

Pocket Book of AGRICULTURAL STATISTICS 2019



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

डौली चक्रवर्ती
अपर सचिव
भारत सरकार
कृषि एवं किसान कल्याण मंत्रालय
कृषि, सहकारिता एवं किसान कल्याण विभाग
कृषि भवन, नई दिल्ली-110001



Dolly Chakrabarty
Additional Secretary
Government of India
Ministry of Agriculture & Farmers Welfare
Department of Agriculture, Cooperation
and Farmers Welfare
Krishi Bhawan, New Delhi-110001

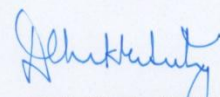
PREFACE

Since its introduction in 2013, 'Pocket Book of Agricultural Statistics' has become a much sought after publication of the Directorate due to its concise format and wide coverage of all essential data relating to agricultural sector.

This edition of Pocket Book takes forward the Directorate's endeavor to incorporate information on the emerging areas of concern relating to agriculture sector. This edition has been enriched with latest international statistics on agriculture sector, demand and supply estimates of foodgrains and other crops prepared by the Working Group on 'Demand and Supply Projections Towards 2033' constituted by NITI Aayog, final results of latest Agriculture Census 2015-16 (Phase-I) and Livestock Census 2019. It also includes updated information on key indicators of agriculture and allied sector along with progress under various new initiatives of the Government, viz., Pradhan Mantri Fasal Bima Yojana (PMFBY), Soil Health Card Scheme, Micro Irrigation, etc. A copy of this publication has also been uploaded on our website <http://eands.dacnet.nic.in/> for information of public at large.

I am grateful to Shri P.C. Bodh, Adviser and his team for their efforts in bringing out this valuable publication in record time.

Suggestions for improvement of the publication are most welcome.


(Dolly Chakrabarty)

Date: 16-03-2020

New Delhi

Telefax : 011-23070306

E-mail : asdch-agri@gov.in

Team associated with the Publication

Chief Supervision

Shri P.C. Bodh

Adviser

Supervision

Dr. Ramesh Kumar Yadav

Assistant Economic Adviser

Shri Ashutosh Sharma

Economic Officer

Compilation & Computerization

Shri Manish Yadav

Junior Statistical Officer

Ms. Neha Arora

Technical Assistant (Eco)

Shri Subhash Dawar

Data Entry Operator

Support Staff

Shri Gautam Prasad

MTS

Contents		
S.No.	Particulars	Page No.
Acronyms		ix
Statistical Tables		
1	Socio-Economic Indicators	1
1.1	Selected Economic and Social Indicators	2
1.2	Gross Value Added by Economic Activity at Current Basic Prices	3
1.3	Gross Value Added by Economic Activity at Constant (2011-12) Basic Prices	3
1.4	Sectoral share in Gross Value Added at Current Basic Prices	4
1.5	Growth Rate of Gross Value Added at Constant (2011-12) Basic Prices	5
1.6	Back Series: Sectoral share in Gross Value Added at Current Basic Prices	6
1.7	Back Series: Growth of Gross Value Added at Constant (2011-12) Basic Prices	6
2	Outlay, Expenditure & Capital Formation	7
2.1	Outlay and Expenditure on major Schemes implemented by Departments under Ministry of Agriculture & Farmers Welfare	8
2.2	Disaggregated Outlay and Expenditure on Developmental Heads by Departments under Ministry of Agriculture & Farmers Welfare	9
2.3	Year-wise Outlay and Expenditure by Departments under Ministry of Agriculture & Farmers Welfare	10
2.4	Gross Capital Formation (GCF) in Agriculture & Allied sector (Based on 2011-12 Series)	11
2.5	Share of GCF in GVA of Agriculture and Allied Sector (Based on 2011-12 Series)	11
3	Labour Force, Poverty and Unemployment	12
3.1	Population and Agricultural Workers	13
3.2	Population & Labour Force Projections	14
3.3	Population Below Poverty Line (Tendulkar Methodology)	15
3.4	All India Rural & Urban Unemployment Rates (2011-12)	16
4	Land Use Statistics & Rainfall Pattern	17
4.1	Agricultural Land by use in India	18
4.2	Distribution of Gross Cropped Area	19
4.3	Number and Area of Operational Holdings by Size Group	20
4.4	South-West Monsoon Rainfall (1 June-30 September)	21
5	Area, Production and Yield of Major Crops	22
5.1	Area, Production and Yield of Foodgrains in major Producing States alongwith coverage under Irrigation	23

5.2(a)	Year-wise Area under major Crops	24
5.2(b)	Distribution of Area under major Crops	25
5.3(a)	Year-wise Production of major Crops	26
5.3(b)	Target and Achievement of Production of major Crops	27
5.3(c)	Three largest producing States of major Crops during 2018-19	28
5.3(d)	Production of Oilseeds & Oils and Net Availability of Edible Oils	30
5.4(a)	All India Crop-wise Yield	31
5.4(b)	State-wise Yield of Cereals, Pulses and Oilseeds	32
5.5(a)	Crop-wise coverage of Irrigated Area	33
5.5(b)	State-wise coverage of Irrigated Area under major Crops during 2015-16	34
6	Horticulture Statistics	35
6.1	Area and Production of Horticulture Crops – All India	36
6.2	All-India Area, Production and Yield of Potato and Onion	38
6.3	All-India Area, Production and Yield of Banana	38
6.4	Foodgrain and Horticulture Production in India	39
6.5(a)	Value of Output of Horticulture Crops at constant (2011-12) prices	40
6.5(b)	Value of Output of Horticulture Crops at current prices	40
7	Livestock Statistics	41
7.1	Livestock Population in India	42
7.2	All India Production of Milk, Eggs and Wool	43
7.3	Fish Production in India	43
8	Agricultural Inputs & Cost	44
8.1	Production and Use of Agricultural Inputs in India	45
8.2	Crop-wise Requirement and Availability of Certified/ Quality Seeds	46
8.3	Crop-wise Requirement and Availability of Certified/ Quality of Hybrid Seeds	47
8.4	Consumption, Production and Import of Fertilisers in terms of Nutrients (N,P&K)	48
8.5	Zone-wise Consumption of Fertilisers in terms of Nutrients (N,P &K)	49
8.6(a)	State-wise Status of Soil Health Card Scheme Cycle-I (2015 to 2017)	50
8.6(b)	State-wise Status of Soil Health Card Scheme Cycle-II (2017 to 2019)	51
8.7	Consumption of Electricity for Agricultural Purposes	52
8.8	Year-wise Sales of Tractors and Power Tillers	53
8.9	Flow of Institutional Credit to Agriculture Sector	54
8.10	State-wise Agricultural Loan Disbursed in 2018-19	55
8.11	State-wise and Agency-wise KCCs - Cumulative Cards Issued and Amount Outstanding	56

8.12	State-wise progress under Pradhan Mantri Fasal Bima Yojana (PMFBY) - Cumulative upto Rabi 2018-19	57
8.13	State-wise progress under Restructured Weather Based Crop Insurance Scheme (RWBCIS) – Cumulative upto Rabi 2018-19	58
8.14	Crop-wise Area Insured under all Insurance Schemes	59
8.15	State-wise Area Insured under all Insurance Schemes	60
8.16	State-wise Area covered under Micro Irrigation	61
8.17	State-wise Cold Storage capacity	62
8.18	Cost Estimate of Principal Crops- 2016-17	63
8.19	All-India Projected Cost of Production (A2+FL) of major Crops in India	67
8.20	All India Annual Average Daily Wage Rate of Field Labourers	68
9	Prices & Procurement	69
9.1(a)	Wholesale Price Index of Foodgrains (Base: 2011-12=100)	70
9.1(b)	Wholesale Price Index of Commercial Crops (Base: 2011-12=100)	71
9.2	Consumer Price Index (Combined) of Food and Beverages (Base: 2012=100)	72
9.3(a)	Index of Terms of Trade between Farmers and Non-Farmers	74
9.3(b)	Index of Terms of Trade between Agriculture and Non-Agricultural sectors	75
9.4	Minimum Support Prices of various Agricultural Commodities	76
9.5	State-wise Procurement of Rice and Wheat in major Rice and Wheat Producing States	77
9.6(a)	Procurement of Pulses under Price Support Scheme (PSS)	78
9.6(b)	Procurement of Pulses (Domestic) under Price Stabilization Fund (PSF)	80
10	Per-Capita Availability & Consumer Expenditure	81
10.1	Per Capita Net Availability of Foodgrains (Per Annum) in India	82
10.2	Per Capita Availability of Certain Important Articles of Consumption	82
10.3	Trends in Consumer Expenditure since 2004-05 (percentage composition)	83
11	Key Indicators of Situation of Agricultural Households in India	84
11.1	Estimated Number of Rural Households, Agricultural Households and Indebted Agricultural Households	85
11.2	Indebtedness of Agricultural Households (all-India) in Different Size Classes of Land Possessed	86
11.3	Incidence of Indebtedness in Major States	87
11.4	Incidence of Indebtedness based on size of land possessed	88
11.5	Average monthly expenses and receipts from crop production per agricultural household for major States during July 2012 –	90

	June 2013	
11.6	Average monthly expenses and receipts from farming of animals per agricultural household for major States during July 2012 – June 2013	91
12	Agricultural Projections	92
12.1	Demand Estimates of Foodgrains and Other Major Crops in India	93
12.2	Supply Estimates of Foodgrains and Other Major Crops in India	94
13	Imports & Exports of Principal Agricultural Commodities	97
13.1	Year-wise Imports and Exports of Principal Agricultural Commodities	98
13.2	India's Imports of Principal Agricultural Commodities	99
13.3	India's Exports of Principal Agricultural Commodities	100
13.4	Leading Exporters and Importers of Agricultural Products in 2018	101
14	International Comparisons	102
14.1	India's Position in World Agriculture in 2017	103
14.2	Area, Production and Yield of Principal Crops in various countries in 2017	104
14.3	Major Macro Economic Indicators of India, G-20 and World in 2018	106
14.4	Major Economic, Social and Land Use Indicators of BRICS Countries in 2017	107
14.5	Major Economic and Land Use Indicators: India and China	108
14.6	Inflation (Consumer Prices) in Major Economies (Annual %)	109
15	Global Emissions	111
15.1	CO ₂ Emissions in major Countries (metric tonnes per capita)	112
Charts		
1 (a)	Sectoral share in Gross Value Added at Current Basic Prices	4
1 (b)	Growth of Gross Value Added at Constant (2011-12) Basic Prices	5
4 (a)	Agriculture Land by Use in India	18
4 (b)	Changes in Gross Cropped Area and Gross Irrigated Area	18
5 (a)	Changes in Percentage Share of Area under Major Crops	25
6 (a)	Foodgrain and Horticulture Production	39
8 (a)	Consumption, Production and Imports of Fertilisers in India	48
8 (b)	Average Daily Wage Rate of Male & Female Field Labourers	68
9 (a)	Month-wise trend in Food Inflation based on WPI and CPI	73
9 (b)	Year-wise trend in Food Inflation based on WPI and CPI	73
11 (a)	Distribution of Agricultural Households over Social Groups	89
11 (b)	Distribution of Agricultural Households by Principal source of Income	89

12 (a)	Projected Production of Rice, Wheat and Nutri/Coarse Grains in India	95
12 (b)	Projected Production of Vegetables and Fruits in India	95
12 (c)	Projected Market Support Prices in India and World Prices for Rice and Wheat	95
12 (d)	Projected Per capita Consumption of Cereals in India	96
12 (e)	Projected Calorie and Protein Consumption in India	96
13 (a)	Trends in Agricultural Exports and Imports	98
14 (a)	Projected Wheat Production in China and India	110
14 (b)	Projected Coarse Grains Production in U.S, China and India	110
14 (c)	Projected Oilseeds Production in China, India and Canada	110
15 (a)	Contribution by different Countries to Cumulative Global CO ₂ (1850-2011)	113
15 (b)	Global GHG emissions from different sectors in 2010	113
15 (c)	Total Agricultural Emissions (CO ₂ equivalent) in major Countries in 2017	114
15 (d)	Source-wise Total GHG Emissions from Agriculture sector in 2017	114
Appendices		115
A.1	Explanatory Notes	116
A.2	Conversion Factors between important Primary and Secondary Agricultural Commodities	117
A.3	General Seed Rate of Sowing for Important Field Crops	119
A.4	Rainfall Position in India	121
A.5	Major Economic Groups/ Institutions	122

ACRONYMS

AAY	Antyodaya Anna Yojana
AE	Advance Estimate
AGDP	Gross Domestic Product from Agriculture
AIBP	Accelerated Irrigation Benefit Programme
AMI	Agricultural Marketing Infrastructure
APL	Above Poverty Line
BE	Budget Estimates
BPL	Below Poverty Line
CACP	Commission for Agricultural Costs and Prices
CBB	Commercial Bank Branch
CCE	Crop Cutting Experiments
CCI	Cotton Corporation of India
CDSBO	Crude Degummed Soybean Oil
CES	Crop Estimation Surveys
CFA	Central Financial Agency
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
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
F-414/H-777/J-34	F-414/H-777/J-34 Cotton variety (of Medium Staple Length)
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 NSSO
FRL	Full Reservoir Level
FYM	Farm Yard Manure
GCA	Gross Cropped Area
GCES	General Crop Estimation Survey
GCF	Gross Capital Formation
GDP	Gross Domestic Product
GNP	Gross National Product
GSDP	Gross State Domestic Product
GVA	Gross Value Added
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
ICOR	Incremental Capital Output Ratio
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
NABARD	National Bank For Agriculture & Rural Development
NPK	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
NDDDB	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
RBI	Reserve Bank of India
R&D	Research & Development
R&M	Rapeseed & Mustard
RE	Revised Estimates
RKVV	Rashtriya Krishi Vikas Yojana
RMC	Regional Ministers Conference
RRBs	Regional Rural Banks
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

1. SOCIO-ECONOMIC INDICATORS

Table1.1: Selected Economic and Social Indicators

Indicators	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)
Macro Economic Indicators									
GDP ^a at current prices (₹ crore)	7248860	8736329	9944013	11233522	12467959	13771874	15391669*	17098304 [#]	18971237 [@]
GDP ^a at constant prices (₹ crore)	4918533	8736329	9213017	9801370	10527674	11369493	12308193*	13175160 [#]	13981426 [@]
Per capita Income ^b at constant prices (₹)	36202	63462	65538	68572	72805	77659	83003*	87828 [#]	92085 [@]
Rate of Gross Capital Formation to GDP at current prices ^c (percentage)	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)	33.7	34.6	33.9	32.1	32.2	31.1	31.4*	32.4*	30.11 [@]
Index of Agricultural Production ^d	121.0	124.3	124.0	129.8	124.0	120.8	132.8	139.4	136.5
Index of Industrial Production (IIP) ^e	165.5	170.3	103.3	106.7	111.0	114.7	120.0	125.3	130.1
Wholesale Price Index (WPI) ^e	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	180.0	195.0	215.0	236.0	251.0	265.0	276.0	284.0	300.0
Output									
Foodgrains Production (million tonnes)	244.5	259.3	257.1	265.0	252.0	251.6	275.1	285.0	285.0
Coal and Lignite Production (million tonnes)	570.4	582.3	602.9	610.0	657.4	683.0	703.1	722.7	773
Crude Oil Production (million tonnes)	37.7	38.1	37.9	37.8	37.5	36.9	36.0	35.6	34.2
Electricity Generated (utilities only) [billion KWH]	844.8	922.5	964.5	1026.6	1105.1	1167.6	1235.4	1303.5	1371.8
Foreign Trade									
Exports (₹ crore)	1136964.22	1465959.31	1634318.29	1905011	1896348	1716384	1849434	1956515	2307726
(US \$ million)	249815.53	305963.91	300400.57	314405	310338	262291	275852	303526	330078
Imports (₹ crore)	1683466.96	2345463.24	2669161.96	2715433.91	2736677	2490304	2577671	3001029	3594674
(US \$ million)	369769	489319	490737	450198	447964	381007	384356	465580	514078
Foreign exchange reserves ^g [excluding gold, SDRs and Reverse Tranche Position at IMF] (₹ crore)	1224883	1330511	1412630	1660910	1985460	2219060	2244940	2597570	2665560
(US \$ million)	274330	260069	259726	276359	317324	336104	346319	399442	385357
Social Indicators									
Population (Million) ^h	1186.0	1220.0	1235.0	1251.0	1267.0	1283.0	1299.0	1316.0	1331.9
Birth Rate (per 1000)	21.8 ⁱ	21.6 ⁱ	21.4 ⁱ	21.0 ⁱ	20.8 ⁱ	20.4 ⁱ	20.2 ⁱ	NA	NA
Death Rate (per 1000)	7.1 ⁱ	7.0 ⁱ	7.0 ⁱ	6.7 ⁱ	6.5 ⁱ	6.4 ⁱ	6.3 ⁱ	NA	NA
Life Expectancy at Birth (in Years)	67.0	67.5	67.9	68.3	68.7	69.0	NA	NA	NA
(a) Male	65.4	65.8	66.4	66.9	67.4	67.8	NA	NA	NA
(b) Female	68.8	69.3	69.6	70.0	70.2	70.4	NA	NA	NA
Education: Literacy Rate (%) ^j	73.0	NA	NA	NA	NA	NA	NA	NA	NA
(a) Male	82.1	NA	NA	NA	NA	NA	NA	NA	NA
(b) Female	65.5	NA	NA	NA	NA	NA	NA	NA	NA

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

* 3rd Revised Estimates (New Series); # 2nd Revised Estimates (New Series); @ : 1st Revised Estimates (New Series)

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.

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.

i: Estimates from Sample Registration System (SRS) Statistical Report, Office of RGI.

j: The figures for 1951 1961 and 1971 census relate to population aged 5 years and above and those for 1981, 1991, 2001 and 2011 to population aged 7 years and above.

Table 1.2: Gross Value Added by Economic Activity at Current Basic Prices

(₹ crore)										
Sl.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 and fishing	1501947	1675107	1926372	2093612	2227533	2518662	2796908	2922846	3254345
	Crops	982151	1088814	1248776	1292874	1327992	1486044	1606057	1614938	-
	Livestock	327334	368823	422733	510411	582410	672611	785180	871884	-
	Forestry and logging	124436	137558	156674	173760	184411	205364	219109	223109	-
	Fishing and aquaculture	68027	79911	98190	116567	132720	154643	186561	212915	-
II	Industry	2635023	2923393	3190871	3448189	3766249	4097108	4527428	4956781	5071934
	Mining and quarrying	261035	285842	295794	308476	294011	326808	357788	389322	391553
	Manufacturing	1409986	1572837	1713452	1878369	2146189	2333721	2546608	2766767	2797232
	Electricity, gas, water supply & other utility services	186668	215350	260155	282258	334965	355709	425101	456413	475658
	Construction	777335	849365	921470	979086	991084	1080870	1197931	1344279	1407491
III	Services	3969975	4604192	5245910	5962479	6580717	7349430	8188786	9260335	10167407
	GVA at basic prices	8106946	9202692	10363153	11504279	12574499	13965200	15513122	17139962	18493686
	GDP at market prices	8736329	9944013	11233522	12467959	13771874	15391669	17098304	18971237	20384759

Source: Central Statistics Office

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

P-Provisional

Table 1.3: Gross Value Added by Economic Activity at Constant (2011-12) Basic Prices

(₹ crore)										
Sl.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 and fishing	1501947	1524288	1609198	1605715	1616146	1726004	1828329	1872339	1940811
	Crops	982151	983809	1037060	998425	969344	1020258	1064796	1054179	-
	Livestock	327334	344375	363558	390449	419637	461572	495834	536035	-
	Forestry and logging	124436	124743	132093	134609	136960	144547	153451	154115	-
	Fishing and aquaculture	68027	71362	76487	82232	90205	99627	114248	128011	-
II	Industry	2635023	2721167	2824188	3021899	3311317	3566953	3793400	3978586	4051921
	Mining and quarrying	261035	262609	263107	288685	317974	349248	366496	345069	354748
	Manufacturing	1409986	1486873	1560709	1683938	1903850	2054764	2190791	2316643	2336365
	Electricity, gas, water supply & other utility services	186668	191635	199601	214047	224158	246496	274104	296560	310275
	Construction	777335	780050	800771	835229	865335	916445	962009	1020314	1050533
III	Services	3969975	4300819	4630263	5084519	5564407	6035328	6452684	6952203	7441872
	GVA at basic prices	8106946	8546275	9063649	9712133	10491870	11328285	12074413	12803128	13434606
	GDP at market prices	8736329	9213017	9801370	10527674	11369493	12308193	13175160	13981426	14683835

Source: Central Statistics Office

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

P-Provisional

Table 1.4: Sectoral share in Gross Value Added at Current Basic Prices

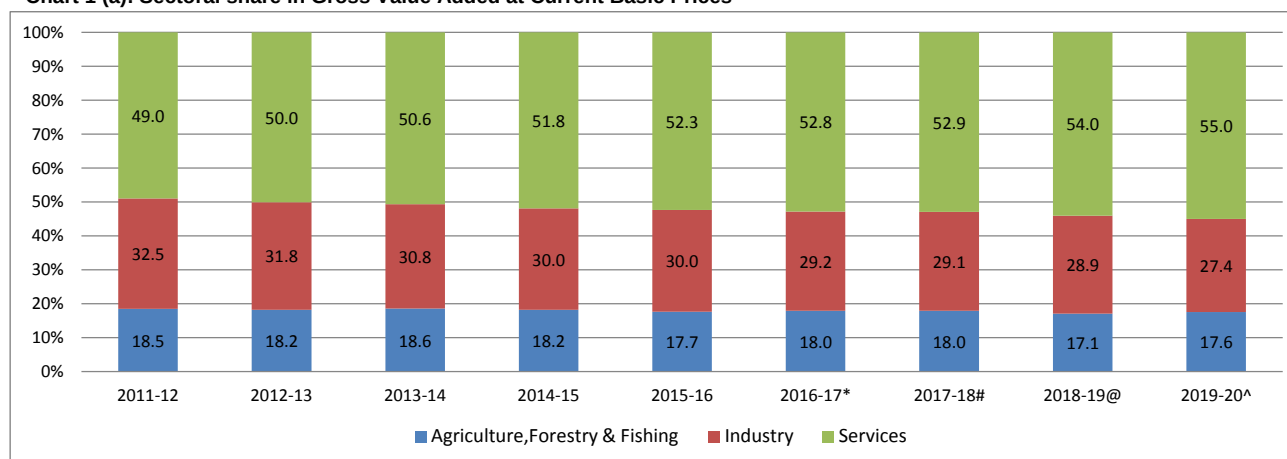
		(Percentage)								
S.No.	Industry	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17*	2017-18 [#]	2018-19 [@]	2019-20 [^]
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
I	Agriculture, forestry & fishing	18.5	18.2	18.6	18.2	17.7	18.0	18.0	17.1	17.1
	Crops	12.1	11.8	12.1	11.2	10.6	10.6	10.4	9.4	-
	Livestock	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: Central Statistics Office

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

P-Provisional

Chart 1 (a): Sectoral share in Gross Value Added at Current Basic Prices



Source: Central Statistics Office

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

P-Provisional

Table 1.5: Growth Rate of Gross Value Added at Constant (2011-12) Basic Prices

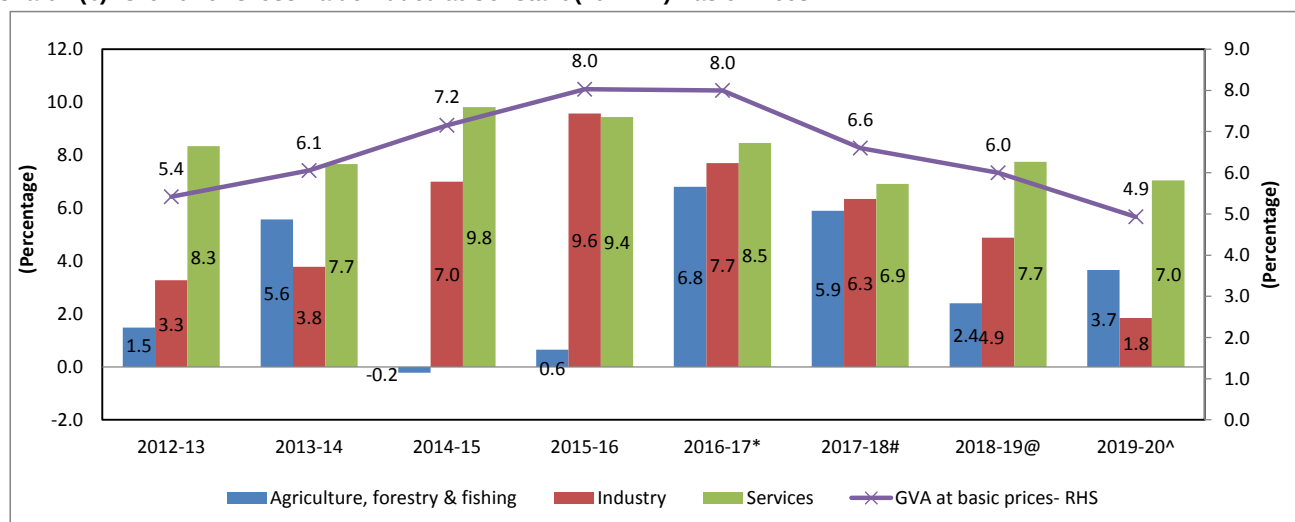
		(Percentage)							
S.No	Industry	2012-13	2013-14	2014-15	2015-16	2016-17*	2017-18 [#]	2018-19 [@]	2019-20 [^]
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
I	Agriculture, forestry & fishing	1.5	5.6	-0.2	0.6	6.8	5.9	2.4	3.7
	Crops	0.2	5.4	-3.7	-2.9	5.3	4.4	-1.0	-
	Livestock	5.2	5.6	7.4	7.5	10.0	7.4	8.1	-
	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: Central Statistics Office

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

P-Provisional

Chart 1 (b): Growth of Gross Value Added at Constant (2011-12) Basic Prices



Source: Central Statistics Office

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

P-Provisional

Table 1.6: Back Series: Sectoral share in Gross Value Added at Current Basic Prices*

		(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: Central Statistics Office

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

Table 1.7: Back Series: Growth of Gross Value Added at Constant (2011-12) Basic Prices*

		(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	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: Central Statistics Office

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

2.
OUTLAY,
EXPENDITURE
& CAPITAL
FORMATION

Table 2.1: 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-)	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 Husbandary, Dairying and Fisheries under M/o Agriculture & Farmers Welfare.

Table 2.2: 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	..	423.48	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

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 Husbandary, Dairying and Fisheries under M/o Agriculture & Farmers Welfare.

Table 2.3: Year-wise Outlay and Expenditure by Departments under Ministry of Agriculture & Farmers Welfare

Year	DAC&FW			DARE		
	Budget Estimate	Revised Estimate	Actual Expenditure*	Budget Estimate	Revised Estimate	Actual Expenditure*
(1)	(2)	(3)	(4)	(5)	(6)	(7)
2009-10	11915.22	12116.63	11934.99	3241.40	3261.36	3210.42
2010-11	15647.97	17695.48	17333.68	3818.05	5165.00	5385.83
2011-12	17522.87	16825.31	16753.10	4957.60	5007.60	4729.31
2012-13	20530.22	18173.94	18028.38	5392.00	4620.00	4509.75
2013-14	21933.50	19306.82	19027.58	5729.17	4881.08	4730.76
2014-15	22652.25	19852.00	19513.58	6144.39	4884.00	4840.01
2015-16	17004.35	15809.54	15333.92	6320.00	5586.00	5572.90
2016-17	35983.69	39840.50	37029.81	6620.00	6238.00	5995.2
2017-18	41855.00	41105.00	37538.77	6800.00	6992.00	6989.91
2018-19	46700.00	67800.00	46583.50	7800.00	7952.73	7943.59
2019-20	130485.21	106711.98	62090.10**	8078.76	-	5675.00**

Source: Ministry of Agriculture & Farmers Welfare

* Actual expenditure is unadjusted for recoveries

** As on 30.11.2019 (Provisional)

Expenditure upto 31.10.2019

DAC&FW: D/o Agriculture, Cooperation & Farmers Welfare, DARE: D/o Agricultural Research and Education

Table 2.4: Gross Capital Formation (GCF) in Agriculture & Allied sector (Based on 2011-12 Series)

Year	GCF in Agriculture & Allied sector (₹ Crore)		Total GCF of Economy (₹ Crore)		Share of Agriculture & Allied sector GCF in GCF of Economy (%)	
	Current Prices	Constant Prices	Current Prices	Constant Prices	Current Prices	Constant Prices
(1)	(2)	(3)	(4)	(5)	(6)	(7)
2011-12	273870	273870	3205716	3205716	8.5	8.5
2012-13	273490	251094	3539498	3347322	7.7	7.5
2013-14	330836	284424	3660242	3324683	9.0	8.6
2014-15	331863	272663	4063089	3552847	8.2	7.7
2015-16	298555	237648	4219570	3731740	7.1	6.4
2016-17*	348424	267153	4476754	3910207	7.8	6.8
2017-18 [#]	379627	283922	5050201	4276990	7.5	6.6
2018-19 [@]	427131	306749	5813396	4725381	7.3	6.5

Source: Central Statistics Office

* : 3rd Revised Estimates

: 2nd Revised Estimate @ : 1st Revised Estimates

Table 2.5: Share of GCF in GVA of Agriculture and Allied Sector (Based on 2011-12 Series)

Year	GCF in Agriculture & Allied sector (₹ Crore)		GVA in Agriculture & Allied sector (₹ Crore)		Share of GCF in GVA of Agriculture & Allied sector (%)	
	Current Prices	Constant Prices	Current Prices	Constant Prices	Current Prices	Constant Prices
(1)	(2)	(3)	(4)	(5)	(6)	(7)
2011-12	273870	273870	1501947	1501947	18.2	18.2
2012-13	273490	251094	1675107	1524288	16.3	16.5
2013-14	330836	284424	1926372	1609198	17.2	17.7
2014-15	331863	272663	2093612	1605715	15.9	17.0
2015-16	298555	237648	2227533	1616146	13.4	14.7
2016-17*	348424	267153	2518662	1726004	13.8	15.5
2017-18 [#]	379627	283922	2796908	1828329	13.6	15.5
2018-19 [@]	427131	306749	2922846	1872339	14.6	16.4

Source: Central Statistics Office

* : 3rd Revised Estimates

: 2nd Revised Estimate @ : 1st Revised Estimates

3.

LABOUR FORCE,
POVERTY AND
UNEMPLOYMENT

Table 3.1: 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.

Table 3.2: Population & Labour Force Projections

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

Source: 12th Plan Document, NITI Aayog (erstwhile Planning Commission)

LFPR: Labour Force Participation Rate

Table 3.3: Population Below Poverty Line (Tendulkar Methodology)

(Percentage)

State/UTs	2009-10			2011-12		
	Rural	Urban	Total	Rural	Urban	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Andhra Pradesh	22.80	17.70	21.10	10.96	5.81	9.20
Arunachal Pradesh	26.20	24.90	25.90	38.93	20.33	34.67
Assam	39.90	26.10	37.90	33.89	20.49	31.98
Bihar	55.30	39.40	53.50	34.06	31.23	33.74
Chhattisgarh	56.10	23.80	48.70	44.61	24.75	39.93
Delhi	7.70	14.40	14.20	12.92	9.84	9.91
Goa	11.50	6.90	8.70	6.81	4.09	5.09
Gujarat	26.70	17.90	23.00	21.54	10.14	16.63
Haryana	18.60	23.00	20.10	11.64	10.28	11.16
Himachal Pradesh	9.10	12.60	9.50	8.48	4.33	8.06
Jammu & Kashmir	8.10	12.80	9.40	11.54	7.20	10.35
Jharkhand	41.60	31.10	39.10	40.84	24.83	36.96
Karnataka	26.10	19.60	23.60	24.53	15.25	20.91
Kerala	12.00	12.10	12.00	9.14	4.97	7.05
Madhya Pradesh	42.00	22.90	36.70	35.74	21.00	31.65
Maharashtra	29.50	18.30	24.50	24.22	9.12	17.35
Manipur	47.40	46.40	47.10	38.80	32.59	36.89
Meghalaya	15.30	24.10	17.10	12.53	9.26	11.87
Mizoram	31.10	11.50	21.10	35.43	6.36	20.40
Nagaland	19.30	25.00	20.90	19.93	16.48	18.88
Odisha	39.20	25.90	37.00	35.69	17.29	32.59
Punjab	14.60	18.10	15.90	7.66	9.24	8.26
Rajasthan	26.40	19.90	24.80	16.05	10.69	14.71
Sikkim	15.50	5.00	13.10	9.85	3.66	8.19
Tamil Nadu	21.20	12.80	17.10	15.83	6.54	11.28
Tripura	19.80	10.00	17.40	16.53	7.42	14.05
Uttar Pradesh	39.40	31.70	37.70	30.40	26.06	29.43
Uttarakhand	14.90	25.20	18.00	11.62	10.48	11.26
West Bengal	28.80	22.00	26.70	22.52	14.66	19.98
A&N Islands	0.40	0.30	0.40	1.57	0.00	1.00
Chandigarh	10.30	9.20	9.20	1.64	22.31	21.81
Dadra & Nagar Haveli	55.90	17.70	39.10	62.59	15.38	39.31
Damn & Diu	34.20	33.00	33.30	0.00	12.62	9.86
Lakshadweep	22.20	1.70	6.80	0.00	3.44	2.77
Puducherry	0.20	1.60	1.20	17.06	6.30	9.69
All-India	33.80	20.90	29.80	25.70	13.70	21.92

Source: NITI Aayog (erstwhile Planning Commission)

Notes:

1. Poverty estimates are based on 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 2009-10 are estimated based on population as on 1st

3. Number of persons below poverty line in 2011-12 are estimated based on population as on 1st March 2012 (2011 Census population extrapolated)

4. Poverty line of Tamil Nadu is used for Andaman and Nicobar Island.

5. Urban Poverty Line of Punjab is used for both rural and urban areas of Chandigarh.

6. Poverty Line of Maharashtra is used for Dadra & Nagar Haveli.

7. Poverty Line of Goa is used for Daman & Diu

8. Poverty Line of Kerala is used for Lakshadweep.

Table 3.4: All India Rural & Urban Unemployment Rates (2011-12)

Status	(Percentage)								
	Rural			Urban			Rural+ Urban		
	Male	Female	Male+ Female	Male	Female	Male+ Female	Male	Female	Male+ Female
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Usual Principal Status (UPS)	2.1	3.0	2.3	3.2	6.4	3.8	2.5	3.8	2.8
Usual Status (US)	1.8	1.6	1.7	3.0	5.2	3.5	2.2	2.4	2.2
Current Weekly Status (CWS)	3.3	3.5	3.4	3.8	6.9	4.4	3.5	4.3	3.7
Current Daily Status (CDS)	5.5	6.2	5.7	4.9	7.9	5.4	5.3	6.7	5.6

Source: NSO Report (68th Round)- Employment and Unemployment Situation in India, 2011-12

4.

LAND USE STATISTICS & RAINFALL PATTERN

Table 4.1: Agricultural Land by use in India

		(Million Hectares)										
S.No.	Classification	1950-51	1990-91	2000-01	2009-10*	2010-11*	2011-12*	2012-13*	2013-14*	2014-15*	2015-16*	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	
I.	Geographical Area	328.73	328.73	328.73	328.73	328.73	328.73	328.73	328.73	328.73	328.73	
II.	Reporting Area for Land Utilisation Statistics (1 to 5)	284.32	304.86	305.19	307.41	307.48	307.39	307.49	307.80	307.78	307.75	
	1. Forest	40.48	67.81	69.84	71.56	71.59	71.60	71.57	71.83	71.76	71.87	
	2. Not Available for Cultivation (A+B)	47.52	40.48	41.23	43.33	43.58	43.53	43.58	43.85	43.93	44.02	
	(A) Area Under Non-agricultural Uses	9.36	21.09	23.75	26.16	26.40	26.31	26.50	26.91	26.94	27.08	
	(B) Barren & Un-culturable Land	38.16	19.39	17.48	17.18	17.18	17.22	17.07	16.94	16.99	16.94	
	3. Other Uncultivated land excluding Fallow	49.45	30.22	27.74	26.50	26.15	26.11	26.08	25.84	25.78	25.64	
	(A) Permanent Pasture & other Grazing Land	6.68	11.40	10.66	10.34	10.30	10.31	10.26	10.26	10.26	10.26	
	(B) Land under Miscellaneous Tree Crops & Groves not included in Net Area Sown	19.83	3.82	3.44	3.21	3.20	3.16	3.18	3.19	3.10	3.09	
	(C) Culturable Waste Land	22.94	15.00	13.63	12.95	12.65	12.64	12.64	12.39	12.42	12.29	
	4. Fallow Lands (A+B)	28.12	23.37	25.04	26.85	24.60	25.18	26.32	24.85	26.18	26.72	
	(A) Fallow Lands other than Current Fallows	17.45	9.66	10.27	10.84	10.32	10.67	11.04	10.69	11.09	11.31	
	(B) Current Fallows	10.68	13.70	14.78	16.01	14.28	14.51	15.29	14.16	15.09	15.41	
	5. Net Area Sown (6-7)	118.75	143.00	141.34	139.17	141.56	140.98	139.94	141.43	140.13	139.51	
	6. Total Cropped Area (Gross Cropped Area)	131.89	185.74	185.34	189.19	197.68	195.80	194.25	200.95	198.38	197.05	
	7. Area Sown more than once	13.15	42.74	44.00	50.02	56.12	54.82	54.31	59.53	58.25	57.55	
	8. Cropping Intensity**	111.07	129.89	131.13	135.94	139.64	138.88	138.81	142.09	141.57	141.25	
	Net Irrigated Area	20.85	48.02	55.20	61.94	63.67	65.71	66.29	68.12	68.38	67.30	
	Gross Irrigated Area	22.56	63.20	76.19	85.09	88.94	91.79	92.25	95.76	96.75	96.62	

Source: Land Use Statistics 2015-16, Directorate of Economics & Statistics

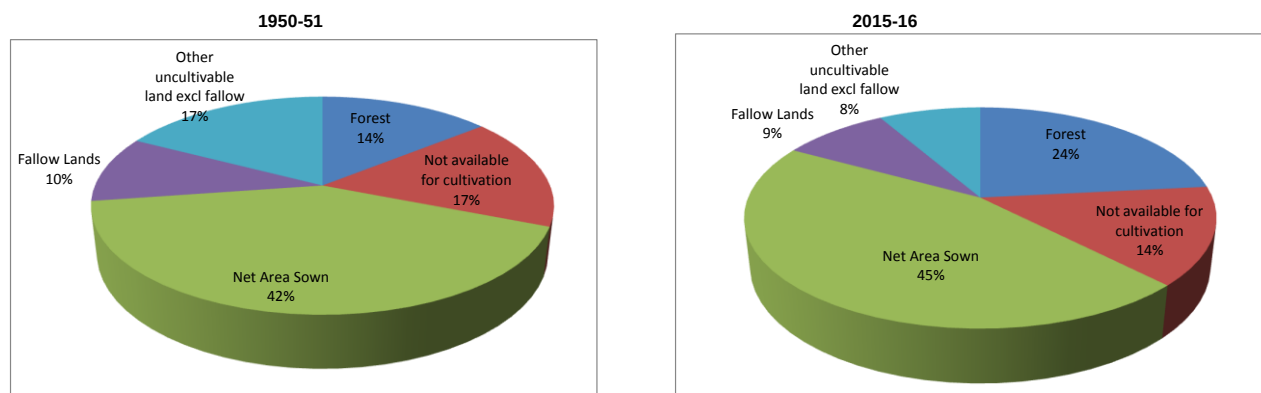
*Provisional

**Cropping Intensity is percentage of Gross Cropped Area to Net Area Sown.

Notes: 1. Percentages worked out over Reported Area.

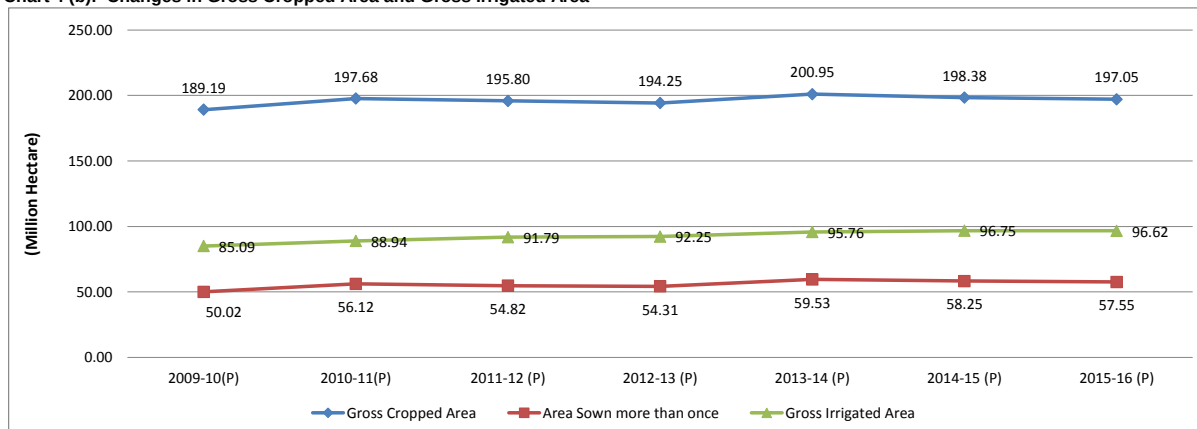
2. In 2009-10 there was significant decline in Total Cropped Area and Net Area Sown due to decline in net area sown in the states of Andhra Pradesh, Bihar, Jharkhand, Rajasthan, Tamil Nadu, Uttar Pradesh and West Bengal. This was mainly due to deficient rainfall.

Chart 4 (a): Agriculture Land by Use in India



Source: Directorate of Economics & Statistics

Chart 4 (b): Changes in Gross Cropped Area and Gross Irrigated Area



Source: Directorate of Economics & Statistics

Table 4.2: Distribution of Gross Cropped Area

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: Land Use Statistics 2015-16, Directorate of Economics and Statistics

P: Provisional

Table 4.3: Number and Area of Operational Holdings by Size-Group

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(P)	2005-06*	2010-11	2015-16(P)	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, P- Provisional

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

Table 4.4: South-West Monsoon Rainfall (1 June-30 September)

Year	Number of Meteorological Sub-Divisions [@]		Percentage of Districts with Normal/ Excess Rainfall	Actual Rainfall as % of Normal Rainfall (All India)
	Excess/ Normal Rainfall	Deficient/ Scanty Rainfall		
(1)	(2)	(3)	(4)	(5)
1990	32	3	88	119
1991	27	8	68	91
2001	30	5	68	92
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 and Statistics

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

Excess : + 20% or more of Long Period Average Rainfall

Normal : Between + 19% and -19% of Long Period Average Rainfall

Deficient : Between -20% and -59% of Long Period Average Rainfall

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

5.

AREA, PRODUCTION &
YIELD OF MAJOR
CROPS

Table 5.1: Area, Production and Yield of Foodgrains 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	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)
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
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.

Table 5.2(a): Year-wise Area under major Crops

(Million Hectares)															
Crop	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)
Rice	30.81	34.13	37.59	40.15	42.69	44.71	42.86	44.01	42.75	44.14	44.11	43.50	43.99	43.77	43.79
Wheat	9.75	12.93	18.24	22.28	24.17	25.73	29.07	29.86	30.00	30.47	31.47	30.42	30.79	29.65	29.14
Nutri Cereals	37.67	44.96	45.95	41.78	36.32	30.26	28.34	26.42	24.76	25.22	25.17	24.39	25.01	24.29	21.98
Pulses	19.09	23.56	22.54	22.46	24.66	20.35	26.40	24.46	23.26	25.21	23.55	24.91	29.45	29.81	29.03
Foodgrains	97.32	115.58	124.32	126.67	127.84	121.05	126.67	124.75	120.78	125.04	124.30	123.22	129.23	127.52	123.94
Oilseeds	10.73	13.77	16.64	17.60	24.15	22.77	27.22	26.31	26.48	28.05	25.60	26.09	26.18	24.51	25.50
Sugarcane	1.71	2.42	2.62	2.67	3.69	4.32	4.88	5.04	5.00	4.99	5.07	4.93	4.44	4.74	5.11
Cotton	5.88	7.61	7.61	7.82	7.44	8.53	11.24	12.18	11.98	11.96	12.82	12.29	10.83	12.59	12.66
Jute & Mesta	0.57	0.90	1.08	1.30	1.02	1.02	0.87	0.90	0.86	0.83	0.81	0.78	0.76	0.74	0.73

Source: Directorate of Economics and Statistics

* 4th Advance Estimates

Table 5.2(b): Distribution of Area under major Crops

(Percentage)

Year	Rice	Wheat	Nutri Cereals	Pulses	Foodgrains	Oilseeds	Sugarcane	Cotton	Others	All Crops
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
2007-08	23.31	14.88	15.12	12.54	65.85	14.17	2.68	5.00	12.30	100.00
2008-09	24.17	14.73	14.57	11.73	65.19	14.63	2.34	4.99	12.85	100.00
2009-10	22.59	15.33	14.91	12.55	65.38	13.99	2.25	5.46	12.93	100.00
2010-11	21.85	14.82	14.44	13.46	64.56	13.88	2.49	5.73	13.35	100.00
2011-12	22.48	15.25	13.50	12.50	63.72	13.44	2.57	6.22	14.05	100.00
2012-13	22.13	15.52	12.82	12.04	62.51	13.71	2.59	6.20	15.00	100.00
2013-14	22.07	15.24	12.61	12.61	62.54	14.03	2.50	5.98	14.95	100.00
2014-15	22.29	15.90	12.72	11.90	62.80	12.93	2.56	6.48	15.23	100.00
2015-16	22.10	15.45	12.39	12.66	62.60	13.25	2.50	6.24	15.40	100.00
2016-17	22.19	15.53	12.62	14.85	65.19	13.21	2.24	5.46	13.90	100.00
2017-18	22.07	14.95	12.25	15.03	64.31	12.36	2.39	6.35	14.60	100.00
2018-19	22.89	15.23	11.49	15.17	64.78	13.33	2.67	6.62	12.60	100.00

Source: Directorate of Economics & Statistics

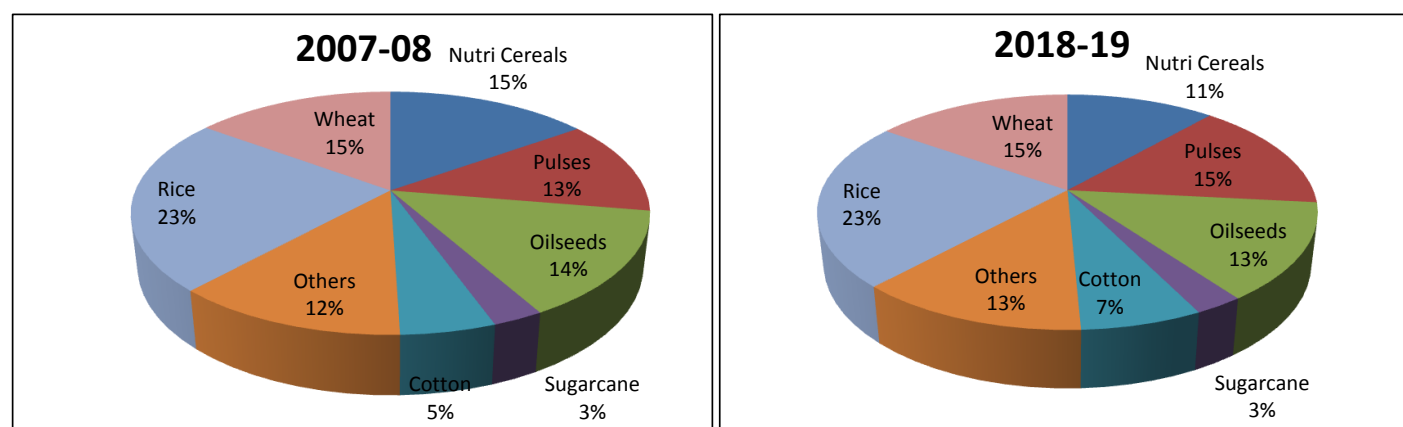
Notes: (1) Area estimates are based on data provided by State Statistical Authorities (SASAs) which is further cross checked and validated with estimates provided by other agencies, viz., MNCFC and CWWG.

(2). Others include Jute & Mesta, Coconut, major Horticulture crops, Tea, Coffee and Rubber

(3) Data for Foodgrains, Oilseeds and Commercial Crops are as per 4th Advance Estimates for 2018-19

(4) Data for Horticulture crops are as per 3rd Advance Estimates for 2018-19

Chart 5 (a): Changes in Percentage Share of Area under Major Crops



Source: Directorate of Economics & Statistics

Table 5.3(a): Year-wise Production of major Crops

		(Million Tonnes)														
S.No.	Crop	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)	(17)
1	Foodgrains	50.82	82.02	108.42	129.59	176.39	196.81	244.49	259.29	257.13	265.05	252.03	251.54	275.11	285.01	284.95
	Rice	20.58	34.58	42.22	53.63	74.29	84.98	95.98	105.30	105.23	106.65	105.48	104.41	109.70	112.76	116.42
	Wheat	6.46	11.00	23.83	36.31	55.14	69.68	86.87	94.88	93.51	95.85	86.53	92.29	98.51	99.87	102.19
	Maize	1.73	4.08	7.49	6.96	8.96	12.04	21.73	21.76	22.26	24.26	24.17	22.57	25.90	28.75	27.23
	Nutri Cereals	15.38	23.74	30.55	29.02	32.70	31.08	43.40	42.01	40.04	43.29	42.86	38.52	43.77	46.97	42.95
2	Pulses	8.41	12.70	11.82	10.63	14.26	11.08	18.24	17.09	18.34	19.25	17.15	16.32	23.13	25.42	23.40
	Gram	3.65	6.25	5.20	4.33	5.36	3.86	8.22	7.70	8.83	9.53	7.33	7.06	9.38	11.38	10.13
	Tur (Arhar)	1.72	2.07	1.88	1.96	2.41	2.25	2.86	2.65	3.02	3.17	2.81	2.56	4.87	4.29	3.59
	Lentil (Masur)	--	--	0.37	0.47	0.85	0.92	0.94	1.06	1.13	1.02	1.04	0.98	1.22	1.62	1.56
3	Oilseeds	5.16	6.98	9.63	9.37	18.61	18.44	32.48	29.80	30.94	32.75	27.51	25.25	31.28	31.46	32.26
	Groundnut	3.48	4.81	6.11	5.01	7.51	6.41	8.26	6.96	4.70	9.71	7.40	6.73	7.46	9.25	6.69
	Rapeseed & Mustard	0.76	1.35	1.98	2.30	5.23	4.19	8.18	6.60	8.03	7.88	6.28	6.80	7.92	8.43	9.34
	Soybean	--	--	0.01	0.44	2.60	5.28	12.74	12.21	14.67	11.86	10.37	8.57	13.16	10.93	13.79
	Sunflower	--	--	0.08	0.07	0.87	0.65	0.65	0.52	0.54	0.50	0.43	0.30	0.25	0.22	0.22
4	Cotton #	3.04	5.60	4.76	7.01	9.84	9.52	33.00	35.20	34.22	35.90	34.80	30.01	32.58	32.81	28.71
5	Jute & Mesta @	3.31	5.26	6.19	8.16	9.23	10.56	10.62	11.40	10.93	11.68	11.13	10.52	10.96	10.03	9.77
6	Sugarcane	57.05	110.00	126.37	154.25	241.05	295.96	342.38	361.04	341.20	352.14	362.33	348.45	306.07	379.90	400.16

Source: Directorate of Economics and Statistics

* 4th Advance Estimates

Million bales of 170 kg. each

@ Million bales of 180 kg. each

Table 5.3(b): Target and Achievement of Production of major Crops

(Million Tonnes)

Crop	2015-16		2016-17		2017-18		2018-19*	
	Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Rice	106.10	104.41	108.50	109.70	108.50	112.76	114	116.42
Wheat	94.75	92.29	96.50	98.51	97.50	99.87	102.2	102.19
Nutri Cereals	43.20	38.52	44.35	43.17	45.65	46.97	48.1	42.95
Pulses	20.05	16.32	20.75	23.13	22.90	25.42	25.95	23.4
Foodgrains	264.10	251.54	270.10	275.11	274.55	285.01	290.25	284.95
Oilseeds	33.00	25.25	35.00	31.28	35.50	31.46	36	32.26
Sugarcane	355.00	348.45	355.00	306.07	355.00	379.90	385	400.16
Cotton #	35.15	30.01	36.00	32.58	35.50	32.81	35.5	28.71
Jute & Mesta@	11.70	10.52	11.70	10.96	11.70	10.03	11.2	9.77

Source: Directorate of Economics and Statistics

* 4th Advance Estimates.

@ Million Bales of 180 kg. each.

Million Bales of 170 kg. each.

Table 5.3(c): Three largest producing States of major Crops during 2018-19*

Group of Crops	Crop	State	Production (Million Tonnes)	Share in All India Production (%)
(1)	(2)	(3)	(4)	(5)
I. Foodgrains	Rice	West Bengal	16.05	13.79
		Uttar Pradesh	15.54	13.35
		Punjab	12.82	11.01
		All - India	116.42	100.00
	Wheat	Uttar Pradesh	32.75	32.04
		Punjab	18.24	17.85
		Madhya Pradesh	15.47	15.14
		All - India	102.19	100.00
	Maize	Karnataka	3.73	13.70
		Madhya Pradesh	3.68	13.52
		Bihar	3.02	11.10
		All - India	27.23	100.00
	Total Nutri/ Coarse Cereals	Rajasthan	7.06	16.44
		Karnataka	5.54	12.89
		Madhya Pradesh	5.02	11.69
		All - India	42.95	100.00
	Total Pulses	Madhya Pradesh	7.81	33.38
		Rajasthan	3.68	15.71
		Uttar Pradesh	2.40	10.24
		All - India	23.40	100.00
	Total Foodgrains	Uttar Pradesh	54.63	19.17
		Madhya Pradesh	32.80	11.51
		Punjab	31.52	11.06
		All - India	284.95	100.00
II .Oilseeds	Groundnut	Gujarat	2.20	32.79
		Rajasthan	1.38	20.65
		Tamilnadu	0.88	13.12
		All - India	6.69	100.00
	Rapeseed & Mustard	Rajasthan	4.08	43.69
		Haryana	1.25	13.42
		Uttar Pradesh	1.12	11.96
		All - India	9.34	100.00
	Soybean	Madhya Pradesh	7.20	52.23
		Maharashtra	4.55	32.99
		Rajasthan	1.17	8.48
		All - India	13.79	100.00
	Sunflower	Karnataka	0.12	53.73
		Odisha	0.02	9.30
		Haryana	0.02	7.14
		All - India	0.22	100.00
	Total Oilseeds	Madhya Pradesh	8.99	27.87
		Rajasthan	6.93	21.47
		Maharashtra	4.79	14.84

Table 5.3(c): Three largest producing States of major Crops during 2018-19*

Group of Crops	Crop	State	Production (Million Tonnes)	Share in All India Production (%)
(1)	(2)	(3)	(4)	(5)
III. Other Cash Crops	Sugarcane	All - India	32.26	100.00
		Uttar Pradesh	179.71	44.91
		Maharashtra	92.44	23.10
	Cotton [@]	Karnataka	42.01	10.50
		All - India	400.16	100.00
		Maharashtra	7.13	24.83
		Gujarat	6.09	21.22
		Telangana	4.095	14.26
	Jute & Mesta ^{\$}	All - India	28.708	100.00
		West Bengal	7.69	78.73
		Bihar	1.02	10.46
		Assam	0.87	8.91
		All - India	9.77	100.00

Source: Directorate of Economics and Statistics

*Production Estimates are as per 4th Advance Estimates

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

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

Table 5.3(d): Production of Oilseeds & Oils and Net Availability of Edible Oils

Oilseeds / Oils	(Lakh Tonnes)					
	2016-17		2017-18*		2018-19**	
	Oilseeds	Oils	Oilseeds	Oils	Oilseeds	Oils
(1)	(2)	(3)	(4)	(5)	(6)	(7)
A. Primary Source						
Groundnut	74.62	17.16	92.53	20.82	66.95	15.18
Rapeseed & Mustard	79.17	24.74	84.30	25.81	93.39	28.97
Soy Bean	131.59	22.10	109.33	17.59	137.86	22.09
Sunflower	2.51	0.80	2.22	0.70	2.19	0.73
Sesamum	7.47	2.45	7.55	2.34	7.55	2.36
Nigerseed	0.85	0.24	0.70	0.21	0.65	0.19
Safflower	0.94	0.22	0.55	0.14	0.24	0.07
Castor	13.76	4.99	15.68	5.51	12.15	4.27
Linseed	1.84	0.39	1.74	0.44	1.59	0.40
Sub Total	312.76	73.09	314.59	73.56	322.57	74.26
B. Secondary Source						
Coconut	-	5.20	-	6.01	-	5.90
Palm Oil	-	2.30	-	2.20	-	2.80
Cottonseed	-	12.24	-	12.64	-	11.13
Ricebran	-	10.31	-	10.69	-	10.68
Solvent Extracted Oils	-	2.85	-	3.50	-	3.25
Tree & Forest Origin	-	1.50	-	1.50	-	1.50
Sub Total	-	34.40	-	36.54	-	35.26
Total(A+B)		107.49	-	110.10	-	109.52
C. Less: Exports & Industrial Use	-	6.50	-	6.30	-	6.00
D. Net Domestic Availability of Edible Oils	-	100.99	-	103.8	-	103.52
E.Import of Edible Oils \$	-	153.17	-	145.92	-	128.60#
F. Total Availability/Consumption of Edible Oils	-	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

Table 5.4(a): All India Crop-wise Yield

(Quintal/ hectare)												
Crop	1950-51	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)
Rice	6.68	17.40	19.01	22.39	23.93	24.61	24.16	23.91	24.00	24.94	25.76	26.59
Jowar	3.53	8.14	7.64	9.49	9.57	8.50	9.56	8.84	6.97	8.12	9.56	9.79
Bajra	2.88	6.58	6.88	10.79	11.71	11.98	11.84	12.55	11.32	13.05	12.31	12.43
Maize	5.47	15.18	18.22	25.42	24.78	25.66	26.76	26.32	25.63	26.89	30.65	29.65
Wheat	6.63	22.81	27.08	29.88	31.77	31.17	31.46	27.50	30.34	32.00	33.68	35.07
Nutri Cereals	4.08	9.00	10.27	15.31	15.90	16.17	17.17	17.03	15.79	17.50	19.34	19.54
Gram	4.82	7.12	7.44	8.94	9.28	10.36	9.60	8.89	8.40	9.74	10.78	10.73
Tur/ Arhar	7.88	6.73	6.18	6.54	6.61	7.76	8.13	7.29	6.46	9.13	9.67	7.51
Total Pulses	4.41	5.78	5.44	6.91	6.99	7.89	7.64	7.28	6.55	7.86	8.53	8.06
Total Foodgrains	5.22	13.80	16.26	19.30	20.78	21.29	21.20	20.28	20.41	21.29	22.35	22.99
Sugarcane	334.22	653.95	685.78	700.91	716.68	682.54	705.22	715.11	707.20	690.01	801.98	782.48
Groundnut	7.75	9.04	9.77	14.11	13.23	9.95	17.64	15.52	14.65	13.98	18.93	13.93
Mustard	3.68	9.04	9.36	11.85	11.21	12.62	11.85	10.83	11.83	13.04	14.10	14.99
Soybean	4.26	10.15	8.23	13.27	12.08	13.53	10.12	9.51	7.38	11.77	10.58	12.17
Sunflower	6.53	5.35	6.05	6.99	7.12	6.55	7.50	7.36	6.09	6.60	7.82	8.86
Total Oilseeds	4.81	7.71	8.10	11.93	11.33	11.68	11.68	10.75	9.68	11.95	12.84	12.65
Cotton	0.88	2.25	1.90	4.99	4.91	4.86	5.10	4.62	4.15	5.12	4.43	3.86
Tobacco	7.31	13.53	13.18	16.32	16.13	15.42	16.12	18.30	17.81	20.16	23.17	NA

Source: Directorate of Economics and Statistics

NA: Not Available * 4th Advance Estimates

Table 5.4(b): State-wise Yield of Cereals, Pulses and Oilseeds

State/UT															
	Cereals					Pulses					Oilseeds				
	2014-15	2015-16	2016-17	2017-18	2018-19*	2014-15	2015-16	2016-17	2017-18	2018-19*	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	3269	3500	3690	3999	3791	911	848	659	865	567	557	954	581	1328	607
Arunachal Pradesh	1924	1505	1733	1619	NA	1263	1015	1011	1020	NA	971	1040	1040	1040	NA
Assam	2095	2067	1922	2174	2089	748	757	735	748	725	670	694	643	638	659
Bihar	2067	2320	2596	2714	2547	859	845	936	954	898	1093	1059	1155	1208	1251
Chhattisgarh	1616	1481	2055	1321	1783	818	609	858	697	722	599	501	572	461	561
Goa	2870	2783	2774	2674	NA	944	754	1004	870	NA	1899	2126	2352	2258	NA
Gujarat	2226	2244	2309	2383	2381	972	931	868	1016	1023	1920	1627	1725	2125	1456
Haryana	3480	3713	3789	3676	4027	674	680	897	961	1019	1456	1589	1832	2008	2038
Himachal Pradesh	1925	2144	2258	2054	2054	1232	1504	2019	2019	2015	542	520	487	590	590
Jammu & Kashmir	1298	1919	1774	1734	1796	381	631	547	553	709	682	599	523	760	633
Jharkhand	2135	1738	2161	2271	1873	1004	886	1002	1055	984	664	681	732	713	676
Karnataka	2206	1949	1839	2128	2143	601	403	586	645	551	698	583	623	883	845
Kerala	2833	2787	2548	2754	2909	1131	1133	984	1027	924	1054	1049	125	900	743
Madhya Pradesh	2398	2564	2589	2650	2624	876	903	944	1084	1135	1093	841	1177	1046	1237
Maharashtra	1151	940	1442	1474	1489	602	436	865	795	616	672	579	1160	1017	1101
Manipur	1576	1526	1812	2544	NA	959	963	973	965	NA	863	847	858	870	NA
Meghalaya	2601	2624	1871	2637	NA	1405	1442	1446	1439	NA	1071	1091	1051	1057	NA
Mizoram	1626	1615	1652	1641	NA	1416	1361	1352	1544	NA	1117	1112	1140	1113	NA
Nagaland	2188	1666	1693	1706	NA	1146	1150	1151	1159	NA	1048	1047	1050	1050	NA
Odisha	1968	1480	2141	1727	1946	532	505	548	556	559	667	632	681	625	645
Punjab	4078	4292	4373	4726	4672	846	965	887	876	928	1265	1318	1386	1482	1480
Rajasthan	1865	1762	1804	1858	1993	580	515	604	639	622	1192	1182	1351	1477	1587
Sikkim	1649	1562	1681	1740	NA	925	954	961	954	NA	891	909	918	924	NA
Tamil Nadu	3342	3810	1719	3743	3734	852	631	544	675	687	2374	2290	1870	2729	2310
Telangana	3107	2863	3059	3332	3421	644	508	771	899	835	1270	1102	1385	1791	1773
Tripura	2875	2897	2854	2869	NA	718	673	952	710	NA	793	771	814	780	NA
Uttar Pradesh	2152	2369	2703	2804	3037	612	619	871	973	1044	698	670	876	1054	1080
Uttarakhand	1891	2079	2230	2343	2316	821	821	869	874	893	938	1100	929	916	911
West Bengal	2773	2925	2817	2995	3019	941	967	968	969	944	1161	1168	1147	1198	1230
A & N Islands	2079	2217	2572	3128	NA	541	649	304	322	NA	NA	NA	NA	NA	NA
D & N Haveli	1764	2312	2173	2173	NA	897	1174	2035		NA	571	NA	366	361	NA
Delhi	3908	3654	3653	3570	NA	NA	3270	2120	2000	NA	NA	1260	1248	1260	NA
Daman & Diu	2621	1184	1132	1244	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Puducherry	3160	2698	3210	2449	NA	630	241	377	955	NA	2280	2345	2511	2504	NA
Others	NA	4600	2500	NA	2329	NA	NA	NA	NA	958	NA	NA	NA	NA	1078
All India	2331	2393	2525	2657	2756	728	655	786	853	806	1075	968	1195	1284	1265

Source: Directorate of Economics & Statistics

*4th Advance Estimates., NA: Not Available

Table 5.5(a): Crop-wise Coverage of Irrigated Area

Crop	(Percentage)								
	1950-51	1990-91	2000-01	2010-11*	2011-12*	2012-13*	2013-14*	2014-15*	2015-16*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Rice	31.7	45.5	53.6	58.8	58.6	58.5	59.6	60.0	60.1
Jowar	3.0	5.6	7.9	8.7	9.7	9.7	9.6	9.9	10.3
Bajra	3.4	5.1	8.0	8.0	8.1	9.1	9.0	9.5	10.5
Maize	11.4	19.7	22.4	24.5	25.7	25.9	27.2	26.6	26.7
Wheat	34.0	81.1	88.1	92.2	93.0	93.5	93.6	94.3	94.2
Barley	NA	NA	65.5	69.9	74.8	76.6	76.3	80.3	77.0
Total Cereals	NA	NA	49.8	56.3	57.7	58.6	59.5	60.1	60.4
Gram	12.5	20.5	30.9	29.7	33.5	36.5	35.2	38.6	38.7
Tur or Arhar	0.5	5.5	4.2	4.0	3.8	3.9	4.3	4.0	3.8
Total Pulses	9.4	10.5	12.5	14.9	16.1	18.5	19.7	19.9	19.1
Total Foodgrains	18.1	35.1	43.4	48.1	49.8	51.3	51.9	53.1	52.6
Sugarcane	67.3	86.9	92.1	92.7	94.8	95.2	95.3	95.6	95.8
Groundnut	NA	18.6	17.6	21.8	24.3	25.3	25.8	26.7	28.9
Rapeseed & Mustard	NA	59.8	66.1	69.8	73.5	76.5	76.6	76.6	79.9
Soybean	NA	NA	1.4	0.6	0.6	0.6	0.6	0.7	0.9
Sunflower	NA	NA	27.6	31.2	32.3	29.0	28.6	30.1	28.7
Total Oilseeds	NA	22.9	23.0	24.9	27.5	28.2	27.3	27.4	28.4
Cotton	8.2	32.9	34.3	33.8	35.9	33.8	32.5	33.7	32.6
Tobacco	NA	43.2	52.8	46.4	51.0	53.8	51.6	58.8	66.8
Total area under all crops	NA	NA	40.2	45.0	46.9	47.5	47.7	48.8	49.0

Source: Land Use Statistics 2015-16, Directorate of Economics and Statistics

NA: Not Available , *: Provisional

Note: Irrigated area here refers to percentage of Gross Irrigated area over Gross Cropped area

Table 5.5(b): State-wise coverage of Irrigated Area under major Crops during 2015-16 (P)

(Percentage)

State	Rice	Wheat	Total Cereals	Total Pulses	Total Foodgrains	Sugarcane	Fruits & Vegetables	Total Oilseeds	Cotton	Total Irrigated area under all crops
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Andhra Pradesh	96.6	5.5	86.4	1.8	56.8	91.7	50.6	24.8	15.6	47.1
Arunachal Pradesh	39.1	33.6	24.9	0.0	23.4	0.0	13.4	0.0	-	18.6
Assam	13.1	12.3	12.9	1.8	12.3	1.5	-	0.3	0.0	9.6
Bihar	65.4	95.7	75.8	4.9	70.4	79.7	68.6	59.7	-	69.3
Chhattisgarh	35.2	76.9	34.4	16.3	31.5	98.8	53.0	4.2	65.3	31.1
Goa	32.9	-	32.9	97.6	42.5	100.0	11.4	16.3	-	24.5
Gujarat**	61.5	90.8	55.2	13.5	47.5	94.5	91.9	34.3	58.7	52.4
Haryana	100.0	99.6	96.2	28.5	95.2	99.9	99.4	90.3	99.9	91.4
Himachal Pradesh	71.4	22.8	22.8	6.4	22.3	62.9	17.7	19.9	19.0	22.1
Jammu & Kashmir	87.5	29.9	42.8	18.2	42.4	0.5	43.9	67.5	0.0	44.7
Jharkhand	4.0	96.6	8.5	7.0	8.4	69.5	70.2	14.9	-	13.0
Karnataka	71.5	57.3	32.4	8.2	23.0	99.6	50.6	29.1	24.8	31.2
Kerala	76.5	0.0	76.3	0.0	74.9	83.9	17.0	20.9	0.0	18.4
Madhya Pradesh	36.1	93.3	67.2	39.7	58.4	99.8	89.7	5.3	64.1	42.3
Maharashtra**	26.1	73.9	20.2	10.7	17.2	100.0	80.7	2.3	2.7	20.2
Manipur**	30.7	0.0	27.4	0.0	24.5	0.0	-	0.0	-	16.7
Meghalaya	90.7	100.0	76.3	0.0	71.9	0.0	23.0	45.4	0.0	42.1
Mizoram**	72.5	-	60.1	100.0	63.1	0.0	-	0.0	0.0	16.3
Nagaland	53.7	17.1	38.2	3.8	34.2	0.0	-	5.7	0.0	22.7
Odisha	33.7	100.0	32.7	4.0	29.7	100.0	100.0	17.8	-	29.9
Punjab	99.7	99.0	98.9	87.9	98.9	97.4	99.6	90.4	100.0	98.6
Rajasthan	71.8	99.7	41.0	21.5	35.2	99.0	96.8	62.8	95.7	42.2
Sikkim**	70.7	0.0	21.8	0.6	19.8	-	1.8	32.6	-	11.5
Tamil Nadu	94.9	80.0	74.2	10.7	59.2	100.0	57.9	66.1	28.3	58.8
Telangana	97.1	97.5	71.2	5.7	57.0	100.0	80.7	37.6	11.6	41.4
Tripura	34.1	62.6	33.2	21.4	32.4	44.6	23.8	17.6	0.0	24.2
Uttarakhand	69.8	60.0	48.2	7.7	45.7	99.0	39.0	23.6	100.0	50.0
Uttar Pradesh	83.5	98.2	85.6	27.6	80.1	95.8	90.3	40.6	97.4	79.7
West Bengal**	51.1	95.1	54.5	31.9	53.2	94.2	87.9	82.8	81.0	64.0
All India	60.1	94.2	60.4	19.1	52.6	95.8	68.3	28.4	32.6	49.0

Source: Land Use Statistics 2015-16, Directorate of Economics and Statistics

P: Provisional

* 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.

Note: Irrigated area here refers to percentage of Gross Irrigated area over Gross Cropped area

6.

HORTICULTURE STATISTICS

Table 6.1: Area and Production of Horticulture crops - All India

Crops	Production in '000 MT			
	2017-18		2018-19*	
	Area	Production	Area	Production
(1)	(2)	(3)	(4)	(5)
Fruits				
Almond	11	14	10	11
Aonla/Gooseberry	93	1075	92	1039
Apple	301	2327	314	2503
Banana	884	30808	898	31747
Ber	50	513	52	639
Citrus				
(i) Lime/Lemon	286	3148	296	3397
(ii) Mandarin (Orange)	428	5101	437	5380
(iii) Sweet Orange(Mosambi)	185	3266	190	3401
(iv) Others	103	1030	112	1022
Citrus Total (i to iv)	1003	12546	1034	13200
Custardapple	46	401	40	338
Grapes	139	2920	139	2958
Guava	265	4054	276	4236
Jackfruit	185	1830	187	1815
Kiwi	4	12	4	13
Litchi	92	686	95	727
Mango	2258	21822	2293	20798
Muskmelon	54	1231	57	1277
Papaya	138	5989	143	5980
Passion Fruit	14	82	12	82
Peach	19	114	19	121
Pear	44	318	43	306
Picanut	1	0	1	0
Pineapple	103	1706	105	1729
Plum	23	89	24	89
Pomegranate	234	2845	262	3034
Sapota	97	1176	90	1089
Strawberry	1	5	1	5
Walnut	109	300	113	317
Watermelon	101	2520	103	2504
Others	238	1977	241	2024
Total Fruits	6506	97358	6648	98579
Vegetables				
Beans	228	2277	228	2257
Bitterguard	97	1137	99	1198
Bottleguard	157	2683	186	3052
Brinjal	730	12801	728	12660
Cabbage	399	9037	399	9095
Capsicum	24	326	34	487
Carrot	97	1648	108	1865

(Contd..)

Crops	2017-18		2018-19*	
	Area	Production	Area	Production
(1)	(2)	(3)	(4)	(5)
Cauliflower	453	8668	469	9103
Cucumber	82	1260	109	1696
Chillies (Green)	309	3592	364	3720
Elephant Foot Yam	30	774	35	917
Mushroom	198	487	-	173**
Okra/ Ladyfinger	509	6095	513	6170
Onion	1285	23262	1263	23485
Parmal(pointed gourd)	20	310	55	740
Peas	540	5422	551	5533
Potato	2142	51310	2161	53027
Radish	209	3061	202	3145
Sitaphal/Pumpkin/Kaddu	78	1714	94	2030
Sweet Potato	131	1500	116	1207
Tapioca	173	4950	177	5484
Tomato	789	19759	778	19397
Others	1580	22320	1431	19441
Total Vegetables	10259	184394	10100	185883
Aromatic	720	866	656	819
Flowers Cut		823		807
Flowers Loose	324	1962	313	2059
Total Flowers	324	2785	313	2865
Honey		105		120
Plantation Crops				
Arecanut	497	833	518	853
Cashewnut	1062	817	1089	743
Cocoa	89	20	94	24
Coconut	2097	16413	2179	14748
Total Plantation	3744	18082	3880	16368
Spices				
Ajwan	35	24	35	23
Cardamom	84	28	78	22
Chillies (Dried)	752	2149	721	1690
Cinnamon/Tejpata	3	5	2	5
Celery,Dill & Poppy	36	34	30	30
Clove	2	1	2	2
Coriander	532	710	468	567
Cumin	966	689	1028	608
Fenugreek	149	202	122	189
Fennel	66	104	90	157
Garlic	317	1611	354	2836
Ginger	160	1118	174	1846 [#]
Nutmeg	23	15	19	12
Pepper	134	66	139	62
Vanilla	5	0	4	0
Tamarind	48	201	49	202
Turmeric	238	1133	246	931 [@]
Mint (Mentha)	327	33	334	34
Total Spices	3878	8124	3895	9216
Total	25431	311714	25492	313851

Source: Department of Agriculture, Cooperation & Farmers Welfare

* 3rd Advance Estimates

** Data reported by Directorate of Mushroom Research, Solan

Data in terms of Fresh Ginger

@ Data in terms of Dry Turmeric

Table 6.2: All-India Area, Production and Yield of Potato and Onion

Area - Million Hectares

Production - Million Tonnes

Yield - Kg./Hectare

Year	Potato			Onion		
	Area	Production	Yield	Area	Production	Yield
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1980-81	0.73	9.67	13258	0.25	2.50	9961
1990-91	0.94	15.21	16254	0.30	3.23	10686
2000-01	1.22	22.49	18404	0.42	4.55	10786
2010-11	1.86	42.34	22724	1.06	15.12	14210
2011-12	1.91	41.48	21753	1.09	17.51	16109
2012-13	1.99	45.34	22760	1.05	16.81	15989
2013-14	1.97	41.56	21060	1.20	19.40	16120
2014-15	2.08	48.01	23126	1.17	18.93	16111
2015-16	2.12	43.42	20509	1.32	20.93	15857
2016-17	2.18	48.60	22303	1.31	22.43	17178
2017-18	2.14	51.31	23977	1.28	23.26	18172
2018-19*	2.16	53.03	24551	1.26	23.49	18643

Source : Department of Agriculture, Cooperation & Farmers Welfare

* 3rd Advance Estimates

Table 6.3: All-India Area, Production and Yield of Banana

Area - Million Hectares

Production - Million Tonnes

Yield - Kg./Hectare

Year	Banana		
	Area	Production	Yield
(1)	(2)	(3)	(4)
2000-01	0.46	12.90	28133
2009-10	0.77	26.47	34363
2010-11	0.83	29.78	35880
2011-12	0.80	28.46	35725
2012-13	0.78	26.51	34161
2013-14	0.80	29.72	37037
2014-15	0.82	29.22	35549
2015-16	0.84	29.13	34635
2016-17	0.86	30.48	35440
2017-18	0.88	30.81	34859
2018-19*	0.90	31.75	35362

Source : Department of Agriculture, Cooperation & Farmers Welfare

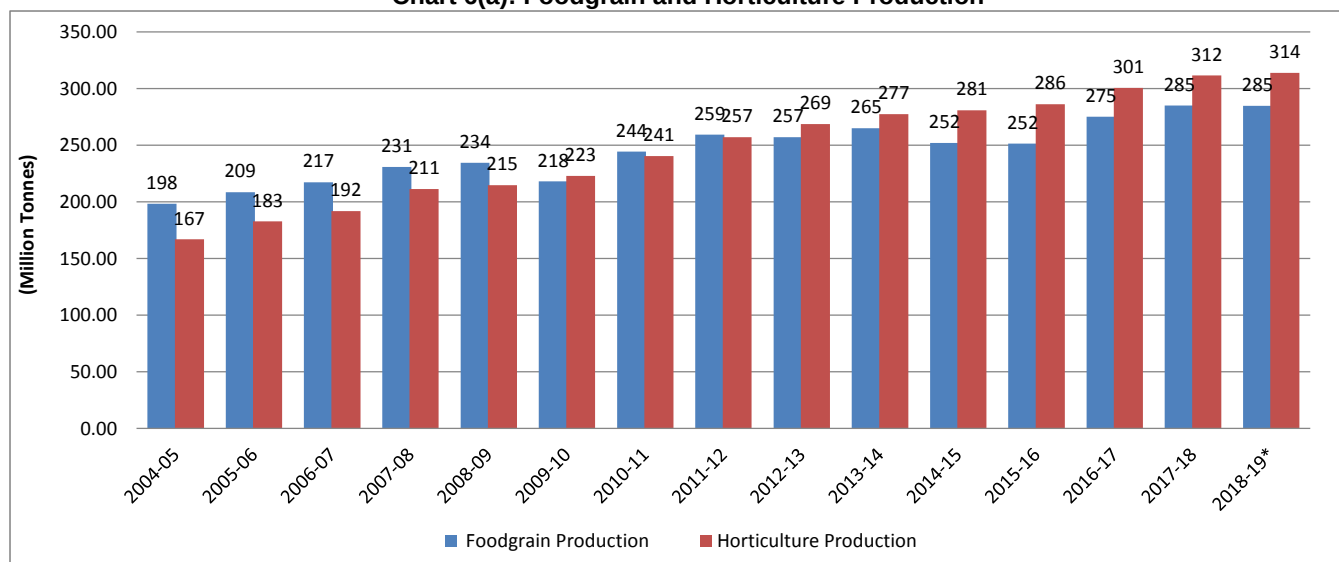
* 3rd Advance Estimates

Table:6.4 Foodgrain and Horticulture Production in India

(Million Tonnes)		
Year	Foodgrain Production	Horticulture Production
(1)	(2)	(3)
2004-05	198.36	166.94
2005-06	208.60	182.82
2006-07	217.28	191.81
2007-08	230.78	211.24
2008-09	234.47	214.72
2009-10	218.11	223.09
2010-11	244.49	240.53
2011-12	259.29	257.28
2012-13	257.13	268.85
2013-14	265.05	277.35
2014-15	252.03	280.99
2015-16	251.54	286.19
2016-17	275.11	300.64
2017-18	285.01	311.71
2018-19*	284.95	313.85

Source: Department of Agriculture, Cooperation & Farmers Welfare

*4th Advance Estimate for Foodgrain Production and 3rd Advance Estimate for Horticulture Production

Chart 6(a): Foodgrain and Horticulture Production

Source: Department of Agriculture, Cooperation & Farmers Welfare

*4th Advance Estimate for Foodgrain production and 3rd Advance Estimate for Horticulture Production

Table 6.5(a): Value of Output of Horticulture crops at constant (2011-12) prices

(₹ in '00 crore)							
Crop	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
i) Total Fruits & Vegetables	2657	2793	2929	3042	3107	3255	3255
ii) Total Condiments & Spices	385	377	416	442	426	484	497
iii) Total Floriculture	174	173	178	170	197	215	227
iv) Total Plantation crops	257	253	255	267	270	257	259
Total Horticultural crops (i+ii+iii+iv)	3473	3596	3778	3921	4000	4211	4238
All Agricultural crops	11915	11986	12571	12280	12067	12755	13219
Share of Horticultural crops in All Agricultural crops (%)	29.15	30.00	30.05	31.93	33.15	33.01	32.06

Source: National Accounts Statistics- 2019, CSO

Table 6.5(b): Value of Output of Horticulture crops at current prices (2011-12 series)

(₹ in '00 crore)							
Crop	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
i) Total Fruits & Vegetables	2657	3155	3877	4512	4504	4744	5348
ii) Total Condiments & Spices	385	379	475	586	657	753	669
iii) Total Floriculture	174	193	213	203	239	259	296
iv) Total Plantation crops	257	241	309	433	445	408	526
Total Horticultural crops (i+ii+iii+iv)	3473	3967	4873	5734	5844	6163	6839
All Agricultural crops	11915	13296	15334	15955	16372	18087	18890
Share of Horticultural crops in All Agricultural crops (%)	29.15	29.84	31.78	35.94	35.70	34.07	36.20

Source: National Accounts Statistics- 2019, CSO

7.

LIVESTOCK STATISTICS

Table 7.1: Livestock Population in India

Species	(Million Numbers)								
	1951	1982	1987	1992	1997	2003	2007	2012	2019
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Cattle	155.30	192.45	199.69	204.58	198.88	185.18	199.08	190.90	192.52
Buffalo	43.40	69.78	75.97	84.21	89.92	97.92	105.34	108.70	109.85
Total Bovines	198.70	262.36	275.82	289.00	289.00	283.10	304.76	299.90	302.75
Sheep	39.10	48.76	45.70	50.78	57.49	61.47	71.56	65.07	74.28
Goats	47.20	95.25	110.21	115.28	122.72	124.36	140.54	135.17	148.88
Horses & Ponies	1.50	0.90	0.80	0.82	0.83	0.75	0.61	0.62	0.34
Camels	0.60	1.08	1.00	1.03	0.91	0.63	0.52	0.40	0.25
Pigs	4.40	10.07	10.63	12.79	13.29	13.52	11.13	10.29	9.06
Mules	0.06	0.13	0.17	0.19	0.22	0.18	0.14	0.20	0.08
Donkeys	1.30	1.02	0.96	0.97	0.88	0.65	0.44	0.32	0.12
Yaks	NC	0.13	0.04	0.06	0.06	0.06	0.08	0.08	0.058
Total Livestock	292.80	419.59	445.29	470.86	485.39	485.00	529.70	512.06	535.82
Poultry	73.50	207.74	275.32	307.07	347.61	489.1	648.88	729.21	851.81
Dogs	NC	18.54	17.95	21.77	25.48	29.03	19.09	11.67	-
Rabbits	NC	NC	NC	NC	NC	0.48	0.42	0.59	-

Source : Department of Animal Husbandry & Dairying.

NC : Not Collected

Note: Total may not tally due to rounding off

Table 7.2: All India Production of Milk, Eggs and Wool

Year	Milk (Million Tonnes)	Eggs (Billion Nos.)	Wool (Million Kgs.)
(1)	(2)	(3)	(4)
1990-91	53.9	21.1	41.2
2000-01	80.6	36.6	48.4
2009-10	116.4	60.3	43.1
2010-11	121.8	63.0	43.0
2011-12	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 (P)	187.7	103.3	40.4

Source: Department of Animal Husbandry & Dairying

(P): Provisional

Table 7.3: Fish Production in India

Year	Inland	Marine	Total (‘000 Tonnes)
(1)	(2)	(3)	(4)
1990-91	1536	2300	1536
2000-01	2845	2811	2845
2009-10	4894	3104	4894
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

8.

AGRICULTURAL INPUTS & COST

Table 8.1: Production and Use of Agricultural Inputs in India

Input	Unit	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)
1. Seeds											
(i) Production of Breeder Seeds	Thousand Qtls.	42.69	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.	5.91	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.	86.27	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)	Lakh Tonnes	109.20	165.58	173.00	168.21	167.50	169.46	173.72	167.35	169.58	176.28
Phosphatic(P)	Lakh Tonnes	42.15	80.50	79.14	66.53	56.33	60.98	69.79	67.05	68.54	69.68
Potassic(K)	Lakh Tonnes	15.67	35.14	25.76	20.62	20.99	25.32	24.02	25.08	27.79	27.79
Total (N+P+K)	Lakh Tonnes	167.02	281.22	277.90	255.36	244.82	255.76	267.53	259.49	265.91	273.75
Per Hectare	Kgs.	89.63	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)											
	Thousand Tonnes	43.58	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

Table 8.2: Crop-wise Requirement and Availability of Certified/ Quality Seeds

(Lakh Quintals)

Crop	2016-17				2017-18				2018-19			
	Require- ment	Availability			Require- ment	Availability			Require- ment	Availability		
		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	0.8	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	17.16	14.57	4.69	19.27	20.87	17.37	7.88	25.25
Urd	2.67	1.79	1.11	2.9	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	1.9	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	0.1	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	1.5	2.91	2.39	0.82	1.54	2.36	2.47	2.34	1.67	4.01
Grain Amaranthus				0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Moth	0.2	0.11	0.1	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	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			0	0.00	0.00	0.00	0.00	1.06	0.24	0.89	1.12
Total	31.64	17.64	13.66	31.3	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	0.4	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	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	0.4	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	2.3	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

Table 8.3: 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

Table 8.4: Consumption, Production and Import of Fertilisers in terms of Nutrients (N, P & K)

												(Lakh Tonnes)
Year	Consumption				Production			Imports				C &F Value of Urea Imports (₹ crore)
	N	P	K	TOTAL	N	P	TOTAL	N	P	K	TOTAL	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
1981-82	40.69	13.22	6.73	60.64	31.44	9.49	40.93	10.54	3.43	6.44	20.41	716.62
1990-91	79.97	32.21	13.28	125.46	69.93	20.52	90.45	4.14	10.16	13.28	27.58	1335.82
2000-01	109.20	42.15	15.67	167.02	109.61	37.43	147.04	1.54	3.96	15.41	20.91	#
2010-11	165.58	80.50	35.14	281.22	121.57	42.23	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	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	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	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	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	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	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	181.06	35.88	20.47	28.95	85.3	8350.94
2018-19	176.28	69.68	27.79	273.75	133.44	45.94	179.38	47.01	31.67	26.29	104.97	-

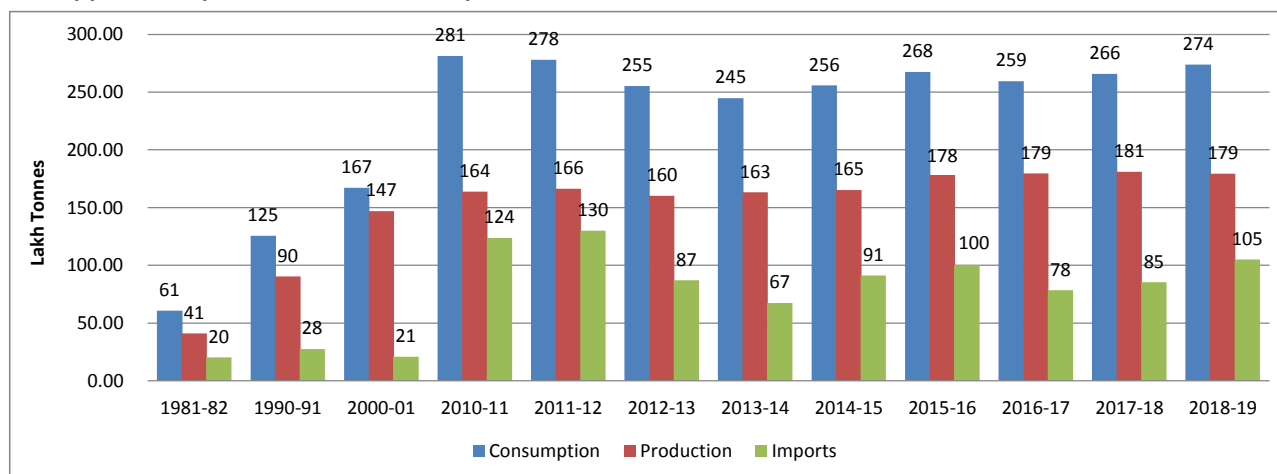
Source: Department of Fertilizers and Department of Agriculture, Cooperation & Farmers Welfare

There was no import of Urea in 2000-01 on 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.

Chart 8(a): Consumption, Production and Imports of Fertilisers in India



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

Table 8.5: Zone-wise Consumption of Fertilisers in terms of Nutrients (N, P & K)

(Thousand Tonnes and Kgs. per Hectare)

S.No.	State/Zone	2014-15	2015-16	2016-17	2017-18	2018-19
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1	South Zone	5985.38 (176.43)	6177.58 (179.46)	5788.00 (164.79)	5724.28 (163.62)	6002.83 (169.93)
2	West Zone	8205.58 (90.97)	8382.02 (93.85)	8426.41 (89.10)	8560.03 (92.12)	8735.39 (96.28)
3	North Zone	7634.61 (174.42)	7906.44 (174.47)	7805.66 (169.48)	8087.75 (175.50)	8289.58 (179.50)
4	East Zone	3427.26 (142.27)	4001.47 (140.90)	3653.88 (128.36)	3923.23 (137.01)	4026.01 (141.93)
5	North East Zone	323.29 (50.74)	285.09 (39.01)	275.20 (63.24)	295.61 (55.63)	321.39 (63.85)
6	All India	25576.12 (127.45)	26752.61 (131.84)	25949.15 (124.41)	26590.9 (127.88)	27375.2 (133.12)

Source: Department of Agriculture, Cooperation & Farmers Welfare

Note : Figures in parentheses indicate estimated consumption of fertilisers (NPK) in Kgs per hectare

Table 8.6(a): State-wise Status of Soil Health Card Scheme- Cycle-I (2015 to 2017)

(Status as on 03.12.2019)

Sl.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 Havel	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

Table 8.6(b): State-wise Status of Soil Health Card Scheme- Cycle-II (2017 to 2019)

(Status as on 03.12.2019)

Sl.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

Table 8.7: Consumption of Electricity for Agricultural Purposes

Year	Consumption for Agricultural Purposes (GWh)	Total Consumption (GWh)	Share of Agricultural Consumption to Total Consumption (%)
(1)	(2)	(3)	(4)
1982-83	17817	95589	18.64
1985-86	23422	122999	19.04
1990-91	50321	190357	26.44
2000-01	84729	316600	26.76
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, Delhi

Table 8.8: Year-wise Sales of Tractors and Power Tillers

Year	Tractors (Nos.)	Power Tillers (Nos.)
(1)	(2)	(3)
2004-05	247531	17481
2005-06	296080	22303
2006-07	352835	24791
2007-08	346501	26135
2008-09	342836	35294
2009-10	393836	38794
2010-11	545109	55100
2011-12	535210	60000
2012-13	590672	47000
2013-14	696828	56000
2014-15	680600	46000
2015-16	571249	46453
2016-17	661995	45200
2017-18	796873	51680
2018-19	890000	52000
Total	7948155	624231

Source: Indian Council of Agricultural Research (ICAR)

Table 8.9: Flow of Institutional Credit to Agriculture Sector

(Status as on 31-03-2019)

(₹ crore)											
Particulars/Agency	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)
I. Short-term (ST) Credit											
Co-operative Banks	40164	56946	69038	81829	102592	113574	130350	143803	131880	138348	142750
RRBs	22413	29802	38121	47401	55957	70697	89326	101579	105001	119546	125654
Commercial Banks	147818	189908	228391	266928	314951	364164	415736	419930	452576	497078	483805
Other Agencies	66										
Sub Total (A)	210461	276656	335550	396158	473500	548435	635412	665312	689457	754972	752209
II. MT/LT Credit											
Co-operative Banks	5802	6551	9083	6134	8611	6389	8119	9492	10878	12041	9591
RRBs	4352	5415	6172	7049	7724	11956	13157	17681	18215	21413	24013
Commercial Banks	81133	95892	117486	101688	117540	163342	188640	223024	347205	380077	471017
Other Agencies	160										
Sub Total (B)	91447	107858	132741	114871	133875	181687	209916	250197	376298	413531	504620
Total Credit (ST + MT/LT)											
Co-operative Banks	45966	63497	78121	87963	111203	119963	138469	153295	142758	150389	152340
RRBs	26765	35217	44293	54450	63681	82653	102483	119260	123216	140959	149667
Commercial Banks	228951	285800	345877	368616	432491	527506	604376	642954	799781	877155	954823
Other Agencies	226										
Grand Total (A+B)	301908	384514	468291	511029	607375	730122	845328	915509	1065755	1168503	1256830

Source : Department of Agriculture, Cooperation & Farmers Welfare

ST: Short Term

MT: Medium Term

LT: Long Term

P: Provisional

Table 8.10: State-wise Agricultural Loan Disbursed in 2018-19

(Amount in ₹ Lakh)							
Sl. 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	188082	18767	2244990	26351	2433072
2	Haryana	2748064	4116242	514504	2218672	3262568	6334914
3	Himachal Pradesh	586423	489996	135835	196988	722258	686984
4	Jammu & Kashmir	917330	1053258	36153	258525	953483	1311783
5	Punjab	2872085	5402287	605728	2343358	3477813	7745645
6	Rajasthan	6761137	6157042	1200039	2151052	7961176	8308094
7	Chandigarh UT	3177	40844	33666	158401	36843	199245
8	Arunachal Pradesh	4618	2450	842	3132	5460	5582
9	Assam	243518	105700	729738	618918	973256	724618
10	Manipur	7200	3803	14971	21040	22171	24842
11	Meghalaya	25793	13715	4993	6208	30786	19923
12	Mizoram	2631	1717	8432	34560	11063	36277
13	Nagaland	33824	8327	4627	12596	38451	20923
14	Sikkim	7324	5910	5882	10083	13206	15993
15	Tripura	65919	41274	331560	227813	397479	269087
16	A & N Island	3238	3119	7356	9877	10594	12996
17	Bihar	2247498	1788625	2736344	1794144	4983842	3582769
18	Jharkhand	533134	175729	369841	233437	902975	409166
19	Odisha	4406160	1733809	1511951	1007793	5918111	2741602
20	West Bengal	2480794	1221784	3648283	3410853	6129077	4632637
21	Chhattisgarh	1567170	642086	244083	397008	1811253	1039094
22	Madhya Pradesh	6939372	4414701	1104581	1732732	8043953	6147433
23	Uttarakhand	560048	530000	167086	503582	727134	1033582
24	Uttar Pradesh	8764904	6045197	1637804	2860839	10402708	8906036
25	Goa	26980	34033	35027	97927	62007	131961
26	Gujarat	3189731	3985046	768708	2626071	3958439	6611117
27	Maharashtra	4607603	3366558	1734643	4990396	6342246	8356954
28	Dadra & Nagar Haveli U	569	1104	1010	5961	1579	7065
29	Daman & Diu UT	522	986	615	3399	1137	4386
30	Andhra Pradesh	10272275	8291211	2152219	3986949	12424494	12278160
31	Telangana	4160212	2737804	738671	3016514	4898883	5754318
32	Karnataka	4929902	3797494	3880668	3544378	8810570	7341871
33	Kerala	6850932	6002335	1913921	3243339	8764853	9245674
34	Puducherry	308216	218909	79006	67738	387222	286646
35	Tamil Nadu	17436270	12599610	5584511	6422612	23020781	19022222
36	Lakshadweep UT	244	140	190	152	434	292
Total		93572401	75220924	31962255	50462038	125534656	125682962

Source: Department of Agriculture, Cooperation & Farmers Welfare

Table 8.11: 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)

Sl. No.	State/UT	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
		(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

Table 8.12: State-wise progress under Pradhan Mantri Fasal Bima Yojana (PMFBY) - Cumulative upto Rabi 2018-19

(₹ in lakh)											
S.No.	State / UTs	No. of Farmers covered	Area Insured (In Ha)	Sum Insured	Farmers' Premium	Gol Premium (Share)	State Govt. Premium (Share)	Gross Premium	Claims Reported	Claims Paid	No. of Farmers Benefitted
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
1	Andhra Pradesh	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

Table 8.13: State-wise progress under Restructured Weather Based Crop Insurance Scheme (RWBCIS)- Cumulative upto Rabi 2018-19

(₹ in lakh)											No. of Farmers Benefitted
S.No.	State/ UTs	No. of Farmers covered	Area Insured (In Ha)	Sum Insured	Farmers' Premium	Gol Premium (Share)	State Govt. Premium (Share)	Gross Premium	Claims Reported	Claims Paid	
(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

Table 8.14: 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

Table 8.15: State-wise Area Insured under all Insurance Schemes

States/UTs	(Area in lakh hectare)											
	2015-16			2016-17			2017-18			2018-19		
	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
Lakshdweep	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

Table 8.16: State-wise Area covered under Micro Irrigation

(As on 31.03.2019)

(Hectare)

S.No.	Name of 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	Chattisgarh	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

Table 8.17: State-wise Cold Storage Capacity

(As on 31.03.2019)

S.No.	State/UT	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) and National Horticulture Board (NHB) for years upto 2009-10 and National Horticulture Mission (NHM) & Ministry of Food Processing Industries(MoFPI) from 2009-10 onwards

Table 8.18: 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
	Orissa	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
	Orissa	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
	Orissa	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
	Orissa	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
	Orissa	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
	Orissa	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
	Orissa	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
	Orissa	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
	Orissa	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
	Orissa	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 & 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.

Table 8.19: All-India Projected Cost of Production (A2+FL) of major Crops in India

		(₹ per quintal)						
Sl. No.	Commodity	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Kharif crops*								
1	Paddy	961	978	1020	1045	1117	1166	1208
2	Jowar	1269	1370	1467	1501	1556	1619	1698
3	Bajra	768	832	893	925	949	990	1083
4	Maize	860	914	941	966	1044	1131	1171
5	Ragi	1338	1474	1688	1733	1861	1931	2100
6	Arhar(tur)	3090	3105	3237	3241	3318	3432	3636
7	Moong	3775	3890	3993	4065	4286	4650	4699
8	Urad	3144	3225		3584	3265	3438	3477
9	Cotton	2485	2510	2753	2889	3276	3433	3501
10	Groundnut in shell	2720	3232	3314	3371	3159	3260	3394
11	Sunflower seed	1692	1729	1770	1852	3481	3592	3767
12	Soybean (black)	3000	3129	3282	3479	2121	2266	2473
13	Sesamum	2919	3765	4132	4188	4067	4166	4322
14	Nigerseed	2279	3084	3146	3366	3912	3918	3960
Rabi crops**								
1	Wheat	687	679	744	785	797	817	866
2	Barley	620	676	735	776	816	845	860
3	Gram	1926	1786	1902	2124	2241	2461	2637
4	Masur (lentil)	1696	1799	1866	2015	2174	2366	2532
5	Rapeseed/mustard	1260	1307	1504	1702	1871	2123	2212
6	Safflower	2754	2558	3025	3057	3049	3125	3294
Other crops***								
1	Jute	1015@	1702	2042	2125	2160	2267	2535
2	Sugarcane	120	123	140	140#	145	157	156#
3	Copra	3705	4398	4138	4676	4758	5007	5540\$

Source: Price Policy Reports of Commission for Agricultural Costs and Prices (CACP).

* Figures are for Kharif Marketing Season of the respective year, \$ Excluding Establishment Cost

** For Rabi Marketing Season of the respective year

*** For Marketing Season of respective year

@ : The figure consists of only A2 and not FL

Costs at 10% Recovery rate for 2019-20 Sugar Season

Table 8.20: All India Annual Average Daily Wage Rate of Field Labourers

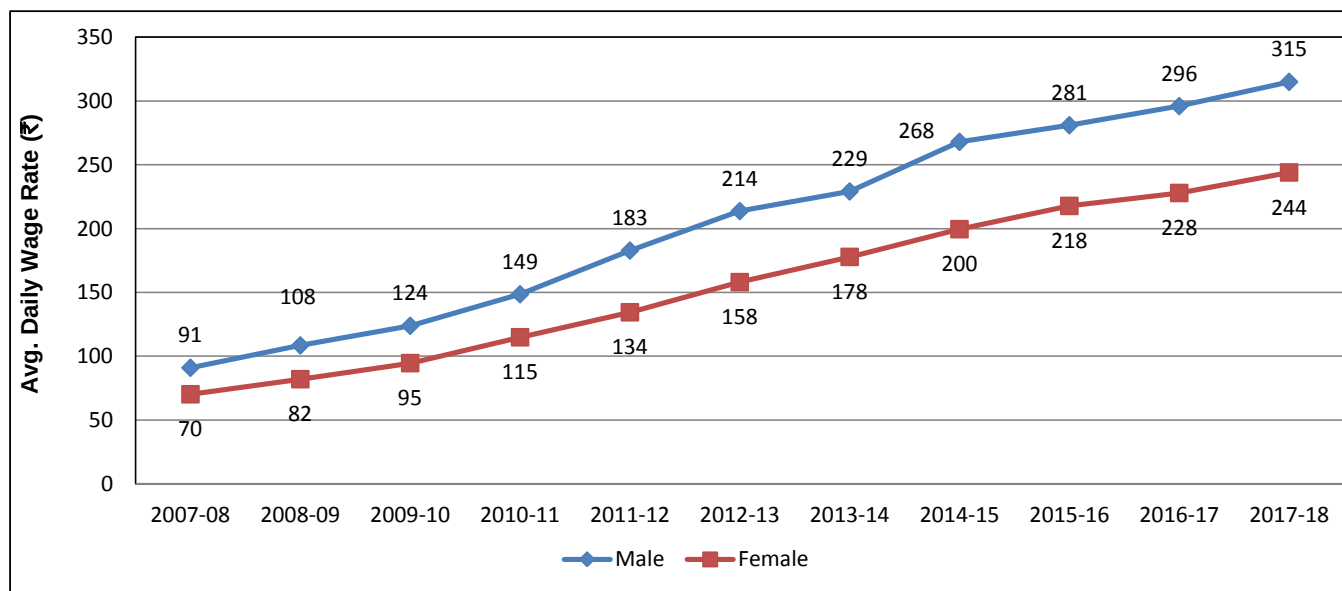
Year	Wages (₹)	
	Male	Female
(1)	(2)	(3)
2007-08	91	70
2008-09	108	82
2009-10	124	95
2010-11	149	115
2011-12	183	134
2012-13	214	158
2013-14	229	178
2014-15	268	200
2015-16	281	218
2016-17	296	228
2017-18	315	244

Source: Directorate of Economics & Statistics

Note 1. All India annual average is calculated for 19 major States.

2. Average Daily Wage is taken as average of five major agricultural operations, including ploughing, sowing, weeding, reaping and harvesting.

Chart 8 (b): Average Daily Wage Rate of Male & Female Field Labourers



Source: Directorate of Economics & Statistics

9.
PRICES
&
PROCUREMENT

Table 9.1(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.

Table 9.1(b): 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	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	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	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	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
Soyabean 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	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	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	160.4	181.9

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

Table 9.2: Consumer Price Index (Combined) of Food and Beverages (Base: 2012=100)

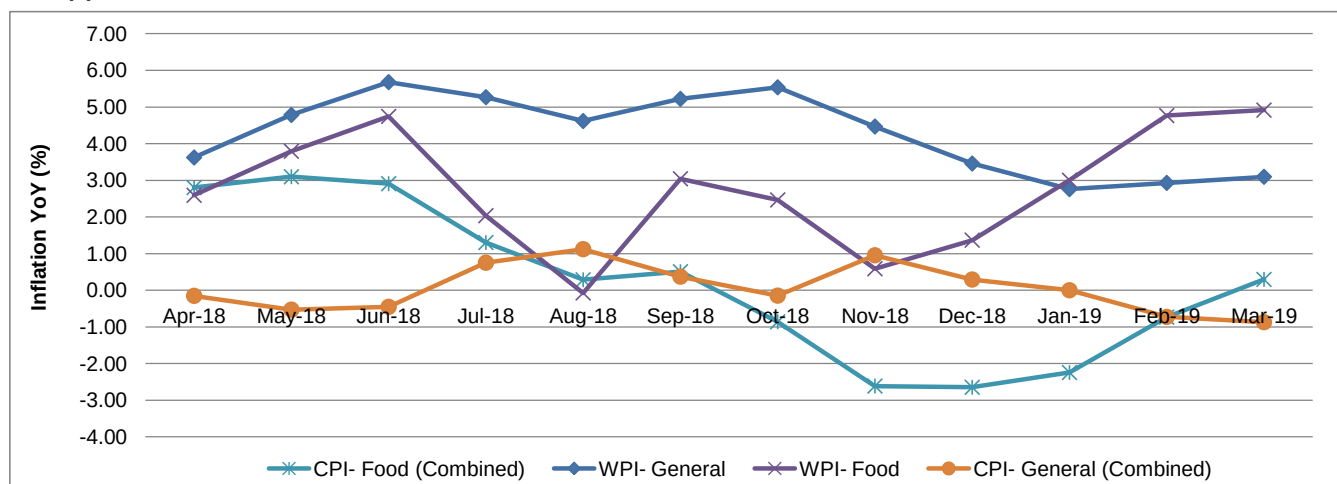
Group/Sub-Group	Weight	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
General Index (All Groups)	100	102.5	112.2	118.9	124.7	130.3	135.0	139.6
Food and Beverages	45.86	103.3	115.6	123.1	129.4	135.2	138.1	139.1
Cereals & Products	9.67	103.8	116.6	122.6	124.9	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: Central Statistics Office

Notes:

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

Chart 9(a): Month-wise trend in Food Inflation based on WPI and CPI

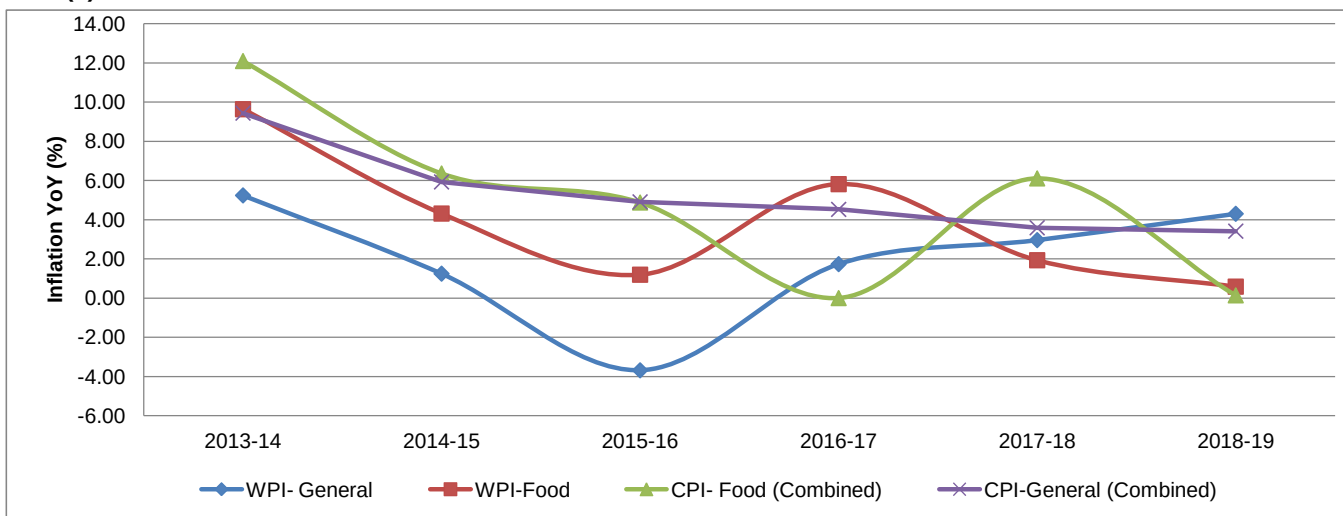


Source: Ministry of Commerce & Industry and Central Statistics Office

Note: i) CPI is based on new series with Base 2012=100 and WPI with new series Base 2011-12=100

ii) Inflation is based on Food Price Index of CPI and WPI

Chart 9(b): Year-wise trend in Food Inflation based on WPI and CPI



Source: Ministry of Commerce & Industry and Central Statistics Office

Note: i) CPI is based on new series with Base 2012=100 and WPI with new series Base 2011-12=100

ii) Inflation is based on Food Price Index of CPI and WPI

Table 9.3(a): Index of Terms of Trade between Farmers and Non-Farmers

(Base: Triennium Ending 2011-12=100)

Year	Index of Prices Received (IPR)	Index of Price Paid (IPP) for				Index of Terms of Trade (ITT)
		Final Consumption (IPP-FC)	Intermediate Consumption (IPP-IC)	Capital Formation (IPP-CF)	Combined Index (IPP)	
Weight→		38.19	43.44	18.37	100.00	(Col-2/6*100)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
2004-05	62.35	80.18	62.12	73.06	71.03	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 and Statistics

(P): Provisional

Table 9.3(b): Index of Terms of Trade between Agriculture and Non-Agricultural sectors

(Base: Triennium Ending 2011-12=100)

Year	Index of Prices Received for			Index of Prices Paid for Final Consumption for			Index of Prices Paid for		Combined Index for Prices Paid (IPP)	Index of Terms of Trade (ITT)
	Farmers	Agricultural Labourers	Index of Prices Received	Farmers	Agricultural Labourers	Combined Index for Final	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 and Statistics

* Provisional

**Table 9.4: Minimum Support Prices of various Agricultural Commodities
(According to Crop Year)**

(₹ per quintal)									
S. No.	Commodity	Variety	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20 ^{##}
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Kharif Crops									
1	Paddy	Common	1310	1360	1410	1470	1550	1750	1815
		Grade 'A'	1345	1400	1450	1510	1590	1770	1835
2	Jowar	Hybrid	1500	1530	1570	1625	1700	2430	2550
		Maldandi	1520	1550	1590	1650	1725	2450	2570
3	Bajra		1250	1250	1275	1330	1425	1950	2000
4	Maize		1310	1310	1325	1365	1425	1700	1760
5	Ragi		1500	1550	1650	1725	1900	2897	3150
6	Arhar(Tur)		4300	4350	4625 [^]	5050 ^{^^}	5450 [^]	5675	5800
7	Moong		4500	4600	4850 [^]	5225 ^{^^}	5575 [^]	6975	7050
8	Urad		4300	4350	4625 [^]	5000 ^{^^}	5400 [^]	5600	5700
9	Cotton	Medium Staple	3700	3750	3800	3860	4020	5150	5255
		Long Staple	4000	4050	4100	4160	4320	5450	5550
10	Groundnut in Shell		4000	4000	4030	4220 [*]	4450 [^]	4890	5090
11	Sunflower Seed		3700	3750	3800	3950 [*]	4100 [*]	5388	5650
12	Soybean		2560	2560	2600	2775 [*]	3050 [^]	3399	3710
13	Sesamum		4500	4600	4700	5000 [^]	5300 [*]	6249	6485
14	Nigerseed		3500	3600	3650	3825 [*]	4050 [*]	5877	5940
Rabi Crops									
15	Wheat		1400	1450	1525	1625	1735	1840	1925
16	Barley		1100	1150	1225	1325	1410	1440	1525
17	Gram		3100	3175	3500 ^{**}	4000 [^]	4400 [@]	4620	4875
18	Masur (Lentil)		2950	3075	3400 ^{**}	3950 [@]	4250 [*]	4475	4800
19	Rapeseed/Mustard		3050	3100	3350	3700 [*]	4000 [*]	4200	4425
20	Safflower		3000	3050	3300	3700 [*]	4100 [*]	4945	5215
21	Toria		3020	3020	3290	3560	3900	4190	
Other Crops									
22	Copra (Calendar Year)	Milling	5250	5250	5550	5950	6500	7511	9521
		Ball	5500	5500	5830	6240	6785	7750	9920
23	De-Husked Coconut (Calendar Year)		1425	1425	1500	1600	1760	2030	2571
24	Jute		2300	2400	2700	3200	3500	3700	3950
25	Sugarcane\$		210	220	230	230	255	275	275

Source: Directorate of Economics & Statistics, DAC&FW

^{##} As on 23.10.2019 for rabi crops

\$ Fair and remunerative price.

* 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

Table 9.5: State-wise Procurement of Rice and Wheat in major Rice and Wheat Producing States

('000 Tonnes)									
State	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)
Rice (Oct-Sept)									
Punjab	7731	8558	8106	7786	93.5	11052	11833	11334	4442
Haryana	2007	2609	2406	2015	2861	3583	3992	3941	3371
Uttar Pradesh	3355	2286	1127	1698	2910	2354	2875	3233	31
Andhra Pradesh	7540	6464	3737	3596	4336	3724	4000	4806	
Telangana	-	-	4353	3504	158	3596	3618	5186	
Madhya Pradesh	635	898	1045	807	849	1314	1096	1395	
Odisha	2864	3613	2801	3357	3369	3630	3287	4383	
Tamil Nadu	1596	481	684	1051	1192	144	1011	1294	20
West Bengal	2036	1766	1359	2032	1568	1923	1673	1979	
Chhattisgarh	4115	4804	4290	3423	3442	4022	3255	3971	
Uttarakhand	378	497	463	465	598	706	38	462	
Others	2784	2068	1474	2603	2162	2058	1506	2347	11
All-India	35041	34044	31845	32040	34217	38106	38184	44331	7875
Wheat (April-March)									
Punjab	10958	12834	10897	11641	10344	10649	11706	12692	12912
Uttar Pradesh	3461	5063	682	628	2267	797	3699	5294	3700
Haryana	6928	8665	5873	6495	6778	6752	7432	8784	9320
Rajasthan	1303	1964	1268	2159	1300	762	1245	1532	1411
Chhattisgarh	-	-	9	-		3992	6725	7313	6725
Uttarakhand	42	139	5	1	4				
Bihar	557	772	0	0	0	2	2	110	42
Chandigarh	7	17	8	5	11	0	0	18	3
Delhi	8	31	Neg.	0	2	7	8	14	12
Gujarat	105	156	0	0	73	0			0
Himachal Pradesh	1	1	Neg.	Neg.	0	0	7	37	5
Jammu & Kashmir	-	9	0	0	0	0		1	1
Madhya Pradesh	4965	8493	6355	7094	7309				
Maharashtra	-	2	0	0	0				
Jharkhand	-	-	0	0	0				
West Bengal	-	2	2	0	0				
All-India	28335	38148	25092	28023	28088	22962	30824	35795	34131

Source : Department of Food and Public Distribution.

* Position as on 25.10.2019

Neg : Below 500 tonnes.

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

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. Arhar					
	2015-16	-	-	-	-
	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, Tamilnadu and Telangana
	2019-20*	5800	361.30	209.55	Telangana
2. Urad					
	2015-16	-	-	-	-
	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, Tamilnadu, Telangana and Uttar Pradesh
	2019-20*	5600 (Rabi) and 5700 (Kharif)	18284.42	10239.71	Andhra Pradesh, Maharashtra, Odisha, Rajasthan, Tamilnadu and Telangana
3. Gram					
	2015-16	-	-	-	-
	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					
	2015-16	-	-	-	-
	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

(Contd..)

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

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)
5. Moong					
	2015-16	-	-	-	-
	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 Telanagana
	2018-19	5575 (Rabi) and 6975 (Kharif)	306960.29	213505.72	Andhra Pradesh, Gujarat, Haryana, Karnataka, Madhya Pradesh, Maharashtra, Odisha, Rajasthan, Tamilnadu and Telangana
	2019-20*	6975 (Rabi) and 7050 (Kharif)	164911.59	116067.42	Andhra Pradesh, Gujarat, Haryana, Karnataka, Maharashtra, Odisha, Rajasthan, Tamilnadu and Telangana

Source: Department of Agriculture, Cooperation & Farmers Welfare

* - As on 07.01.2020, FAQ: Fair and Average Quality

9.6(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
(1)	(2)	Quantity (3)	Value (4)	Quantity (5)	Value (6)	Quantity (7)	Value (8)	Quantity (9)	Value (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
	2018-19*	-	-	-	-	-	-	-	-	-
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	-	-	-	-	-	-	-	-	-
	2018-19*	-	-	-	-	-	-	-	-	-
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
	2018-19*	-	-	-	-	-	-	-	-	-
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
	2018-19*	-	-	-	-	-	-	-	-	-
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*	-	-	-	-	-	-	-	-	-

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

10.

PER-CAPITA
AVAILABILITY
& CONSUMER
EXPENDITURE

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

(Kgs Per Year)						
Year	Rice	Wheat	Other Cereals	Cereals	Pulses	Food Grains
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1951	58.0	24.0	40.0	122.0	22.1	144.1
1961	73.4	28.9	43.6	145.9	25.2	171.1
1971	70.3	37.8	44.3	152.4	18.7	171.1
1981	72.2	47.3	32.8	152.3	13.7	166.0
1991	80.9	60.0	29.2	171.0	15.2	186.2
2001	69.5	49.6	20.5	141.0	10.9	151.9
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 based on 4th Advance Estimates of production for 2018-19

Note:- i) The net availability of foodgrains is estimated to be Gross Production (-) seed, feed & wastage

(-) exports (+) imports(+/-) change in stocks.

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

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

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

Table 10.2: Per Capita Availability of Certain Important Articles of Consumption

Year	Edible Oils ^a (kg.)	Vanaspati ^b (kg.)	Sugar (Nov-Oct) (kg.) ^c	Cloth (meters) ^d Cotton ^e Man-made		Total	Tea (gm)	Coffee ^f (gm)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1980-81	3.8	1.2	7.3	12.9	4.4	17.3	511	79
1990-91	5.5	1.0	12.7	15.1	9.0	24.1	612	59
2000-01	8.2	1.3	15.8	14.2	16.5	30.7	631	58
2009-10	13.3	1.1	17.9	19.7	23.4	43.1	709	86
2010-11	13.6	1.0	17.0	21.4	22.6	44.0	715	90
2011-12	13.8	1.0	18.7	19.8	20.7	40.5	728	95
2012-13	15.8	0.7	18.7	19.9	18.6	38.5	779	97
2013-14	16.8	0.8	19.5	19.9	16.4	36.2	744	100
2014-15	18.3	0.8	20.3	23.6	17.0	40.6	752	100
2015-16	17.7	0.8	19.4	24.6	15.9	40.5	758	100
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

Note: 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 follownig 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 meter from 1985-86 onwards.

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

f: Figures are on calendar year basis. The figures for 1980-81 correspond to 1980 and so on.

Table 10.3: Trends in Consumer Expenditure since 2004-05 (percentage composition)

Item group	Rural			Urban		
	Share in total consumer expenditure			Share in total consumer expenditure		
	2004-05	2009-10	2011-12	2004-05	2009-10	2011-12
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Cereal	18.0	15.6	12.0	10.1	9.1	7.3
Gram	0.1	0.2	0.2	0.1	0.1	0.1
Cereal substitutes	0.1	0.1	0.1	0.0	0.0	0.1
Pulses & products	3.1	3.7	3.1	2.1	2.7	2.1
Milk & products	8.5	8.6	9.1	7.9	7.8	7.8
Edible oil	4.6	3.7	3.8	3.5	2.6	2.7
Egg fish & meat	3.3	3.5	3.6	2.7	2.7	2.8
Vegetables	6.1	6.2	4.8	4.5	4.3	3.4
Fruits & nuts	1.9	1.6	1.9	2.2	2.1	2.3
Sugar	2.4	2.4	1.8	1.5	1.5	1.2
Salt & spices	2.5	2.4	2.4	1.7	1.5	1.7
Beverages, etc.	4.5	5.6	5.8	6.2	6.3	7.1
Food Total	55.0	53.6	48.6	42.5	40.7	38.5
Paan, tobacco, intoxic.	2.7	2.2	2.4	1.6	1.2	1.4
Fuel & light	10.2	9.5	9.2	9.9	8.0	7.6
Clothing & bedding	4.5	4.9	6.3	4.0	4.7	5.3
Footwear	0.8	1.0	1.3	0.7	0.9	1.2
Misc. & services	23.4	24.0	26.1	37.2	37.8	39.7
Durable goods	3.4	4.8	6.1	4.1	6.7	6.3
Non-food Total	45.0	46.4	51.4	57.5	59.3	61.5
Total expenditure	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.

11.

KEY INDICATORS OF
SITUATION OF
AGRICULTURAL
HOUSEHOLDS IN
INDIA

Table 11.1: Estimated number of Rural Households, Agricultural Households and Indebted Agricultural Households

State	Estimated Number of Rural Households (‘00)	Estimated Number of Agricultural Households (‘00)	Agricultural Households as percentage of rural households (%)	Estimated Number of Agricultural Households having loan (‘00)	% of Agricultural Households indebted
(1)	(2)	(3)	(4)	(5)	(6)
Andhra Pradesh*	86763	35968	41.5	33421	92.9
Arunachal Pradesh	1659	1080	65.1	206	19.1
Assam	52494	34230	65.2	5995	17.5
Bihar	140611	70943	50.5	30156	42.5
Chhattisgarh	37472	25608	68.3	9538	37.2
Gujarat	58719	39305	66.9	16743	42.6
Haryana	25849	15693	60.7	6645	42.3
Himachal Pradesh	13251	8811	66.5	2457	27.9
Jammu & Kashmir	13746	11283	82.1	3463	30.7
Jharkhand	37516	22336	59.5	6464	28.9
Karnataka	77430	42421	54.8	32775	77.3
Kerala	51377	14043	27.3	10908	77.7
Madhya Pradesh	84666	59950	70.8	27414	45.7
Maharashtra	125182	70970	56.7	40672	57.3
Manipur	2584	1762	68.2	421	23.9
Meghalaya	4721	3544	75.1	84	2.4
Mizoram	936	758	81.0	47	6.2
Nagaland	4128	2621	63.5	65	2.5
Odisha	78120	44935	57.5	25830	57.5
Punjab	27552	14083	51.1	7499	53.2
Rajasthan	82722	64835	78.4	40055	61.8
Sikkim	1150	674	58.6	97	14.4
Tamil Nadu	93607	32443	34.7	26780	82.5
Telangana*	49309	25389	51.5	22628	89.1
Tripura	6635	2445	36.9	559	22.9
Uttar Pradesh	241328	180486	74.8	79081	43.8
Uttanchal	16498	10608	64.3	5387	50.8
West Bengal	141359	63624	45.0	32787	51.5
UTs	2394	718	30.0	267	37.2
All India	1561442	902011	57.8	468481	51.9

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

Note;1 Reference period for Indebtedness is "as on the date of survey"

2 Indebtedness relates to all kind of outstanding loans irrespective of the purpose for which taken

Table 11.2: 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)

Note:1 Reference period for land possession and Indebtedness is "as on the date of survey"

2 Indebtedness relates to all kind of outstanding loans irrespective of the purpose for which taken

Table 11.3: 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"

Table 11.4: Incidence of Indebtedness based on size of land possessed

State	% of Marginal Indebted Agricultural Households (upto 1.0 ha of land)	% of Small Indebted Agricultural Households (1.01 to 2.00 ha)	% of Semi-Medium Indebted Agricultural Households (2.01 to 4.00 ha)	% of Medium Indebted Agricultural Households (4.01 to 10.00 ha)	% of Large Indebted Agricultural Households (>10.00 ha)
(1)	(2)	(3)	(4)	(5)	(6)
1. Uttar Pradesh	77.2	13.4	7.1	2.1	0.2
2. Maharashtra	35.6	29.3	22.8	11.6	0.7
3. Madhya Pradesh	42.3	27.4	21.4	7.5	1.3
4. Rajasthan	50.9	18.3	16.8	12.1	1.9
5. Karnataka	52	24.4	14.8	7.4	1.3
6. Andhra Pradesh*	52.2	23.9	16.1	6.9	0.9
7. Telangana*	51	23.6	19.6	5	0.9
8. Bihar	86.7	10	2.6	0.7	0
9. West Bengal	91.1	7.4	1.4	0.1	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	5.4	0.6

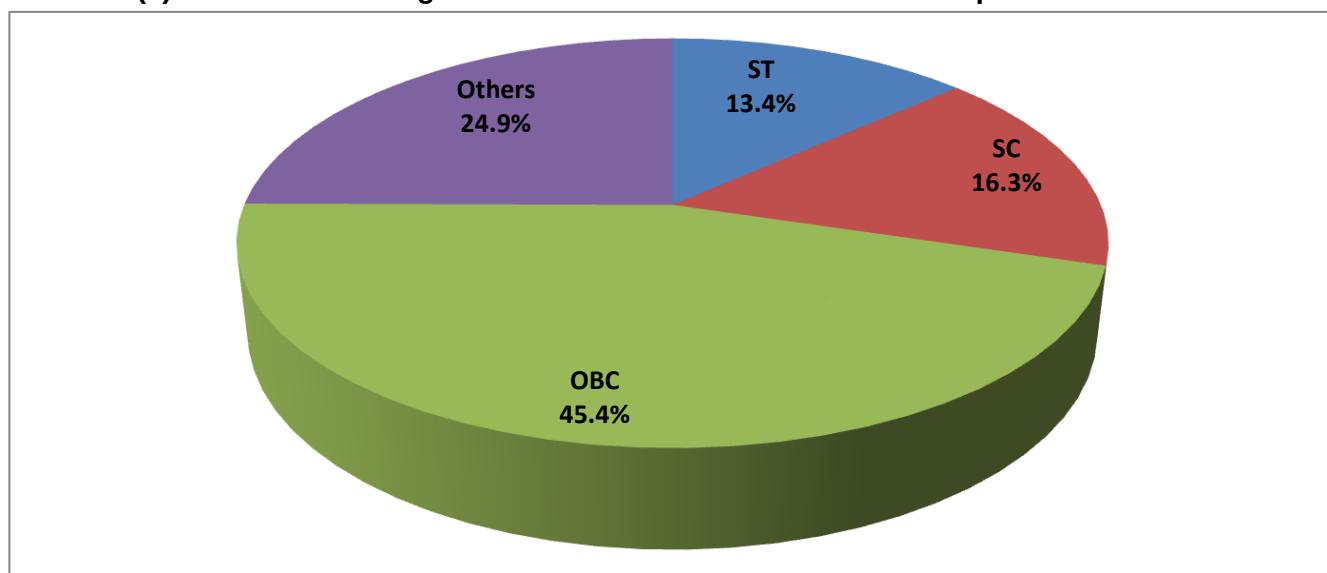
Source: Situation Assessment Survey of Agricultural Households (Jan-Dec 2013), National Statistical Office (NSO)

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

Note:1 Reference period for land possession and Indebtedness is "as on the date of survey"

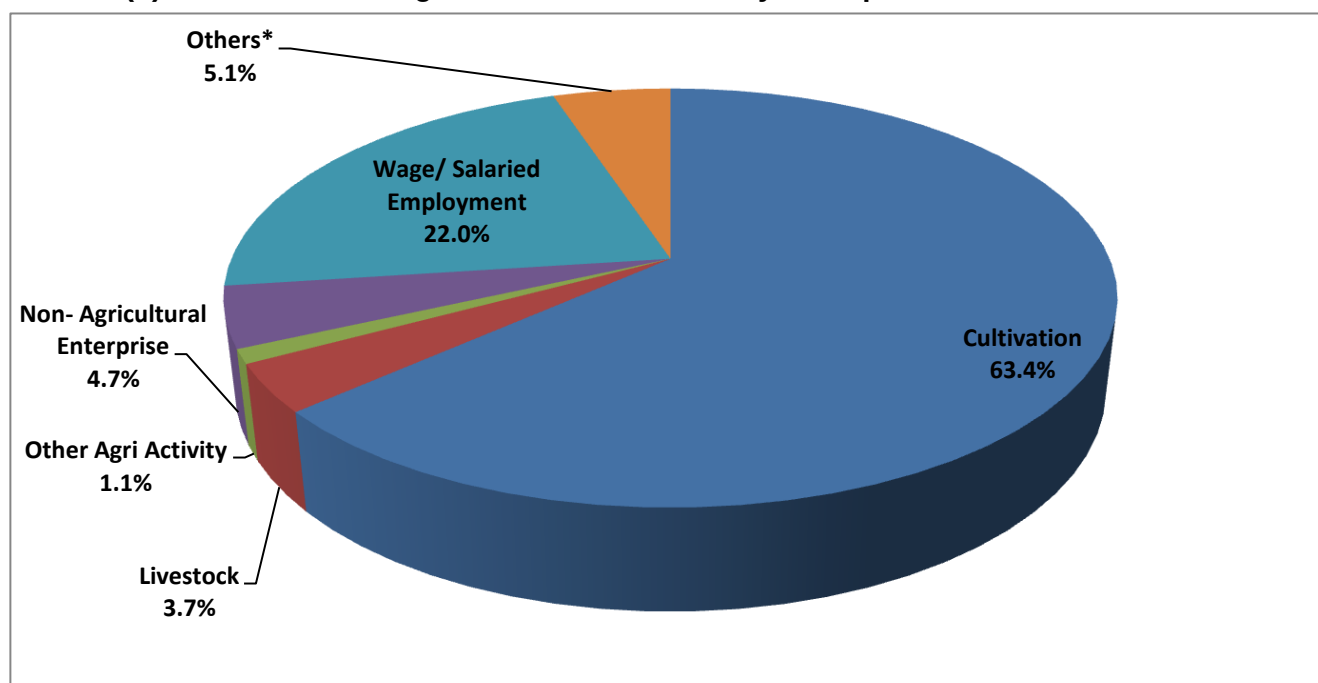
2 Indebtedness relates to all kind of outstanding loans irrespective of the purpose for which taken

Chart 11 (a): Distribution of Agricultural Households over Social Groups



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

Chart 11 (b): Distribution of Agricultural Households by Principal source of Income



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

* Others include pension and remittance also

Table 11.5: Average Monthly Expenses and Receipts from Crop Production per Agricultural Household for major States during July 2012- June 2013

State	Average Total Expenses (₹)	Average Total Receipts (₹)	No. per 1000 households engaged in crop production	Estimated No. of Households engaged in Crop Production (00)
(1)	(2)	(3)	(4)	(5)
Andhra Pradesh	6191	8482	883	31747
Assam	788	5197	955	32689
Bihar	1454	3358	900	63872
Chhattisgarh	1128	4551	978	25035
Gujarat	2250	5773	832	32787
Haryana	6228	17144	721	11310
Jharkhand	571	2049	982	21939
Karnataka	2779	7908	961	40770
Kerala	2270	5872	980	13765
Madhya Pradesh	2284	6538	944	56604
Maharashtra	2654	6675	959	68051
Odisha	1001	2438	979	43999
Punjab	11768	28117	664	9357
Rajasthan	1730	5192	906	58705
Tamil Nadu	2538	5012	775	25148
Telangana	4267	8666	961	24397
Uttar Pradesh	1790	4912	914	165029
West Bengal	1819	2836	962	61206
All India	2192	5542	920	829485

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

Table 11.6: Average Monthly Expenses and Receipts from Farming of Animals per Agricultural Household for major States during July 2012- June 13

State	Average Total Expenses (₹)	Average Total Receipts (₹)	No. per 1000 households engaged in farming of animals	Estimated No. of Households engaged in farming of animals ('00)
(1)	(2)	(3)	(4)	(5)
Andhra Pradesh	1405	3619	486	17478
Assam	627	1890	633	21661
Bihar	1324	1810	574	40743
Chhattisgarh	491	426	298	7624
Gujarat	2399	4874	780	30726
Haryana	3256	6089	933	14649
Jharkhand	283	2420	558	12478
Karnataka	1524	2485	624	26452
Kerala	2249	3356	519	7288
Madhya Pradesh	914	2210	565	33881
Maharashtra	2118	3039	586	41572
Odisha	501	2919	544	24432
Punjab	3561	5303	952	13412
Rajasthan	1868	3131	766	49626
Tamil Nadu	1370	3196	603	19556
Telangana	1044	1994	394	9995
Uttar Pradesh	1068	1845	699	126168
West Bengal	916	1261	652	41506
All India	1388	2604	627	565620

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

12.

AGRICULTURAL PROJECTIONS

Table 12.1: Demand Estimates of Foodgrains and Other Major Crops in India

(Million Tonnes)

Commodity	2011-12	2012-13	2016-17	2020-21	2021-22	2028-29	2029-30
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Rice	93.99	92.54	103.59	108.16	109.28	116.49	117.56
Wheat	90.01	78.20	90.18	95.71	97.12	107.08	108.62
Coarse Cereals	38.00	34.64	40.02	45.44	46.92	58.98	60.99
Cereals	221.99	205.37	233.79	249.31	253.31	282.55	287.18
Pulses	20.31	22.09	23.61	26.05	26.72	31.83	32.64
Foodgrains	242.30	227.46	257.39	275.36	280.03	314.37	319.81
Edible oil (without palmoil)	9.55	11.41	14.08	16.50	17.21	23.24	24.31
Oilseeds	34.11	40.75	50.30	58.92	61.45	83.02	86.80
Milk and products	119.38	123.01	147.54	174.26	181.93	245.61	256.43
Eggs, meat and fish	11.64	12.02	14.40	17.63	18.62	27.73	29.45
Vegetables	152.14	155.51	182.35	214.82	224.27	302.93	316.33
Fruits	88.13	80.73	101.51	121.38	126.72	171.20	178.74
Nuts	1.64	1.69	2.00	2.35	2.45	3.31	3.45
Sugar	34.74	35.48	36.53	39.66	40.26	44.25	44.77

Source: Working Group Report on Demand and Supply Projections Towards 2033, NITI Aayog

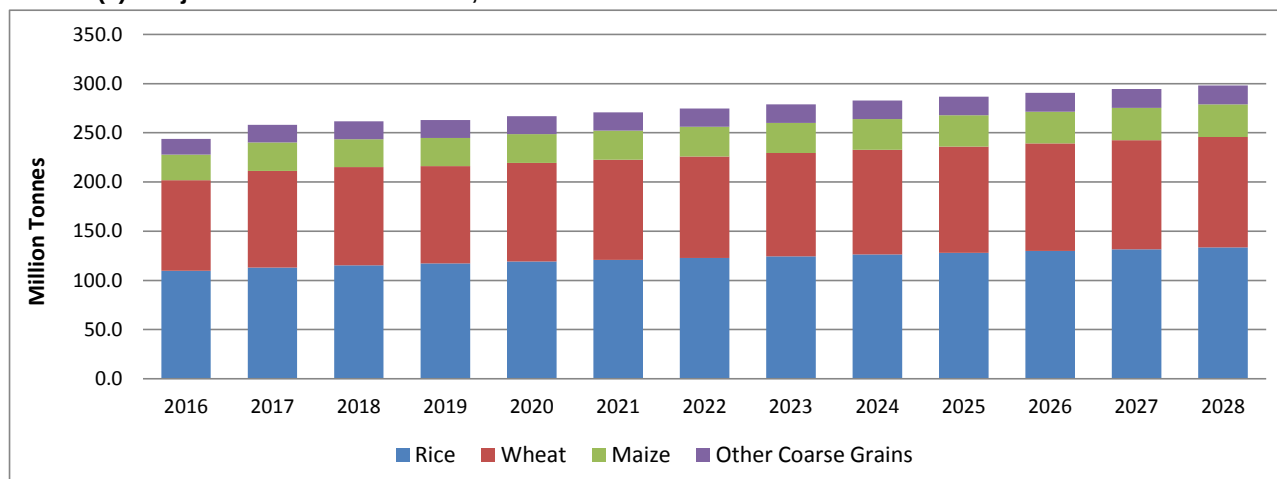
Table 12.2: Supply Estimates of Foodgrains and Other Major Crops in India

(Million Tonnes)

Commodity	2015-16	2016-17	2017-18	2020-21	2021-22	2028-29	2029-30	2032-33
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Rice	104.41	110.15	112.50	119.76	122.19	140.25	143.02	151.69
Wheat	92.29	98.38	100.21	107.18	109.50	127.21	130.00	138.82
Coarse Cereals	38.52	44.19	44.09	46.96	47.93	55.93	57.29	61.79
Cereals	235.22	252.72	256.79	273.90	279.62	323.38	330.31	352.30
Pulses	16.35	22.95	22.09	23.73	24.35	29.79	30.75	33.95
Foodgrains	251.57	275.67	278.88	297.63	303.97	353.17	361.06	386.25
Oilseeds	25.25	32.10	34.03	37.81	39.19	51.00	53.07	59.96
Sugarcane	348.45	306.72	333.76	353.67	360.10	407.25	414.16	435.69
Sugar	35.54	31.29	34.04	36.07	36.73	41.54	42.24	44.44
Cotton	30.01	33.09	36.75	45.71	49.20	83.43	90.13	113.94
Jute & mesta	10.52	10.60	10.69	10.99	11.09	11.88	12.01	12.39
Fruit	90.18	93.71	100.15	115.25	120.79	167.83	175.92	202.66
Vegetables	169.06	176.18	184.63	211.29	221.02	302.95	316.92	362.86
Total horticulture	286.19	299.85	314.98	365.10	383.53	541.42	568.76	659.38
Milk	155.50	162.53	169.88	193.97	202.74	276.28	288.77	329.73
Eggs	82.93	87.73	92.81	109.88	116.24	172.38	182.36	215.91
Wool	48.20	48.30	48.40	48.72	48.84	49.69	49.82	50.23
Meat	7.00	7.78	8.65	11.88	13.21	27.71	30.81	42.33
Fish	10.91	11.42	11.94	13.68	14.31	19.64	20.55	23.55

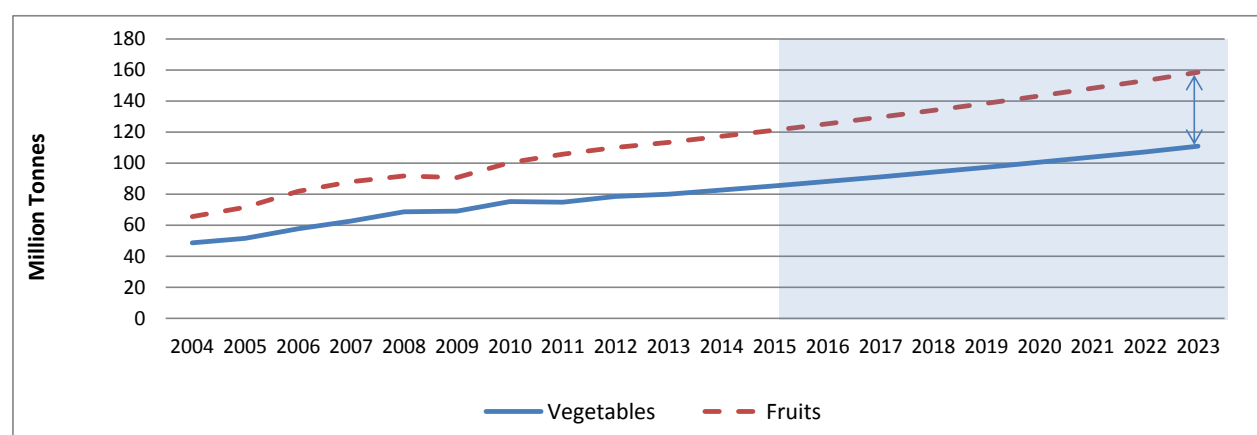
Source: Working Group Report on Demand and Supply Projections Towards 2033, NITI Aayog

Chart 12 (a): Projected Production of Rice, Wheat and Coarse Grains in India



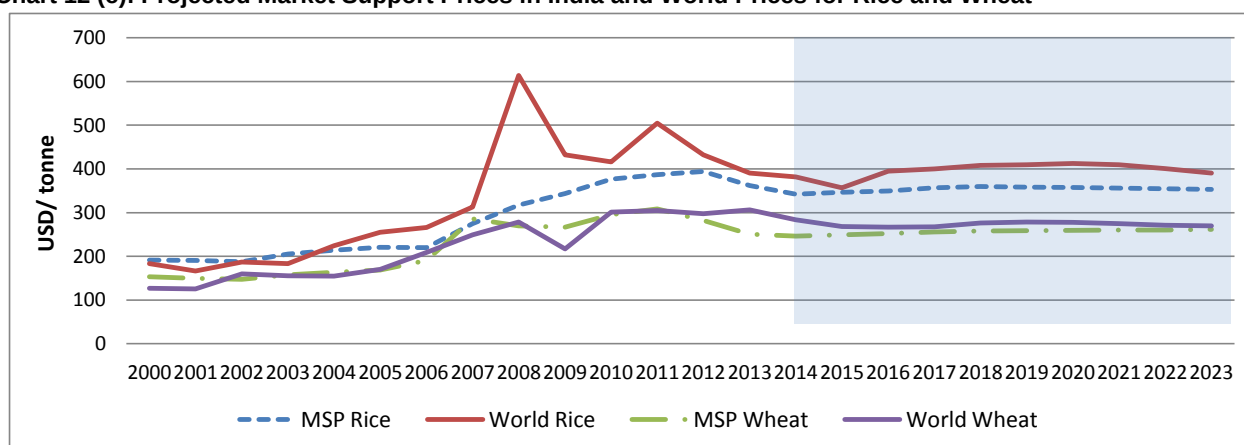
Source: OECD- FAO Agriculture Outlook (2019-2028)

Chart 12 (b): Projected Production of Vegetables and Fruits in India



Source: OECD- FAO Agriculture Outlook (2014-2023)

Chart 12 (c): Projected Market Support Prices in India and World Prices for Rice and Wheat

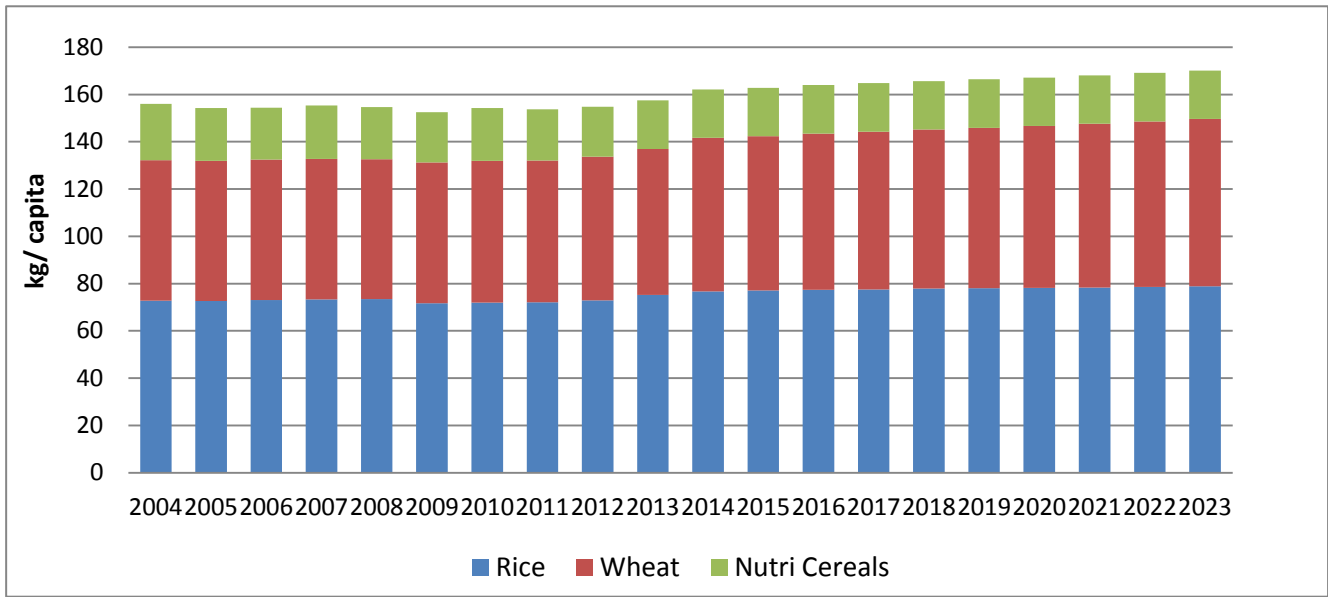


Source: OECD- FAO Agriculture Outlook (2014-2023)

Note: Minimum Support Price (MSP) for paddy rice is adjusted to milled basis.

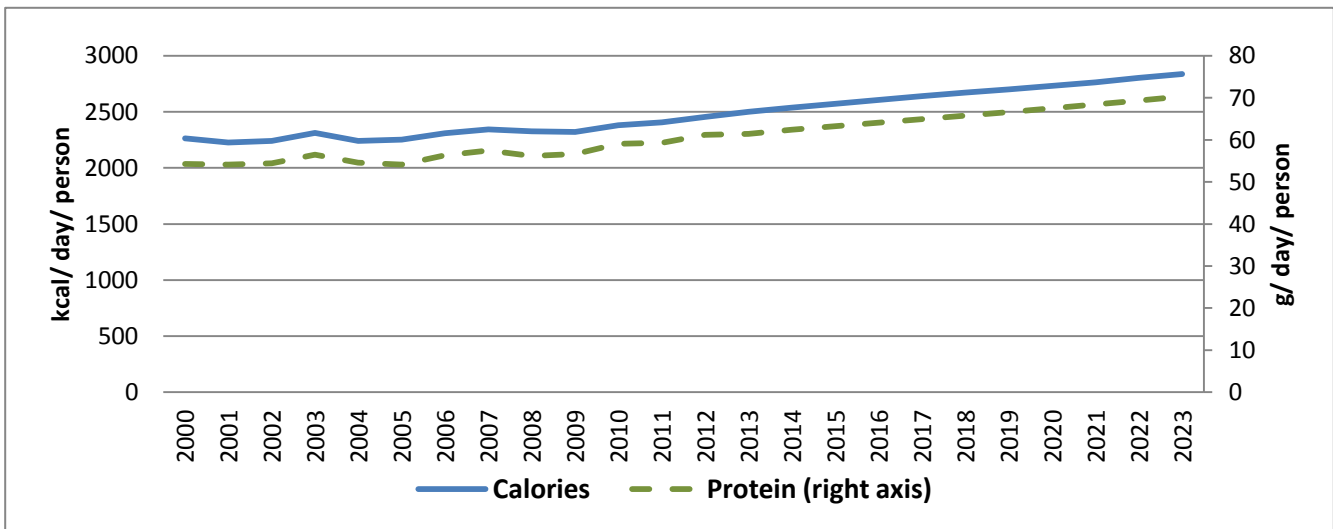
Market Margins of 15% are added to MSP. The world reference price for wheat is US Gulf HRW, and for rice is Vietnam 5%.

Chart 12 (d): Projected Per capita Consumption of Cereals in India



Source: OECD- FAO Agriculture Outlook (2014-2023)

Chart 12 (e): Projected Calorie and Protein Consumption in India



Source: OECD- FAO Agriculture Outlook (2014-2023)

13.

IMPORTS & EXPORTS
OF PRINCIPAL
AGRICULTURAL
COMMODITIES

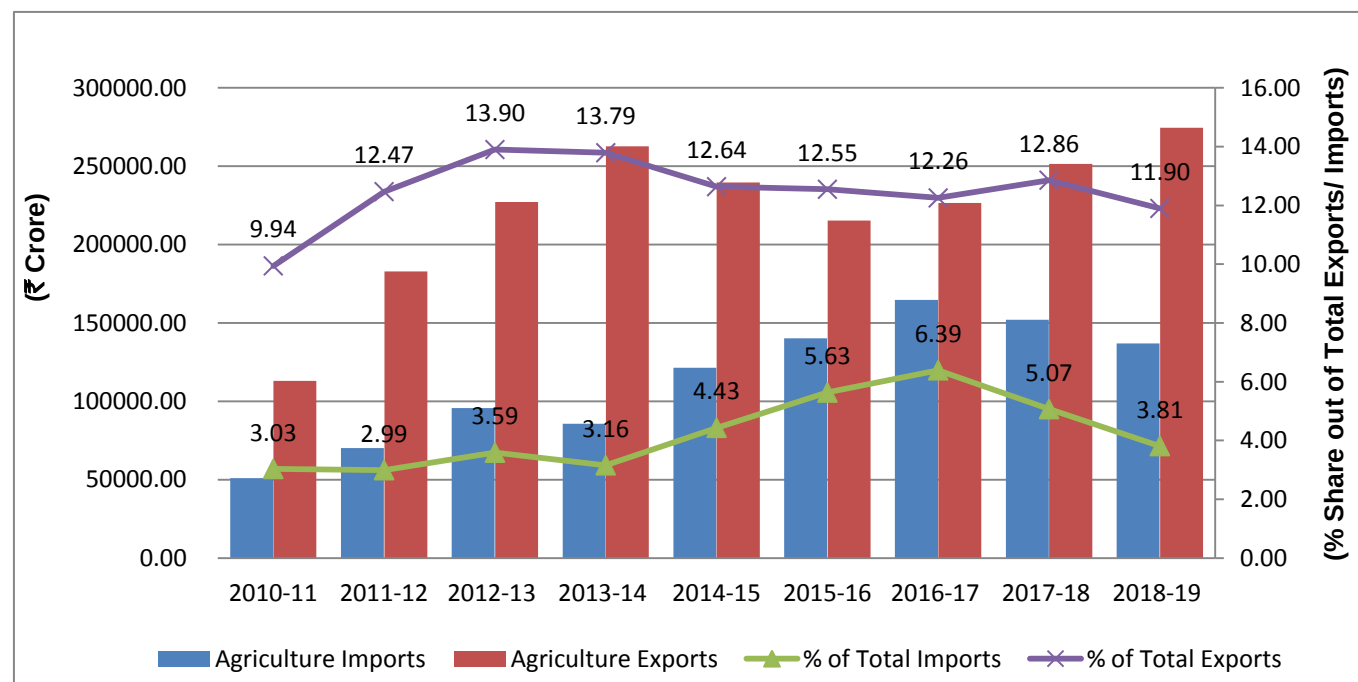
Table 13.1: Year-wise Imports and Exports of Principal Agricultural Commodities

(Value in ₹ crore)						
Year	Agricultural Imports	Total Imports	Share of Agricultural Imports in Total Imports (%)	Agricultural Exports	Total Exports	Share of Agricultural Exports in Total Exports (%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1990-91	1205.86	43170.82	2.79	6012.76	32527.28	18.49
2000-01	12086.23	228306.64	5.29	28657.37	201356.45	14.23
2010-11	51073.97	1683466.96	3.03	113046.58	1136964.22	9.94
2011-12	70164.51	2345463.24	2.99	182801.00	1465959.31	12.47
2012-13	95718.89	2669161.96	3.59	227192.61	1634318.29	13.90
2013-14	85727.30	2715433.91	3.16	262778.54	1905011.00	13.79
2014-15	121319.02	2737086.58	4.43	239681.04	1896445.47	12.64
2015-16	140289.22	2490305.54	5.63	215396.32	1716384.40	12.55
2016-17	164726.83	2577675.37	6.39	226651.91	1849433.55	12.26
2017-18	152095.20	3001028.79	5.07	251563.94	1956514.53	12.86
2018-19 (P)	137019.46	3594674.61	3.81	274571.28	2307726.19	11.90

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

(P) - Provisional

Chart 13 (a): Trends in Agricultural Exports and Imports



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

Table 13.2: India's Imports of Principal Agricultural Commodities

(Quantity: '000 tonnes)

(Value in ₹ crore)

Commodity	2016-17		2017-18		2018-19 (P)	
	Quantity	Value	Quantity	Value	Quantity	Value
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Tea	24.89	338.35	24.94	356.99	28.85	417.96
Coffee	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
Rice (other than Basmati)	1.14	7.25	2.12	12.18	6.87	32.14
Wheat	5749.43	8509.05	1649.73	2357.84	2.75	5.44
Other cereals	311.37	493.18	265.13	433.90	244.32	471.28
Pulses	6609.49	28523.18	5607.53	18748.57	2527.88	8035.30
Tobacco unmanufactured	1.97	77.21	1.54	69.47	2.60	102.89
Tobacco manufactured	-	228.54	-	185.92	-	257.52
Spices	242.29	5760.25	222.33	6385.26	240.56	7932.70
Cashew	774.51	9027.09	654.02	9134.33	839.64	11162.32
Cashew nut shell liquid	1.69	3.67	2.09	5.66	6.61	21.05
Sesame seeds	69.03	442.15	26.27	176.77	87.54	875.17
Niger seeds	10.66	82.82	5.33	29.00	8.66	40.62
Groundnut	0.33	1.39	1.72	13.04	1.09	8.14
Other oil seeds	116.64	392.36	127.35	364.59	220.48	745.35
Vegetable oils	14007.39	73038.98	15361.02	74995.91	15019.30	69023.79
Oil meals	550.43	974.59	485.96	746.67	504.00	869.56
Guargam meal	0.18	2.41	0.43	3.30	0.72	5.90
Castor oil	0.11	1.50	0.04	2.54	0.22	5.32
Shellac	0.46	13.43	0.00	18.38	0.64	19.35
Sugar	2146.15	6868.61	6.87	6035.84	1490.61	3175.39
Mollases	13.84	9.04	0.01	69.29	4.47	1.38
Fruits / vegetable seeds	14.07	653.33	0.00	768.26	19.73	835.81
Fresh fruits	1057.51	11290.62	11.29	12524.55	1124.18	13931.65
Fresh vegetables	8.55	11.12	0.01	25.64	14.75	24.22
Processed vegetables	13.32	115.26	0.00	134.83	18.10	161.83
Processed fruits and juices	42.99	548.10	0.00	803.81	59.12	909.34
Cereal preparations	66.46	579.03	0.58	659.68	90.58	971.36
Cocoa products	63.61	1542.28	0.00	1473.10	87.60	1845.89
Milled products	3.56	16.22	0.00	13.02	4.18	15.60
Misc processed items	-	2115.82	-	2249.73	-	2560.20
Animal casings	0.00	0.00	0.00	0.00	0.00	0.00
Buffalo meat	0.00	0.00	0.00	0.00	0.00	0.00
Sheep/goat meat	0.13	8.50	0.01	13.36	0.12	10.83
Other meat	0.59	19.03	0.02	27.80	0.88	30.65
Processed meat	0.13	4.47	0.00	3.22	0.12	4.14
Dairy products	16.91	254.84	0.00	312.59	13.64	254.12
Poultry products	-	29.46	-	26.87	-	41.80
Floriculture products	5.57	133.81	0.00	136.46	6.37	174.09
Alcoholic beverages	-	3590.33	-	3876.14	-	4678.72
Marine products	52.02	633.39	44.71	793.30	56.93	1088.13
Ayush and herbal products	11.36	358.87	13.64	392.72	20.14	510.23
Jute, raw	138.84	704.13	68.14	289.02	57.25	235.86
Jute hessian	-	57.45	-	122.38	-	184.40
Cotton raw incld. Waste	499.62	6338.92	469.13	6306.77	299.27	4383.40
Total Agricultural Imports	-	164726.83	-	152095.20	-	137019.46
Total National Imports	-	2577675.37	-	3001028.79	-	3594674.61
% Share of Agricultural Imports in National Imports	-	6.39	-	5.07	-	3.81

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

(P) - Provisional

Table 13.3: India's Exports of Principal Agricultural Commodities

Commodity	(Quantity: '000 tonnes) (Value in ₹ crore)					
	2016-17		2017-18		2018-19 (P)	
	Quantity	Value	Quantity	Value	Quantity	Value
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Tea	243.43	4905.64	272.89	5396.65	270.31	5828.34
Coffee	288.61	5646.43	317.83	6245.36	282.84	5721.98
Rice -Basmati	3985.21	21512.91	4056.85	26870.67	4414.61	32804.30
Rice(other than Basmati)	6770.83	16929.88	8818.53	23437.23	7648.00	21171.17
Wheat	265.61	447.85	322.79	624.37	226.63	424.47
Other cereals	734.77	1425.77	864.24	1604.28	1257.24	2426.07
Pulses	136.72	1277.70	179.60	1469.63	287.13	1801.51
Tobacco unmanufactured	204.45	4249.85	185.36	3828.13	189.55	3984.53
Tobacco manufactured	-	2174.12	-	2193.58	-	2874.07
Spices	1014.45	19111.25	1096.32	20084.91	1133.89	23217.77
Cashew	91.79	5278.61	90.06	5945.28	78.22	4579.17
Cashew nut shell liquid	11.40	43.99	8.33	32.63	5.30	26.91
Sesame seeds	307.33	2695.84	336.85	2990.93	312.00	3761.62
Niger seeds	14.07	117.22	9.22	69.86	13.37	95.50
Groundnut	725.71	5444.33	504.04	3386.30	489.19	3297.32
Other oil seeds	193.27	846.58	295.10	1126.32	213.84	926.75
Vegetable oils	60.47	779.97	37.06	566.04	49.96	744.58
Oil meals	2632.26	5410.10	3570.78	7043.15	4493.29	10557.48
Guargam meal	419.95	3106.62	494.13	4169.56	513.22	4707.05
Castor oil	599.20	4521.51	697.09	6730.00	619.38	6170.12
Shellac	6.06	225.53	6.53	285.18	7.00	304.79
Sugar	2544.01	8659.54	1757.93	5225.60	3989.66	9523.14
Mollases	390.67	314.94	123.97	97.45	845.96	586.80
Fruits / vegetable seeds	11.29	522.75	14.47	670.91	17.53	866.31
Fresh fruits	817.06	4974.21	714.00	4913.28	823.09	5538.15
Fresh vegetables	3404.07	5790.71	2448.02	5297.72	3192.49	5679.10
Processed vegetables	192.86	1765.75	212.20	1823.36	228.97	2055.41
Processed fruits and juices	533.15	3921.08	573.28	4169.13	594.49	4481.25
Cereal preparations	339.95	3565.55	353.35	3561.69	347.81	3859.46
Cocoa products	25.65	1086.77	29.58	1144.35	27.61	1350.86
Milled products	255.80	813.54	270.40	876.62	307.42	1063.03
Misc processed items	-	3053.79	-	3548.95	-	4613.38
Animal casings	0.17	13.84	12.42	327.44	14.88	480.66
Buffalo meat	1323.58	26161.38	1350.25	26035.19	1233.38	25091.43
Sheep/goat meat	22.01	869.84	22.80	843.61	21.67	867.53
Other meat	0.01	0.21	0.45	7.00	0.85	13.73
Processed meat	0.14	4.58	0.27	9.89	0.41	13.92
Dairy products	90.35	1701.18	102.26	1954.63	180.69	3375.73
Poultry products	-	530.44	-	552.09	-	687.22
Floriculture products	22.02	546.71	20.70	507.32	19.69	571.43
Alcoholic beverages	-	2004.79	-	2105.78	-	2103.97
Marine products	1185.27	39593.78	1432.46	47646.41	1672.39	47664.94
Ayush and herbal products	83.36	2693.57	89.10	2940.06	108.05	3127.26
Jute, raw	18.18	76.63	27.20	95.43	25.65	107.74
Jute hessian	-	927.32	-	909.94	-	795.77
Cotton raw incld. Waste	996.09	10907.32	1101.47	12200.05	1143.07	14627.55
Total Agricultural Exports	-	226651.91	-	251563.94	-	274571.28
Total National Exports	-	1849433.55	-	1956514.53	-	2307726.19
% Share of Agricultural Exports in National Exports	-	12.26	-	12.86	-	11.90

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

(P) - Provisional

Table 13.4: Leading Exporters and Importers of Agricultural Products in 2018

Country/Group	(Billion Dollars and Percentage)								
	Value	Share in world exports/imports				Annual percentage change			
	2018	2000	2005	2010	2018	2010-18	2016	2017	2018
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Exporters									
European Union (28)	681	42.0	44.4	39.5	37.4	3	2	8	6
Extra-EU (28) Exports	181	10.1	9.8	9.4	10.0	4	2	8	5
United States of America	172	13.0	9.8	10.5	9.5	2	1	3	1
Brazil	93	2.8	4.1	5.1	5.1	4	-4	14	6
China	83	3.0	3.4	3.8	4.5	6	3	2	9
Canada	69	6.3	4.9	3.8	3.8	4	-1	6	4
Indonesia	46	1.4	1.7	2.7	2.5	3	-2	26	-7
Thailand	44	2.2	2.1	2.6	2.4	3	1	18	0
India	39	1.1	1.2	1.7	2.2	7	-4	18	0
Australia	38	3.0	2.5	2.0	2.1	4	-6	24	-10
Mexico	35	1.7	1.5	1.4	1.9	8	8	12	6
Above 10	1301	76.5	75.6	73.1	71.5	-	-	-	-
Importers									
European Union (28)	688	42.8	45.4	40.3	37.2	3	2	8	6
Extra-EU (28) Imports	186	13.3	12.6	11.0	10.1	2	0	7	5
China	195	3.3	5.0	7.8	10.5	8	-3	17	8
United States of America	171	11.6	10.7	8.4	9.3	5	2	7	1
Japan	83	10.5	7.3	5.6	4.5	1	1	7	4
Canada (1)	40	2.6	2.4	2.3	2.2	3	-1	4	3
Korea, Republic of	39	2.2	1.9	1.9	2.1	5	-2	8	10
Russian Federation (1)	31	1.3	1.9	2.6	1.7	-2	-6	16	2
Mexico (1)	31	1.9	1.8	1.7	1.7	3	0	6	5
Hong Kong, China	30	...	...	...	...	5	3	2	4
Retained imports	19	1.1	0.8	1.0	1.0	4	2	-1	3
India	28	0.7	0.8	1.3	1.7	6	5	15	-15
Above 10	1325	77.9	78.0	72.8	71.8	-	-	-	-

Source: World Trade Statistical Review 2019, World Trade Organisation

Note: 'a' Imports are valued f.o.b.

14.

INTERNATIONAL COMPARISONS

Table 14.1: 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	313.61	2980.17	10.52	Third	China, U.S.A
Wheat	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

Table 14.2: Area, Production and Yield of Principal Crops in various Countries in 2017

Area - "000" Hectares Production - "000" Tonnes Yield - Kg./Hectare				
Country/Group	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..)

Country/Group	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 (in 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).

Table 14.3: Major Macro Economic Indicators of India, G-20 and World in 2018

Country/Group	Area (Sq. Km.)	Population (Million)	GDP, PPP (Constant 2011 International \$)- in Billion	GDP per capita, PPP (Constant 2011 International \$)	Agriculture, Forestry, and Fishing- Value Added (% of GDP)	Employment in Agriculture (% of Total Employment)*	Inflation, Consumer Prices (Annual %)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Argentina	2780400	44	813.73	18288.24	6.10	0.06	NA
Australia	7741220	25	1134.10	45377.76	2.46	2.57	1.91
Brazil	8515770	209	2991.79	14282.72	4.36	9.39	3.66
Canada	9984670	37	1633.48	44078.07	NA	1.50	2.27
China	9562910	1393	22536.85	16181.78	7.19	26.77	2.07
France	549087	67	2649.72	39555.54	1.62	2.60	1.85
Germany	357580	83	3809.39	45936.18	0.77	1.27	1.73
India	3287259	1353	9317.08	6888.19	14.60	43.86	4.86
Indonesia	1913580	268	3106.46	11605.86	12.81	30.53	3.20
Italy	301340	60	2165.16	35828.49	1.94	3.75	1.14
Japan	377970	127	4971.80	39293.69	NA	3.41	0.98
Mexico	1964375	126	2288.31	18133.70	3.39	12.99	4.90
Russian Federation	17098250	144	3763.17	NA	3.15	5.84	2.88
Saudi Arabia	2149690	34	1654.69	49100.66	2.22	4.87	2.47
South Africa	1219090	58	701.72	12144.69	2.18	5.16	4.50
Republic of Korea	100339	52	1898.96	36776.52	1.98	4.73	1.48
Turkey	785350	82	2087.44	25357.72	5.82	19.20	16.33
United Kingdom	243610	66	2694.28	40522.25	0.63	1.15	2.29
United States of America	9831510	327	18229.48	55719.12	NA	1.42	2.44
European Union	4384318	513	19582.00	38155.67	1.51	4.15	1.78
World	132025199	7594	120855.62	15914.05	NA	28.26	2.41

Source: World Development Indicators, World Bank

* Modeled ILO Estimates

Table 14.4: Major Economic, Social and Land Use Indicators of BRICS Countries in 2017

Indicator	Brazil	Russia	India	China	South Africa
(1)	(2)	(3)	(4)	(5)	(6)
Macro-Economic Indicators					
Total Population (Million)	209.47	144.48	1352.62	1392.73	57.78
Urban Population (% of Total)	86.31	74.29	33.60	57.96	65.85
Share in World Exports (%)	1.20	2.00	1.70	12.80	0.50
GDP in PPP (US \$ Billion)- current international \$	3255.14	3783.63	9596.84	23266.77	765.99
GDP (US \$ Billion)	2053.59	1578.62	2652.24	12143.49	349.55
Per Capita GDP (US \$)	9880.95	10750.59	1981.27	8759.04	6132.48
Land Use Indicators					
Land Area (Million ha)	835.81	1637.69	297.32	938.82	121.31
Arable Land Area (Million Ha)	55.38	121.65	156.46	118.90	12.00
Land Area Equipped for Irrigation (Million Ha)	6.96	4.30	70.40	73.30	1.67
Land Area Equipped for Irrigation (% of arable land)	12.56	3.53	44.99	61.65	13.92
Area Harvested for Cereals (Million Ha)	22.65	44.25	99.17	102.51	3.34
Production of Cereals (Million Tonnes)	117.98	131.30	313.64	617.93	18.86
Major Health Indicators					
Health expenditure per capita (current US\$)*	1015.93	469.13	62.72	398.33	428.18
Health expenditure, public (% of GDP)*	3.91	3.00	0.93	2.89	4.36
Health expenditure, total (% of GDP)*	11.77	5.27	3.66	4.98	8.11
Life expectancy at birth, total (years)	75.46	72.12	69.17	76.47	63.54
Mortality rate, infant (per 1,000 live births)	13.20	6.50	31.50	7.90	29.60
Labor and Social Protection Indicators					
Age dependency ratio, young (% of working-age population)	31.11	25.89	41.30	25.01	44.42
Birth rate, crude (per 1,000 people)	14.13	12.90	18.08	12.43	20.91
Population growth (annual %)	0.81	0.11	1.06	0.56	1.41
Labor participation rate, total (% of total population ages 15+)	64.10	62.41	52.05**	69.21	55.59
Unemployment, total (% of total labor force)	12.83	5.21	2.56**	4.40**	27.33

Source:

1. World Development Indicators, World Bank

2. World Trade Statistical Review, WTO

3. FAO Statistics, FAO

* Figures are for 2016, **Modeled ILO Estimates

NA: Not Available

Table 14.5: Major Economic and Land Use Indicators : India and China

Indicator	India			China		
	2016	2017	2018	2016	2017	2018
(1)	(2)	(3)	(4)	(5)	(6)	(7)
GDP Growth (annual %)	8.17	7.17	6.81	6.74	6.76	6.57
Population growth (annual %)	1.09	1.06	1.04	0.54	0.56	0.46
Arable land (% of land area)	52.62	52.62	NA	12.68	12.68	NA
Agricultural area ('000 Hectare)	179721.00	179721.00	NA	528532.00	528531.10	NA
Agricultural area (% of land area)	60.45	60.45	NA	56.08	56.08	NA
Land area equipped for irrigation (% of total agricultural land)	39.17	39.17	NA	13.76	13.89	NA
Agriculture, value added (% of GDP)	16.25	15.62	14.60	8.13	7.57	7.19
Total Agricultural Emissions (CO2 equivalent) in gigagrams	634114.53	639416.22	NA	691256.14	678469.11	NA
Fertilizer Consumption (kilograms per hectare of arable land and land under permanent crops)	153.10	156.90	NA	361.60	344.60	NA
Inflation, Consumer Prices (annual %)	4.94	2.49	4.86	2.00	1.59	2.07
Area Harvested (Million Hectares)	Wheat	30.42	30.79	29.58	24.70	24.27
	Rice (Paddy)	43.19	43.79	44.5*	31.02	30.75
	Maize	9.90	9.22	9.2*	44.21	42.40
	Soybean	11.50	10.47	11.4*	7.09	7.35
Production (Million Tonnes)	Wheat	92.29	98.51	99.70	133.28	134.33
	Rice (Paddy)	163.70	168.50	172.58	212.68	212.68
	Maize	25.90	28.75	27.82	263.78	259.07
	Soybean	13.16	10.93	13.79	12.79	13.13

Source: FAO Statistics, FAO and World Development Indicators, World Bank

NA: Not Available *- Unofficial figure

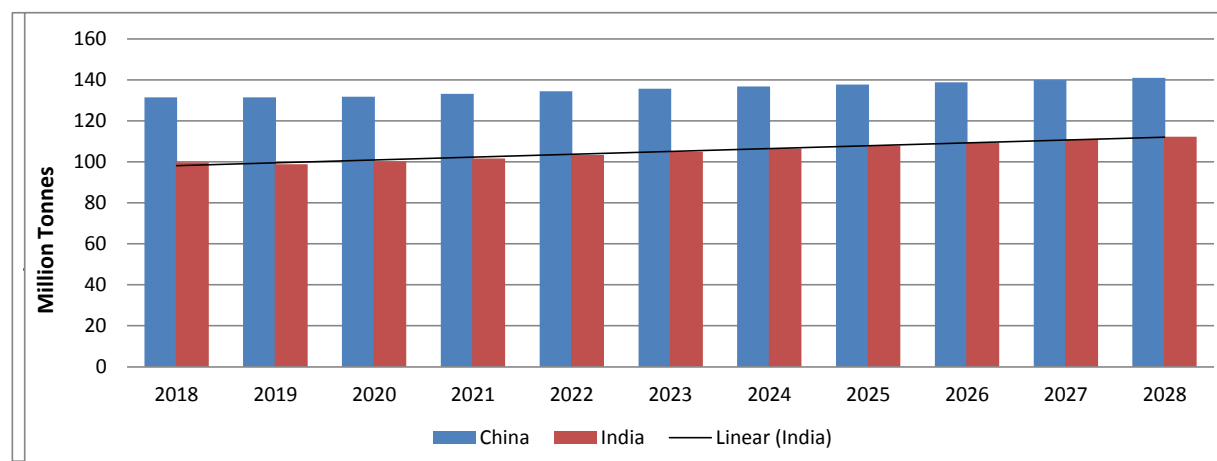
Table 14.6: Inflation (Consumer Prices) in Major Economies (Annual %)

Country/Group	2011	2012	2013	2014	2015	2016	2017	2018
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Australia	3.3	1.8	2.4	2.5	1.5	1.3	1.9	1.9
Brazil	6.6	5.4	6.2	6.3	9.0	8.7	3.4	3.7
Canada	2.9	1.5	0.9	1.9	1.1	1.4	1.6	2.3
China	5.6	2.6	2.6	1.9	1.4	2.0	1.6	2.1
Euro area	3.3	2.5	1.4	0.2	0.0	0.2	1.4	1.7
Germany	2.1	2.0	1.5	0.9	0.2	0.5	1.5	1.7
European Union	3.3	2.7	1.4	0.2	-0.1	0.2	1.5	1.8
Italy	2.8	3.0	1.2	0.2	0.0	-0.1	1.2	1.1
India	8.9	9.3	10.9	6.4	4.9	4.9	2.5	4.9
Indonesia	5.4	4.3	6.4	6.4	6.4	3.5	3.8	3.2
Hong Kong SAR, China	5.3	4.1	4.3	4.4	3.0	2.4	1.5	2.4
Japan	-0.3	-0.1	0.3	2.8	0.8	-0.1	0.5	1.0
Mexico	3.4	4.1	3.8	4.0	2.7	2.8	6.0	4.9
OECD members	3.3	2.5	1.4	0.6	0.2	0.4	1.8	1.9
Russian Federation	8.4	5.1	6.8	7.8	15.5	7.0	3.7	2.9
Singapore	5.2	4.6	2.4	1.0	-0.5	-0.5	0.6	0.4
South Asia	9.7	9.4	7.6	6.8	4.2	4.3	4.0	4.1
South Africa	5.0	5.7	5.8	6.1	4.5	6.6	5.2	4.5
Switzerland	0.2	-0.7	-0.2	0.0	-1.1	-0.4	0.5	0.9
United Kingdom	4.5	2.8	2.6	1.5	0.1	1.0	2.6	2.3
United States	3.2	2.1	1.5	1.6	0.1	1.3	2.1	2.4
World	4.8	3.7	2.6	2.4	1.4	1.4	2.2	2.4

Source: World Development Indicators, World Bank

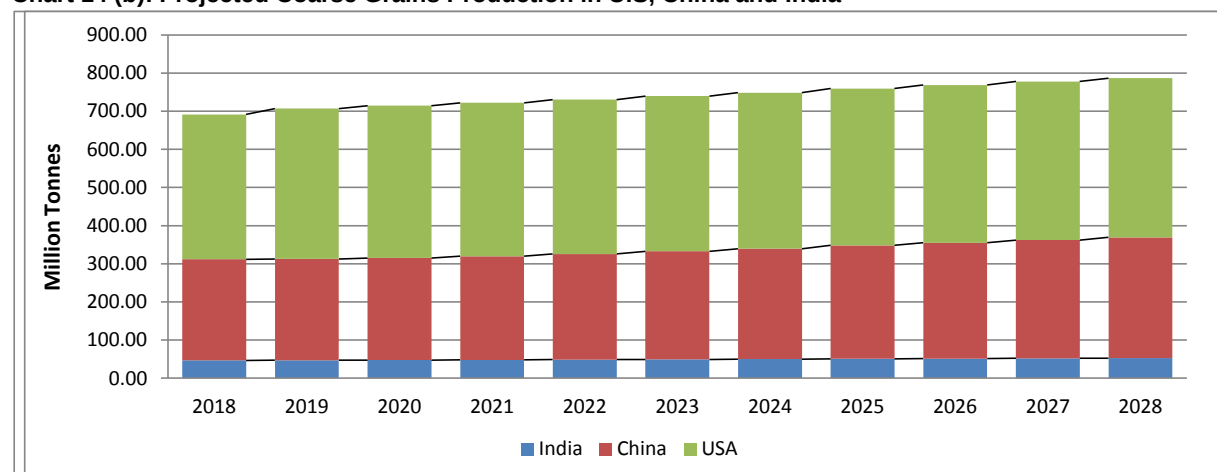
NA: Not Available

Chart 14(a): Projected Wheat Production in China and India



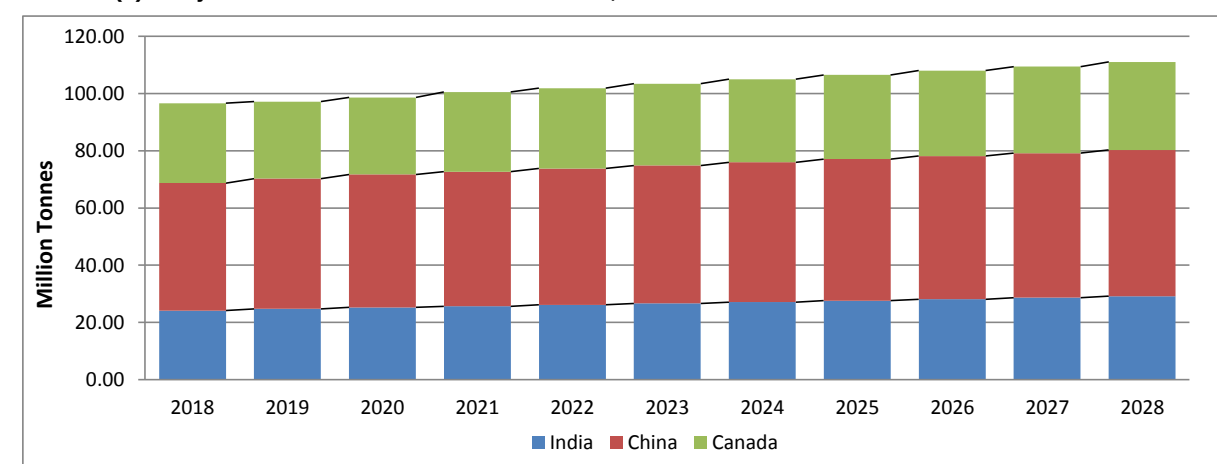
Source: OECD- FAO Agriculture Outlook 2019-28

Chart 14 (b): Projected Coarse Grains Production in U.S, China and India



Source: OECD- FAO Agriculture Outlook 2019-28

Chart 14 (c): Projected Oilseeds Production in China, India and Canada



Source: OECD- FAO Agriculture Outlook 2019-28

Note: Oilseeds include Soybeans, sunflower seeds , groundnuts and rapeseed (canola). Year beginning 1st August

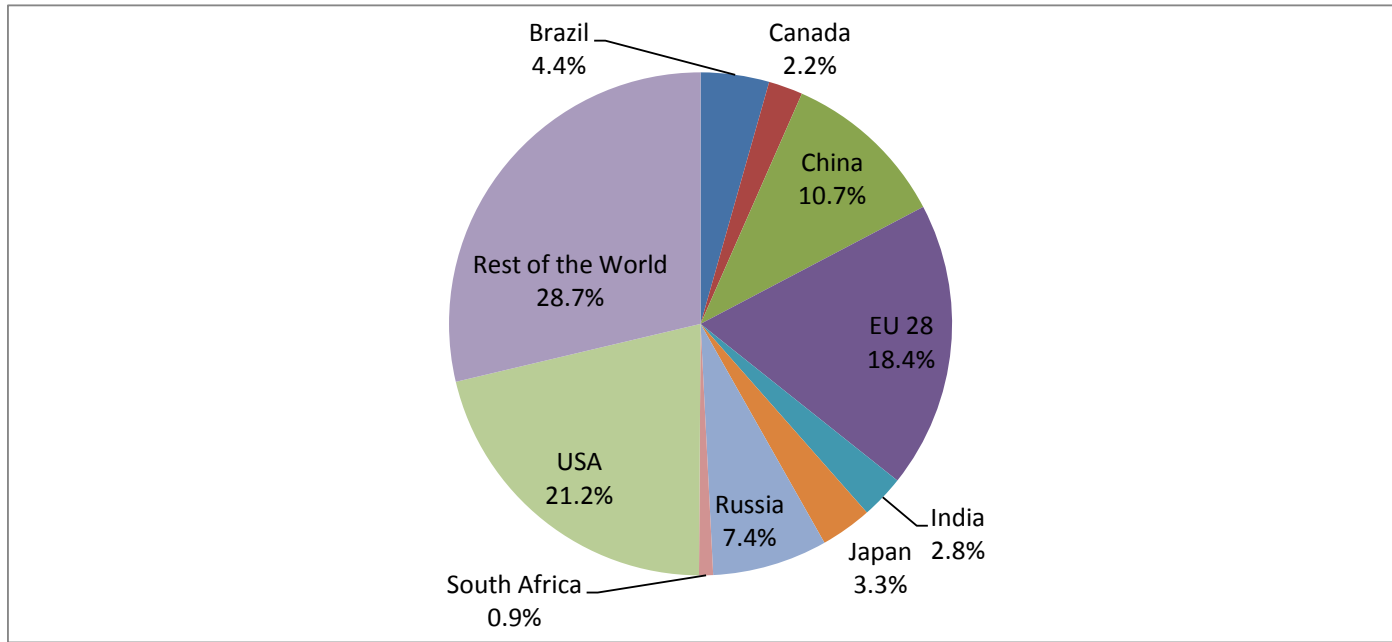
15. GLOBAL EMISSIONS

Table 15.1: CO₂ Emissions in major Countries (metric tonnes per capita)

Country/Group	2011	2012	2013	2014
(1)	(2)	(3)	(4)	(5)
World	4.98	5.01	5.00	4.98
OECD members	9.99	9.78	9.71	9.55
United States of America	16.98	16.31	16.32	16.50
Australia	17.54	17.07	16.10	15.39
Canada	15.64	14.91	14.74	15.16
Russian Federation	12.33	12.78	12.39	11.86
Korea, Republic	11.80	11.63	11.75	11.57
Japan	9.32	9.64	9.78	9.54
South Africa	9.05	8.87	8.69	8.98
Germany	9.12	9.20	9.39	8.89
Iran, Islamic Rep.	7.89	8.10	8.10	8.38
China	7.24	7.42	7.56	7.54
United Kingdom	7.08	7.36	7.15	6.50
Italy	6.70	6.21	5.73	5.27
Argentina	4.64	4.61	4.50	4.78
France	5.08	5.08	5.06	4.57
Brazil	2.22	2.36	2.51	2.61
Indonesia	2.46	2.56	1.95	1.82
India	1.47	1.59	1.59	1.73

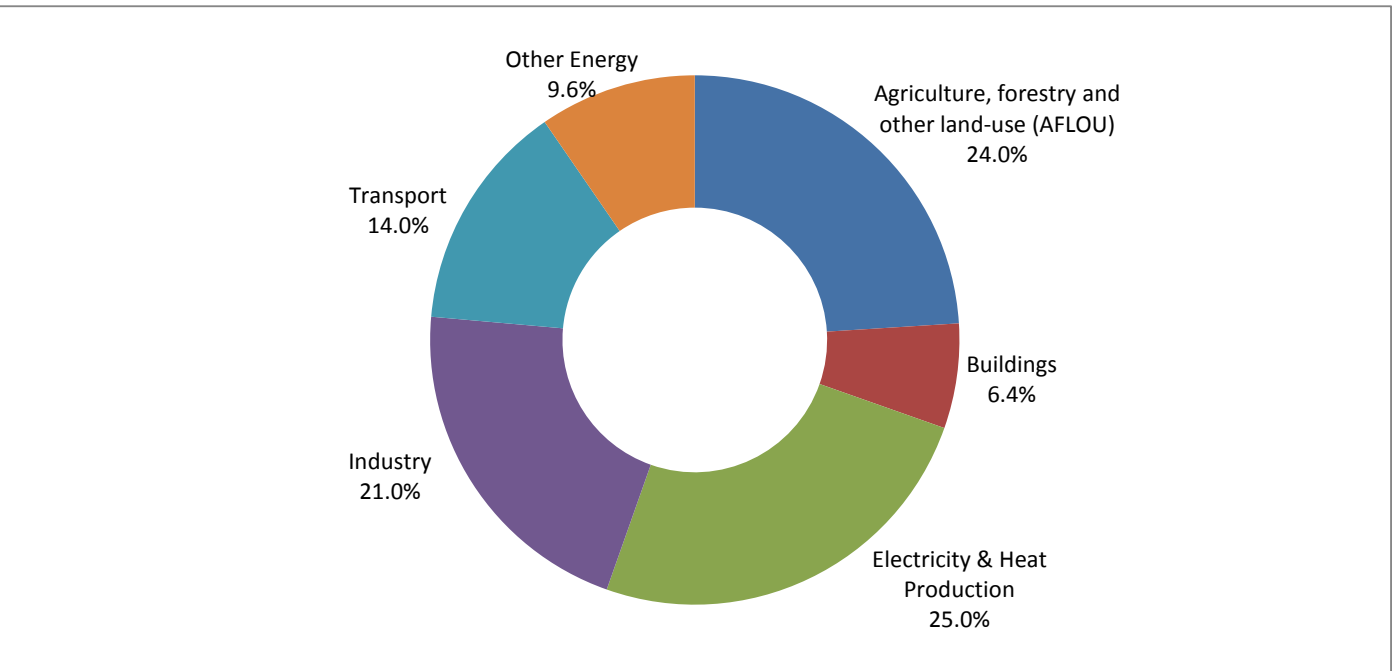
Source: World Development Indicators, World Bank

Chart 15 (a): Contribution by different Countries to cumulative Global CO₂ (1850-2011)



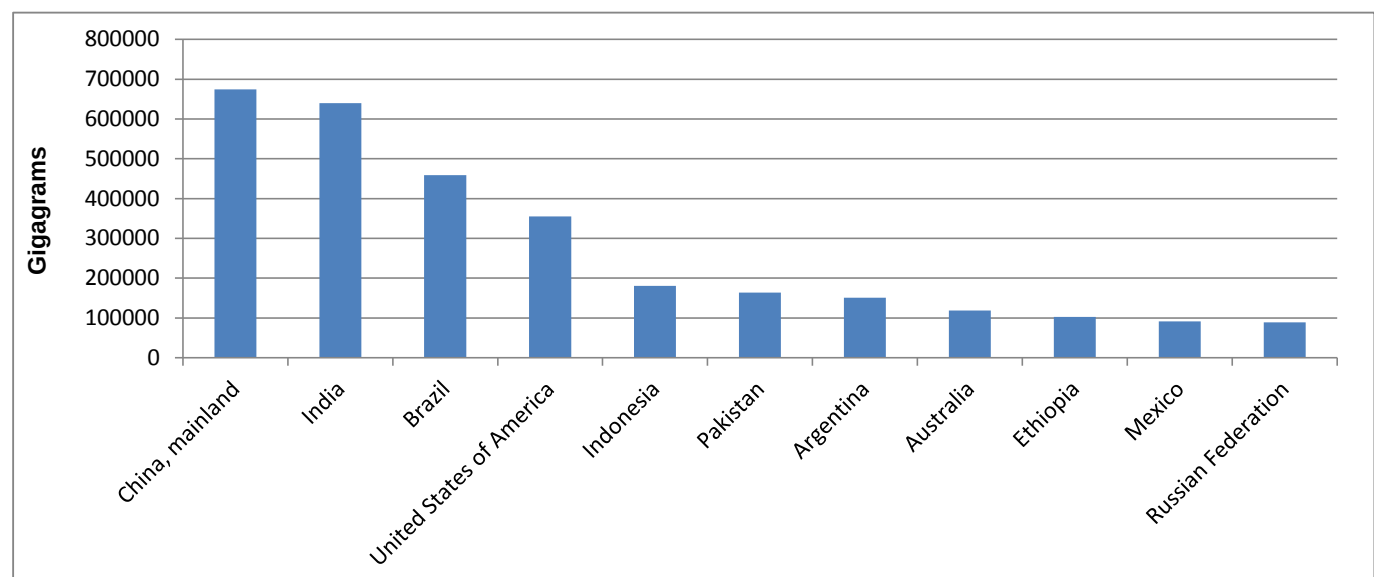
Source : Economic Survey 2014-15, Ministry of Finance

Chart 15 (b): Global GHG Emissions from different sectors in 2010



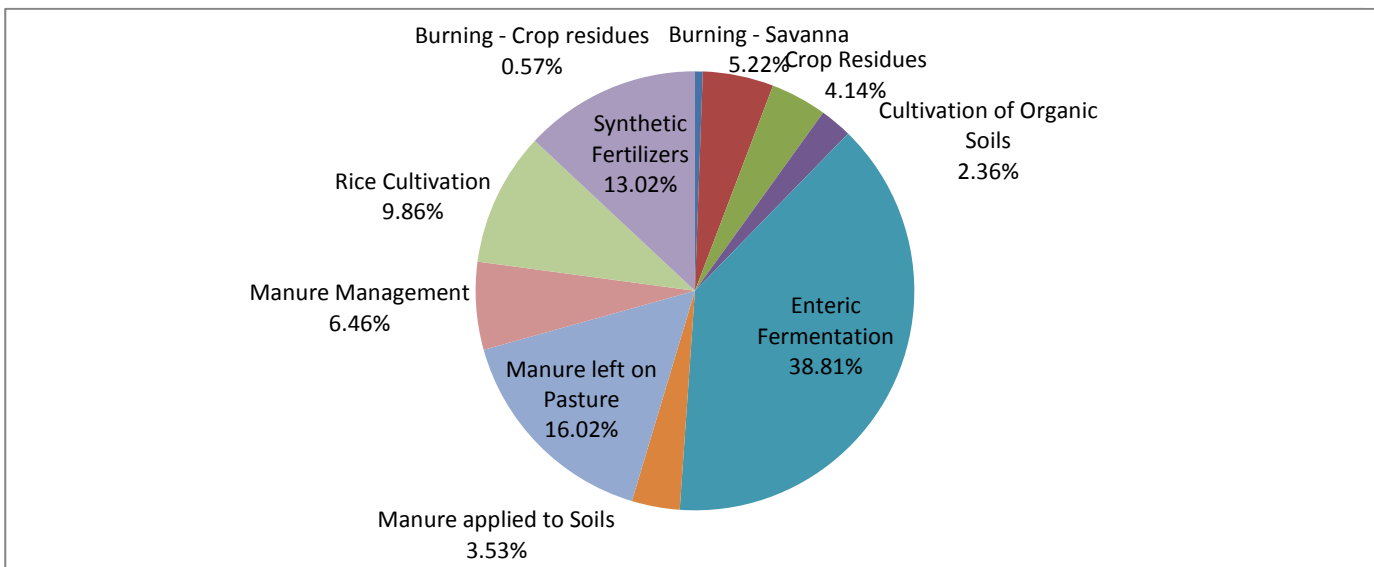
Source: Economic Survey 2014-15, Ministry of Finance

Chart 15 (c): Total Agricultural Emissions (CO₂ equivalent) in major countries in 2017



Source : FAOSTAT (as on 31-01-2020)

Chart 15 (d): Source-wise total GHG Emissions from Agriculture sector in 2017



Source : FAOSTAT (as on 31-01-2020)

APPENDICES

A.1: Explanatory Notes

Advance Estimates

The estimates of area, production and yield rates for 2018-19 are “Fourth Advance Estimates” as on 19.08.2019 and are based on data received from 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.

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

The index numbers of area, production and yield rate 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.

Total Oilseeds

Total oilseeds include cottonseed and coconut besides nine oilseeds mentioned in the above paragraph.

Net Availability of Foodgrains

The Net availability of foodgrains is defined as, where

$$\text{NAF} = \text{GP} - \text{SFW} - e + i + s$$

NAF = Net availability of Foodgrains

GP = Gross Production of Foodgrains

SFW = Seed, feed and wastages of Foodgrains

e = Exports of Foodgrains

i = Imports of Foodgrains

s = Change in Stocks of Foodgrains

To work out per capita net availability of foodgrains in terms of kg. per year, NAF is divided by the estimated population for a particular year. When this is further divided by the number of days in a year i.e. 365 days, it gives net availability of foodgrains per day.

A.2 : 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
Jute	
100 Yards of Hessian	54 lbs. of Raw Jute
4148 Yards of Hessian	1 Ton of Raw Jute
1 Ton of Sacking	5.55 Bales of Raw Jute (of 180 Kgs. Each)
1 Ton of Hessian	1.11 Tons of Raw Jute
Sacking etc.	6.17 Bales of Raw Jute (of 180 Kgs. Each)
	1.05 Tons of Raw Jute
	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

(Contd.)

Commodity	Conversion Factor
(1)	(2)
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) from standard Gur Refined	46 Percent
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.

A.3 : Seed Rate of Sowing for Important Field Crops

(Kg/ ha)		
Crop (1)	Variety Seed Rate (2)	Hybrid Seed Rate (3)
Cereals		
Rice	35-40	12-15 for normal planting 5 under System of Rice Intensification (SRI) planting
Wheat	100	
Sorghum	Grain Rabi 8-10; Grain Kharif-10	7.5
Pearl Millet	4-5	42494.00
Maize	18-20	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	
Mungbean	Kharif-20, Rabi 25-30, Summer 30-35	
Urdbean	Kharif-20, Rabi 25-30, Summer 30-35	
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..)

Crop (1)	Variety Seed Rate (2)	Hybrid Seed Rate (3)
Forage crops		
Sorghum	25 in small seeded varieties; 40 in bold seeded varieties	
Maize	30	
Guar	20	
Pearl Millet	20	
Oats	70	
Berseem	20-25	
Gobhi Sarson	4	
Lucerne	15	
Fibre Crops		
Cotton	10-12	Bt. Cotton - 2.25 Non-Bt. Cotton 10
Jute	5 (olitorius), 7 (capsularis)	
Sunhemp	25	
Mesta	12	
Sugar Crops		
Sugarcane	60 qtls. (40,000 setts of 3 buds in sub tropics) (20,000-25000 sets of 3 buds in tropics)	-

Source:- Indian Council of Agricultural Research (ICAR)

A.4: Rainfall Position in India during 2019

1) Rainfall during 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.

A.5 : Major Economic Groups/ Institutions

Group/ Institution (1)	Member Countries (2)
Association of Southeast Asian Nations (ASEAN)	Brunei Darussalam, Cambodia, Indonesia, Lao PDR, Malaysia, Philippines, Singapore, Thailand, Vietnam
BASIC Countries	Brazil, South Africa, India and China
Bay of Bengal Initiative for Multi-Sectoral Technical and Economic Cooperation (BIMSTEC)	Bangladesh, India, Myanmar, Sri Lanka, Thailand, Bhutan, and Nepal
BRICS Economies	Brazil, Russian Federation, India, China, South Africa
Group of Four (G-4)	Brazil, Germany, India, and Japan
Group of Eight (G-8)	Canada, France, Germany, Italy, Japan, Russia, United Kingdom, USA, European Union*
Group of Twenty (G-20)	Australia, Brazil, Canada, France, Germany, India, Indonesia, Italy, Japan, Mexico, Russian Federation, South Africa, Turkey, United Kingdom, United States, Argentina, China, South Korea, European Union, Saudi Arabia
South Asian Association for Regional Cooperation (SAARC)	Afghanistan, Bangladesh, Bhutan, India, Maldives, Nepal, Pakistan, Sri Lanka

* EU is represented within the G8 but cannot host or chair summits

Note: Since 2014, the G8 effectively comprises seven nations and the European Union as the eighth member.

Copyright © 2020 Directorate of Economics & Statistics, Government of India



Government of India

Ministry of Agriculture & Farmers Welfare

Department of Agriculture, Cooperation & Farmers Welfare

Directorate of Economics & Statistics

New Delhi