22	29.25	10.00	135.47
9	Madhya Pradesh	51.12	24.83	3.70	79.64	51.37	26.63	3.99	81.99	56.92	29.36	4.02	90.29
10	Chhattisgarh	59.27	33.67	9.66	102.61	52.02	26.64	8.10	86.76	48.72	27.70	9.87	86.29
11	Maharashtra	63.07	32.69	19.00	114.75	63.56	37.07	23.31	123.94	63.86	38.14	23.95	125.95
12	Rajasthan	38.27	13.06	0.60	51.93	33.95	12.46	0.99	47.40	42.90	16.27	1.57	60.75
13	Goa	70.57	43.35	30.70	144.62	16.55	13.06	9.47	39.08	15.92	12.26	8.30	36.48
14	Daman & Diu	36.08	2.58	2.58	41.24	35.90	0.00	0.00	35.90	35.99	2.57	0.00	38.56
15	D&N Haveli	43.13	30.00	0.00	73.13	18.66	13.06	0.00	31.72	9.05	4.83	0.00	13.88
Average (West Zone)		56.55	24.54	8.01	89.10	56.56	26.24	9.31	92.12	59.20	27.71	9.37	96.28
North Zone													
16	Haryana	155.19	44.92	6.59	206.70	162.34	43.36	7.15	212.85	170.23	46.71	7.52	224.46
17	Punjab	178.63	47.29	6.67	232.59	169.08	38.16	6.56	213.79	177.11	42.04	5.34	224.49
18	Uttar Pradesh	104.65	41.04	8.60	154.29	116.52	43.06	8.64	168.22	125.39	37.87	6.84	170.09
19	Uttarakhand	137.13	24.44	7.77	169.34	124.96	20.48	6.62	152.05	110.25	22.43	8.03	140.71
20	Himachal Pradesh	37.55	11.57	12.26	61.38	40.19	10.74	12.29	63.22	39.82	12.32	11.18	63.32
21	Jammu & Kashmir	37.55	15.47	8.14	61.16	42.74	16.06	11.91	70.72	38.66	15.29	7.92	61.87
22	Delhi	73.42	3.10	0.00	76.53	59.64	15.75	1.63	77.01	99.69	12.31	0.00	112.00
23	Chandigarh												
Average (North Zone)		120.99	40.49	8.00	169.48	127.42	39.87	8.22	175.50	134.75	37.92	6.83	179.50

Contd..

(Kg./Hectare)													
S. No.	State/Zone	2016-17				2017-18				2018-19			
(1)	(2)	N	P	K	Total	N	P	K	Total	N	P	K	Total
(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
East Zone													
24	Bihar	137.43	40.31	19.15	196.88	143.06	49.64	20.32	213.02	155.89	51.92	19.49	227.30
25	Jharkhand	33.53	9.35	0.73	43.62	26.32	20.09	4.16	50.58	41.90	15.87	2.02	59.79
26	Odisha	38.29	16.57	7.73	62.59	41.57	17.95	9.15	68.67	42.80	18.64	9.15	70.59
27	West Bengal	82.14	43.44	32.70	158.28	78.45	45.81	38.67	162.94	80.88	44.91	35.32	161.12
Average (East Zone)		79.02	31.05	18.29	128.36	79.54	36.09	21.38	137.01	85.87	36.11	19.95	141.93
North East Zone													
28	Assam	49.60	12.16	12.87	74.63	39.52	12.63	11.34	63.49	49.11	11.84	12.74	73.69
29	Tripura	25.04	12.68	8.45	46.18	16.02	5.64	5.78	27.44	0.00	0.00	0.00	0.00
30	Manipur	23.74	6.52	4.42	34.67	31.69	13.54	12.81	58.04	36.12	17.04	15.18	68.34
31	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
32	Nagaland												
33	Arunachal Pradesh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
34	Mizoram	17.32	3.13	2.43	22.88	36.83	0.00	0.00	36.83	35.89	10.66	9.33	55.88
35	Sikkim												
Average (NEZ)		41.30	11.12	10.82	63.24	34.47	11.10	10.05	55.63	41.86	10.73	11.27	63.85
All India (Average)		80.24	32.15	12.03	124.41	81.55	32.96	13.36	127.88	85.72	33.88	13.51	133.12

Source : Department of Agriculture, Cooperation & Farmers Welfare

Note: Estimates of Gross Cropped Area are based on the data from respective State Governments.

14.5(a): Fertiliser Consumption per Hectare of Agricultural Land in Selected Countries

Continent/Country	(Kg./Hectare)							
	2016				2017			
	N	P ₂ O ₅	K ₂ O	Total	N	P ₂ O ₅	K ₂ O	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Africa								
Egypt	342.8	60.0	19.6	422.4	351.6	70.8	21.3	443.7
Morocco	6.3	5.0	1.3	12.5	8.2	5.2	1.1	14.5
South Africa	3.4	2.4	1.3	7.1	4.9	2.8	1.4	9.1
America								
North America								
Canada	41.2	16.3	7.2	64.7	45.3	18.7	7.3	71.3
USA	31.5	11.0	12.9	55.5	31.8	12.5	12.9	57.2
Latin America and the Caribbean								
Brazil	18.6	21.1	24.3	64.0	18.6	21.7	24.8	65.1
Chile	12.6	7.9	6.2	26.7	12.3	7.4	6.4	26.2
Mexico	14.9	3.5	2.6	20.9	14.7	3.7	3.0	21.3
Asia								
Bangladesh	131.5	68.2	51.0	250.7	135.6	71.3	51.5	258.4
China, Main	50.3	24.0	18.1	92.4	46.6	22.9	18.6	88.1
India	93.1	37.3	14.0	144.4	94.4	38.1	15.5	148.0
	(84.5)	(33.8)	(12.7)	(131.0)	(85.6)	(34.6)	(14.0)	(134.2)
Indonesia	53.7	19.8	26.6	100.0	55.7	22.4	32.3	110.5
Japan	85.1	76.0	69.3	230.4	87.6	79.8	69.1	236.5
Rep. of Korea	205.9	77.1	156.0	439.1	199.5	80.5	171.9	452.0
Malaysia	52.8	36.2	146.5	235.6	51.0	42.5	162.0	255.5
Myanmar	18.1	4.4	2.7	25.1	23.4	8.3	4.6	36.3
Nepal	25.3	10.6	0.4	36.3	28.1	14.0	0.5	42.6
Pakistan	101.4	34.5	1.1	137.0	92.9	34.6	1.4	128.9
Sri Lanka	55.0	11.5	18.8	85.2	44.0	8.8	19.4	72.2
Thailand	55.4	24.8	23.3	103.5	53.3	23.3	21.4	97.9
Turkey	49.5	20.7	3.1	73.2	47.1	19.8	3.3	70.2
Vietnam	132.3	63.6	47.7	243.6	131.3	65.8	52.7	249.7
Europe								
Belarus	52.0	13.1	47.9	113.0	63.7	13.4	39.0	116.1
Denmark	86.2	12.9	24.8	123.9	84.1	12.5	24.7	121.3
France	78.0	12.5	13.6	104.1	78.1	14.8	15.5	108.4
Germany	99.6	13.9	25.8	139.3	89.7	12.7	23.5	125.9
Netherlands	112.5	9.8	37.3	159.6	112.5	7.0	37.4	156.9
Poland	80.1	23.9	38.8	142.8	81.5	22.8	38.7	142.9
Russian Fedn.	9.8	3.2	1.5	14.5	9.3	3.4	1.4	14.0
Spain	38.8	16.4	14.8	70.1	40.8	16.1	16.0	72.9
Ukraine	40.2	9.3	8.8	58.4	49.4	10.9	9.9	70.2
UK	59.9	11.3	15.9	87.1	59.4	11.0	15.6	85.9
Oceania								
Australia	4.4	2.6	0.7	7.8	3.7	2.2	0.6	6.6
New Zealand	41.6	29.4	13.8	84.8	43.0	31.8	14.5	89.3
World	22.6	9.6	7.6	39.8	22.3	9.8	7.8	39.9

Source: Fertiliser Statistics - 2018-19, The Fertiliser Association of India, New Delhi.

Notes:

1. Data for Agricultural Land is for the year 2014.

2. Figures in parentheses indicate fertiliser consumption per hectare of Gross Cropped Area (GCA).

3. Data for GCA pertain to 2015-16

14.5(b): Fertiliser Consumption per Hectare of Arable Land and Land under Permanent Crops in Selected Countries

(Kg./Hectare)

Continent/Country	2016				2017			
	N	P ₂ O ₅	K ₂ O	Total	N	P ₂ O ₅	K ₂ O	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Africa								
Egypt	342.8	60.0	19.6	422.4	351.6	70.8	21.3	443.7
Morocco	20.7	16.5	42.0	41.3	26.5	16.9	3.4	46.8
South Africa	26.3	18.9	10.1	55.3	37.9	21.6	1.0	70.4
America								
North America								
Canada	61.7	24.5	10.8	97.0	68.2	28.2	10.9	107.2
USA	80.1	28.1	32.8	141.0	80.4	31.5	32.6	144.5
Latin America and the Caribbean								
Brazil	69.2	78.8	90.8	238.9	69.1	80.9	92.4	242.3
Chile	114.7	72.4	56.8	243.8	112.0	67.7	58.3	238.0
Mexico	62.9	14.7	10.9	88.6	59.2	14.7	12.0	85.8
Asia								
Bangladesh	140.7	73.0	54.6	268.2	145.1	76.2	55.1	276.5
China, Main	196.6	94.0	71.0	361.6	182.2	89.7	72.7	344.6
India	98.8	39.6	14.8	153.1	100.1	40.4	16.4	156.9
	(84.5)	(33.8)	(12.7)	(131.0)	(85.6)	(34.6)	(14.0)	(134.2)
Indonesia	65.7	24.2	32.5	122.4	67.7	27.3	39.3	134.2
Japan	85.1	76.0	69.3	230.4	87.6	79.8	69.1	236.5
Rep. of Korea	213.0	79.8	161.4	454.3	206.4	83.3	177.9	467.6
Malaysia	54.6	37.5	151.5	243.6	52.8	44.0	167.5	264.3
Myanmar	18.5	4.5	2.8	25.7	23.9	8.5	4.7	37.2
Nepal	44.8	18.8	0.6	64.3	49.9	24.8	0.9	75.5
Pakistan	117.3	39.9	1.3	158.5	107.5	40.0	1.6	149.0
Sri Lanka	65.5	13.7	22.3	101.5	52.4	10.5	23.1	86.0
Thailand	57.5	25.7	24.2	107.4	55.3	24.1	22.2	101.6
Turkey	80.0	33.4	5.0	118.4	76.5	32.2	5.4	114.0
Vietnam	139.7	67.1	50.4	257.2	138.6	69.5	55.6	263.7
Europe								
Belarus	76.6	19.2	70.6	166.4	92.6	19.5	56.7	168.8
Denmark	94.3	14.2	27.1	135.6	92.3	13.8	27.1	133.2
France	115.8	18.6	20.2	154.5	115.2	21.9	22.8	159.9
Germany	138.6	19.4	36.0	194.0	125.0	17.8	32.7	175.5
Netherlands	189.5	16.5	62.9	268.9	187.3	11.6	62.3	261.3
Poland	102.8	30.7	49.7	183.3	104.3	29.2	49.5	183.0
Russian Fedn.	17.2	5.7	2.6	25.4	16.2	6.0	2.4	24.6
Spain	59.8	25.4	22.9	108.1	63.2	24.9	24.7	112.9
Ukraine	49.6	11.5	10.9	72.0	60.9	13.4	12.2	86.5
UK	171.3	32.3	45.3	248.8	169.2	31.3	44.4	244.8
Oceania								
Australia	49.8	29.3	8.4	87.5	44.9	26.3	7.5	78.7
New Zealand	687.0	485.9	228.1	1,400.9	710.2	525.3	239.8	1,475.3
World	69.8	29.6	23.5	122.9	69.1	30.3	24.3	123.6

Source : Fertiliser Statistics - 2018-19, The Fertiliser Association of India, New Delhi.

Notes:

1. Data for Arable Land and Land Under Permanent Crops is for the year 2014.
2. Figures in parentheses indicate Fertiliser consumption per hectare of Gross Cropped Area (GCA).
3. Data for GCA pertain to 2015-16

14.6 (a): Application of Fertilisers on Paddy and Wheat in India

(Quantity in Kgs.)														
Particulars	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
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	0.87	0.83	0.79	0.70
(b)1 kg of P ₂ O ₅														
- as SSP	2.85	2.72	2.27	2.36	2.13	2.00	1.85	3.50	3.16	3.50	3.32	3.07	2.93	2.77
	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	2.94	2.81	3.09
						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	NA	NA	NA
	to	to	to			to								
	5.21	4.79	3.99			3.00								
(c) 1 kg of K ₂ O	1.30	1.20	1.00	0.83	0.74	0.84	0.93	2.27	2.04	2.02	1.89	1.25	1.29	1.52
							to							
							1.86							
II. Wheat														
Quantity of Wheat 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	0.80	0.75	0.70	0.66
(b)1 kg of P ₂ O ₅														
- as SSP	2.32	2.25	1.69	1.97	1.93	1.71	1.56	3.24	2.96	3.28	3.07	2.78	2.62	2.63
	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	2.66	2.51	2.94
							to							
							3.08							
- as complex	2.51	2.34	1.76	1.50	1.47	1.72	NA	NA	NA	NA	NA	NA	NA	NA
	to	to	to			to								
	4.25	3.96	2.97			2.56								
(c) 1 kg of K ₂ O	1.06	0.99	0.74	0.69	0.68	0.72	0.78	2.10	1.91	1.90	1.75	1.13	1.15	1.45
							to							
							1.57							

Source : Fertiliser Statistics - 2018-19, The Fertiliser Association of India, New Delhi.

14.6 (b) State-wise Status of Soil Health Card Scheme- Cycle-I (2015 to 2017)

(Status as on 03.12.2019)

S.No.	State/UTs	Cumulative Target for Soil Samples Collection & Testing during Cycle-I (2015-16 & 2016-17)	No. of Samples Collected (Cycle-I)	No. of Samples Tested (Cycle-I)	Cumulative Target for Printing & Distribution of SHCs for Cycle-I (2015-16 & 2016-17)	No. of SHCs Distributed (Cycle-I)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Group - I						
1	Uttar Pradesh **	4770399	4770399	4770399	17014573	17014573
2	Maharashtra	2347121	2347121	2347121	12977232	12977232
3	Madhya Pradesh *	2313977	2313977	2313977	8872377	8872377
4	Rajasthan *	2308013	2308013	2308013	6886000	6886000
Group - II						
1	Karnataka *	1665765	1665765	1665765	7832189	7832189
2	Gujarat *	1589236	1589236	1589236	5108923	5108923
3	Andhra Pradesh	1348382	1348382	1348382	7455204	7455204
4	Bihar *	1308778	1308778	1308778	6469650	6469650
5	West Bengal *	1300349	1300349	1300349	5040510	5040510
6	Tamil Nadu *	1274536	1274536	1274536	7000000	7000000
7	Telangana	1034678	1034678	1034678	5720737	5720737
Group - III						
1	Punjab *	835526	835526	835526	1251726	1251726
2	Haryana *	788670	788670	788670	4227238	4227238
3	Chhattisgarh	703691	703691	703691	3890709	3890709
4	Odisha *	668635	668635	668635	2374233	2374233
Group - IV						
1	Kerala	127585	127585	127585	763435	763435
2	Goa *	25000	25000	25000	25000	25000
3	Uttarakhand	135738	135738	135738	750494	750494
4	Himachal Pradesh	69635	69635	69635	385011	385011
5	J & K *	160687	160687	160687	692062	692062
6	Jharkhand	115302	115302	115302	637507	637507
7	Arunachal Pradesh *	20532	20532	20532	20532	20532
8	Assam*	278707	278707	278707	1300901	1300901
9	Manipur	20713	20713	20713	114522	114522
10	Meghalaya *	39372	39372	39372	209561	209561
11	Mizoram	11986	11986	11986	11986	11986
12	Nagaland	33423	33423	33423	184797	184797
13	Sikkim *	13217	13217	13217	46000	46000
14	Tripura *	32736	32736	32736	117723	117723
15	Delhi	0	0	0	0	0
Union Territories						
1	Andaman & Nicobar *	1405	1405	1405	10000	10000
2	Dadra and Nagar Haveli *	2222	2222	2222	2222	2222
3	Puducherry	3530	3530	3530	19594	19594
Total		25349546	25349546	25349546	107412648	107412648

Source : Department of Agriculture, Cooperation & Farmers Welfare

* As per changed targets by States

** State that revised target twice

14.6 (c):State-wise Status of Soil Health Card Scheme- Cycle-II (2017 to 2019)

(Status as on 03.12.2019)

S.No.	State/UTs	Cumulative Target for Soil Samples Collection & Testing during Cycle-II (2017-18 & 2018-19)	No. of Samples Collected (Cycle II)	No. of Samples Tested (Cycle- II)	Cumulative Target for Printing & Distribution of SHCs for Cycle-II (2017-18 & 2018-19)	No. of SHCs Distributed (Cycle-II)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Group - I						
1	Uttar Pradesh	4867442	4867442	4867442	23325456	19811962
2	Maharashtra*	2851525	2801485	2792042	13098115	13067735
3	Madhya Pradesh	2315844	2315844	2315844	8872453	8907385
4	Rajasthan*	2865039	2865039	2865039	10431793	11534294
Group - II						
1	Karnataka	1665766	1665766	1665766	7832189	7832189
2	Gujarat	1684207	1684207	1684207	7897106	8694936
3	Andhra Pradesh	1357706	1357706	1357706	6967162	6967162
4	Bihar	1308778	1184076	1149690	7236232	6014101
5	West Bengal	1300349	1300349	1167860	5100000	3947850
6	Tamil Nadu	1300037	1300037	1300037	6974843	6974843
7	Telangana	960614	960614	954453	4976924	3471172
Group - III						
1	Punjab	835526	835526	835526	1052554	1160568
2	Haryana	1245100	1245100	1245100	4540969	3543003
3	Chhattisgarh	949334	949334	949334	4746670	4746670
4	Odisha	668636	622388	579383	3343180	1363921
Group - IV						
1	Kerala*	173980	173430	141454	2350000	2251280
2	Goa	20000	12000	12000	20000	12000
3	Uttarakhand*	137019	137019	137019	882028	882028
4	Himachal Pradesh	100000	100000	100000	960765	960765
5	J & K	165292	165292	147853	1449398	101851
6	Jharkhand	115302	102788	76164	637508	255391
7	Arunachal Pradesh	22128	14722	8005	44256	55
8	Assam	284778	284778	284778	1300901	1300901
9	Manipur	20714	20714	20714	114522	55550
10	Meghalaya	39372	39372	39372	215235	236400
11	Mizoram*	11986	11986	11986	14974	14974
12	Nagaland*	24995	16712	16712	178411	12000
13	Sikkim	15243	11600	10109	66000	21470
14	Tripura	32736	32736	32736	117723	117723
15	Delhi	1600	860	860	1600	860
Union Territories						
1	Andaman & Nicobar*	11804	11804	11804	11804	8970
2	Dadra and Nagar Haveli	2838	2816	0	12000	0
3	Puducherry	7060	7060	5747	12000	7074
Total		27362750	27100602	26786742	124784771	115193283

Source: Department of Agriculture, Cooperation & Farmers Welfare

*As per changed distribution target set by State

14.7(a): Crop-wise Requirement and Availability of Certified/Quality Seeds

(Lakh Quintals)

Year	2016-17				2017-18				2018-19			
	Require- ment	Availability			Require- ment	Availability			Require- ment	Availability		
Crop Name		Public	Private	Total		Public	Private	Total		Public	Private	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Wheat	117.55	61.67	74.91	136.58	121.26	55.40	94.37	149.77	122.73	49.17	89.78	138.96
Paddy	87.74	63.14	37.33	100.47	89.50	52.47	51.60	104.07	82.61	47.87	47.89	95.77
Ragi	0.34	0.43	0.13	0.56	0.30	0.35	0.13	0.47	0.30	0.45	0.07	0.52
Barley	2.44	0.58	2.37	2.95	2.30	1.07	2.41	3.48	1.89	1.12	1.95	3.07
Maize	12.47	1.67	11.87	13.54	14.46	1.36	14.32	15.68	13.21	1.67	12.49	14.17
Bajra	2.36	0.25	2.39	2.64	2.86	0.16	3.05	3.20	2.48	0.21	2.51	2.72
Jowar	2.82	0.80	2.09	2.89	3.34	0.99	2.53	3.52	2.29	1.42	1.78	3.20
Other Cereals	0.07	0.04	0.05	0.09	0.28	0.14	0.16	0.30	0.14	0.08	0.07	0.14
Total	225.79	128.58	131.14	259.72	234.31	111.92	168.57	280.49	225.66	102.00	156.55	258.55
Gram	17.65	9.95	6.05	16.00	17.16	14.57	4.69	19.27	20.87	17.37	7.88	25.25
Urad	2.67	1.79	1.11	2.90	2.74	2.70	1.04	3.74	3.07	2.77	1.36	4.14
Cowpea	0.19	0.14	0.09	0.23	0.27	0.15	0.13	0.28	0.25	0.14	0.13	0.26
Moong	2.68	1.90	1.37	3.27	2.41	1.79	1.36	3.14	2.35	2.50	0.97	3.47
Horse Gram	0.26	0.26	0.10	0.36	0.20	0.05	0.12	0.17	0.09	0.03	0.06	0.09
Lentil	1.47	0.44	0.72	1.16	1.37	0.78	0.58	1.36	1.48	0.86	0.67	1.53
Lathyrus	0.08	0.05	0.03	0.08	0.01	0.02	0.00	0.02	0.10	0.04	0.06	0.10
Peas	2.67	1.41	1.50	2.91	2.39	0.82	1.54	2.36	2.47	2.34	1.67	4.01
Grain Amaranthus				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Moth	0.20	0.11	0.10	0.21	0.19	0.17	0.07	0.24	0.20	0.11	0.12	0.22
Arhar	2.71	1.32	1.65	2.97	3.31	1.59	2.22	3.81	2.83	1.36	1.80	3.17
Rajma	0.02	0.04		0.04	0.22	0.10	0.11	0.21	0.05	0.00	0.05	0.05
Kehsari				0.00	0.00	0.00	0.00	0.00	0.20	0.09	0.10	0.20
Indian bean	0.21	0.04	0.17	0.21	0.01	0.00	0.01	0.01	0.01	0.00	0.01	0.01
Rice bean	0.01	0.01		0.01	0.01	0.01	0.00	0.01	0.00	0.00	0.00	0.00
Faba bean	0.01	0.01		0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Guar	0.81	0.17	0.77	0.94	0.78	0.15	0.69	0.85	0.00	0.00	0.00	0.00
Other Local Pulses	0.00			0.00	0.00	0.00	0.00	0.00	1.06	0.24	0.89	1.12
Total	31.64	17.64	13.66	31.30	31.07	22.90	12.56	35.46	35.03	27.85	15.78	43.63
Castor	0.58	0.11	0.73	0.84	0.60	0.17	0.47	0.63	0.56	0.20	0.42	0.62
R/Mustard	2.49	1.24	1.23	2.47	2.32	1.08	1.47	2.55	2.34	1.78	1.21	2.99
Groundnut	23.48	15.78	9.38	25.16	24.29	15.80	9.22	25.01	25.54	15.63	13.64	29.27
Niger	0.01	0.01	0	0.01	0.01	0.01	0.01	0.02	0.04	0.00	0.03	0.03
Til	0.28	0.22	0.18	0.40	0.49	0.13	0.38	0.51	0.49	0.14	0.42	0.55
Linseed	0.13	0.07	0.04	0.11	0.08	0.01	0.04	0.05	0.14	0.05	0.05	0.11
Soybean	29.00	12.62	17.02	29.64	35.65	15.57	24.68	40.25	29.10	11.06	17.10	28.17
Sunflower	0.39	0.01	0.39	0.40	0.20	0.01	0.20	0.21	0.28	0.03	0.40	0.43
Safflower	0.12	0.02	0.11	0.13	0.11	0.01	0.11	0.12	0.06	0.02	0.07	0.10
Total	56.48	30.08	29.08	59.16	63.74	32.79	36.58	69.36	58.57	28.91	33.36	62.27
Cotton	2.22	0.13	2.22	2.35	3.17	0.07	3.40	3.46	2.20	0.02	2.45	2.46
Jute/Mesta	0.43	0.3	0.08	0.38	0.50	0.34	0.10	0.44	0.35	0.26	0.12	0.38
Total	2.65	0.43	2.30	2.73	3.66	0.40	3.50	3.91	2.55	0.28	2.56	2.84
Potato	36.53	7.26	19.82	27.09	38.22	11.02	18.86	29.88	31.50	11.03	20.01	31.04
Fodders	0.37	0.25	0.09	0.34	0.37	0.29	0.02	0.31	0.24	0.53	0.01	0.55
Grand Total	353.46	184.24	196.09	380.34	371.38	179.33	240.08	419.41	353.54	170.60	228.27	398.88

Source : Department of Agriculture, Cooperation & Farmers Welfare

14.7(b): Crop-wise Distribution of Certified/ Quality Seeds																		(Lakh Quintals)
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	2016-17	2017-18	2018-19
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
Cereals																		
Wheat	32.5	33.00	35.97	41.31	44.2	54.55	63.25	74.83	90.66	97.83	97.61	116.4	93.75	117.8	95.83	124.87	139.30	118.04
Paddy	25.5	25.79	26.51	30.98	32.4	43.51	48.93	58.18	60.95	69.34	74.41	72.14	72.45	66.84	74.61	84.57	82.72	72.40
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	12.90	11.01	11.16
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	2.01	1.99	1.42
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	2.20	1.82	1.91
Ragi and other	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	0.27	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	2.29	0.82	1.63
Sub-Total	65.5	66.97	70.82	81.41	86.7	109.8	123.8	147.4	165.1	182.6	189.6	204.3	183.0	203.2	194.95	229.11	238.00	206.87
Pulses																		
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	17.17	11.95	19.50
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	1.38	0.98	1.27
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	1.89	1.68	2.77
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	2.69	3.16	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	2.30	2.13	2.20
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	2.50	2.39	2.42
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	0.20	0.17	0.16
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	1.34	1.08	1.24
Sub-Total	4.69	6.60	8.17	7.40	7.37	9.63	12.57	14.48	19.69	20.83	22.26	24.51	27.80	24.77	22.71	29.47	23.54	31.80
Oilseeds																		
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	19.89	27.37	15.55
Rapeseed &	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	2.40	2.84	1.88
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	0.27	0.20	0.19
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	0.19	0.29	0.10
Soybean	4.99	6.88	10.20	13.36	14.2	14.05	16.52	20.89	28.44	25.55	37.60	32.08	38.94	23.34	27.19	26.46	25.95	30.01
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	0.05	0.04	0.05
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	0.62	0.51	0.42
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	0.09	0.02	0.02
Others	0.01	0.04	0.14	0.15	0.23	0.20	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.04	0.01	0.01	0.00	0.04
Sub-Total	12.1	13.36	19.39	23.42	24.3	27.00	34.33	39.92	50.71	50.61	61.49	58.41	61.09	43.03	47.44	49.97	57.23	48.26
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	1.85	2.15	2.13
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	0.32	0.31	0.30
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	0.00	0.00	0.03
Sub-Total	2.89	2.74	2.78	2.76	2.89	3.05	2.63	2.58	2.65	2.64	3.09	2.95	2.87	3.86	2.49	2.17	2.46	2.46
Other																		
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	0.38	30.57	30.83
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	0.33	0.20	0.19
Sub-Total (Other)	6.56	7.37	7.24	5.27	5.41	5.46	5.72	11.40	18.91	20.63	18.32	23.20	26.60	28.26	36.45	0.71	30.77	31.02
Grand Total	91.80	97.04	108.40	120.26	126.75	155.01	179.05	215.81	257.11	277.34	294.85	313.44	301.39	303.12	304.04	311.43	352.01	320.41

Source: Department of Agriculture, Cooperation & Farmers Welfare

14.7(c): Crop-wise requirement and availability of Certified/ Quality of Hybrid Seeds

		(Thousand Tonnes)													
S.No.	Crop	2012-13		2013-14		2014-15		2015-16		2016-17		2017-18		2018-19	
		Req.	Av.	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)	(15)	(16)
1	Paddy	31.60	31.30	42.80	34.20	15.10	19.50	38.50	61.40	19.21	22.09	52.37	58.52	53.22	69.30
2	Maize	97.00	103.40	94.00	96.60	93.50	106.90	101.60	120.50	100.20	125.29	113.44	129.63	116.06	124.83
3	Jowar	13.20	13.90	7.90	10.20	15.60	19.00	17.70	20.00	13.25	19.57	16.53	18.22	10.62	14.31
4	Bajra	24.00	27.10	23.60	33.20	21.00	24.80	24.10	26.60	19.64	24.98	25.93	28.81	19.90	21.72
5	Arhar	0.00	0.01	0.00	0.00	0.09	0.09	0.10	0.00	0.00	0.00	0.36	0.46	0.04	0.04
6	Sunflower	6.40	6.60	4.90	5.40	2.90	3.00	4.40	4.60	6.10	6.26	0.77	0.85	2.68	4.14
7	Safflower	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.03	0.00	0.00
8	Castor	4.00	4.30	3.40	4.30	7.10	8.40	6.00	6.10	4.91	5.78	5.23	5.49	4.96	5.46
9	Cotton	22.40	25.40	15.90	17.90	17.90	21.70	18.70	19.80	18.36	19.73	19.87	22.27	17.99	19.36
	TOTAL	198.60	212.01	192.50	201.80	173.19	203.39	211.10	259.00	181.68	223.69	234.54	264.28	225.47	259.16

Source : Department of Agriculture, Cooperation & Farmers Welfare

Req.: Requirement Av: Availability

14.8(a): Consumption of Electricity for Agricultural Purposes

Year	Consumption for Agricultural Purposes	Total Consumption	% Share of Agricultural Consumption to Total Consumption
	(GWh)	(GWh)	
(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
2015-16	173185	863364	20.06
2016-17	191151	914093	20.91
2017-18	199247	973131	20.47

Source : Central Electricity Authority, New Delhi

14.8(b) : State-wise Consumption of Electricity for Agricultural Purposes

State/UTs	2016-17			2017-18		
	Agriculture (GWh)	Total Energy Sold (GWh)	% Share of Consumption of Agriculture	Agriculture (GWh)	Total Energy Sold (GWh)	% Share of Consumption of Agriculture
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Northern Region						
Chandigarh	4.23	1589.02	0.27	1.43	1573.88	0.09
Delhi	28.88	26604.49	0.11	33.17	28487.75	0.12
Haryana	9708.81	34500.61	28.14	10067.34	38215.38	26.34
Himachal Pradesh	57.28	7973.79	0.72	62.18	8404.56	0.74
Jammu & Kashmir	313.00	7902.45	3.96	314.45	8394.87	3.75
Punjab	12195.97	44050.22	27.69	12294.65	47027.46	26.14
Rajasthan	21361.21	51027.26	41.86	22833.45	53617.78	42.59
Uttar Pradesh	15638.04	81068.21	19.29	17742.15	90395.38	19.63
Uttarakhand	141.71	11161.88	1.27	437.08	11210.30	3.90
Sub-Total (NR)	59449.13	265877.93	22.36	63785.91	287327.36	22.20
Western Division						
Chhattisgarh	4290.38	19159.47	22.39	4831.25	20362.54	23.73
Gujarat	16758.62	85555.79	19.59	13731.76	90719.23	15.14
Madhya Pradesh	17331.65	45681.37	37.94	18473.18	52522.85	35.17
Maharashtra	28201.84	121050.81	23.30	30306.90	124920.73	24.26
Daman & Diu	2.72	1737.09	0.16	4.73	2377.37	0.20
D & N Haveli	6.20	5737.00	0.11	6.50	5672.04	0.11
Goa	29.94	3475.37	0.86	29.94	3617.92	0.83
Sub-Total (WR)	66621.35	282396.90	23.59	67384.25	300192.68	22.45
Southern Region						
Andhra Pradesh	13296.61	47761.45	27.84	12589.20	51000.80	24.68
Telangana	15676.32	44446.48	35.27	19984.61	51197.64	39.03
Karnataka	21625.35	58152.32	37.19	21377.16	59235.60	36.09
Kerala	331.56	20218.40	1.64	372.27	21354.14	1.74
Tamil Nadu	11733.40	83936.07	13.98	11257.43	86654.00	12.99
Puducherry	59.17	2556.19	2.31	57.28	2539.96	2.26
Lakshadweep	0.00	47.59	0.00	0.00	48.50	0.00
Sub-Total (SR)	62722.41	257118.50	24.39	65637.95	272030.65	24.13
Eastern Region						
Bihar	409.28	17250.69	2.37	479.84	18713.22	2.56
Jharkhand (estimated) \$	110.39	19548.79	0.56	202.44	19950.15	1.01
Odisha	327.04	16987.96	1.93	429.34	17713.75	2.42
West Bengal \$	1433.61	43945.80	3.26	1250.42	45477.60	2.75
Sikkim	0.00	436.57	0.00	0.00	343.67	0.00
A & N Islands	0.00	265.83	0.00	1.18	265.68	0.44
Sub-Total (ER)	2280.32	98435.64	2.32	2363.23	102464.07	2.31
North Eastern Region						
Arunachal Pradesh	0.04	370.82	0.01	0.04	436.98	0.01
Assam	36.00	6525.00	0.55	34.72	7063.82	0.49
Manipur	0.96	511.92	0.19	2.12	564.00	0.38
Meghalaya	0.10	972.38	0.01	0.12	1063.73	0.01
Mizoram	0.00	353.54	0.00	0.00	395.77	0.00
Nagaland	0.02	634.83	0.00	0.00	663.72	0.00
Tripura	40.55	895.27	4.53	38.51	928.01	4.15
Sub-Total (NER)	77.67	10263.76	0.76	75.51	11116.02	0.68
Total(All India)	191150.89	914092.73	20.91	199246.85	973130.78	20.47

Source : Central Electricity Authority, New Delhi

GWh: Giga Watt-hour

\$ -Includes Damodar Valley Corporation (DVC) sales to ultimate consumers in Jharkhand & West Bengal area

14.9 (a): Flow of Institutional Credit to Agriculture Sector

(as on 31.12.2019)

(₹ in Crore)

Particulars/Agency	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
I. Production (ST) Credit										
Co-operative Banks	56946	69038	81829	102592	113574	130350	143803	131880	138348	142750
RRBs	29802	38121	47401	55957	70697	89326	101579	105001	119546	125654
Commercial Banks	189908	228391	266928	314951	364164	415736	419930	452576	497078	483805
Sub Total (A)	276656	335550	396158	473500	548435	635412	665312	689457	754972	752209
II. MT/LT Credit										
Co-operative Banks	6551	9083	6134	8611	6389	8119	9492	10878	12041	9591
RRBs	5415	6172	7049	7724	11956	13157	17681	18215	21413	24013
Commercial Banks	95892	117486	101688	117540	163342	188640	223024	347205	380077	471017
Sub Total (B)	107858	132741	114871	133875	181687	209916	250197	376298	413531	504620
Total Credit (ST + MT/LT)										
Co-operative Banks	63497	78121	87963	111203	119963	138469	153295	142758	150389	152340
RRBs	35217	44293	54450	63681	82653	102483	119260	123216	140959	149667
Commercial Banks	285800	345877	368616	432491	527506	604376	642954	799781	877155	954823
Grand Total (A+B)	384514	468291	511029	607375	730122	845328	915509	1065755	1168503	1256830

Source : Department of Agriculture, Cooperation & Farmers Welfare

P: Provisional

ST: Short Term

MT: Medium Term

LT: Long Term

14.9 (b): State-wise Agricultural Loan disbursed in 2018-19

(Amount in ₹ Lakh)

S. No	State	Crop Loan		Term Loan		Total	
		No. of A/cs	Amount Disbursed	No. of A/cs	Amount Disbursed	No. of A/cs	Amount Disbursed
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	DELHI	7584	188081.55	18767	2244990.24	26351	2433071.79
2	HARYANA	2748064	4116242.32	514504	2218671.54	3262568	6334913.86
3	HIMACHAL PRADESH	586423	489996.11	135835	196987.59	722258	686983.70
4	JAMMU & KASHMIR	917330	1053257.51	36153	258525.25	953483	1311782.76
5	PUNJAB	2872085	5402287.34	605728	2343358.01	3477813	7745645.35
6	RAJASTHAN	6761137	6157042.29	1200039	2151051.54	7961176	8308093.83
7	CHANDIGARH UT	3177	40843.82	33666	158400.85	36843	199244.67
8	ARUNACHAL PRADESH	4618	2450.27	842	3131.65	5460	5581.92
9	ASSAM	243518	105699.94	729738	618917.72	973256	724617.66
10	MANIPUR	7200	3802.81	14971	21039.50	22171	24842.31
11	MEGHALAYA	25793	13714.89	4993	6208.42	30786	19923.31
12	MIZORAM	2631	1717.05	8432	34560.12	11063	36277.17
13	NAGALAND	33824	8327.07	4627	12595.71	38451	20922.78
14	SIKKIM	7324	5909.54	5882	10083.47	13206	15993.01
15	TRIPURA	65919	41273.74	331560	227812.92	397479	269086.66
16	A & N ISLANDS	3238	3119.03	7356	9877.41	10594	12996.44
17	BIHAR	2247498	1788625.11	2736344	1794144.33	4983842	3582769.44
18	JHARKHAND	533134	175728.58	369841	233437.24	902975	409165.82
19	ODISHA	4406160	1733808.61	1511951	1007793.31	5918111	2741601.92
20	WEST BENGAL	2480794	1221783.94	3648283	3410853.10	6129077	4632637.04
21	CHHATTISGARH	1567170	642085.56	244083	397008.14	1811253	1039093.70
22	MADHYA PRADESH	6939372	4414701.29	1104581	1732731.76	8043953	6147433.05
23	UTTARAKHAND	560048	530000.29	167086	503581.87	727134	1033582.16
24	UTTAR PRADESH	8764904	6045196.74	1637804	2860839.12	10402708	8906035.86
25	GOA	26980	34033.30	35027	97927.32	62007	131960.62
26	GUJARAT	3189731	3985046.23	768708	2626070.95	3958439	6611117.18
27	MAHARASHTRA	4607603	3366557.84	1734643	4990395.93	6342246	8356953.77
28	D&N HAVELI UT	569	1103.74	1010	5961.32	1579	7065.06
29	DAMAN & DIU UT	522	986.07	615	3399.45	1137	4385.52
30	ANDHRA PRADESH	10272275	8291210.60	2152219	3986949.41	12424494	12278160.01
31	TELANGANA	4160212	2737803.67	738671	3016514.28	4898883	5754317.95
32	KARNATAKA	4929902	3797493.60	3880668	3544377.76	8810570	7341871.36
33	KERALA	6850932	6002334.94	1913921	3243338.82	8764853	9245673.76
34	PUDUCHERRY	308216	218908.65	79006	67737.58	387222	286646.23
35	TAMILNADU	17436270	12599609.78	5584511	6422612.05	23020781	19022221.83
36	LAKSHADWEEP UT	244	140.11	190	152.21	434	292.32
GRAND TOTAL		93572401	75220923.93	31962255	50462037.89	125534656	125682961.82

Source : Department of Agriculture, Cooperation & Farmers Welfare

14.10: State-wise and Agency-wise KCCs - Cumulative cards Issued and Amount Outstanding as on 31 March 2019 (Provisional)

(Amount in ₹ Crore and Number in Lakh)

S. No.	State/UTs	Commercial Banks		Cooperative Banks		RRBs		Total	
		Cumulative cards issued since inception	Amount Outstanding under operative KCCs	Cumulative cards issued since inception	Total Amount Outstanding	Cumulative cards issued since inception	Total Amount Outstanding	Cumulative cards issued since inception	Total Amount Outstanding
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1	A & N Islands	0.05	2.20	0.07	13.80	0.00	0.00	0.12	15.99
2	Andhra Pradesh	148.64	25549.06	20.08	8146.34	14.25	10152.43	182.97	43847.83
3	Arunachal Pradesh	0.43	59.20	0.01	4.02	0.03	26.40	0.47	89.62
4	Assam	15.14	3513.01	0.33	10.89	9.04	1053.82	24.50	4577.73
5	Bihar	45.61	9098.95	7.87	425.54	23.57	9300.70	77.05	18825.19
6	Chandigarh	0.10	256.95	0.00	0.00	0.00	0.00	0.10	256.95
7	Chhattisgarh	7.00	4386.92	12.82	2283.42	3.42	858.12	23.24	7528.46
8	Dadra & Nagar Haveli	0.02	5.70	0.00	0.00	0.00	0.00	0.02	5.70
9	Daman & Diu	0.01	8.22	0.00	0.00	0.00	0.00	0.01	8.22
10	Delhi	0.46	48.78	0.03	10.90	0.00	0.00	0.49	59.68
11	Goa	0.29	152.87	0.02	18.50	0.00	0.00	0.32	171.37
12	Gujarat	30.58	26698.74	14.30	9380.83	5.71	5080.96	50.59	41160.53
13	Haryana	23.44	26292.97	13.40	10014.38	7.02	6866.60	43.85	43173.95
14	Himachal Pradesh	4.99	3682.81	2.85	1477.78	1.39	614.59	9.23	5775.19
15	Jammu & Kashmir	5.88	4009.85	0.86	57.98	2.81	669.63	9.55	4737.46
16	Jharkhand	18.66	2652.47	0.23	37.64	4.34	1608.63	23.24	4298.74
17	Karnataka	61.08	20734.65	27.23	11515.50	28.18	9130.27	116.49	41380.42
18	Kerala	23.22	9730.22	24.17	3274.26	13.92	1309.90	61.32	14314.38
19	Lakshadweep	0.03	2.52	0.00	0.00	0.00	0.00	0.03	2.52
20	Madhya Pradesh	43.92	38840.51	59.72	16758.58	8.85	6896.22	112.49	62495.31
21	Maharashtra	79.13	29706.94	45.00	16425.94	5.73	3677.72	129.87	49810.60
22	Manipur	0.52	112.23	0.01	1.55	0.22	27.97	0.75	141.74
23	Meghalaya	1.62	333.97	0.34	32.02	0.31	110.56	2.27	476.55
24	Mizoram	0.40	75.37	0.07	9.00	1.40	58.62	1.87	142.99
25	Nagaland	1.04	140.02	0.11	15.94	0.02	1.53	1.17	157.49
26	Odisha	31.16	3827.84	40.89	10573.27	16.64	2380.85	88.68	16781.97
27	Puducherry	1.46	111.42	0.09	8.35	0.04	12.63	1.59	132.40
28	Punjab	29.92	43673.44	10.98	6421.13	3.41	4832.98	44.31	54927.55
29	Rajasthan	43.51	54480.16	41.43	9169.02	11.07	14427.09	96.01	78076.27
30	Sikkim	0.30	25.87	0.12	8.03	0.00	0.00	0.42	33.90
31	Tamil Nadu	78.79	11865.77	21.22	7203.48	0.66	279.13	100.67	19348.38
32	Telangana	76.79	17353.58	13.47	3461.97	18.97	10226.46	109.24	31042.02
33	Tripura	5.85	548.15	1.08	57.69	3.70	145.84	10.63	751.67
34	Uttarakhand	14.75	4344.35	3.46	987.08	0.83	306.11	19.04	5637.53
35	Uttar Pradesh	148.52	65192.19	85.92	6354.56	129.75	35500.97	364.19	107047.72
36	West Bengal	60.12	6152.48	19.01	3276.65	3.30	1515.05	82.42	10944.19
Total		1003.44	413670.39	467.18	127436.04	318.59	127071.76	1789.21	668178.20

Source : Department of Agriculture, Cooperation & Farmers Welfare

14.11(a): State-wise Progress under National Agricultural Insurance Scheme (NAIS)-Cumulative upto Rabi 2015-16

											(₹ in Lakh)
S.No.	State/UTs	Number of Farmers covered	Area Insured (In Ha)	Sum Insured	Farmers' Premium	State Govt. Premium (Share)	Gol Premium (Share)	Gross Premium	Claims Reported	Claims Paid	Number of Farmers Benefitted
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
1	Andhra Pradesh	30672015	46467871	6576696	172126.36	8311.48	8311.48	188749.32	507808.34	506419.19	7030691
2	A & N Islands	4773	7148	2300	3.25	45.00	15.48	63.73	116.41	116.41	1102
3	Assam	422654	309427	90822	2269.20	130.77	130.77	2530.74	1693.36	1693.35	66123
4	Bihar	10707824	11710269	2829879	57771.32	2566.75	2566.75	62904.82	406524.11	386815.39	4559247
5	Chhattisgarh	11802512	23539517	1504999	35314.54	1955.61	906.27	38176.43	110738.60	110738.60	2389516
6	Goa	8211	13440	318	4.31	0.73	0.60	5.65	2.36	2.36	702
7	Gujarat	15496182	35194683	4931871	179895.79	15697.38	7080.19	202673.36	880389.99	880389.99	5500924
8	Haryana	635778	769038	83496	2345.73	34.13	34.13	2413.98	4336.40	4336.40	129424
9	Himachal Pradesh	372427	292222	78533	900.42	668.81	87.87	1657.10	2252.03	2252.03	114714
10	Jammu & Kashmir	49065	68995	10902	197.86	7.97	7.97	213.80	126.42	126.42	4492
11	Jharkhand	6931179	4247333	459685	10461.03	353.70	353.70	11168.42	75038.95	73889.01	2582643
12	Karnataka	14359973	22589874	2013980	54238.73	1861.45	1812.38	57912.56	288765.52	288765.52	6100272
13	Kerala	461282	414761	87166	1629.98	125.80	125.80	1881.59	3062.82	3062.82	85472
14	Madhya Pradesh	43800967	103200640	10011469	260721.09	3598.23	3598.23	267917.55	1027918.15	1027918.15	9988946
15	Maharashtra	51771827	40870934	3972297	127454.43	33428.33	8589.86	169472.62	984056.03	984056.03	24812509
16	Manipur	35645	57472	14812	348.42	10.16	10.16	368.73	1226.20	1226.20	29932
17	Meghalaya	36357	36343	7473	277.09	21.32	21.32	319.72	68.46	68.46	3600
18	Mizoram	121	134	23	0.53	0.03	0.03	0.58	11.23	11.23	119
19	Odisha	19975543	19460413	3623795	81722.19	4494.70	4494.70	90711.59	387731.54	387731.54	4408909
20	Puducherry	43258	59993	11670	137.23	72.97	17.89	228.10	316.95	313.75	7269
21	Rajasthan	15058674	31379980	1620309	45016.74	368.81	368.81	45754.35	262165.99	262165.99	5200566
22	Sikkim	2062	1445	352	6.79	0.47	0.47	7.72	1.28	1.28	86
23	Tamil Nadu	8308820	10560218	2584558	33920.55	31077.06	2291.01	67288.62	350700.67	350633.69	3260202
24	Telangana	1335400	1580373	679160	17820.53	794.28	794.28	19409.09	34477.18	34335.74	539401
25	Tripura	21347	14086	3302	80.68	4.86	4.86	90.39	58.55	58.31	3450
26	Uttar Pradesh	23426012	31070386	3353782	63262.82	2609.59	2609.59	68482.01	116937.52	116937.52	4517617
27	Uttarakhand	399156	372509	87098	1799.49	89.32	89.32	1978.13	4188.31	4188.31	119370
28	West Bengal	15115455	7428042	2109729	50201.05	53334.50	5776.08	109311.63	172568.34	172513.79	3594384
Total		271254519	391717546.64	46750475.99	1199928.16	161664.21	50099.99	1411692.35	5623281.73	5600767.50	85051682

Source : Department of Agriculture, Cooperation & Farmers Welfare

14.11 (b): Season-wise Progress under National Agricultural Insurance Scheme (NAIS)-Cumulative upto Rabi 2015-16

(₹ in Lakh)

S.No.	State/UTs	Number of Farmers covered	Area Insured (In Ha)	Sum Insured	Farmers' Premium	State Govt. Premium (Share)	Gol Premium (Share)	Gross Premium	Claims Reported	Claims Paid	Number of Farmers Benefitted
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
1	Rabi 1999-00	579940	780569	35641	376.78	82.85	82.85	542.48	769.26	769.26	55288
2	Kharif 2000	8409374	13219829	690338	15933.68	2369.94	2369.94	20673.55	122248.15	122248.15	3635252
3	Rabi 2000-01	2091733	3111423	160268	1955.23	411.77	411.77	2778.76	5948.63	5948.63	526697
	Total 2000-01	11081047	17111821	886248	18265.69	2864.55	2864.55	23994.79	128966.04	128966.04	4217237
4	Kharif 2001	8696587	12887710	750246	21399.68	2381.07	2381.07	26161.82	49363.57	49363.57	1741906
5	Rabi 2001-02	1955431	3145873	149751	2237.00	388.90	388.90	3014.79	6465.80	6465.80	453325
	Total 2001-02	10652018	16033583	899997	23636.68	2769.97	2769.97	29176.61	55829.37	55829.37	2195231
6	Kharif 2002	9768711	15532349	943169	28060.29	2243.19	2243.19	32546.68	182439.20	182439.20	4297155
7	Rabi 2002-03	2326811	4037824	183755	3177.63	336.41	336.41	3850.44	18854.84	18854.84	926408
	Total 2002-03	12095522	19570173	1126924	31237.92	2579.60	2579.60	36397.12	201294.04	201294.04	5223563
8	Kharif 2003	7970830	12355514	811413	25888.61	1222.29	1222.29	28333.19	65268.61	65268.61	1712271
9	Rabi 2003-04	4421287	6468663	304949	5781.70	312.09	312.09	6405.87	49710.37	49710.37	2098125
	Total 2003-04	12392117	18824177	1116362	31670.31	1534.38	1534.38	34739.06	114978.98	114978.98	3810396
10	Kharif 2004	12687203	24273394	1317062	43885.06	1004.61	1004.61	45894.28	103832.95	103832.95	2674746
11	Rabi 2004-05	3531045	5343244	377421	7172.91	206.18	206.18	7585.28	16058.60	16058.60	772779
	Total 2004-05	16218248	29616638	1694482	51057.97	1210.79	1210.79	53479.55	119891.55	119891.55	3447525
12	Kharif 2005	12673833	20531038	1351910	42951.40	1021.77	1021.77	44994.94	108644.92	108644.92	2687605
13	Rabi 2005-06	4048524	7218417	507166	9959.28	261.56	261.56	10482.40	33830.20	33830.20	980748
	Total 2005-06	16722357	27749455	1859076	52910.68	1283.33	1283.33	55477.34	142475.12	142475.12	3668353
14	Kharif 2006	12934060	19672280	1475936	44074.09	1592.60	1062.46	46729.14	177621.89	177621.89	3131511
15	Rabi 2006-07	4977980	7632882	654221	13149.85	769.47	368.27	14287.60	51597.42	51597.42	1391554
	Total 2006-07	17912040	27305162	2130158	57223.94	2362.07	1430.73	61016.74	229219.31	229219.31	4523065
16	Kharif 2007	13398822	20754747	1700796	49766.23	1429.31	1236.74	52432.28	91535.70	91535.69	1591863
17	Rabi 2007-08	5044016	7387156	746664	14071.44	1345.25	454.31	15871.00	81017.92	81017.92	1578668
	Total 2007-08	18442838	28141903	2447461	63837.67	2774.56	1691.05	68303.28	172553.62	172553.61	3170531
18	Kharif 2008	12992272	17636187	1566607	47822.23	2192.86	1179.27	51194.35	237780.26	237780.26	4218975
19	Rabi 2008-09	6210648	8857836	1114871	22332.07	6296.27	943.74	29572.08	150981.81	150981.81	1979705
	Total 2008-09	19202920	26494023	2681478	70154.30	8489.13	2123.01	80766.44	388762.07	388762.07	6198680
20	Kharif 2009	18253072	25769817	2761671	80572.32	3589.15	2123.41	86284.89	453771.29	453771.29	7970974
21	Rabi 2009-10	5681148	7899761	1100750	21674.65	6524.54	971.28	29170.48	58039.75	58039.73	1040659
	Total 2009-10	23934220	33669578	3862421	102246.98	10113.70	3094.70	115455.37	511811.04	511811.03	9011633
22	Kharif 2010	12682242	17108888	2371090	67637.11	2612.50	1928.94	72178.55	164177.75	164177.75	2253293
23	Rabi 2010-11	4967878	6938628	1101056	20398.73	8405.33	1012.67	29816.72	65793.65	65793.65	1138466
	Total 2010-11	17650120	24047517	3472145	88035.84	11017.82	2941.61	101995.27	229971.39	229971.39	3391759
24	Kharif 2011	11554561	15776489	2348711	66203.64	3347.24	1884.02	71434.91	166561.95	166561.95	1844744
25	Rabi 2011-12	5239299	7609278	1128394	19447.73	5669.68	650.40	25767.81	54337.32	54254.61	1287237
	Total 2011-12	16793860	23385766	3477104	85651.37	9016.93	2534.43	97202.72	220899.27	220816.55	3131981
26	Kharif 2012	10649354	15693701	2719906	76983.25	8824.39	2066.54	87874.18	278854.10	278836.21	1912523
27	Rabi 2012-13	6141726	8691157	1571009	27181.82	16621.71	957.04	44760.57	210833.53	209849.55	2555305
	Total 2012-13	16791080	24384857	4290915	104165.08	25446.10	3023.58	132634.76	489687.63	488685.75	4467828
28	Kharif 2013	9746431	14231634	2900469	82132.15	13389.92	2249.48	97771.55	327154.78	327054.35	2812433
29	Rabi 2013-14	3973611	6476265	1254945	20389.01	8647.16	711.57	29747.73	105206.80	105205.36	996191
	Total 2013-14	13720042	20707899	4155415	102521.17	22037.08	2961.04	127519.28	432361.59	432259.71	3808624
30	Kharif 2014	9728678	11589544	2450085	78728.47	4038.19	1987.47	84754.13	295282.45	295158.12	4370982
31	Rabi 2014-15	7009527	9180141	2137997	36702.88	16446.91	1906.14	55055.93	133519.22	133024.70	2040638
	Total 2014-15	16738205	20769685	4588082	115431.35	20485.10	3893.62	139810.07	428801.68	428182.82	6411620
32	Kharif 2015	20697680	22028058	5261509	152398.19	17739.45	11735.28	181872.93	1524451.55	1523243.34	14047183
33	Rabi 2015-16	10210205	11877252	2800700	49483.02	19939.67	2428.34	71851.02	231327.50	211826.84	4326473
	Total 2015-16	30907885	33905309	8062209	201881.21	37679.12	14163.62	253723.95	1755779.05	1735070.19	18373656
	Kharif Seasons Total	192843710	279061177.35	31420918.19	924436.41	68998.49	37696.48	1031131.38	4348989.11	4347538.23	60903416
	Rabi Seasons Total	78410809	112656369.29	15329557.81	275491.74	92665.72	12403.51	380560.97	1274292.62	1253229.27	24148266
	Grand Total	271254519	391717546.64	46750475.99	1199928.16	161664.21	50099.99	1411692.35	5623281.73	5600767.50	85051682

Source : Department of Agriculture, Cooperation & Farmers Welfare

14.12(a): State-wise Progress under Weather Based Crop Insurance Scheme (WBCIS)-Cumulative upto Rabi 2015-16

(₹ in Lakh)

S. No.	State/UTs	Number of Farmers Insured	Area Insured (ha.)	Sum Insured	Farmers' Premium	GOI Premium (share)	State Govt Premium (share)	Gross Premium	Claims Payable	Claims Paid	Number of Farmers Benefitted
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
1	Andhra Pradesh	3617986	5903513	1512791	61899.94	44573.21	44573.21	151046.36	108006.57	107706.03	2387860
2	Assam	67633	38964	23621	1195.53	597.32	597.32	2390.17	1894.13	734.23	46988
3	Bihar	12798379	13024060	3023144	86591.61	88790.00	88790.00	264171.60	198725.74	148452.81	10634599
4	Chhattisgarh	1281280	2235656	442191	18885.86	12057.70	11113.35	42056.90	31873.03	31873.03	842974
5	Gujarat	497661	413126	22395	251.80	1147.88	839.80	2239.48	857.35	857.35	170576
6	Haryana	358578	599155	189424	3682.90	7447.24	5574.97	16705.11	6503.87	6466.71	249853
7	Himachal Pradesh	390329	111872	141568	7785.44	3753.33	3753.33	15292.10	12262.84	10620.92	275904
8	Jammu & Kashmir	1364	809	461	23.06	11.53	11.53	46.13	54.18	23.93	1364
9	Jharkhand	584956	561469	120813	4162.19	3247.33	3247.33	10656.85	7750.77	7625.44	526610
10	Karnataka	979059	1213009	233625	11498.47	7504.88	7504.88	26508.23	18720.72	18636.76	792321
11	Kerala	162894	119925	36982	1255.63	1347.45	1013.54	3616.63	3318.56	3275.92	128575
12	Madhya Pradesh	1365445	1889229	502304	17924.14	15796.42	15796.42	49516.98	31783.29	31777.40	1152948
13	Maharashtra	2908194	2932529	783270	37825.53	31184.98	26241.12	95251.64	111350.99	111110.91	2546866
14	Odisha	315755	456542	65781	1414.07	2121.10	2121.10	5656.27	3210.36	3210.36	215814
15	Punjab	17	95	19	0.48	0.71	0.71	1.90	0.00	0.00	0
16	Rajasthan	44560525	57238865	4709758	166321.58	151401.53	151401.53	469124.64	414632.43	404875.90	29319448
17	Tamil Nadu	130363	169781	84349	916.39	1040.05	1040.05	2996.48	2496.42	2328.90	72798
18	Telangana	166656	174238	53089	2630.23	1315.12	1315.12	5260.47	12470.02	12261.26	157734
19	Uttar Pradesh	1543617	1318114	265304	12053.71	16714.42	16714.42	45482.54	54405.55	54247.32	1394020
20	Uttarakhand	177887	154517	63102	3245.01	1478.17	1478.17	6201.36	9198.60	9192.77	116083
21	West Bengal	113560	107462	20112	620.82	651.30	651.30	1923.42	1619.09	1269.13	71012
	TOTAL	72022138	88662931.45	12294103.22	440184.38	392181.66	383779.19	1216145.24	1031134.54	966547.06	51104347

Source : Department of Agriculture, Cooperation & Farmers Welfare

14.12(b): Season-wise Progress under Weather Based Crop Insurance Scheme (WBCIS)-Cumulative (upto Rabi 2015-16)

(₹ in Lakh)

S. No.	Season	Number of Farmers Insured	Area Insured (Ha)	Sum Insured	Farmers' Premium	GOI Premium (share)	State Govt Premium (share)	Gross Premium	Claims Payable	Claims Paid	Number of Farmers Benefitted
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
1	Kharif 2007	43790	50074	5301	141.75	280.66	280.66	703.08	524.12	524.12	35275
2	Rabi 2007-08	627167	984552	170495	4299.82	4772.66	4772.66	13845.15	9891.70	9891.70	185673
	Total 2007-08	670957	1034626	175796	4441.57	5053.33	5053.33	14548.22	10415.82	10415.82	220948
3	Kharif 2008	165109	178654	31313	831.38	1180.99	1155.67	3168.04	1439.83	1439.83	104483
4	Rabi 2008-09	167983	188290	42244	868.40	1345.58	1345.58	3559.55	2610.97	2610.97	112028
	Total 2008-09	333092	366943	73557	1699.77	2526.56	2501.25	6727.59	4050.80	4050.80	216511
5	Kharif 2009	1134219	1425674	251892	5640.97	7392.02	6869.80	19902.79	15314.67	15314.67	889296
6	Rabi 2009-10	873352	1227015	197636	3998.38	6039.03	6039.03	16076.43	13790.07	13723.23	460657
	Total 2009-10	2007571	2652689	449528	9639.35	13431.05	12908.83	35979.22	29104.73	29037.90	1349953
7	Kharif 2010	4916784	7393242	567690	16823.54	23028.55	19698.36	59550.45	19193.90	19185.75	1790436
8	Rabi 2010-11	4383504	5745537	863379	17619.68	25883.20	25883.20	69386.07	44264.34	44239.70	2526629
	Total 2010-11	9300288	13138779	1431069	34443.22	48911.74	45581.56	128936.53	63458.24	63425.45	4317065
9	Kharif 2011	6906021	9786317	1035162	33167.45	34902.78	34902.78	102973.01	42587.75	42507.77	3597821
10	Rabi 2011-12	4765377	5847307	985782	20835.31	30951.41	29671.58	81458.29	75113.67	66635.56	2732017
	Total 2011-12	11671398	15633625	2020943	54002.76	65854.19	64574.35	184431.30	117701.42	109143.33	6329838
11	Kharif 2012	8008149	11124700	1287053	40798.47	44337.81	44337.81	129474.09	87680.53	86927.72	6752196
12	Rabi 2012-13	5591502	5987496	1065546	25411.47	33445.98	33445.98	92303.43	104382.42	70626.77	4052901
	Total 2012-13	13599651	17112196	2352600	66209.94	77783.79	77783.79	221777.52	192062.95	157554.49	10805097
13	Kharif 2013	8854152	11172440	1462397	45913.69	50559.46	50559.46	147032.61	119863.67	119828.38	6870870
14	Rabi 2013-14	5302444	5340633	1090192	51251.62	22002.05	19091.03	92344.70	81831.77	75228.98	3850694
	Total 2013-14	14156596	16513072	2552589	97165.30	72561.51	69650.50	239377.31	201695.45	195057.37	10721564
15	Kharif 2014	8172254	9637380	1325690	69577.15	43555.22	43459.50	156591.87	123796.06	121502.05	6725448
16	Rabi 2014-15	3079590	3138084	438617	24305.12	15702.39	15636.69	55644.19	80499.31	80093.23	2898919
	Total 2014-15	11251844	12775464	1764307	93882.26	59257.61	59096.19	212236.06	204295.37	201595.28	9624367
17	Kharif 2015	5399548	6294555	852198	44870.03	26934.38	26852.36	98656.78	132039.59	131411.14	4839539
18	Rabi 2015-16	3631193	3140983	621516	33830.17	19867.51	19777.04	73474.72	76310.18	64855.49	2679465
	Total 2015-16	9030741	9435537	1473714	78700.20	46801.89	46629.40	172131.49	208349.77	196266.62	7519004
	Kharif Seasons Total	43600026	57063034.87	6818694.93	257764.43	232171.87	228116.42	718052.71	542440.10	538641.42	31605364
	Rabi Seasons Total	28422112	31599896.58	5475408.30	182419.96	160009.80	155662.78	498092.53	488694.44	427905.64	19498983
	Grand Total	72022138	88662931.45	12294103.22	440184.38	392181.66	383779.19	1216145.24	1031134.54	966547.06	51104347

Source : Department of Agriculture, Cooperation & Farmers Welfare

14.13 (a): State-wise Progress under Modified National Agricultural Insurance Scheme (MNAIS)-Cumulative upto Rabi 2015-16

(₹ in Lakh)

S. No.	State/UTs	Number of Farmers Insured	Area Insured (ha.)	Sum Insured	Farmer Premium	GOI Share in Premium	State Govt.'s Premium	Premium Collected	Claims Payable	Claims Paid	Number of Farmers Benefitted
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
1	Andhra Pradesh	1800231	1881257	813756	34202.12	21501.69	21501.69	77205.50	86216.12	86175.98	638753
2	A & N Islands	783	1230	460	0.00	13.24	3.04	16.28	5.86	5.86	184
3	Assam	19929	15685	6505	154.08	47.33	47.33	248.73	101.91	69.88	1837
4	Bihar	1382947	1570615	262832	15447.12	18889.34	18889.34	53225.80	21407.54	17704.03	322279
5	Chhattisgarh	18	32	5	0.13	0.04	0.04	0.22	0.00	0.00	0
6	Goa	296	291	78	1.56	0.19	0.19	1.94	14.49	14.49	82
7	Gujarat	17084	591	261	10.99	8.62	8.62	28.23	0.00	0.00	0
8	Haryana	262687	446690	184769	3816.44	1188.17	1188.17	6192.78	5042.41	5021.04	46374
9	Jharkhand	117511	118016	26671	1175.96	717.79	717.79	2611.53	406.78	404.18	8951
10	Karnataka	1566251	2265604	371678	16548.40	11429.63	11427.57	39405.60	24785.74	24684.64	457984
11	Kerala	47416	64041	23894	512.37	410.51	284.42	1207.30	567.36	567.36	4287
12	Madhya Pradesh	218380	359048	51089	1229.69	380.15	380.15	1989.98	873.30	873.30	12717
13	Maharashtra	51964	49621	7621	382.17	523.32	456.50	1361.99	0.00	0.00	0
14	Mizoram	512	488	99	3.44	1.52	1.52	6.48	9.44	9.44	512
15	Odisha	425024	280280	103217	2185.16	646.75	646.75	3478.66	24798.52	24798.27	204831
16	Rajasthan	12620454	13719001	1063428	47976.12	34328.87	34328.86	116633.85	155507.84	133452.52	4691652
17	Tamil Nadu	476483	522840	134936	5708.90	4166.24	4166.24	14041.38	26802.88	26686.36	244024
18	Telangana	923143	1257656	535810	12114.64	3012.00	3012.00	18138.64	9999.36	9997.07	143041
19	Uttar Pradesh	5570562	6061478	2052878	54887.31	27434.66	27434.66	109756.62	199788.85	198981.98	2677774
20	Uttarakhand	217704	183679	66147	1139.51	155.86	155.86	1451.22	1732.98	1731.43	42251
21	West Bengal	1943351	961459	501798	15353.13	18334.52	12886.85	46574.50	28935.36	26664.44	428482
	Total	27662730	29759601	6207932	212849	143190	137538	493577	586997	557842	9926015

Source : Department of Agriculture, Cooperation & Farmers Welfare

14.13 (b):Season-wise Progress under Modified National Agricultural Insurance Scheme (MNAIS)-Cumulative upto Rabi 2015-16

(₹ in lakh)

S. No.	Season	Number of Farmers Insured	Area Insured (Ha)	Sum Insured	Farmers' Premium	GOI Premium (share)	State Govt Premium (share)	Gross Premium	Claims Payable	Claims Paid	Number of Farmers Benefitted
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
1	Rabi 2010-11	358421	323734	69364	2375.51	1180.20	1176.37	4732.08	1614.88	1614.88	46879
	Total 2010-11	358421	323734	69364	2375.51	1180.20	1176.37	4732.08	1614.88	1614.88	46879.00
2	Kharif 2011	474809	665654	134588	5011.29	3613.66	3551.95	12176.89	9609.97	9609.97	100201
3	Rabi 2011-12	754999	707381	201012	6782.60	5233.69	4504.57	16520.86	8443.56	8341.01	122899
	Total 2011-12	1229808	1373035	335600	11793.90	8847.34	8056.51	28697.75	18053.53	17950.98	223100
4	Kharif 2012	2062484	2239315	489697	22033.56	17199.27	17199.27	56432.09	62412.04	62376.12	657900
5	Rabi 2012-13	949009	741753	207715	7500.60	6212.06	5217.65	18930.30	5368.82	5344.26	113298
	Total 2012-13	3011493	2981068	697413	29534.15	23411.33	22416.91	75362.39	67780.87	67720.38	771198
6	Kharif 2013	2361297	2274659	582621	25508.36	19245.74	19245.74	63999.83	89143.10	85369.53	970816
7	Rabi 2013-14	2997404	3253671	640752	20826.37	11847.88	10773.58	43447.83	54044.15	53828.18	811168
	Total 2013-14	5358701	5528329	1223373	46334.73	31093.61	30019.32	107447.66	143187.25	139197.71	1781984
8	Kharif 2014	5890024	6960640	943747	34112.54	30585.62	27925.21	92623.38	63230.34	60954.96	1644824
9	Rabi 2014-15	3198533	3547534	907093	27290.31	11341.50	11303.82	49935.63	89185.37	89182.94	1412851
	Total 2014-15	9088557	10508174	1850840	61402.85	41927.12	39229.04	142559.01	152415.71	150137.90	3057675
10	Kharif 2015	4812042	5530036	826434	33615.89	23565.12	23535.05	80716.06	112797.56	112716.16	2422630
11	Rabi 2015-16	3803708	3515224	1204907	27792.18	13165.71	13104.39	54062.28	91146.93	68504.23	1622549
	Total 2015-16	8615750	9045260	2031341	61408.07	36730.84	36639.44	134778.34	203944.49	181220.39	4045179
	Kharif Seasons Total	15600656	17670303.66	2977088.69	120281.64	94209.41	91457.21	305948.26	337193.01	331026.75	5796371
	Rabi Seasons Total	12062074	12089297.16	3230842.98	92567.57	48981.03	46080.38	187628.97	249803.73	226815.50	4129644
	Grand Total	27662730	29759600.83	6207931.67	212849.21	143190.44	137537.59	493577.23	586996.74	557842.25	9926015

Source : Department of Agriculture, Cooperation & Farmers Welfare

14.14: State-wise Progress under Coconut Palm Insurance Scheme (CPIS)-cumulative (from 2009-10 to 2018-19)

									(₹ in lakh)
State	Number of Farmers Insured	No. of Palms Insured	Sum Insured	Premium				Claims Paid	Number of Farmers Benefitted
				Farmer	State	CDB	Total		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Andhra Pradesh	1217	90122	1883.41	5.01	4.98	9.99	19.98	0.04	17
Goa	240	59643	692.50	0.91	0.91	1.83	3.66	1.63	14
Karnataka	704	96422	1067.64	1.83	1.52	3.05	6.40	3.61	72
Kerala	52583	2101047	22769.36	30.23	30.23	60.45	120.91	341.28	7394
Maharashtra	14764	1074127	12920.50	22.80	22.80	45.60	91.20	34.33	766
Odisha	799	25310	418.35	0.81	0.81	1.62	3.24	0.16	3
Tamil Nadu	53477	2276565	10969.76	20.50	20.50	41.13	82.14	62.95	474
West Bengal	692	28558	328.42	0.82	0.00	0.82	1.64	0.00	0
Total	124476	5751794	51049.93	82.92	81.76	164.49	329.17	444.00	8740

Source : Department of Agriculture, Cooperation & Farmers Welfare
CDB: Coconut Development Board

14.15 (a): State-wise Progress under Pradhan Mantri Fasal Bima Yojana (PMFBY) - Cumulative upto Rabi 2018-19

(₹ in Lakh)											
S.No.	State / UTs	Number of Farmers covered	Area Insured (In Ha)	Sum Insured	Farmers' Premium	Gol Premium (Share)	State Govt. Premium (Share)	Gross Premium	Claims Reported	Claims Paid	Number of Farmers Benefitted
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
1	Andhra Pradesh	3740663	2927202.86	1988482.74	46423.49	69162.69	69162.69	184748.87	132811.07	103282.41	397609
2	A & N Islands	1408	1057.52	363.37	6.06	11.18	11.65	28.90	14.56	14.56	295
3	Assam	138094	94324.95	59509.25	1182.54	721.10	721.10	2624.74	154.12	148.59	2235
4	Bihar	5017309	4610148.66	2175564.36	38245.60	103055.81	103055.81	244357.21	74999.63	74788.56	434925
5	Chhattisgarh	4560366	6885389.25	2180257.50	42077.91	54482.18	54482.18	151042.26	258615.20	258589.35	1429495
6	Goa	1633	1216.27	1350.98	14.88	0.46	0.46	15.80	12.39	12.39	158
7	Gujarat	5913092	8289552.30	3812612.24	104419.64	374856.16	388475.61	867751.41	494181.17	494087.81	2473347
8	Haryana	4134305	6072977.60	3778187.63	65854.64	42459.81	57501.44	165815.90	212169.99	212160.02	962173
9	Himachal Pradesh	648455	225536.84	82188.94	1134.62	1279.84	1279.84	3694.30	2557.37	2556.90	122800
10	Jammu & Kashmir	312737	262646.48	148082.84	2588.28	4588.64	4588.64	11765.55	3438.90	1671.90	29067
11	Jharkhand	3365274	1292800.04	698461.11	11729.37	37225.68	39049.86	88004.91	50410.01	9114.56	251170
12	Karnataka	6443360	6397842.67	2558076.79	57789.46	190106.79	190106.79	438003.03	492711.98	481737.38	3295837
13	Kerala	50021	45124.12	41387.27	825.68	483.10	483.10	1791.89	1691.87	1691.54	11060
14	Madhya Pradesh	20389304	36752640.40	12784141.54	220350.41	573184.44	572251.03	1365785.88	815702.86	740344.61	3037936
15	Maharashtra	36233454	21327617.20	6556661.26	159876.54	532446.86	532446.86	1224770.27	893800.87	892984.50	15508240
16	Manipur	18927	28554.13	9193.63	158.99	207.61	207.61	574.22	263.02	263.02	11960
17	Meghalaya	3727	4136.87	3074.72	111.90	22.45	22.45	156.79	13.56	4.34	58
18	Odisha	5790047	4134359.54	2312140.57	45649.67	99039.63	99039.63	243728.93	325636.26	325480.61	1555474
19	Puducherry	19276	17292.72	9112.91	112.57	230.85	256.01	599.44	802.47	802.44	4767
20	Rajasthan	24765936	27542569.79	6784223.27	142184.69	354477.27	354477.27	851139.23	690322.05	650891.65	7252586
21	Sikkim	2220	515.58	437.26	9.47	0.20	0.20	9.86	14.35	14.35	332
22	Tamil Nadu	5011568	3505493.72	2065502.19	35557.12	177951.90	177951.90	391460.91	741200.05	726585.57	3176043
23	Telangana	2436453	2227201.03	1533140.97	29173.00	29013.14	29013.14	87199.28	51971.36	36884.09	384163
24	Tripura	24063	5946.11	3947.11	90.65	12.79	12.79	116.23	170.46	170.46	6404
25	Uttar Pradesh	18822341	16346456.77	7129981.03	131944.72	137969.30	137969.30	407883.33	139737.50	139258.84	2391343
26	Uttarakhand	518656	286789.30	193368.72	2403.73	738.92	738.92	3881.57	1585.84	1584.30	71510
27	West Bengal	13367975	5475785.38	3744023.54	69949.99	64758.86	72736.07	207444.93	123646.58	86143.73	1387717
Total		161730664	154761178	60653474	1209866	2848488	2886042	6944396	5508635	5241268	44198704

Source : Department of Agriculture, Cooperation & Farmers Welfare

14.15 (b): Season-wise Progress under Pradhan Mantri Fasal Bima Yojana (PMFBY) - Cumulative upto Rabi 2018-19

(₹ in lakh)

S.No	Season	Number of Farmers covered	Area Insured (In Ha)	Sum Insured	Farmers' Premium	Gol Premium (Share)	State Govt. Premium (Share)	Gross Premium	Claims Reported	Claims Paid	Number of Farmers Benefitted
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
1	Kharif 2016	39203607	36923719	12482714	266600	616633	633882	1517115	927955	927602	9446993
2	Rabi 2016-17	17068233	184419401	6971160	114634	195503	197062	507200	583643	583375	3733258
	Total 2016-17	56271840	55365660	19453874	381234	812136	830944	2024315	1511598	1510977	13180251
1	Kharif 2017	33906851	31945190	11672500	262108	723398	731091	1716597	1673286	1673079	13525646
2	Rabi 2017-18	16866870	17520115	7506148	131488	225640	224914	582043	331807	321291	2378386
	Total 2017-18	50773721	49465305	19178648	393596	949038	956005	2298639	2005094	1994371	15904032
1	Kharif 2018	32929418	30442101	12875343	288368	798018	809799	1896185	1497102	1317991	10666323
2	Rabi 2018-19	21755685	19488112	9145608	146667	289295	289295	725257	494841	417930	4448098
	Total 2018-19	54685103	49930213	22020951	435036	1087313	1099093	2621442	1991944	1735921	15114421
	Kharif Seasons Total	106039876	99311010	37030558	817076	2138050	2174771	5129897	4098344	3918672	33638962
	Rabi Seasons Total	55690788	55450168	23622916	392790	710438	711271	1814499	1410292	1322596	10559742
	Grand Total	161730664	154761178	60653474	1209866	2848488	2886042	6944396	5508635	5241268	44198704

Source : Department of Agriculture, Cooperation & Farmers Welfare

14.16(a): State-wise Progress under Restructured Weather Based Crop Insurance Scheme (RWBCIS)- Cumulative upto Rabi 2018-19

(₹ in lakh)											
S.No.	State / UTs	Number of Farmers covered	Area Insured (In Ha)	Sum Insured	Farmers' Premium	Gol Premium (Share)	State Govt. Premium (Share)	Gross Premium	Claims Reported	Claims Paid	Number of Farmers Benefitted
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
1	Andhra Pradesh	2307191	3018658.29	1325199.74	29657.29	67755.43	67755.43	165168.14	161714.91	155512.28	1977464
2	Assam	51749	36692.06	20547.43	410.96	140.24	140.24	691.45	501.68	501.68	23353
3	Chhattisgarh	33525	19865.79	19399.80	969.97	2833.66	2833.66	6637.30	2940.11	2724.41	26349
4	Himachal Pradesh	380533	104055.24	160263.76	7999.40	5583.63	5583.63	19166.65	13850.81	9442.77	188576
5	Karnataka	510696	241725.24	256255.64	12820.20	25160.53	25160.53	63141.26	84515.76	82623.61	436153
6	Kerala	140581	99159.44	53714.34	1147.46	3296.65	3296.65	7740.76	6189.63	4758.18	86862
7	Madhya Pradesh	1364326	930844.93	745694.62	28178.17	14724.13	14724.13	57626.44	58912.34	49825.13	808855
8	Maharashtra	715603	685023.50	758508.43	37923.44	116586.62	116586.62	271096.68	238832.87	238484.33	589996
9	Rajasthan	160513	113289.05	80471.40	3880.97	7473.31	7473.31	18827.59	20956.05	16736.04	129947
10	Telangana	407605	418785.04	376423.79	16224.28	22945.00	22945.00	62114.28	76928.50	44469.39	279588
11	Uttar Pradesh	14912	7436.72	8417.92	413.12	614.53	614.53	1642.19	1211.73	1211.73	14731
12	Uttarakhand	157400	70970.16	70785.40	3519.73	5519.49	5519.49	14558.71	12342.05	12342.05	143521
13	West Bengal	4146	759.07	1390.13	68.47	87.72	88.06	244.24	60.98	0.17	13
Total		6248780	5747265	3877072	143213	272721	272721	688656	678957	618632	4705408

Source : Department of Agriculture, Cooperation & Farmers Welfare

14.16(b): Season-wise Progress under Restructured Weather Based Crop Insurance Scheme (RWBCIS)- Cumulative upto Rabi 2018-19

(₹ in lakh)

S.No.	Season	Number of Farmers covered	Area Insured (In Ha)	Sum Insured	Farmers' Premium	Gol Premium (Share)	State Govt. Premium (Share)	Gross Premium	Claims Reported	Claims Paid	Number of Farmers Benefitted
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
1	Kharif 2016	1544111	1318443.49	665464.65	24071.17	29840.44	29840.44	83752.06	128926.18	128926.18	1425518
2	Rabi 2016-17	555462	400011.51	340607.80	16336.66	31544.58	31544.58	79425.82	36910.46	36902.42	295991
	Total 2016-17	2099573	1718455	1006072	40408	61385	61385	163178	165837	165829	1721509
1	Kharif 2017	1452642	1654155.00	883383.19	29886.81	67935.76	67935.76	165758.33	130609.00	130375.73	1173538
2	Rabi 2017-18	570116	379713.87	381701.59	16077.05	27243.23	27243.23	70563.51	56856.19	56806.19	416069
	Total 2017-18	2022758	2033869	1265085	45964	95179	95179	236322	187465	187182	1589607
1	Kharif 2018	1400037	1472009.29	936425.07	32316.99	81223.18	81223.51	194763.68	213082.00	172099.03	1119574
2	Rabi 2018-19	726412	522931.37	669490.09	24524.77	34933.76	34933.76	94392.29	112573.60	93522.21	274718
	Total 2018-19	2126449	1994941	1605915	56842	116157	116157	289156	325656	265621	1394292
	Kharif Seasons Total	4396790	4444608	2485273	86275	178999	179000	444274	472617	431401	3718630
	Rabi Seasons Total	1851990	1302657	1391799	56938	93722	93722	244382	206340	187231	986778
	Grand Total	6248780	5747265	3877072	143213	272721	272721	688656	678957	618632	4705408

Source : Department of Agriculture, Cooperation & Farmers Welfare

14.17 (a): State-wise crop area insured under all Insurance Schemes

States/UTs	2015-16			2016-17			2017-18			(Area in Lakh Hectare)		
	Gross Area Sown	Area Insured	% of Area Insured	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)	(12)	(13)
Andhra Pradesh	75.32	23.49	31.19	75.32	15.60	20.71	75.32	21.52	28.58	75.32	22.34	29.66
A & N Islands	0.48	0.01	2.87	0.48	0.00	0.53	0.48	0.00	0.52	0.48	0.01	1.16
Arunachal Pradesh	3.01	0.00	0.00	3.01	0.00	0.00	3.01	0.00	0.00	3.01	0.00	0.00
Assam	40.60	0.29	0.70	40.60	0.41	1.01	40.60	0.42	1.03	40.60	0.48	1.19
Bihar	75.72	28.06	37.06	75.72	24.84	32.81	75.72	21.26	28.07	75.72	0.00	0.00
Chandigarh	0.01	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00
Chhattisgarh	56.40	23.43	41.53	56.40	24.14	42.80	56.40	22.16	39.30	56.40	22.75	40.33
Dadar & Nagar Haveli	0.23	0.00	0.00	0.23	0.00	0.00	0.23	0.00	0.00	0.23	0.00	0.00
Daman & Diu	0.03	0.00	0.00	0.03	0.00	0.00	0.03	0.00	0.00	0.03	0.00	0.00
Delhi	0.58	0.00	0.00	0.58	0.00	0.00	0.58	0.00	0.00	0.58	0.00	0.00
Goa	1.57	0.00	0.07	1.57	0.01	0.35	1.57	0.00	0.25	1.57	0.00	0.17
Gujarat	115.22	10.31	8.95	115.22	30.21	26.22	115.22	26.58	23.07	115.22	26.11	22.66
Haryana	65.10	0.00	0.00	65.10	20.85	32.02	65.10	19.34	29.70	65.10	20.55	31.56
Himachal Pradesh	9.33	0.54	5.80	9.33	1.29	13.88	9.33	1.11	11.87	9.33	0.89	9.59
Jammu & Kashmir	11.59	0.00	0.00	11.59	0.00	0.00	11.59	1.53	13.16	11.59	1.10	9.50
Jharkhand	18.12	4.17	23.01	18.12	3.72	20.53	18.12	2.90	16.02	18.12	6.31	34.82
Karnataka	120.09	17.18	14.31	120.09	26.12	21.75	120.09	18.08	15.06	120.09	22.19	18.48
Kerala	26.28	0.65	2.46	26.28	0.53	2.02	26.28	0.48	1.82	26.28	0.43	1.65
Lakshadweep	0.02	0.00	0.00	0.02	0.00	0.00	0.02	0.00	0.00	0.02	0.00	0.00
Madhya Pradesh	237.14	121.15	51.09	237.14	126.09	53.17	237.14	121.22	51.12	237.14	129.53	54.62
Maharashtra	234.67	83.01	35.37	234.67	72.98	31.10	234.67	58.96	25.12	234.67	88.19	37.58
Manipur	4.37	0.17	3.84	4.37	0.09	2.09	4.37	0.19	4.27	4.37	0.01	0.18
Meghalaya	3.03	0.01	0.33	3.03	0.00	0.01	3.03	0.03	1.12	3.03	0.01	0.23
Mizoram	1.88	0.00	0.00	1.88	0.00	0.00	1.88	0.00	0.00	1.88	0.00	0.00
Nagaland	5.04	0.00	0.00	5.04	0.00	0.00	5.04	0.00	0.00	5.04	0.00	0.00
Odisha	48.03	20.47	42.63	48.03	13.19	27.46	48.03	13.54	28.19	48.03	14.62	30.44
Puducherry	0.26	0.02	7.56	0.26	0.07	28.64	0.26	0.00	0.00	0.26	0.10	38.67
Punjab	78.72	0.00	0.00	78.72	0.00	0.00	78.72	0.00	0.00	78.72	0.00	0.00
Rajasthan	250.14	114.55	45.79	250.14	103.77	41.49	250.14	98.48	39.37	250.14	74.31	29.71
Sikkim	1.37	0.00	0.08	1.37	0.00	0.10	1.37	0.00	0.22	1.37	0.00	0.06
Tamil Nadu	60.74	12.45	20.50	60.74	12.30	20.24	60.74	11.66	19.20	60.74	11.10	18.27
Telangana	48.93	16.07	32.84	48.93	8.22	16.80	48.93	10.46	21.39	48.93	7.77	15.89
Tripura	4.86	0.01	0.21	4.86	0.03	0.58	4.86	0.03	0.63	4.86	0.00	0.02
Uttar Pradesh	262.03	37.98	14.49	262.03	65.11	24.85	262.03	47.08	17.97	262.03	51.34	19.59
Uttarakhand	10.83	1.11	10.26	10.83	1.32	12.22	10.83	1.16	10.75	10.83	1.09	10.07
West Bengal	98.81	8.73	8.84	98.81	19.96	20.19	98.81	16.79	17.00	98.81	18.02	18.23
All India Total	1970.54	523.86	26.58	1970.54	570.84	28.97	1970.54	514.99	26.13	1970.54	519.25	26.35

Source : Department of Agriculture, Cooperation & Farmers Welfare

* Latest data for Gross Area Sown (also known as Gross Cropped Area) is available till 2015-16 and the same has been used for 2016-17 to 2018-19 for estimation purpose

14.17 (b): Crop-wise area Insured under all Insurance Schemes

(Area in Lakh Hectare)

S.No.	Crops	2015-16			2016-17			2017-18			2018-19		
		Gross Cropped Area	Area Insured	% of Area Insured	Gross Cropped Area*	Area Insured	% of Area Insured	Gross Cropped Area*	Area Insured	% of Area Insured	Gross Cropped Area*	Area Insured	% of Area Insured
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
1	Paddy	433.81	114.93	26.49	433.81	134.44	30.99	433.81	126.67	29.20	433.81	114.07	26.29
2	Wheat	309.78	87.82	28.35	309.78	109.64	35.39	309.78	102.07	32.95	309.78	95.44	30.81
3	Nutri Cereals	241.11	59.61	24.72	241.11	55.90	23.18	241.11	44.89	18.62	241.11	47.86	19.85
4	Sugarcane	52.43	2.29	4.36	52.43	3.46	6.59	52.43	0.63	1.20	52.43	0.79	1.52
5	Cotton	120.93	14.49	11.98	120.93	35.73	29.55	120.93	25.50	21.09	120.93	25.74	21.28
6	Jute & Mesta	8.38	0.04	0.42	8.38	0.73	8.71	8.38	0.30	3.54	8.38	0.34	4.09
7	Oilseeds	283.00	132.51	46.82	283.00	126.81	44.81	283.00	119.03	42.06	283.00	115.94	40.97
8	Pulses	228.30	71.19	31.18	228.30	68.95	30.20	228.30	64.64	28.31	228.30	77.28	33.85
9	Vegetables	68.16	20.54	30.13	68.16	27.44	40.26	68.16	26.74	39.23	68.16	22.99	33.74
10	Fruits	46.58	3.97	8.52	46.58	3.94	8.46	46.58	3.08	6.61	46.58	14.78	31.73
11	Others	178.06	16.48	9.26	178.06	3.80	2.13	178.06	1.45	0.81	178.06	4.01	2.25
Area under all Crops		1970.54	523.86	26.58	1970.54	570.84	28.97	1970.54	514.99	26.13	1970.54	519.25	26.35

Source : Department of Agriculture, Cooperation & Farmers Welfare.

* Latest data for Gross Area Sown (also known as Gross Cropped Area) is available till 2015-16 and the same has been used for 2016-17 to 2018-19 for estimation purpose

14.18(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	681	46
2015-16	571	46
2016-17	662	45
2017-18	797	52
2018-19	890	52

Source : Department of Agriculture, Cooperation and Farmers Welfare

14.18(b): State-wise Sale of Tractors during 2018-19

(Number)

State/UTs	Sale of Tractors
(1)	(2)
Andhra Pradesh	41472
Telangana	42385
Assam	16672
Bihar	56900
Jharkhand	16442
Gujarat	57148
Haryana	42472
Himachal Pradesh	1603
Jammu & Kashmir	4450
Karnataka	43022
Kerala	693
Maharashtra	75028
Madhya Pradesh	84310
Chhattisgarh	20772
Odisha	22077
Punjab	20701
Rajasthan	63364
Tamil Nadu	27922
Uttar Pradesh	133659
Uttarakhand	3545
West Bengal	26509
Others (North Eastern States and UTs)	1502

Source : Department of Agriculture, Cooperation and Farmers Welfare

15

**Agricultural Census (2015-16)
and
Input Survey (2011-12)**

15.1 : Number and Area of Operational Holdings by SizeGroup

Category of Holdings	No. of Holdings: '000 Number Area Operated: '000 Hectare Average size: Hectare								
	Number of Holdings			Area			Average Size of Holdings		
	2005-06*	2010-11	2015-16	2005-06*	2010-11	2015-16	2005-06*	2010-11	2015-16(P)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Marginal (Less than 1 hectare)	83694 (64.8)	92826 (67.1)	100251 (68.45)	32026 (20.2)	35908 (22.5)	37923 (24.03)	0.38	0.39	0.38
Small (1.0 to 2.0 hectares)	23930 (18.5)	24779 (17.9)	25809 (17.62)	33101 (20.9)	35244 (22.1)	36151 (22.91)	1.38	1.42	1.40
Semi-Medium (2.0 to 4.0 hectares)	14127 (10.9)	13896 (10.0)	13993 (9.55)	37898 (23.9)	37705 (23.6)	37619 (23.84)	2.68	2.71	2.69
Medium (4.0 to 10.0 hectares)	6375 (4.9)	5875 (4.2)	5561 (3.80)	36583 (23.1)	33828 (21.2)	31810 (20.16)	5.74	5.76	5.72
Large (10.0 hectares and above)	1096 (0.8)	973 (0.7)	838 (0.57)	18715 (11.8)	16907 (10.6)	14314 (9.07)	17.08	17.38	17.07
All Holdings	129222 (100.0)	138348 (100.0)	146454 (100.0)	158323 (100.0)	159592 (100.0)	157817 (100.0)	1.23	1.15	1.08

Source : Department of Agriculture, Cooperation & Farmers Welfare (Agriculture Census 2015-16, Phase-I)

*-Excluding Jharkhand

Note: Figures in parentheses indicate percentage share out of total holdings/area.

15.2 (a): Number of Operational Holdings by Size Group- 2015-16

State/UT	Marginal	Small	Semi-Medium	Medium	Large	All Holdings
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Andaman & Nicobar Islands	5154	2533	2875	1364	28	11954
Andhra Pradesh	5904039	1646246	769843	189034	14748	8523910
Arunachal Pradesh	27161	24056	29018	26328	6690	113253
Assam	1868020	495313	295286	79262	3830	2741711
Bihar	14970585	943796	414015	81408	3089	16412893
Chandigarh	480	139	81	46	2	748
Chhattisgarh	2434321	879477	493056	180823	23095	4010772
Dadra & Nagar Haveli	8511	3829	1887	746	99	15072
Daman & Diu	7422	423	131	34	6	8016
Delhi	11489	5436	2587	1209	121	20842
Goa	59472	8083	4309	2092	607	74563
Gujarat	2018827	1615788	1150254	495869	39888	5320626
Haryana	802396	313937	277972	192327	41383	1628015
Himachal Pradesh	712204	173456	82265	25920	2964	996809
Jammu & Kashmir	1186887	159988	58102	10998	534	1416509
Jharkhand	1961615	418684	277306	125514	19827	2802946
Karnataka	4767132	2213732	1192724	451445	55706	8680739
Kerala	7333248	181372	55744	11274	1858	7583496
Lakshadweep	9562	281	135	31	8	10017
Madhya Pradesh	4834531	2724684	1674301	706734	62885	10003135
Maharashtra	7815823	4339259	2327023	733619	69715	15285439
Manipur	76705	48737	22269	2734	39	150484
Meghalaya	122748	60268	39863	9256	262	232397
Mizoram	44963	27483	13834	3209	285	89774
Nagaland	8211	29790	63332	73769	21430	196532
Odisha	3636658	887272	286735	51210	3975	4865850
Puducherry	28361	3385	1568	481	45	33840
Punjab	154412	207436	367938	305220	57707	1092713
Rajasthan	3070873	1677372	1416174	1131440	358757	7654616
Sikkim	44294	12767	10591	3513	367	71532
Tamil Nadu	6224319	1119229	452236	127650	14513	7937947
Telangana	3840131	1408979	563530	125630	9465	5947735
Tripura	504105	47987	18538	2491	73	573194
Uttar Pradesh	19099828	3008403	1313695	376790	22909	23821625
Uttarakhand	659064	148817	58040	14496	888	881305
West Bengal	5997758	970895	255957	17514	608	7242732
All India	100251309	25809332	13993214	5561480	838406	146453741

Source : Department of Agriculture, Cooperation & Farmers Welfare (Agriculture Census 2015-16, Phase-I)

15.2(b): Area of Operational Holdings by Size Group- 2015-16

(Figures in Hectare)

State/UT	Marginal	Small	Semi-Medium	Medium	Large	All Holdings
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Andaman & Nicobar Islands	2372.62	3737.81	7873.99	6128.93	1106.73	21220.07
Andhra Pradesh	2336409.71	2334051.98	2019756.63	1038253.92	275999.71	8004471.95
Arunachal Pradesh	14356.98	30640.11	77432.38	153215.31	104294.29	379939.07
Assam	784971.32	696107.03	806250.00	410090.50	278835.70	2976254.56
Bihar	3727921.25	1178101.04	1075804.81	430508.89	44718.90	6457054.89
Chandigarh	206.49	191.04	235.39	248.48	31.85	913.25
Chhattisgarh	1039903.20	1238488.85	1315920.81	1025558.38	371857.32	4991728.56
Dadra & Nagar Haveli	4521.09	5143.57	5191.85	4322.51	1551.91	20730.93
Daman & Diu	1664.40	566.49	354.56	200.14	78.64	2864.22
Delhi	5207.65	7634.98	7266.99	6913.48	1951.71	28974.82
Goa	23476.19	13432.90	14018.31	14112.46	17045.04	82084.90
Gujarat	1073153.79	2338174.33	3171855.22	2804446.15	590150.15	9977779.64
Haryana	391705.35	459439.42	802030.09	1167627.96	787783.69	3608586.52
Himachal Pradesh	285428.04	242312.91	223343.11	146156.70	46985.90	944226.66
Jammu & Kashmir	397390.22	220672.20	153906.45	59446.93	10892.15	842307.95
Jharkhand	754009.23	569485.28	755488.28	707844.41	303906.94	3090734.13
Karnataka	2080098.12	3107119.63	3188193.18	2568763.01	860931.89	11805105.84
Kerala	856074.10	242336.53	141685.39	60007.62	94833.10	1394936.74
Lakshadweep	1681.43	339.61	328.51	168.93	140.20	2658.68
Madhya Pradesh	2372199.19	3835581.66	4521716.94	4008229.25	932509.62	15670236.65
Maharashtra	3448659.10	5771127.10	6025640.40	4099418.02	1161587.37	20506431.99
Manipur	40295.68	62773.84	55322.02	13357.23	432.42	172181.19
Meghalaya	55929.89	79595.89	108904.36	51413.49	4236.04	300079.67
Mizoram	27167.00	35063.65	31671.94	14908.92	3653.20	112464.71
Nagaland	4608.78	36803.15	169447.92	431165.51	314413.88	956439.24
Odisha	2056820.60	1404130.37	787866.83	284228.07	86242.66	4619288.52
Puducherry	8194.63	4913.97	4280.54	2693.03	782.00	20864.17
Punjab	93360.31	289729.35	983565.84	1729848.19	857229.91	3953733.61
Rajasthan	1482911.94	2388734.34	3988603.34	6898759.81	6114290.00	20873299.43
Sikkim	18073.30	17755.51	28763.89	19957.59	6315.02	90865.31
Tamil Nadu	2168705.74	1555481.71	1215345.19	714169.79	317027.89	5970730.32
Telangana	1705882.58	1976615.61	1466837.15	687904.63	134574.14	5971814.11
Tripura	148777.52	70095.55	49196.28	12633.75	1082.06	281785.17
Uttar Pradesh	7298325.75	4174659.29	3559517.75	2074622.78	343244.47	17450370.04
Uttarakhand	283441.55	206228.12	155532.49	78833.81	23283.72	747319.70
West Bengal	2929448.20	1553445.58	700157.87	84268.39	219539.01	5486859.05
All India	37923352.95	36150710.41	37619306.71	31810426.98	14313539.22	157817336.26

Source : Department of Agriculture, Cooperation & Farmers Welfare (Agriculture Census 2015-16, Phase-I)

Note: Total may not tally due to rounding off

15.3: Average Size of Holdings by Size Group- 2015-16

(Figures in Hectare)

State/UT	Marginal	Small	Semi-Medium	Medium	Large	All Holdings
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Andaman & Nicobar Islands	0.46	1.48	2.74	4.49	39.53	1.78
Andhra Pradesh	0.40	1.42	2.62	5.49	18.71	0.94
Arunachal Pradesh	0.53	1.27	2.67	5.82	15.59	3.35
Assam	0.42	1.41	2.73	5.17	72.80	1.09
Bihar	0.25	1.25	2.60	5.29	14.48	0.39
Chandigarh	0.43	1.37	2.91	5.40	15.92	1.22
Chhattisgarh	0.43	1.41	2.67	5.67	16.10	1.24
Dadra & Nagar Haveli	0.53	1.34	2.75	5.79	15.68	1.38
Daman & Diu	0.22	1.34	2.71	5.89	13.11	0.36
Delhi	0.45	1.40	2.81	5.72	16.13	1.39
Goa	0.39	1.66	3.25	6.75	28.08	1.10
Gujarat	0.53	1.45	2.76	5.66	14.80	1.88
Haryana	0.49	1.46	2.89	6.07	19.04	2.22
Himachal Pradesh	0.40	1.40	2.71	5.64	15.85	0.95
Jammu & Kashmir	0.33	1.38	2.65	5.41	20.40	0.59
Jharkhand	0.38	1.36	2.72	5.64	15.33	1.10
Karnataka	0.44	1.40	2.67	5.69	15.45	1.36
Kerala	0.12	1.34	2.54	5.32	51.04	0.18
Lakshadweep	0.18	1.21	2.43	5.45	17.53	0.27
Madhya Pradesh	0.49	1.41	2.70	5.67	14.83	1.57
Maharashtra	0.44	1.33	2.59	5.59	16.66	1.34
Manipur	0.53	1.29	2.48	4.89	11.09	1.14
Meghalaya	0.46	1.32	2.73	5.55	16.17	1.29
Mizoram	0.60	1.28	2.29	4.65	12.82	1.25
Nagaland	0.56	1.24	2.68	5.84	14.67	4.87
Odisha	0.57	1.58	2.75	5.55	21.70	0.95
Puducherry	0.29	1.45	2.73	5.60	17.38	0.62
Punjab	0.60	1.40	2.67	5.67	14.85	3.62
Rajasthan	0.48	1.42	2.82	6.10	17.04	2.73
Sikkim	0.41	1.39	2.72	5.68	17.21	1.27
Tamil Nadu	0.35	1.39	2.69	5.59	21.84	0.75
Telangana	0.44	1.40	2.60	5.48	14.22	1.00
Tripura	0.30	1.46	2.65	5.07	14.82	0.49
Uttar Pradesh	0.38	1.39	2.71	5.51	14.98	0.73
Uttarakhand	0.43	1.39	2.68	5.44	26.22	0.85
West Bengal	0.49	1.60	2.74	4.81	361.08	0.76
All India	0.38	1.40	2.69	5.72	17.07	1.08

Source: Department of Agriculture, Cooperation & Farmers Welfare (Agriculture Census 2015-16, Phase-I)

15.4: Estimated Number of Operational Holdings by Size Classes and Irrigation Status- 2015-16

Size-Class	Number of Holdings: '000 Number Area: '000 Hectare								
	Wholly Irrigated		Partially Irrigated			Wholly Unirrigated		Total Holdings	
	Number	Area	Number	Area	Irrigated Area	Number	Area	Number	Area
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Marginal	45165	16336	11326	3765	2033	38418	14170	100251	37923
Small	9161	12117	4055	5229	3036	11837	15259	25809	36151
Semi-medium	4743	12018	2687	6530	3779	6186	14978	13993	37619
Medium	1835	9901	1324	6605	3751	2247	11281	5561	31810
Large	238	3836	208	2804	1427	370	5206	838	14314
All Classes	61142	54208	19600	24933	14026	59059	60894	146454	157817

Source : Department of Agriculture, Cooperation & Farmers Welfare (Agriculture Census 2015-16, Phase-II)

15.5: Area Irrigated by different Source of Irrigation by Size Classes

(Figures in '000 Hectare)						
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
Total	16908	2248	11917	29165	4329	64567

Source : Department of Agriculture, Cooperation & Farmers Welfare (Agriculture Census 2010-11)

Note: The information on area irrigated by different sources is not collected in the latest Agriculture Census 2015-16. Thus, the above figures are as per Agriculture Census 2010-11.

15.6: Irrigated and Un-irrigated Area by Size Classes under different Crops

(Figures in '000 Hectare)

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	11063	6510	5796	4477	1673	29519	7467	4891	4000	2435	831	19623
Wheat	7767	5811	6553	6365	2419	28914	1452	909	939	525	156	3980
Other Cereals	1536	1182	1250	1025	442	5435	4259	4824	5089	4300	2036	20507
Total Cereals	20366	13503	13598	11867	4534	63868	13177	10623	10028	7259	3023	44110
Total Pulses	601	841	1121	1343	473	4379	3012	3783	4229	3686	1498	16209
Sugarcane	1128	1171	1133	743	183	4359	108	69	76	37	6	297
Total Oilseeds	1398	1865	2425	2575	1075	9338	2793	4304	4564	3428	887	15975
Total Fibres	641	841	1025	970	375	3852	1539	2719	2540	1612	344	8753
All Crops	26478	20297	21387	19564	7853	95578	22588	23233	23496	18680	8179	96176

Source : Department of Agriculture, Cooperation & Farmers Welfare (Agriculture Census 2015-16, Phase-II)

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

15.7: Usage of Chemical Fertilizers, Farm Yard Manure and Pesticides by major Size Groups

(Area: '000 Hectare)

(Fertilizers/ Manure/ Pesticides: Metric Tonnes)

Size Groups (hectares)		Gross Cropped Area	Area Treated with Fertilizers	Quantity Applied						
				DAP	Urea	Super Phosphate	Ammonium Sulphate	Others		
(1)		(2)	(3)	(4)	(5)	(6)	(7)	N	P	K
Marginal (Below 1.00)	I	24008	21408	2683006	6326385	522153	15961	336623	244578	660438
	UI	23134	15221	1184688	3261015	452362	9571	110310	156039	338727
	T	47142	36629	3867695	9587400	974516	25532	446933	400616	999166
Small (1.0-1.99)	I	18975	16962	1618416	3476035	445898	22424	111390	175818	441544
	UI	23655	16448	980375	2146474	434023	16629	88306	124241	229706
	T	42630	33409	2598792	5622509	879921	39053	199695	300059	671250
Semi-Medium (2.0-3.99)	I	19925	17909	1646747	3374431	388941	14366	128402	125382	340351
	UI	24780	16836	926267	1763285	388208	12176	68498	94599	182735
	T	44706	34745	2573014	5137716	777149	26542	196901	219981	523086
Medium (4.0-9.99)	I	18090	16328	1461622	3019896	297682	9540	79834	64256	211637
	UI	21169	12748	652967	1129268	251599	4297	34467	50093	109458
	T	39258	29076	2114589	4149164	549281	13837	114301	114349	321096
Large (10.0 and above)	I	6999	6372	562297	1354307	89155	2085	5405	9185	53998
	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...

		(Area: '000 Hectare)					
		(Fertilizers/ Manure/ Pesticides: Metric Tonnes)					
Size Groups (hectares)		Quantity Applied			Area Treated with		Quantity of Farm Yard Manure Applied
		Total			Farm Yard Manure	Pesticides	
		N	P	K			
(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.

15.8: Estimated Institutional Credit taken for Agricultural Purposes by Size Groups

('000 Units)

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			
			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
All Groups	138110	47623	21728	1751	18702	7694

Contd..

(In Lakh Rupees)

Size Group (Ha)	Amount of Institutional Credit Taken											
	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

15.9: Total Institutional Credit taken for Agricultural Purposes by different Size-Groups

(In Lakh Rupees)

Size Group (Ha)	Amount of Institutional Credit Taken				Short Term Loans			
	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
All Groups	15744048	6041200	2542423	24327671	3666358	1188286	10889405	15744048

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**

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 ('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)
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
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
Uttanchal	16498	10608	64.3	5387	50.8	4923
West Bengal	141359	63624	45.0	32787	51.5	3980
UTs	2394	718	30.0	267	37.2	8568
All India	1561442	902011	57.8	468481	51.9	6426

Source : Situation Assessment Survey of Agricultural Households (Jan-Dec 2013), National Statistical Office(NSO)

* Separate estimates for the newly formed States of Telangana and Andhra Pradesh are provided in place of erstwhile State of Andhra Pradesh

Notes;

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

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 Statistical Office (NSO)

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

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 2018-19*	
			Area	Production
(1)	(2)	(3)	(4)	(5)
1. Uttar Pradesh	79081	16.9	15.73	19.17
2. Maharashtra	40672	8.7	7.00	3.46
3. Rajasthan	40055	8.5	12.05	7.61
4. Andhra Pradesh**	33421	7.1	3.25	3.86
5. West Bengal	32787	7.0	5.17	6.42
6. Karnataka	32775	7.0	6.11	3.81
7. Bihar	30156	6.4	5.23	5.51
8. Madhya Pradesh	27414	5.9	13.24	11.51
9. Odisha	25830	5.5	3.72	2.78
10. Telangana**	22628	4.8	2.49	3.24
11. Punjab	7499	1.6	5.46	11.06
12. Other States/UTs	96163	20.5	20.55	21.57
All India	468481	100.0	100.00	100.00

Source : Situation Assessment Survey of Agricultural Households (Jan-Dec 2013), National Statistical Office(NSO) for Col-2 and 3 and Directorate of Economics & Statistics for Col-4 and 5

* As per the 4th 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"

16.4: Percentage Distribution of Indebted Agricultural Households by Size-class of Land Possessed for Selected States

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
All India	63.6	18.4	12.0	5.4	0.6

Source : Situation Assessment Survey of Agricultural Households (Jan-Dec 2013), National Statistical Office(NSO)

*Separate estimates for the newly formed States of Telangana and Andhra Pradesh are provided in place of erstwhile State of Andhra Pradesh

Notes:

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**

17.1: Ceilings on Land Holdings

State	(In Acres)		
	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	-	-	-
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	-	-	-

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.

17.2 : Minimum Rates of Wages for different category of Agricultural Workers in different States/UTs under the Minimum Wages Act,1948

(As on 01-10-2019)

(Rs. per day)

Sl. No.	State/UTs	Categories							
		Unskilled		Semi Skilled		Skilled		Highly Skilled	
		Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1	Andhra Pradesh	161.00	424.00	179.00	447.00	182.00	507.00	182.00	611.00
2	Arunachal Pradesh	150.00	170.00	160.00	180.00	170.00	190.00	-	-
3	Assam	254.91	-	297.40	-	371.75	-	-	477.98
4	Bihar	268.00	-	279.00	-	340.00	-	-	415.00
5	Chhattisgarh	234.00	325.00	249.95	350.00	242.79	380.00	338.00	410.00
6	Goa	307.00	-	367.00	-	423.00	-	465.00	-
7	Gujarat	268.00	276.00	276.00	284.00	284.00	293.00	-	-
8	Haryana	339.51	-	359.46	374.31	393.03	412.88	433.31	-
9	Himachal Pradesh	225.00	225.00	233.47	242.00	261.52	269.17	282.50	329.50
10	Jammu & Kashmir	225.00	-	350.00	-	400.00	-	-	-
11	Jharkhand	249.83	-	261.73	-	345.01	-	398.54	-
12	Karnataka	262.40	-	-	-	-	-	-	607.32
13	Kerala	317.30	542.40	322.30	522.30	340.14	557.30	352.14	580.30
14	Madhya Pradesh	296.00	-	329.00	-	382.00	-	432.00	-
15	Maharashtra	180.00	315.49	-	-	-	-	-	-
16	Meghalaya	300.00	-	340.00	-	380.00	-	420.00	-
17	Manipur	273.00	-	248.00	-	225.00	-	-	-
18	Mizoram	270.00	-	300.00	-	370.00	-	460.00	-
19	Nagaland	115.00	-	125.00	-	135.00	-	145.00	-
20	Odisha	280.00	-	320.00	-	370.00	-	430.00	-
21	Punjab	325.53	-	355.53	-	390.03	-	429.73	-
22	Rajasthan	213.00	-	223.00	-	233.00	-	283.00	-
23	Sikkim	300.00	-	320.00	-	335.00	-	365.00	-
24	Tamil Nadu	244.45	654.73	248.95	731.73	265.00	808.73	332.61	832.50
25	Tripura	176.00	346.00	214.00	375.00	226.00	403.00	343.00	669.00
26	Uttarakhand	310.00	346.00	315.00	353.00	320.00	397.00	336.00	429.00
27	Uttar Pradesh	237.39	318.42	271.30	350.26	323.48	392.35	-	351.78
28	West Bengal	276.00	315.00	304.00	346.00	334.00	381.00	367.00	419.00
29	A & N Islands	451.00	-	508.00	-	593.00	-	651.00	-
30	Chandigarh	386.00	-	392.00	-	412.00	-	428.00	-
31	D & N Haveli	294.10	-	302.10	-	310.10	-	-	-
32	Daman & Diu	294.10	-	302.10	-	310.10	-	-	-
33	Delhi	538.00	-	592.00	-	652.00	-	-	-
34	Lakshadweep	314.80	-	339.80	-	364.80	-	389.80	-
35	Puducherry	206.00	336.00	216.00	346.00	209.00	352.00	233.00	359.00
36	Telangana	174.62	395.06	192.81	452.75	195.97	517.57	198.47	641.87

Source: Ministry of Labour & Employment

18

Livestock

18.1: Livestock Population in India

(Million Numbers)														
Species	1951	1956	1961	1966	1972	1977	1982	1987	1992	1997	2003	2007	2012	2019
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
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	192.52
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	109.85
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	299.90	302.75
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	74.28
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	148.88
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	0.62	0.34
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	0.25
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	9.06
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	0.08
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	0.12
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	0.06
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	535.82
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	851.81
Dogs	NC	NC	NC	NC	NC	NC	18.54	17.95	21.77	25.48	16.51	19.09	11.67	-
Rabbits	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	0.48	0.42	0.59	-

Source : Livestock Census, Department of Animal Husbandry and Dairying

NC : Not Collected

Note: Totals may not tally due to rounding of figures

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
2016-17	165.4	88.1	43.5
2017-18	176.3	95.2	41.5
2018-19	187.7	103.3	40.4

Source : Department of Animal Husbandry and Dairying

18.3: State-wise Production of Milk, Eggs, Meat and Wool

States/UTs	Milk ('000 Tonnes)						Egg (Lakh Nos.)					
	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Andhra Pradesh#	13007	9656	10817	12178	13725	15044	227875	130958	141743	158274	177776	197545
Arunachal Pradesh	43	46	50	53	54	55	400	417	427	495	550	595
Assam	815	829	843	861	872	882	4717	4728	4740	4771	4952	5015
Bihar	7197	7775	8288	8711	9242	9818	9308	9845	10021	11117	12185	12771
Chhattisgarh	1209	1232	1277	1374	1469	1567	14330	14732	15028	16638	17718	18927
Goa	68	67	54	51	55	57	60	75	352	292	299	327
Gujarat	11112	11691	12262	12784	13569	14493	15551	16565	17216	17940	17868	18544
Haryana	7442	7901	8381	8975	9809	10726	43591	45790	49133	52139	55855	60577
Himachal Pradesh	1151	1172	1283	1329	1392	1460	1075	1084	812	959	981	1007
Jammu & Kashmir	1615	1951	2273	2376	2460	2540	6649	4958	2309	2305	2334	2349
Jharkhand	1700	1734	1812	1894	2016	2183	4445	4663	4833	5103	5531	6379
Karnataka	5997	6121	6344	6562	7137	7901	41301	43968	47660	50671	55661	59994
Kerala	2655	2711	2650	2520	2576	2548	24769	25036	24425	23444	23481	22906
Madhya Pradesh	9599	10779	12148	13445	14713	15911	9671	11776	14414	16940	19422	21432
Maharashtra	9089	9542	10153	10402	11102	11655	48315	50792	52858	54774	56991	59649
Manipur	82	82	79	79	82	86	1164	1129	1037	992	1018	1053
Meghalaya	82	83	84	84	85	87	1049	1057	1064	1064	1074	1090
Mizoram	15	20	22	24	25	26	362	377	391	408	410	415
Nagaland	81	76	77	79	74	73	223	353	465	397	401	375
Odisha	1861	1903	1930	2003	2088	2311	23609	19245	19273	19745	20622	23453
Punjab	10011	10351	10774	11282	11855	12599	43376	42642	44218	47826	52250	55909
Rajasthan	14573	16934	18500	20850	22427	23668	11903	13202	13853	13633	14548	16616
Sikkim	46	50	67	54	59	61	99	58	102	68	63	55
Tamil Nadu	7049	7132	7244	7556	7742	8362	141235	159253	161252	166824	174161	188422
Telangana	-	4207	4442	4681	4965	5416	-	106185	112058	118186	126700	136868
Tripura	130	141	152	160	174	185	1794	1979	2161	2294	2621	2760
Uttar Pradesh	24194	25198	26387	27770	29052	30519	18122	20776	21929	22889	24398	26050
Uttarakhand	1550	1565	1656	1692	1742	1792	3370	3697	3907	4119	4298	4532
West Bengal	4906	4961	5038	5183	5389	5607	47460	48136	60108	65536	76434	85999
A&N Islands	14	16	15	16	17	18	1193	861	989	1032	1074	1139
Chandigarh	44	44	43	36	42	45	173	169	167	154	160	164
D. & N. Haveli*	11	9	9	8	8	-	73	73	73	73	73	0
Daman & Diu	1	1	1	1	1	1	13	19	8	4	5	5
Delhi*	284	280	281	279	279	-	-	-	0	0	0	0
Lakshadweep	6	4	3	3	4	4	129	126	144	147	142	142
Puducherry	47	48	48	48	49	49	113	113	114	114	114	114
All India	137686	146314	155491	165404	176347	187749	747519	784839	829284	881370	952170	1033176

contd...

States/UTs	Meat ('000 Tonnes)						Wool ('000 Kgs)					
	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19
(1)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)
Andhra Pradesh#	935	528	566	633	709	781	5037	778	789	792	794	797
Arunachal Pradesh	18	19	19	20	21	22	22	24	36	58	60	43
Assam	38	43	45	47	48	50	-	-	-	-	-	-
Bihar	292	294	302	326	343	365	271	278	240	281	298	312
Chhattisgarh	29	38	41	49	55	61	106	116	90	87	82	82
Goa	5	8	8	7	8	8	-	-	-	-	-	-
Gujarat	33	34	34	33	33	33	2578	2577	2283	2267	2295	2271
Haryana	367	381	403	427	470	512	1390	1429	702	691	693	719
Himachal Pradesh	4	4	4	4	4	5	1655	1663	1409	1475	1482	1503
Jammu & Kashmir	33	45	75	85	87	92	8710	8371	6866	7266	7489	7629
Jharkhand	45	48	51	55	58	62	156	161	166	178	187	199
Karnataka	170	181	197	209	228	254	7755	8821	8191	6588	4305	3058
Kerala	416	446	466	469	469	457	-	-	-	-	-	-
Madhya Pradesh	48	59	70	79	89	97	466	484	442	406	408	410
Maharashtra	605	631	675	845	925	1021	1539	1386	1390	1407	1437	1457
Manipur	25	27	26	27	28	28	-	-	-	-	-	-
Meghalaya	40	41	41	41	43	45	-	-	-	-	-	-
Mizoram	12	13	14	15	16	16	-	-	-	-	-	-
Nagaland	67	67	36	31	32	32	-	-	-	-	-	-
Odisha	154	163	165	177	183	202	-	-	-	-	-	-
Punjab	235	237	250	249	276	231	558	461	473	490	515	525
Rajasthan	175	181	180	180	188	192	15027	14463	13415	14321	14287	14522
Sikkim	3	3	6	4	4	4	1	0	0	0	0	0
Tamil Nadu	465	492	544	573	603	634	2	1	1	2	2	2
Telangana	-	505	542	591	645	754	-	4423	4562	4658	4506	4264
Tripura	32	34	37	40	45	48	-	-	-	-	0	-
Uttar Pradesh	1221	1397	1418	1346	1151	1227	1473	1494	1265	1286	1300	1316
Uttarakhand	24	26	271	28	29	29	440	469	513	538	564	552
West Bengal	649	657	686	706	773	831	725	740	748	753	758	760
A&N Islands	2	5	5	5	5	5	-	-	-	-	-	-
Chandigarh	1	1	1	1	1	1	-	-	-	-	-	-
D. & N. Haveli	0	0	0	0	-	-	-	-	-	-	-	-
Daman & Diu	0	1	1	1	0	0	-	-	-	-	-	-
Delhi	77	70	70	66	66	-	-	-	-	-	-	-
Lakshadweep	0	0	1	0	0	0	-	-	-	-	-	-
Puducherry	14	14	15	15	15	15	-	-	-	-	-	-
All India	6235	6691	7020	7386	7656	8114	47909	48140	43581	43544	41463	40420

Source : Department of Animal Husbandry and Dairying

Till 2013-14 the figures of Andhra Pradesh includes Telangana

"-" Not Available/Not Received * previous year data used

19

Fish Production

19.1: Fish Production in India

('000 Tonnes)

Year	Inland	Marine	Total
(1)	(2)	(3)	(4)
1950-51	218	534	752
1955-56	243	596	839
1960-61	280	880	1160
1965-66	507	824	1331
1970-71	670	1086	1756
1973-74	748	1210	1958
1978-79	816	1490	2306
1979-80	848	1492	2340
1980-81	887	1555	2442
1981-82	999	1445	2444
1982-83	940	1427	2367
1983-84	987	1519	2506
1984-85	1103	1698	2801
1985-86	1160	1716	2876
1986-87	1229	1713	2942
1987-88	1301	1658	2959
1988-89	1335	1817	3152
1989-90	1402	2275	3677
1990-91	1536	2300	3836
1991-92	1710	2447	4157
1992-93	1789	2576	4365
1993-94	1995	2649	4644
1994-95	2097	2692	4789
1995-96	2242	2707	4949
1996-97	2381	2967	5348
1997-98	2438	2950	5388
1998-99	2602	2696	5298
1999-00	2823	2852	5675
2000-01	2845	2811	5656
2001-02	3126	2830	5956
2002-03	3210	2990	6200
2003-04	3458	2941	6399
2004-05	3526	2779	6305
2005-06	3756	2816	6572
2006-07	3845	3024	6869
2007-08	4207	2920	7127
2008-09	4638	2978	7616
2009-10	4894	3104	7998
2010-11	4981	3250	8231
2011-12	5294	3372	8666
2012-13	5719	3321	9040
2013-14	6136	3443	9579
2014-15	6691	3569	10260
2015-16	7162	3600	10762
2016-17	7806	3625	11431
2017-18	8902	3688	12590
2018-19 (P)	9710	3712	13422

Source : Department of Fisheries

P: Provisional

19.2: State-wise Production of Fish

('000 Tonnes)

S.No.	State/UTs	2016-17			2017-18			2018-19 (P)		
		Inland	Marine	Total	Inland	Marine	Total	Inland	Marine	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1	Andhra Pradesh	2185.95	580.24	2766.19	2844.61	604.95	3449.56	3391.94	600.42	3992.36
2	Arunachal Pradesh	4.11	0.00	4.11	4.25	0.00	4.25	4.67	0.00	4.67
3	Assam	306.60	0.00	306.60	327.26	0.00	327.26	331.53	0.00	331.53
4	Bihar	509.08	0.00	509.08	587.85	0.00	587.85	602.13	0.00	602.13
5	Chhattisgarh	376.80	0.00	376.80	457.17	0.00	457.17	469.76	0.00	469.76
6	Goa	4.34	113.56	117.89	5.54	118.47	124.01	4.83	115.46	120.29
7	Gujarat	116.73	698.83	815.56	133.79	700.74	834.53	79.17	645.50	724.67
8	Haryana	144.21	0.00	144.21	190.00	0.00	190.00	217.53	0.00	217.53
9	Himachal Pradesh	12.51	0.00	12.51	12.77	0.00	12.77	13.40	0.00	13.40
10	Jammu & Kashmir	20.39	0.00	20.39	20.70	0.00	20.70	22.44	0.00	22.44
11	Jharkhand	145.16	0.00	145.16	190.00	0.00	190.00	208.00	0.00	208.00
12	Karnataka	158.56	398.93	557.49	188.17	414.35	602.52	197.92	389.49	587.41
13	Kerala	161.42	431.43	592.85	148.28	414.34	562.62	165.68	548.79	714.46
14	Madhya Pradesh	138.69	0.00	138.69	143.42	0.00	143.42	173.19	0.00	173.19
15	Maharashtra	200.17	462.75	662.91	131.02	474.99	606.01	113.64	469.74	583.38
16	Manipur	32.00	0.00	32.00	33.00	0.00	33.00	32.15	0.00	32.15
17	Meghalaya	12.33	0.00	12.33	11.96	0.00	11.96	0.01	0.00	0.01
18	Mizoram	7.63	0.00	7.63	7.64	0.00	7.64	7.23	0.00	7.23
19	Nagaland	8.61	0.00	8.61	8.99	0.00	8.99	9.78	0.00	9.78
20	Odisha	455.00	153.10	608.10	534.12	150.84	684.96	577.67	155.76	733.43
21	Punjab	132.72	0.00	132.72	136.64	0.00	136.64	135.83	0.00	135.83
22	Rajasthan	50.20	0.00	50.20	54.04	0.00	54.04	55.85	0.00	55.85
23	Sikkim	0.38	0.00	0.38	0.38	0.00	0.38	0.39	0.00	0.39
24	Tamil Nadu	197.30	472.00	669.31	185.05	496.89	681.94	219.43	511.23	730.67
25	Telangana	198.92	0.00	198.92	270.04	0.00	270.04	328.41	0.00	328.41
26	Tripura	72.45	0.00	72.45	76.80	0.00	76.80	84.53	0.00	84.53
27	Uttarakhand	4.30	0.00	4.30	4.58	0.00	4.58	4.95	0.00	4.95
28	Uttar Pradesh	617.69	0.00	617.69	628.75	0.00	628.75	662.00	0.00	662.00
29	West Bengal	1525.29	176.53	1701.82	1556.61	185.48	1742.09	1588.35	181.96	1770.31
30	A&N Islands	0.23	38.58	38.81	0.22	39.28	39.50	0.24	40.95	41.19
31	Chandigarh	0.13	0.00	0.13	0.14	0.00	0.14	0.16	0.00	0.16
32	D&N Haveli	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33	Daman and Diu	0.62	23.40	24.02	0.41	24.27	24.68	0.00	5.38	5.38
34	Delhi	0.95	0.00	0.95	0.80	0.00	0.80	0.79	0.00	0.79
35	Lakshadweep	0.00	29.80	29.80	0.00	20.77	20.77	0.00	21.91	21.91
36	Puducherry	4.32	45.93	50.25	7.44	42.48	49.92	5.94	25.43	31.38
	All India	7805.77	3625.08	11430.84	8902.42	3687.86	12590.29	9709.54	3712.02	13421.56

Source : Department of Fisheries

P: Provisional

20

**Rainfall Scenario and Management of
Natural Disasters**

20.1: Rainfall Status

Rainfall in 2019 (January – December, 2019)

In 2019 (as on 10th December, 2019), the rainfall during January to December over the country as a whole was 109% of Long Period Average (LPA). Out of 36 meteorological sub-divisions, 12 subdivisions received excess rainfall, 21 sub-divisions received normal rainfall and 03 sub-divisions received deficient rainfall. Season-wise rainfall distribution over the country as a whole was as follows:

Winter (January to February 2019):	124% of LPA
Pre-monsoon (March to May 2019):	75% of LPA
Monsoon (June to September 2019):	110% of LPA
Post-Monsoon (October to December 2019):	130% of LPA

Season-wise Performance

Winter Season (January – February 2019)

During the winter season rainfall activity over the country as a whole was recorded 24% excess of the LPA. At met sub-division level out of 36 met sub-divisions, 13 sub-divisions received large excess/excess rainfall, 03 sub-divisions received normal rainfall, 13 received deficient, 05 sub-divisions received large deficient rainfall and 02 sub-divisions received no rainfall.

Pre-Monsoon Season (March – May 2019)

Rainfall activity during the pre-monsoon season over the country as a whole was recorded deficit at 75% of LPA. Out of 36 meteorological sub-divisions, 04 received large excess/excess rainfall, 09 received normal rainfall, 13 received deficient rainfall and 10 met sub-divisions received large deficient rainfall.

Monsoon Season (June – September 2019)

During the monsoon season for the country as a whole, rainfall was 110% of LPA. Seasonal rainfall was 98% of LPA over Northwest India, 129% of LPA over Central India, 116% of LPA over South Peninsula and 88% of LPA over East and Northeast (NE) India. At met sub-division level, out of 36 met sub-divisions, 12 met sub-divisions received large excess/excess rainfall, 19 sub-divisions received normal rainfall and 05 sub-divisions received deficient rainfall. Sub-divisions having excess/normal rainfall covered 77% of the geographical area of the country. Out of 678 districts for which rainfall data were available, 64 districts (9%) received large excess rainfall, 135 districts (20%) received excess rainfall, 323 districts (48%) normal rainfall, 143 districts (21%) deficient rainfall and 13 districts (2%) received large deficient rainfall.

Post-Monsoon Season (October - December 2019)

Rainfall activity during the post-monsoon season (as on 10.12.2019) for the country as a whole was recorded 30% excess of LPA. Out of 36 meteorological sub-divisions, 23 subdivisions received large excess/excess rainfall, 06 subdivisions received normal rainfall, 06 sub-divisions received deficient rainfall and 01 sub-division received large deficient rainfall.

**20.2: Performance of South West Monsoon during 1989 to 2019
(1 June - 30 September)**

Year	Number of Meteorological Sub-Divisions [@]		Percentage of Districts with Large Excess/Excess/Normal Rainfall	Actual Rainfall as % of Normal Rainfall (All India)
	Large Excess/Excess/Normal Rainfall	Deficient/Large Deficient Rainfall		
(1)	(2)	(3)	(4)	(5)
1989	29	6	72	101
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	77
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
2017	30	6	66	95
2018	24	12	62	91
2019	31	5	77	110

Source: Directorate of Economics & Statistics, DAC&FW

@: Total number of Meteorological sub-divisions was 35 upto 2001. From 2002 onwards, the no. of meteorological sub-divisions is 36.

Large Excess :- + 60 or more of Long Period Average Rainfall

Excess : Between + 20% and + 59% 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

Large Deficient : Between -60% and -99% of Long Period Average Rainfall

20.3: All India rainfall distribution from 1992-93 to 2019-20

(In Millimeters)

Year	Monsoon Season (June-September)			Post-Monsoon* (October-December)			Winter Season (January-February)			Pre-monsoon Season (March-May)			Overall Rainfall (June-May)		
	Actual	Normal	%Dep.	Actual	Normal	%Dep.	Actual	Normal	% Dep.	Actual	Normal	%Dep.	Actual	Normal	%Dep
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
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	-1.0	138.4	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	-0.6	99.3	125.9	-21.1	34.3	43.8	-21.7	112.8	133.6	-15.6	1133.0	1195.5	-5.2
2007-08	936.9	892.2	5.0	85.4	125.9	-32.2	42.6	43.2	-1.4	115.3	133.5	-13.6	1180.2	1194.8	-1.2
2008-09	873.2	892.2	-2.1	87.2	125.9	-30.7	23.6	43.8	-46.1	91.0	134.5	-32.3	1075.0	1196.4	-10.1
2009-10	689.8	892.2	-22.7	135.5	125.9	7.6	24.6	43.8	-43.8	122.9	133.7	-8.1	972.8	1195.6	-18.6
2010-11	912.8	893.2	2.2	153.2	126.3	21.3	31.9	40.9	-22.0	114.4	131.3	-12.9	1212.3	1191.7	1.7
2011-12	899.9	887.5	1.4	65.7	127.2	-48.3	38.8	40.9	-5.1	90.3	131.3	-31.2	1094.7	1186.9	-7.8
2012-13	819.5	886.9	-7.6	100.6	127.2	-20.9	51.4	40.9	25.7	101.9	131.3	-22.4	1073.4	1186.3	-9.5
2013-14	936.7	886.9	5.6	149.5	127.2	17.5	46.2	40.9	13.0	130	131.3	-1.0	1262.4	1186.3	6.4
2014-15	777.5	886.9	-12.3	85.2	127.2	-33.0	37.6	41.4	-9.2	181.5	131.5	38.0	1081.8	1187.0	-8.9
2015-16	760.6	887.5	-14.3	97.8	127.2	-23.1	17.9	41.4	-56.8	131.0	131.5	-0.4	1007.3	1187.6	-15.2
2016-17	862.0	887.5	-2.9	69.7	127.2	-45.2	39.3	41.4	-5.1	128.4	131.5	-2.4	1099.4	1187.6	-7.4
2017-18	841.3	887.5	-5.2	112.7	127.2	-11.4	15.4	41.4	-62.8	117	131.5	-11.0	1086.4	1187.6	-8.5
2018-19	804.0	887.5	-9.4	71.2	127.2	-44.0	51.4	41.4	24.2	99	131.5	-24.7	1025.6	1187.6	-13.6
2019-20	968.3	880.6	10.0	146.3	112.2	30.4									

Source: Directorate of Economics & Statistics, DAC&FW

*:- Till 10.12.2019.

20.4: Broad region-wise Monsoon (June-September) Rainfall Distribution from 2005 to 2019

(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
2017	552.9	615.0	-10	918.8	975.5	-6	717.6	716.1	0	1386.4	1438.3	-4
2018	603.2	615.0	-2	911.3	975.5	-7	704.4	716.1	-2	1087.5	1438.3	-24
2019	586.0	599.5	-2	1262.8	976.6	29	840.9	726.2	16	1240.7	1410.4	-12

Source : Directorate of Economics & Statistics, DAC&FW

20.5 : Rainfall in 2019

S.No.	Meteorological Sub-Divisions	Total Rainfall in Winter-2019			Total Rainfall in pre-Monsoon-2019			Total Rainfall in Monsoon-2019			Total Rainfall in post-Monsoon-2019			Total Rainfall in 2019 (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	18.0	117	46.5	28.2	-39	165.4	233.1	41	58.2	27.7	-52	278.4	307.0	10
2	Arunachal Pradesh	14.8	9.6	-36	75.0	54.9	-27	172.7	153.8	-11	23.9	13.6	-43	286.4	231.9	-19
3	Assam & Meghalaya	4.7	2.7	-42	59.0	59.0	0	177.4	156.8	-12	18.8	20.4	8	259.9	238.8	-8
4	Naga., Mani., Mizo & Tripura	4.4	2.7	-39	49.4	28.3	-43	142.7	111.5	-22	21.3	18.2	-15	217.8	160.7	-26
5	Sub-Himalayan. WB & Sikkim	6.0	4.0	-35	45.7	43.2	-6	197.1	188.4	-4	17.2	11.8	-32	266.0	247.3	-7
6	Gangetic West Bengal	3.4	9.0	162	16.5	22.7	38	118.2	94.1	-20	15.1	23.3	54	153.2	149.1	-3
7	Odisha	3.2	2.4	-24	13.5	14.9	10	115.5	123.3	7	12.8	18.7	46	144.9	159.2	10
8	Jharkhand	3.3	2.7	-20	7.9	10.6	33	105.5	86.6	-18	8.6	12.8	49	125.3	112.6	-10
9	Bihar	2.3	3.1	35	7.8	7.0	-10	101.7	105.0	3	6.9	2.6	-63	118.6	117.7	-1
10	East U.P.	2.9	3.4	16	3.2	1.0	-69	83.9	84.7	1	4.3	2.6	-38	94.3	91.6	-3
11	West U.P.	3.3	4.2	27	2.9	1.8	-40	72.1	52.7	-27	2.7	1.9	-31	81.1	60.6	-25
12	Uttarakhand	10.6	20.2	90	15.6	10.1	-35	117.7	96.0	-18	4.5	5.6	24	148.4	132.0	-11
13	Haryana, Chandigarh and Delhi	3.3	3.2	-2	3.4	3.7	7	44.4	25.9	-42	1.5	1.8	20	52.6	34.6	-34
14	Punjab	5.0	10.0	102	5.4	5.5	3	46.7	44.4	-5	1.6	3.5	119	58.6	63.5	8
15	Himachal Pradesh	19.6	28.1	43	24.5	13.5	-45	76.4	68.4	-10	5.4	7.1	31	125.8	117.0	-7
16	Jammu & Kashmir	21.3	35.7	68	32.6	21.9	-33	56.8	44.6	-21	7.9	18.9	138	118.6	121.1	2
17	West Rajasthan	0.7	0.7	-5	1.9	3.2	65	26.5	31.5	19	1.0	4.2	318	30.2	39.6	31
18	East Rajasthan	1.1	0.8	-25	1.7	2.6	49	60.3	92.0	53	2.3	3.4	48	65.4	98.8	51
19	West Madhya Pradesh	1.4	0.7	-51	1.4	1.3	-1	85.8	138.3	61	4.7	6.4	37	93.2	146.7	57
20	East Madhya Pradesh	3.5	2.1	-42	2.5	2.5	-2	104.8	131.0	25	5.1	3.8	-25	116.0	139.3	20
21	Gujarat Region	0.1	0.0	-63	0.7	0.1	-83	92.3	119.3	29	2.9	8.3	190	95.9	127.8	33
22	Saurashtra, Kutch & Diu	0.0	0.1	294	0.4	0.0	-90	50.7	84.0	66	2.7	6.2	132	53.8	90.3	68
23	Konkan & Goa	0.0	0.0	-100	3.7	0.1	-98	287.5	438.6	53	13.7	28.2	105	305.0	466.8	53
24	Madhya Maharashtra	0.2	0.0	-100	3.8	0.8	-78	75.1	116.7	55	10.0	22.8	128	89.1	140.3	58
25	Marathwada	0.7	0.0	-95	3.0	0.6	-80	66.9	59.1	-12	9.6	25.6	165	80.2	85.3	6
26	Vidarbha	1.7	1.2	-29	3.1	0.7	-78	94.3	105.5	12	7.6	6.4	-17	106.8	113.8	7
27	Chhattisgarh	2.1	2.6	24	4.7	3.9	-17	114.2	125.6	10	7.3	10.1	39	128.3	142.1	11
28	Coastal Andhra Pradesh and Yanam	1.9	1.2	-36	9.7	5.8	-41	58.7	64.1	9	32.4	29.5	-9	102.7	100.5	-2
29	Telangana	1.2	2.5	107	5.6	2.8	-51	76.0	80.5	6	12.0	17.3	43	94.8	103.0	9
30	Rayalseema	0.7	1.4	112	8.2	4.5	-45	41.2	46.0	12	21.3	22.0	3	71.3	73.8	4
31	Tamil Nadu & Pondicherry	3.1	0.5	-84	12.8	5.2	-60	34.2	40.2	18	39.8	42.5	7	89.9	88.3	-2
32	Coastal Karnataka	0.1	0.0	-68	17.9	4.7	-73	309.5	379.7	23	25.2	57.7	129	352.7	442.1	25
33	North Interior Karnataka	0.4	0.1	-78	8.5	4.4	-48	49.7	61.2	23	13.5	24.5	82	72.1	90.2	25
34	South Interior Karnataka	0.4	0.9	97	14.5	11.6	-20	68.2	83.9	23	19.8	30.5	54	103.0	126.9	23
35	Kerala	2.4	1.3	-46	38.0	17.1	-55	204.9	231.0	13	47.7	61.4	29	293.0	310.8	6
36	Lakshadweep	3.6	2.8	-21	23.2	3.8	-84	101.3	123.2	22	29.3	81.4	178	157.4	211.2	34
	All-India (Area Weighted)	4.1	5.1	24	13.2	9.9	-25	88.1	96.8	10	11.2	14.6	30	116.6	126.5	9

Winter (Jan - Feb)

Pre-Monsoon (March -May)

Monsoon (June - Sept.)

Post-Monsoon (Oct- Dec)

Source : Directorate of Economics & Statistics, DAC&FW

20.6: Brief History of Most Intense Cyclones from 1970-2019

S.No.	Name of Cyclone	Date and Year	Intensity (T-Number)	Observed/ Estimated Max. Wind	Damage
(1)	(2)	(3)	(4)	(5)	(6)
I. Over the Arabian Sea					
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 Junagarh, 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 Rs. 3 Crores. 4 Burges each containing Rs. 5 lakh and 6 fishing boats were swept away. Mahasana, Bhavnagar, Kaira, Panchmahal, Rajkot and Bharoch districts of Gujarat state were most affected areas.
3	Severe Cyclonic Storm over the Arabian sea	November 13 - 23 1977	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	4.0 (as per US satellite)	65 Knots 120 Kmph	Junagarh, Rajkot and Jamnagar of Gujarat state were most affected areas, Total loss of damage to property was estimated to be about Rs. 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	4	50 Knots 93 Kmph	50 fishermen were reported missing in Gujarat Coast.
8	Severe Cyclonic Storm over the Arabian sea	June 17-20, 1996	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 Rs. 1803.52 lakh.
9	Severe Cyclonic Storm over the Arabian sea	October 23-28, 1996	4	60 Knots 111 Kmph	As the system did not cross the coast no significant damage was reported.
10	Very severe Cyclonic Storm over the Arabian sea	June 4-10, 1998	5	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 Rs. 1855.38 crores in Kandla. Number of lives lost 1173 and number of persons missing 1774 in Gujarat.

(Contd..)

S.No.	Name of Cyclone	Date and Year	Intensity (T-Number)	Observed/ Estimated Max. Wind	Damage
(1)	(2)	(3)	(4)	(5)	(6)
11	Very severe Cyclonic Storm over the Arabian sea	May 16-22, 1999	T- 5.5	55 Knots 102 Kmph	This system caused severe damage in Kutch and Jamnagar districts of Gujarat. 453 people died. Loss of property was estimated to be about Rs. 80 crores. In Rajasthan one person died and 5104 cattle heads perished. 5133 houses were partially damaged.
12	Severe Cyclonic Storm over Arabian sea	May 5-10, 2004	3.5	Weakened over sea	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 Rs. 30 crores.
13	Severe Cyclonic Storm "MUKDA"	September 21-24, 2006	3.5	55 Knots 102 Kmph	No damage as system dissipated over the Arabian Sea.
14	Super cyclone "GONU"	01-07 June 2007	6.5	127 knots	The system crossed Makaran coast and hence there was no damage in India
15	Cyclonic storm "YEMYIN"	25 - 26 June 2007	2.5	35 knots	The cyclone crossed Pakistan coast and hence there was no damage in India
16	Cyclonic Storm "PHYAN"	9-12 Nov. 2009	3.0	45 Knots 83 Kmph	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, Raigarh and Thane districts. About 1000 houses damaged, seven persons died and about 44 fishermen missing.
17	Cyclonic Storm "WARD"	10-15 Dec. 2009	3.0	45 Kts (83 Kmph)	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 "KEILA"	29 th October to 4 th November, 2011	2.5	35 kts (65 kmph)	No damages over India.
21	Cyclonic Storm "NANAUK"	10 th June to 14 th June, 2014	3	45 kts (83 kmph)	No damages over India.
22	Very severe Cyclonic Storm 'NILOFAR'	25 th October to 31 st October, 2014	5.5	110 kts (204 kmph)	No damages over India.
23	Cyclonic Storm "Ashobaa"	7-12 June, 2015	3	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.

(Contd..)

S.No.	Name of Cyclone	Date and Year	Intensity (T-Number)	Observed/ Estimated Max. Wind	Damage
(1)	(2)	(3)	(4)	(5)	(6)
24	Extremely severe Cyclonic Storm "Chapala"	28th Oct. 2015	6	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 (14.1° N. 48.65° E). More than 50,000 people in Yemen including about 18,000 in Socotra Island were displaced due to this cyclone. No damage occurred over India due to this system.
25	Extremely severe Cyclonic Storm "Megh"	5-10 November, 2015	T 5.0	95 Knots	Crossed Yemen coast at lat.13.4° N, 46.1°E. 18 deaths and dozens were injured in Yemen. More than 500 houses 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.
26	Very severe Cyclonic Storm "Vayu"	10-17 June, 2019	4.5	80 knots	No significant damage occurred
27	Very severe Cyclonic Storm "Hikaa"	22-25 September, 2019	4.5	75 knots	No damage over the Indian region
28	Extremely severe Cyclonic Storm "Kyarr"	24 Oct-02 November, 2019	6.5	130 knots	No significant damage occurred
29	Extremely severe Cyclonic Storm "Maha"	30 Oct-07 November, 2019	5.5	100 knots	No significant damage reported
30	Cyclonic storm "Pawan"	02-07 December, 2019	2.5	40 knots	No damage over the Indian region

(Contd..)

S.No.	Name of Cyclone	Date and Year	Intensity (T-Number)	Observed/ Estimated Max. Wind	Damage
(1)	(2)	(3)	(4)	(5)	(6)
II. Over the Bay of Bengal					
1	Bangladesh (Chittagong)	November 12-13, 1970	N/A	224 Kmph	30,00,000 people died
2	Balasore (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. Storm surge height 5 m.
4	Sri Harikota (A.P.)	November 9-14, 1984	6	213 Kmph	604 people died.
5	Indo-Bangladesh Border	November 24-30, 1988	6	213 Kmph	2000 people died. 6000 people missing in Bangladesh.
6	Kavali (A.P.)	November 1-9, 1989	6.5	235 Kmph	69 people died.
7	Machilipatnam (A.P.)	May 4-9, 1990	6.5	235 Kmph	967 people died.
8	Bangladesh (Chittagong)	April 25-30, 1991	6.5	235 Kmph	1,38,882 people died. 1,39,054 people injured.
9	Bangladesh (Teknaf)	April 24 - May 2, 1994	6	215 Kmph	184 people killed
10	Bangladesh (Teknaf)	May 15-19, 1997	6	230 Kmph As reported by Bangladesh Met. Office	155 people died. 9663 people injured.
11	Gopalpur Cyclone (Odisha)	October 15-19, 1999	5	170 Kmph	198 people died. 402 persons injured.
12	Super Cyclone (Odisha)	October 25-31, 1999	7	260 Kmph	9887 people died. 129.22 lakh people affected.
13	Very severe Cyclonic Storm over the bay of Bengal.	November 26-30 , 2000	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.

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S.No.	Name of Cyclone	Date and Year	Intensity (T-Number)	Observed/ Estimated Max. Wind	Damage
(1)	(2)	(3)	(4)	(5)	(6)
14	Very severe Cyclonic Storm over the bay of Bengal	December 23-28, 2000	5	90 Knots 167 Kmph	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 kmph	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 kmph	Two travelers damaged and 18 people died in Odisha and another two trawlers missing. In West Bengal 2 people died.
17	Severe Cyclonic Storm over Bay of Bengal	December 11-16, 2003	3.5	55 Knots 102 kmph	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 Rs. 23903.13 Lakh. No of villages electric failure are 2000 and telecommunication disruption are in 41 villages.
18	Cyclonic Storm "PYARR"	September 17-21, 2005	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 Rs. 177.28 lakhs) , Crop loss - 4,82,188 hectares (estimated cost Rs. 627.74 lakhs) , Total loss estimated by Government - Rs. 5029.82 lakhs.
19	Cyclonic storm "BAAZ"	November 28-December-02, 2005	3	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"	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"	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 : Rs. 21,601 lakhs.

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S.No.	Name of Cyclone	Date and Year	Intensity (T-Number)	Observed/ Estimated Max. Wind	Damage
(1)	(2)	(3)	(4)	(5)	(6)
22	Cyclonic storm " AKASH "	13 -15 May 2007	6	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	6	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.
24	Nargis	27thApril 2008 to3rd May	5	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	3	50 Knots 93 Kmph	Significant damage was reported over northeastern states. Numbers of human death were 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 wahumkhrah river. Incessant rain and wind uprooted most of the electric posts in Shillong. According to Assam electricity Board the uprooted trees sanpped 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 November to 16th November 2008	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 konapapapeta in kothapalli mandal of East Godavari. A big ship was carried away by the waves along the Wakalapudi beach near kakinada of East Godavari district. Many boats and fishing nets wear swept off in the areas adjoining Wakadu, Alluru, Mypad,Gangapatnam in Nellore district.
27	Nisha	25th to 27th November, 2008	3	45 Knots 83 Kmph	As per the Tamil Nadu Govt. Revenue site, loss of life were 78 over the state during 24th to 28th November,2008 As per media reports 8 lakhs acres of paddy crops in Nagapattinam, Thanjavur and Tiruvarur (delta) 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 Andhra 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 "	14-17 April 2009	2.5	40 Knots 74 Kmph	No damage over India.

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S.No.	Name of Cyclone	Date and Year	Intensity (T-Number)	Observed/ Estimated Max. Wind	Damage
(1)	(2)	(3)	(4)	(5)	(6)
29	Severe Cyclonic Storm "AILA"	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 "Laila"	17 - 21 May, 2010	3.5	55 knots	-
31	Cyclonic Storm "Giri"	20 - 23 October, 2010	5.5	105 knots	-
32	Cyclonic Storm "Jal"	04 - 07 November, 2010	3.5	60 knots	-
33	Very Severe Cyclonic Storm "THANE"	25 th - 31 st December, 2011	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. 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 Rs. 1300 to 1500 crores.

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S.No.	Name of Cyclone	Date and Year	Intensity (T-Number)	Observed/ Estimated Max. Wind	Damage
(1)	(2)	(3)	(4)	(5)	(6)
34	Cyclone Storm "MURJAN"	23rd - 26th Oct-12	2.5	40 Knots (75 kmph)	No damage over India
35	Cyclonic Storm ' Viyaru '	10-16 May 2013	3	45 Knots (83 kmph)	No damage over Indian Basin (Name of the coast of landfall)
36	Very Severe Cyclonic Storm "PHAILIN"	08-14 Oct. 2013	6	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 19.2°N and 84.9°E
37	Bengal "NILAM"	28th October to 1st November 2013	3	45 Knots (85 kmph)	No damage over India
38	Severe Cyclonic Storm "Helen"	19-23 Nov 2013	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 "Lehar"	23-28 Nov. 2013	4	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 "Madi"	06-13 Dec.2013	4	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
41	Very severe Cyclonic Storm "HUDHUD"	7 th October to 14th October, 2014	5	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	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.
43	Cyclonic Storm "ROANU"	17th May to 22th May2016	3	45 Knots	Crossed Bangladesh coast near latitude 22.6°N and longitude 91.6°E.It was responsible for 101 deaths and displacing over 1,34,000 people in Sri Lanka.overall 1,10,684 families were partially and 29,168 fully affected by CS Roanu. 24 people lost their lives and 2 were reported missing.
44	Cyclonic Storm "KYANT"	21st October to 28 October 2016	2.5	40 Knots	Weakened over west central BoB off Andhra Pradesh coast. As cyclone Kyant weakened over sea, no damage was reported due to this system.
45	Cyclonic Storm "NADA"	29th November to 02 December 2016	2.5	40 Knots	Crossed north Tamil Nadu coast near Nagapattinam. No damage was reported as Nada weakened and crossed coast as a depression.

(Contd..)

S.No.	Name of Cyclone	Date and Year	Intensity (T-Number)	Observed/ Estimated Max. Wind	Damage
(1)	(2)	(3)	(4)	(5)	(6)
46	Cyclonic Storm "VARDAH"	06th December to 13th December 2016	4	70 Knots	Crossed north Tamil Nadu coast near Chennai. As per media report, Cyclone Vardah wreaked havoc in the remote islands of Andaman like Diglipur, Rangat and Billyground that witnessed a flood-like situation due to torrential rains. 24 deaths related to the cyclone have been reported in the state of Tamil Nadu. Severe Crop damages occurred in Tiruvallur, Kanchipuram, Vellore and Tiruvannamalai districts of north Tamil Nadu. There was damage to paddy, groundnut, blackgram, greengram and coconut causing a loss of nearly 33 % in these districts in an area of 34206.13 Hectare. The estimated loss of Agriculture produce valued Rs. 35571 Crore.
47	Cyclonic Storm "Maarutha"	15- 17 April, 2017	2.5	40 knots	Crossed Myanmar coast near Sandoway (Thandwe) near 18.4N/94.3E. Three people were killed in Irrawaddy Division of Myanmar. A total of 81 houses were damaged by the storm.
48	Severe Cyclonic Storm(SCS) "Mora"	28-31 May, 2017	3.5	60 knots	Crossed Bangladesh coast close to south of Chittagong near 22. 0N/91.9E. No casualties were reported from any Indian State due to SCS Mora. However, rains triggered landslides at many places in Mizoram. It is reported that about 20 houses were damaged in Khawbung village of Champhai district. About 10 houses including a church have been also been damaged in Serchhip district. As per preliminary report released by Department of Disaster Management, Government of the People's Republic of Bangladesh 7 people lost their lives and 61 got injured due to 'Cyclone Mora'.
49	Very Severe Cyclonic Storm "Ockhi"	29 Nov-05 Dec, 2017	4.5	85 knots	As per report from Ministry of Home affairs, Govt. of India, about 35 persons lost their lives and 199 went missing in Tamil Nadu. About 6,868 houses were damaged in Tamil Nadu. As per report from Ministry of Home affairs, Govt. of India, Kerala state witnessed loss of lives of 75 persons and 137 fishermen went missing and about 3600 houses were damaged by cyclone Ockhi. No death was reported from Lakshadweep Islands. However normal life at Kalpeni, Minicoy and Kavaratti was badly hit by cyclone and there was damage to structures and agricultural crops, coconut trees, etc. From Karnataka, no death was reported but three houses were damaged and 15 coconut palms were uprooted & some washed away in Ullal, Someshwar-Uchil areas near Mangaluru.
50	Cyclonic Storm "Pabuk"	04-08 January, 2019	2.5	40 knots	No significant damage reported
51	Extremely Severe Cyclonic Storm "Fani"	26 April-04 May, 2019	6	115 knots	64 persons died, 135,876 Pucca & Kutcha houses damaged
52	Very Severe Cyclonic Storm "Bulbul"	05-11 November, 2019	4.5	75 knots	12 persons died.

Source :- India Meteorological Department

21

**Conversion Factors between
Important Primary and Secondary
Agricultural Commodities**

21 : Conversion Factors between Important Primary and Secondary Agricultural Commodities

Commodity (1)	Conversion Factor (2)
Rice (Cleaned) Production	2/3 of Paddy Production
Cotton	
Cotton Lint Production	1/3 of Kapas Production
Cotton Seed Production	2/3 of Kapas Production
	2 Times of Cotton Lint Production
Jute	
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)
Groundnut	
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
Sesamum	
Oil to Seeds Crushed	40 Percent
Cake to Seeds Crushed	60 Percent
Rapseed and Mustard	
Oil to Seeds Crushed	33 Percent
Cake to Seeds Crushed	67 Percent
Linseed	
Oil to seeds Crushed	33 Percent
Cake to Seeds Crushed	67 Percent
Castorseed	
Oil to Seeds Crushed	37 Percent
Cake to Seeds Crushed	63 Percent
Cotton Seed	
Oil to Seeds Crushed	14 to 18 Percent
Cake to Seeds Crushed	82 to 86 Percent
Coconut	
Copra to Nuts	One Ton of Copra = 6773 Nuts
Oil to Copra Crushed	62 Percent
Cake to Copra Crushed	38 Percent
Nigerseed	
Oil to Seeds Crushed	28 Percent
Cake to Seeds Crushed	72 Percent
Kardi Seed	
Oil to Seeds Crushed	40 Percent
Cake to Seeds Crushed	60 Percent
Mahua Seed	
Oil to Seeds Crushed	36 Percent
Cake to Seeds Crushed	64 Percent
Neem Seed	
Oil to Kernels Crushed	45 to 50 Percent
Cake to Kernels Crushed	50 to 55 Percent
Soybean Seed	
Oil to Soybean Seed Crushed	18 Percent
Meal to Soybean Seed Crushed	73 Percent
Hull from Soybean Seed Crushed	8 Percent
Wastage from Soybean Seed Crushed	1 Percent
Sugar	
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 (Sulphar and Non-sulphar)	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
Lac	
Seed Lac	66.0 Percent of Stick Lac
Shell Lac	57.4 Percent of Stick Lac
Cashewnut	
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.

List of Studies Conducted by Agro-Economic Research Units & Centres

22: List of Studies Conducted by Agro-Economic Research Centers

2014-15

1.	Baseline data on Area, Production and Productivity of Horticulture crops in North East and Himalayan states (Consolidated report).	ADRT, Bangalore
2.	Problem and Prospect of Sunflower Production in Karnataka.	ADRT, Bangalore
3.	Estimation of pre and post harvest losses among selected crops in India (Consolidated report)	ADRT, Bangalore
4.	Rural Diversification in India – the Aspect of Food Security	IEG, Delhi
5.	Prosperity of crop diversification in Punjab and Haryana.	IEG, Delhi
6.	Evaluation and impact of mechanization on agri. Growth, comparative economics of labour and machinery in Agriculture (Consolidated report).	IEG, Delhi
7.	Assessment of the extent of Food Processing in various food sub-sectors	IEG, Delhi
8.	Review of Evidence on Farmers Income from secondary sources.	IEG, Delhi
9.	Micro irrigation systems: barriers spread and resources conservation.	CMA, Ahmedabad
10.	Problem and Prospect of oilseeds production in India	CMA, Ahmedabad
11.	Biotechnology in Agriculture, Examining the promise, performances, concerns & Economics	CMA, Ahmedabad
12.	Assessment of crop-wise marketable and marketed surplus of food grains and post harvest losses (Consolidated)	CMA, Ahmedabad
13.	Adoption of recommended doses of fertilizer on soil test basis by farmers for Rice and Wheat in Uttar Pradesh.	Allahabad
14.	Impact of National Food Security Mission (NFSM) on Input use, Production, Productivity and Income for Wheat in Uttar Pradesh.	Allahabad
15.	Estimation of pre and post harvest losses of Paddy in Tamil Nadu	Chennai
16.	Spread of new varieties of hybrid rice and their impact on the overall production and productivity for Tamil Nadu.	Chennai
17.	Possibilities and Constraints in adoption of alternative crops to paddy in Haryana.	Delhi
18.	Problems & Prospects of Oilseeds production in Madhya Pradesh.	Jabalpur
19.	Impact of National Food Security Mission (NFSM) on Input use, Production, Productivity and Income for Wheat in Madhya Pradesh.	Jabalpur
20.	Adoption of recommended doses of fertilizer on soil test basis by farmers for Wheat and Soybean in Madhya Pradesh.	Jabalpur
21.	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

22.	Adoption of recommended doses of fertilizer on soil test basis by farmers for Wheat and Rice in Punjab.	Ludhiana
23.	Impact of diesel/power subsidy withdrawal on production cost of important crops in Punjab.	Ludhiana
24.	Possibilities and Constraints in Adoption of Alternative Crops to Paddy in Punjab.	Ludhiana
25.	Impact of National Food Security Mission (NFSM) on Input use, Production, Productivity and Income for Wheat in Gujarat.	V.V Nagar
26.	Adoption of recommended doses of fertilizer on soil test basis by farmers for Cotton and Groundnut in Gujarat.	V.V Nagar
27.	Spread of new varieties of hybrid rice and their impact on the overall production and productivity for Andhra Pradesh	Visakhapatnam
28.	Impact of MGNREGA on Wage Rates, Food Security and Rural Urban Migration in Odisha.	Visakhapatnam
29.	Problems and prospects of oilseeds and oil palm cultivation, potential of bringing it in cost effective manner in Andhra Pradesh	Visakhapatnam
30.	Evaluation of Market Intervention Scheme (MIS) in Andhra Pradesh	Visakhapatnam

2015-16

1.	Impact of National Food Security Mission (NFSM) on Input use, Production, Productivity and Income in Karnataka	ADRT, Bangalore
2.	Adoption of recommended doses of fertilizer on soil test basis by farmers for Rice and Maize in Karnataka.	ADRT, Bangalore
3.	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.	ADRT, Bangalore
4.	The Extent of Wastage in Azadpur Mandi- A Case Study	IEG, Delhi
5.	Irrigation and Entrepreneurship: Status and Lessons for improvements and Expansion – covering four states.	CMA, Ahmedabad
6.	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
7.	Agro-input Marketing Models in India: Performance and potential	CMA, Ahmedabad
8.	Possibilities and Constraints in Adoption of Alternative Crops to Paddy to Paddy in Uttar Pradesh.	Allahabad
9.	Impact of National Food Security Mission (NFSM) on Input use, Production, Productivity and Income for rice in Bihar.	Bhagalpur
10.	Adoption of recommended doses of fertilizer on soil test basis by farmers in Bihar.	Bhagalpur
11.	Supply Chain of Litchi Marketing / Processing for Bihar.	Bhagalpur
12.	Impact of National Horticulture Mission (NHM) in Kerala	Chennai

13.	Impact of National Food Security Mission (NFSM) on Input use, Production, Productivity and Income in Tamil Nadu.	Chennai
14.	Adoption of recommended doses of fertilizer on soil test basis by farmers for Rice and Groundnut in Tamil Nadu	Chennai
15.	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
16.	Impact of National Food Security Mission (NFSM) on Input use, Production, Productivity and Income in Assam	Jorhat
17.	Impact of Credit on Agricultural Production with Special Reference to Crop Loan and KCC Scheme- An Empirical Study in Assam.	Jorhat
18.	Possibilities and Constraints in Adoption of Alternative Crops to Paddy in Green Revolution Belt of North India.(Consolidated)	Ludhiana
19.	Impact assessment and evaluation of Central Sector Schemes like Central Sheep Breeding Farm, Hisar, Central Poultry Development Organizations	Pune
20.	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
21.	Impact of National Food Security Mission (NFSM) on Input use, Production, Productivity and Income, for Wheat in Himachal Pradesh.	Shimla
22.	Marketing of Milk & Milk Products.	Shimla
23.	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
24.	Evaluation and Assessment of economic losses on account of inadequate Post Harvest Infrastructure Facilities for Fisheries Sector in Gujarat.	V.V. Nagar
25.	Adoption of recommended doses of fertilizer on soil test basis by farmers in West Bengal.	Visva Bharati
26.	Impact of National Food Security Mission (NFSM) on Input use, Production, Productivity and Income in West Bengal.	Visva Bharati
27.	Estimation of pre and post harvest losses in paddy and red gram crops - Andhra Pradesh.	Vishakhapatnam

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1.	Documentation of Success Stories of Food Processing Units in Karnataka.	ADRT, Bangalore
2.	Assessment of the Impact of Neem Coated Urea on Production, Productivity and Soil Health in Karnataka.	ADRT, Bangalore

3.	Farmers Suicides: Causes and Policy Prescriptions in Karnataka.	ADRT, Bangalore
4.	Sustainability of Self-help and Joint-liability Group Institutions under Micro-finance.	CMA, Ahmedabad
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9.	Farmers Suicides: Causes and Policy Prescriptions in Uttar Pradesh.	Allahabad
10.	Impact study on agricultural extension services to farmers by Agri-Clinics & Agri-Business Centres (ACABC) Scheme in Allahabad.	Allahabad
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12.	Evaluation and Assessment of economic losses on account of inadequate Post Harvest Infrastructure Facilities for Fisheries Sector in Tamil Nadu.	Chennai
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15.	Evaluation and Assessment of economic losses on account of inadequate Post Harvest Infrastructure Facilities for Fisheries Sector in India (Consolidated)	Chennai
16.	Farmers Suicides: Causes and Policy Prescriptions in Tamil Nadu	Chennai
17.	Farmers Suicides: Causes and Policy Prescriptions in Kerala	Chennai
18.	Farmers Suicides: Causes and Policy Prescriptions in Haryana.	Delhi
19.	Economic Analysis of Cost & Return of off season vegetables with focus on green house effect in Uttarakhand.	Delhi
20.	Assessment of the Impact of Neem Coated Urea on Production, Productivity and Soil Health in Madhya Pradesh	Jabalpur
21.	Farmers Suicides: Causes and Policy Prescriptions in Madhya Pradesh.	Jabalpur
22.	Farmers Suicides: Causes and Policy Prescriptions in Chhattisgarh.	Jabalpur

23.	Assessment of the Impact of Neem Coated Urea on Production, Productivity and Soil Health in Assam.	Jorhat
24.	Impact of SHC on Production, Productivity and Soil Health in Assam.	Jorhat
25.	Assessment of the Impact of Neem Coated Urea on Production, Productivity and Soil Health in Punjab.	Ludhiana
26.	Farmers Suicides: Causes and Policy Prescriptions in Punjab.	Ludhiana
27.	Farmers Suicides: Causes and Policy Prescriptions in Maharashtra	Pune
28.	Assessment of the Impact of Neem Coated Urea on Production, Productivity and Soil Health in Maharashtra	Pune
29.	Economic Analysis of Cost & Return of off season vegetables with focus on green house effect in Himachal Pradesh.	Shimla
30.	Economic Analysis of Cost & Return of off season vegetables with focus on green house effect in Jammu and Kashmir.	Shimla
31.	Farmers Suicides: Causes and Policy Prescriptions in Gujarat.	V.V. Nagar
32.	Assessment of the status of dairying in the eastern states and potential to improve socio economic status of the milk producers and convergence of all central and state schemes at District Level in Gujarat.	V.V. Nagar
33.	Assessment of the status of dairying in the eastern states and potential to improve socio economic status of the milk producers and convergence of all central and state schemes at District Level in Rajasthan.	V.V. Nagar
34.	Working and Impact of Pressurized Irrigation Network System (PINS) in Rajasthan.	V.V. Nagar
35.	Working and Impact of Pressurized Irrigation Network System (PINS) in Gujarat.	V.V. Nagar,
36.	Evaluation and Assessment of economic losses on account of inadequate Post Harvest Infrastructure Facilities for Fisheries Sector in West Bengal.	Visva Bharati
37.	Farmers Suicides: Causes and Policy Prescriptions in West Bengal.	Visva Bharati
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41.	Farmers Suicides: Causes and Policy Prescriptions in Andhra Pradesh.	Vishakhapatnam
42.	Farmers Suicides: Causes and Policy Prescriptions in Telangana	Vishakhapatnam
43.	Assessment of crop-wise marketable and marketed surplus of food grains and post harvest losses in A.P.	Vishakhapatnam

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1.	A decision-oriented information system for farmers- through Kisan Call Centre (KCC) and Kisan Knowledge Management System (KKMS). (Consolidated)	CMA, Ahmedabad
2.	A decision-oriented information system for farmers- through Kisan Call Centre (KCC) and Kisan Knowledge Management System (KKMS) in Gujarat.	CMA, Ahmedabad
3.	Assessment of the Impact of Neem Coated Urea on Production, Productivity and Soil Health in India.	ADRT, Bangalore
4.	Farmers Suicides: Causes and Policy Prescriptions in India(Consolidated)	ADRT, Bangalore
5.	Supply Chain of Litchi Marketing / Processing in Bihar and India (Consolidated)	IEG, Delhi
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7.	Assessment of the status of dairying in the eastern states and potential to improve socio economic status of the milk producers and convergence of all central and state schemes at District Level in Eastern Uttar Pradesh.	Allahabad
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10.	Assessment of the status of dairying in the eastern states and potential to improve socio economic status of the milk producers and convergence of all central and state schemes at District Level in Bihar.	Bhagalpur
11.	Assessment of the status of dairying in the eastern states and potential to improve socio economic status of the milk producers and convergence of all central and state schemes at District Level in Jharkhand.	Bhagalpur
12.	Dynamics and Revival of Fallow lands in Jharkhand.	Bhagalpur
13.	Assessment on Performance of Indigenous versus Imported Seedlings of Oil Palm in Tamil Nadu.	Chennai
14.	Problem and Prospects of Production of Small Millets and their value added products.	Jabalpur
15.	Impact of Soil Health Card (SHC) on Production, Productivity and Soil Health in Madhya Pradesh.	Jabalpur
16.	Assessment of the status of dairying in the eastern states and potential to improve socio economic status of the milk producers and convergence of all central and state schemes at District Level in Chhattisgarh.	Jabalpur
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18.	Impact study on agricultural extension services to farmers by Agri-Clinics & Agri-Business Centres (ACABC) Scheme in Assam.	Jorhat
19.	A decision-oriented information system for farmers- through Kisan Call Centre (KCC) and Kisan Knowledge Management System (KKMS) in Assam.	Jorhat

20.	Assessment of the status of dairying in the eastern states and potential to improve socio economic status of the milk producers and convergence of all central and state schemes at District Level in Assam.	Jorhat
21.	Impact of SHC on Production, Productivity and Soil Health in Punjab	Ludhiana
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25.	Working and Impact of Pressurized Irrigation Network System (PINS) in Maharashtra.	Pune
26.	Impact of SHC on Production, Productivity and Soil Health in Maharashtra	Pune
27.	Dynamics and Revival of Fallow lands in Maharashtra.	Pune
28.	A decision-oriented information system for farmers- through Kisan Call Centre (KCC) and Kisan Knowledge Management System (KKMS) in Maharashtra.	Pune
29.	An economic analysis of protected cultivation under MIDH in Himachal Pradesh.	Shimla
30.	An economic analysis of protected cultivation under MIDH in Jammu and Kashmir.	Shimla
31.	Economic Analysis of Cost and Return of off-Season Vegetables with focus on Poly House Effect (consolidated)	Shimla
32.	An Economic Analysis of Protected Cultivation under MIDH in Himalayan States (consolidated)	Shimla
33.	Working and Impact of Pressurized Irrigation Network System (PINS) (Consolidated)	Vallabh Vidhya Nagar
34.	An Economic Analysis of Protected Cultivation under MIDH in Sikkim	Visva Bharati
35.	Economic Analysis of Cost and Return of off-Season Vegetables with focus on Poly House Effect in Sikkim.	Visva Bharati
36.	Assessment of the status of dairying in the eastern states and potential to improve socio economic status of the milk producers and convergence of all central and state schemes at District Level in West Bengal.	Visva Bharati
37.	Impact of National Food Security Mission (NFSM) on Input use, Production, Productivity and Income for Rice in Andhra Pradesh.	Waltair
38.	Performance of Indigenous and Imported Seedlings of Oil Palm in Andhra Pradesh.	Waltair
39.	Impact Study on Agricultural Extension Services to Farmers by Agri-Clinics & Agri-Business Centres (ACABC Scheme)- A Case Study of Telangana	Waltair
40.	Adoption of recommended doses of fertilizer on soil test basis by farmers for Rice and Cotton in A.P.	Waltair

41.	Working of Pressurized Irrigation Network Systems (PINS) in Telangana	Waltair

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1.	Performance evaluation of Pradhan Mantri Fasal Bima Yojana (PMFBY) (Consolidated)	CMA, Ahmedabad
2.	Farmers' Participation in India's Futures Markets: Exploring Direct and Indirect Benefits(Non-Coordinated)	CMA, Ahmedabad
3.	Production, Markets and Trade: Analysis of factors affecting pulse production in India	CMA, Ahmedabad
4.	Impact of National Food Security Mission (NFSM) on Input use, Production, Productivity and Income NFSM & non-NFSM districts(Consolidated)	ADRT, Bangalore
5.	Assessment on Performance of Indigenous versus Imported Seedlings of Oil Palm (Consolidated)	ADRT, Bangalore
6.	Assessment on Performance of Indigenous versus Imported Seedlings of Oil Palm in Karnataka.	ADRT, Bangalore
7.	Adoption of recommended doses of fertilizer on soil test basis by farmers(Consolidated)	ADRT, Bangalore
8.	Performance evaluation of Pradhan Mantri Fasal Bima Yojana (PMFBY) in Karnataka.	ADRT, Bangalore
9.	Food Inflation at National and State level-Trend and Determinants	IEG, Delhi
10.	Sources of growth in agriculture and its impact for employment and poverty in India. (Non-Coordinated)	IEG , Delhi
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12.	e-NAM: A review of performance and prospects.	IEG , Delhi
13.	Dynamics and Revival of Fallow lands (Consolidated)	IEG , Delhi
14.	Performance evaluation of Pradhan Mantri Fasal Bima Yojana (PMFBY) in Uttar Pradesh.	AERC, Allahabad
15.	An Analysis of Supply Chain of Maize Marketing and Possibility of its Value Addition in Bihar.	AERC, Bhagalpur
16.	Performance evaluation of Pradhan Mantri Fasal Bima Yojana (PMFBY) in Bihar.	AERC, Bhagalpur
17.	Performance evaluation of Pradhan Mantri Fasal Bima Yojana (PMFBY) in Madhya Pradesh	AERC, Jabalpur
18.	Impact of Trade Policy Changes on Agricultural Sector of Maharashtra with special focus on edible oils.	AERC, Pune
19.	Performance evaluation of Pradhan Mantri Fasal Bima Yojana (PMFBY) in Maharashtra.	AERC, Pune

20.	Village study of Malana of District Shimla in Himachal Pradesh.	AERC, Shimla
21.	Performance evaluation of Pradhan Mantri Fasal Bima Yojana (PMFBY) in Himachal Pradesh	AERC, Shimla
22.	Performance evaluation of Pradhan Mantri Fasal Bima Yojana (PMFBY) in West Bengal.	AERC, Visva-Bharati,
23.	Rural Livelihood Diversification in West Bengal	AERC, Visva-Bharati,
24.	Performance evaluation of Pradhan Mantri Fasal Bima Yojana (PMFBY) in Gujarat.	AERC, V.V Nagar
25.	Solarisation of Agricultural Water Pumps in Rajasthan and Gujarat	AERC, V.V Nagar
26.	Assessment of the status of dairying in the eastern states and potential to improve socio economic status of the milk producers and convergence of all central and state schemes at District Level (Consolidated)	AERC, V.V Nagar
27.	An Analysis of Supply Chain of Maize Marketing and Possibility of its Value Addition in Odisha.	AERC, Waltair
28.	Comparative economics and determinants of coffee in Odisha and Andhra Pradesh.	AERC, Waltair
29.	Assessment of the status of dairying in the eastern states and potential to improve socio economic status of the milk producers and convergence of all central and state schemes at District Level in Odisha.	AERC, Waltair

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1.	Dynamics and Revival of Fallow lands in Kerala.	AERC, Chennai
2.	A decision-oriented information system for farmers- through Kisan Call Centre (KCC) and Kisan Knowledge Management System (KKMS) in Karnataka.	ADRT, Bangalore
3.	Performance evaluation of Pradhan Mantri Fasal Bima Yojana (PMFBY) in Assam.	AERC, Jorhat
4.	Jhuming to Farming as an Alternative way of Livelihood among the Tribal's of Tripura	AERC, Jorhat
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The above mentioned Studies by Agro Economic Research Centres/Units can be accessed/ downloaded through the following links:

S. No.	AERC/ AERU	Hyperlink
1	Institute of Economic Growth, University Enclave, Delhi	http://iegindia.org/AERU-Studies
2	IIM-Ahmedabad	http://iimahd.ernet.in/faculty-and-research/research-centers/cma/reports
3	Institute of Social and Economic Change, Bengaluru	http://www.isec.ac.in/adrtc-projects.htm#projects-completed
4	AERC, University of Allahabad	http://www.allduniv.ac.in/index.php?option=com_k2&view=itemlist&layout=category&task=category&id=291&Itemid=1857
5	AERC, Tilka Manjhi, Bhagalpur University	http://www.aercbhagalpur.org/
6	AERC, University of Madras	http://www.unom.ac.in/index.php?route=academic/aerc
7	AERC, University of Delhi	http://www.du.ac.in/du/index.php?page=agricultural-economics-research-centre
8	AERC, Jawaharlal Nehru Krishi Vishwa Vidyalaya, Jabalpur	http://aerc.jnkvv.org/aerc/AERC_Home.aspx
9	AERC, Assam Agriculture University, Jorhat	http://14.139.222.145/classified/agro_econ_2012_3.html
10	AERC, Ludhiana	http://www.aercpau.com/
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14	AERC, Waltair, Andhra Pradesh	http://www.andhrauniversity.edu.in/arts/agroeconomic/research.html
15	AERC, Visva-Bharati, Santiniketan	http://www.visva-bharati.ac.in/InstitutionsCentresSchools/Contents/AERC-DETAIL/AERC-REPORTS.htm

Appendices

Explanatory Note**Advance Estimates**

The estimates of area, production and yield rates for 2018-19 used in the publication are “Fourth Advance Estimates” as on 19.08.2019 and are based on data received from the State Governments, validated through deliberations held in weekly inter-disciplinary meetings of Crop Weather Watch Group (CWWG), availability of water in major reservoirs in the country, area enumeration based on Remote Sensing Technology, estimates from Econometrics Modeling, 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 over time from States to the Directorate of Economics & Statistics.

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 calculation of Index Numbers are given in Appendix II.

Estimation Procedure for Non-Availability of data for 2018-19

The Index Numbers of area, production and yield rates for 2018-19 (from where growth rates have been derived) are based on Advance Estimates of principal crops as on 19.08.2019. However, there are a number of ‘non-forecast’ crops such as plantation crops and spices for which no advance estimates for 2018-19 (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, soybean, sunflower and rapeseed & mustard.

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 used 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 T.E. 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^{th} crop in the j^{th} year.
a_{io}	- the area under i^{th} crop in base year period.
p_{ij}	- production of i^{th} crop in the j^{th} year.
p_{io}	- production of i^{th} crop in base year period.
w_i	- weight of i^{th} crop.

For the year j , individual crop indices are calculated as below :

$$(a) \text{ Index number of area} = \frac{a_{ij}}{a_{io}} \times 100 = IA_{ij}$$

$$(b) \text{ Index number of production} = \frac{p_{ij}}{p_{io}} \times 100 = IP_{ij}$$

$$(c) \text{ Index number of yield} = \frac{IP_{ij}}{IA_{ij}} \times 100$$

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 (1)	English (2)	Botanical (3)	Hindi (4)
Cereals	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	Setarisaitalica	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
Pulses and Beans	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
Sugar Fruits	Sugarcane	Saccharum Officinarum	Ganna
	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	Artocarpur 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
			contd.

Crop/ Group of Crops (1)	English (2)	Botanical (3)	Hindi (4)
Vegetables	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	Kharbooz
	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, fistulosus	Tinda
	Snap melon	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	Areca catechu	Paan
	Betalnut(arecanut)	Cannabis sativa	Supari
	Indian hemp	Papaver somniferum	Bhang
	Opium	Nicotiana tabacum and	Afeem
	Tobacco	Nicotiana rustica	Tambaku
Condiments and Spices	Black pepper	Piper nigrum	Kalimirch
	Cardamom, Cardamum (lesser)	Elettaria cardamomum	Chhoti Ilaichi
	Chillies	Capsicum annum	Lalmirch

Crop Calendar of Major Crops

State/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)
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	Jun-Aug.	Oct-Nov	Feb.-March				Nov(B)-Dec(E)
	Harvesting	Sep-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			Sep(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.			Sep(E)-Sep(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.	June(L)-July(M)		Jan(E)-Jan (M)	Oct(M)-Nov(E)
	Harvesting	Sept-Oct.	Jan.-Feb	May-June	Sep(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				
	Sowing	June-July			Jul(E)-Jul(L)		Feb(L)-Mar(E)	Nov(B)-Dec(E)
Madhya Pradesh	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)	Sep (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

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Appendix-IV(contd.)

State/UTs	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)-Dec (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	Nov. (B)- Nov(M)	-	-	-
Nagaland	Sowing	June(B)-June (M)	-	-	-
	Harvesting	Nov (B)- Nov(M)	-	-	-
All India	Sowing	June(B)-June (M)	June(M)-July (M)	July (B)- July (M)	July (B)- July (M)
	Harvesting	Nov (B)- Nov(M)	Nov(M)-Dec (E)	Dec (E)-Jan (M)	March(M)-April(E)

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State/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)	Oct(B)-Nov(B)	Jan(B).-Feb(B)		Nov(B)-Nov(E)
	Harvesting	Sept(M) –Oct(M)	Jan(B)-Feb(B)	Mar(B)-April(M)		Feb(M)-Mar(B)
Assam	Sowing	July(B) – Aug(E)	Aug(B)-Sep(M)	Feb(E)-Mar(M)		Oct (M) – Nov (M)
	Harvesting	Sep(M)-Oct(E)	Nov(B) – Dec(M)	May(B)-May(M)		March (B)-March (E)
Bihar	Sowing	July(B) – Aug(E)		Feb(E)-April(B)	Aug (M)-Aug(E)	Oct (M) – Nov (M)
	Harvesting	Sep(M)-Oct(E)		May(B)- June(M)	Oct(E)-Nov(B)	March (B)-March (E)
Chhattisgarh	Sowing	Jun-Jul				Oct (B) – Oct (E)
	Harvesting	Sep-Sep				Feb (E) – March (E)
Gujarat	Sowing	July(B) – Aug(E)				Oct (B) – Nov (M)
	Harvesting	Sep(M)-Oct(E)				Feb (M) – March (E)
Haryana	Sowing	July(B) – Aug(E)		Feb(E)-April(B)		Oct (M) – Nov (E)
	Harvesting	Sep(M)-Oct(E)		May(B)- June(M)		March (M) – April (B)
Jharkhand	Sowing	Jul(B)-Aug(E)		Feb(E)-April(B)		Oct(M) – Nov(M)
	Harvesting	Sep(M)-Oct(E)		May(B)- June(M)		Mar (M) – Apr (M)
Karnataka	Sowing	Jun(M) –Jul(E)	Oct(B)-Nov(B)	Jan(B).-Feb(B)	Aug (E)	Oct (B) – Nov (E)
	Harvesting	Sept(M) –Oct(M)	Jan(B)-Feb(B)	Mar(B)-April(M)	Oct(M)-Nov(B)	Jan (M) – Feb (E)
Kerala	Sowing	Jun(M) –Jul(E)		Jan(B).-Feb(B)		
	Harvesting	Sept(M) –Oct(M)		Mar(B)-April(M)		
Madhya Pradesh	Sowing	Jun(M) –Jul(E)			August (E)	Oct (B) – Nov (B)
	Harvesting	Sept(M) –Oct(M)			Oct (E)	Feb (M) – March (E)
Maharashtra	Sowing	Jun(M) –Jul(E)			Jul(M)	Sept (E) – Oct. (E)
	Harvesting	Sept(M) –Oct(M)			Oct(M)	Feb (M) – March (E)
Odisha	Sowing	Jun(M) –Jul(E)	Oct(B)-Nov(B)	Jan(B).-Feb(B)		
	Harvesting	Sept(M) –Oct(M)	Jan(B)-Feb(B)	Mar(B)-April(M)		
Punjab	Sowing	July(B) – Aug(E)		Feb(E)-Mar(M)		Oct. (M) – Nov. (E)
	Harvesting	Sep(M)-Oct(E)		May(B)-May(M)		March (M) - April (E)
Rajasthan	Sowing	July(B) – Aug(E)			Jul (M)	Oct. (M) – Nov. (E)
	Harvesting	Sep(M)-Oct(E)			Oct (M)	March (M) - April (E)
Tripura	Sowing	July(B) – Aug(E)		Feb(E)-April(B)		
	Harvesting	Sep(M)-Oct(E)		May(B)- June(M)		
Tamil Nadu	Sowing	Jun(M) –Jul(E)	Oct(B)-Nov(B)	Feb(E)-April(B)	Oct(E)	
	Harvesting	Sept(M) –Oct(M)	Jan(B)-Feb(B)	May(B)- June(M)	Feb(B)	
Uttar Pradesh	Sowing	July(B) – Aug(E)		Feb(E)-April(B)		Oct. (M) – Nov. (E)
	Harvesting	Sep(M)-Oct(E)		May(B)- June(M)		March (M) - April (E)
West Bengal	Sowing	July(B) – Aug(E)		Feb(E)-April(B)		Oct. (M) – Nov. (E)
	Harvesting	Sep(M)-Oct(E)		May(B)- June(M)		March (B)- March (E)
Himachal Pradesh	Sowing	July(B) – Aug(E) -			Jun(M)-Jul(E)	
	Harvesting	Sep(M)-Oct(E)			Sep(E)-Oct(M)	
Manipur	Sowing					Sept– Oct
	Harvesting					Mar - Apr
Meghalaya	Sowing					Sep(B)-Oct(E)
	Harvesting					Dec(B)-Jan(E)

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Appendix-IV(contd.)				
State/UTs	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)

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Appendix-IV(contd.)				
State/UTs	Period	Rabi Gram	Rabi Lentil	Rabi Pea
(1)	(2)	(3)	(4)	(5)
Andhra Pradesh	Sowing	Nov (B)-Nov (E)		
	Harvesting	Feb (M)-Mar (B)		
Assam	Sowing	Oct(M)- Nov(M)	Oct(M) – Nov(M)	Oct(M) – Nov(M)
	Harvesting	Mar(B)-Mar (E)	Mar(M)-Apr(M)	Mar(M)-April(M)
Bihar	Sowing	Oct(M)- Nov(M)	Oct(M) – Nov(M)	Oct(M) – Nov(M)
	Harvesting	Mar(B)-Mar (E)	Mar(M)-Apr(M)	Mar(M)-April(M)
Chhattisgarh	Sowing	Oct(M)- Oct(E)	Oct(M) – Nov(M)	Oct(M) – Nov(M)
	Harvesting	Feb(E)-Mar (E)	Mar(M)-Apr(M)	Mar(M)-Apr(M)
Goa	Sowing		Dec(B)-Jan(E)	
	Harvesting		Mar(B)-May(E)	
Jharkhand	Sowing	Oct(M)- Nov(M)	Oct(M) – Nov(M)	Oct(M) – Nov(M)
	Harvesting	Mar(B)-Mar(M)	Mar(M)-Apr(M)	Mar(M)-Apr(M)
Rajasthan	Sowing	Oct(M)- Nov(E)	Oct(E) – Nov(M)	Oct(E) – Nov(M)
	Harvesting	Mar(M)-Apr (E)	Mar(B)-Apr(M)	Mar(B)-Apr(M)
Tripura	Sowing		Oct(E) – Nov(B)	Oct(E) – Nov(M)
	Harvesting		Mar(B)-Apr(M)	Mar(B)-Apr(M)
Gujarat	Sowing	Oct(B)-Nov(M)	Oct(M) – Nov(M)	Oct(M) – Nov(M)
	Harvesting	Feb(M)-Mar(M)	Mar(M)-Apr(M)	Mar(M)-Apr(M)
Haryana	Sowing	Oct(M)-Nov (E)	Oct(M) – Nov(M)	Oct(M) – Nov(M)
	Harvesting	Mar(M)-Apr(B)	Mar(M)-Apr(M)	Mar(M)-Apr(M)
Karnataka	Sowing	Oct(B)-Nov(E)		
	Harvesting	Jan(M)-Feb(E)		
Madhya Pradesh	Sowing	Oct(B)-Nov(B)	Oct(E) – Nov(M)	Oct(E) – Nov(M)
	Harvesting	Feb(M)-Mar (E)	Mar(B)-Apr(M)	Mar(B)-Apr(M)
Maharashtra	Sowing	Sep(E)-Oct(E)		
	Harvesting	Feb(M)-Mar(E)		
Manipur	Sowing	Sept-Oct		
	Harvesting	Mar-Apr		
Meghalaya	Sowing	Sep(B)-Oct(E)	Sep(B)-Oct(E)	
	Harvesting	Dec(B)-Jan(E)	Feb(B)-Mar (M)	
Punjab	Sowing	Oct(M)-Nov (E)	Oct(M) – Nov(M)	Oct(M) – Nov(M)
	Harvesting	Mar(M)-Apr(E)	Mar(M)-Apr(M)	Mar(M)-Apr(M)
Uttar Pradesh	Sowing	Oct(M)-Nov(E)	Oct(M) – Nov(M)	Oct(M) – Nov(M)
	Harvesting	Mar(M)-Apr(E)	Mar(M)-Apr(M)	Mar(M)-Apr(M)
West Bengal	Sowing	Oct(M)-Nov(E)	Oct(M) – Nov(M)	Oct(M) – Nov(M)
	Harvesting	Mar(B)-Mar(E)	Mar(M)-Apr(M)	Mar(M)-Apr(M)

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Appendix-IV(contd.)

State/UTs	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	Sowing	Jun(M)-July(E)		
	Harvesting	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)	
All India	Sowing	Jun-Jul	Nov-Jan	Jan-Feb
	Harvesting	Oct-Nov	Feb-May	Apr-May

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Appendix-IV(contd.)		
State/UTs	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)

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Appendix-IV(contd.)

State/UTs	Period	Sesame			
		Kharif	Pre Rabi	Rabi	Summer
(1)	(2)	(3)	(4)	(5)	(6)
Andhra Pradesh	Sowing	June (M)-July (M)	Aug(B)- Sept(M)		Jan(M)- Feb(E)
	Harvesting	Oct(M)- Nov(M)	Dec(E)- Jan(M)		Apr(M)-May(E)
Karnataka	Sowing	June (M)-July (M)			
	Harvesting	Oct(M)- Nov(M)			
Kerala	Sowing	June (M)-July (M)			Jan(M)-Feb(E)
	Harvesting	Oct(M)- Nov(M)			Apr(M)-May(E)
Madhya Pradesh	Sowing	June (M)-July (M)	Aug(B)- Sept(M)		
	Harvesting	Oct(M)- Nov(M)	Dec(E)- Jan(M)		
Maharashtra	Sowing	June (M)-July (M)	Aug(B)- Sept(M)		Jan(M)- Feb(E)
	Harvesting	Oct(M)- Nov(M)	Dec(E)- Jan(M)		Apr(M)-May(E)
Odisha	Sowing	June(B)-July(E)		Oct(B)- Nov(M)	Jan(M)- Feb(E)
	Harvesting	Oct(M)- Nov(M)		Feb(M)- Mar(E)	May(M)-June(M)
Rajasthan	Sowing	June(B)-July(E)			
	Harvesting	Oct(M)- Nov(M)			
Uttar Pradesh	Sowing	June(B)-July(E)			Feb.- March
	Harvesting	Oct(M)- Nov(M)			May(M)-Jun(M)
West Bengal	Sowing				Feb(M)-Mar(M)
	Harvesting				May(M)-June(M)
Gujarat	Sowing	June (M)-July (M)			Feb.- March
	Harvesting	Oct- Nov			May -June
Tamil Nadu	Sowing	June-July	Aug(B)- Sept(M)	Oct(B)- Nov(M)	Jan.- Feb
	Harvesting	Oct- Nov	Dec(E)- Jan(M)	Feb(M)- Mar(E)	May(M)-June(M)
Telangana	Sowing	June (M)-July (M)			
	Harvesting	Oct (L)- Nov (E)		Feb (L)- Mar (M)	Apr (E)-May (E)
All India	Sowing	Jun-July	Aug(B)- Sept(M)	Oct(B)- Nov(M)	Jan.- March
	Harvesting	Sep-Nov	Dec(E)- Jan(M)	Feb(M)- Mar(E)	May -June

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Appendix-IV(contd.)

State/UTs	Period	Sunflower			Castor	Safflower
		Kharif	Rabi	Summer/ Spring	Kharif	Rabi
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Andhra Pradesh	Sowing	Jun(B)-Aug(E)	Oct		Jun-Jul	October
	Harvesting	Sep - Nov	Jan		Dec-Jan	Feb
Assam	Sowing					
	Harvesting					
Bihar	Sowing		Dec-Jan			
	Harvesting		Apr-May			
Chhattisgarh	Sowing				Jul	
	Harvesting				Feb	
Gujarat	Sowing				Jul-Aug	
	Harvesting				Jan-Feb	
Haryana	Sowing			Feb-Mar	Jul-Aug	
	Harvesting			May	Jan-Feb	
Jammu & Kashmir	Sowing					
	Harvesting					
Jharkhand	Sowing					
	Harvesting					
Karnataka	Sowing	Jun(B)-Aug(E)	Oct	Dec-Jan	Jul-Aug	October
	Harvesting	Sep - Nov	Jan	Mar-Apr	Nov-Dec	Feb
Madhya Pradesh	Sowing					
	Harvesting					
Maharashtra	Sowing	Jul(B)-Aug(E)	Oct		Jun-Jul	Sep-Oct
	Harvesting	Oct - Nov	Jan		Dec-Jan	Jan-Feb
Odisha	Sowing				Jun-Jul	
	Harvesting				Dec-Jan	
Punjab	Sowing			Feb		
	Harvesting			Apr-May		
Rajasthan	Sowing				Jul-Aug	
	Harvesting				Jan-Feb	
Tamil Nadu	Sowing	Jun(B)-Aug(E)	Oct		Jun-Jul	
	Harvesting	Sep - Nov	Jan		Dec-Jan	
Telangana	Sowing	Jun(B)-Aug(E)			Jun-Jul	October
	Harvesting	Sep - Nov			Dec-Jan	Feb
Uttar Pradesh	Sowing					
	Harvesting					
West Bengal	Sowing			Feb		
	Harvesting			Apr-May		
All India	Sowing	Jun-Aug	Oct	Feb	Jul-Aug	October
	Harvesting	Sep-Nov	Jan	Apr-May	Jan-Feb	Feb

contd..

Appendix-IV(contd.)			
State/UTs	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
	Gobhi Sarson	Sep (M) - Nov (L)	April
Jammu & Kashmir	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.)

State/UTs	Period	Kharif Cotton	Kharif Maize	Rabi Maize	Spring 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.)

State/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)
All India	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

*=Annual; **Early Kharif; ***Early sugarcane

Source: Indian Council of Agricultural Research (Crop Science Division)

Harvesting Season of Major Fruits

State/UTs	Mango	Apple	Banana	Lime/Lemon	Grapes
(1)	(2)	(3)	(4)	(5)	(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.	Sept. -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.
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.

Harvesting Season of Major Vegetables

State/UTs	Potato	Onion	Tomato	Cabbage	Cauliflower
(1)	(2)	(3)	(4)	(5)	(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.
Himachal 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
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)
Cereals		
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
Pulses		
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	
Mung bean	Kharif-20, Rabi 25-30, Summer 20-30	
Urd bean	Kharif-20, Rabi 25-30, Summer 20-30	
Fieldpea	80-100	
Lentil	50-60	
Rajmash	75-100	
Mothbean	15-18	
Kulthi	22-30	
Oilseeds		
Groundnut	140-160	
Rapeseed & Mustard	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)
Forage crops		
Sorghum	25 in small seeded varieties; 40 in bold seeded varieties	
Maize	40-50	
Guar	20-30	
Pearl Millet	8-12	
Oats	80 (small), 100 (Bold)	
Berseem	20-25	
Gobhi Sarson	4	
Lucerne	15	
Fibre Crops		
Cotton	10-12	Bt. Cotton - 2.25 Non-Bt. Cotton 10
Jute	6 (olitorius), 7 (capsularis)	
Sun hemp	25	
Mesta	12 (Rosella), 15 (Kenaf)	
Sugar Crops		
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, an annual flagship publication of the Ministry of Agriculture and Farmers Welfare, captures important developments in agriculture and allied sector in India. This edition contains updated detailed information on crop production and productivity, agricultural inputs, price support, procurement, trade, credit and insurance, rainfall pattern, etc. In addition, the results of the latest Livestock Census 2019, Agriculture Census 2015-16, and updated information on major recent initiatives by the Government, like Pradhan Mantri Fasal Bima Yojana (PMFBY), Soil Health Card, Micro Irrigation, Cold Storage infrastructure, etc., have been included in this edition. This will be a useful referral document for policy makers, planners, researchers and other stakeholders in agriculture and allied sector.