



2018

Pocket Book of
**AGRICULTURAL
STATISTICS**



सत्यमेव जयते

POCKET BOOK OF

AGRICULTURAL

STATISTICS

2018

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

K.L. PRASAD

Senior Economic & Statistical Adviser



सत्यमेव जयते



अर्थ एवं सांख्यिकी निदेशालय
कृषि, सहकारिता एवं किसान कल्याण विभाग
कृषि एवं किसान कल्याण मंत्रालय

भारत सरकार

कृषि भवन, नई दिल्ली - 110001

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

Ministry of Agriculture & Farmers Welfare
Government of India

Krishi Bhawan, New Delhi-110001
Tele. : 011-23384036 Telefax : 23382016

E-mail : office.esa-agri@nic.in
klprasad@nic.in

PREFACE

Pocket Book of Agricultural Statistics, an abridged version of 'Agricultural Statistics at a Glance', serves as a quick reference guide for all essential data relating to agricultural sector. Its concise format and wide coverage of data makes it a much sought after publication of the Directorate.

This edition of Pocket Book takes forward our continuous endeavor to incorporate information on the emerging areas of concern relating to agriculture sector. This edition includes updated information on all the 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. This edition of Pocket Book has also been enriched with latest international statistics on agriculture sector, Back Series data of National Accounts Statistics with Base Year 2011-12 and result of latest Agriculture Census 2015-16 (Phase-I). 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 publication in record time.

Suggestions for improvement are most welcome.

(K.L. Prasad)

Date : 14th February 2019

New Delhi.

Team associated with the Publication

Chief Supervision

Shri P.C. Bodh

Adviser

Supervision

Ms. Swati Singla

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 (Grade A)

Support Staff

Shri Rinku

MTS



Contents

Acronyms		xi-xiv
Statistical Tables		
1	Socio-Economic Indicators	1
1.1	Selected Economic and Social Indicators	2
1.2	Gross Value Added (GVA) at basic prices by economic activity at current prices (2011-12 series)	8
1.3	GVA at basic prices by economic activity at constant (2011-12) prices	9
1.4	Sectoral share in GVA at current prices (2011-12 series)	10

1.5	Growth of GVA at constant (2011-12) prices	12
1.6	Back Series: Sectoral share in GVA at current prices (2011-12 series)	14
1.7	Back Series: Growth of GVA at constant (2011-12) prices	15
2	Outlay, Expenditure & Capital Formation	16
2.1	Outlay/ Expenditure on major Schemes implemented by Departments under Ministry of Agriculture & Farmers Welfare	17
2.2	Disaggregated Outlay/ Expenditure on Developmental Heads by Departments under Ministry of Agriculture & Farmers Welfare	22
2.3	Year-wise Outlay/ Expenditure by Departments under Ministry of Agriculture & Farmers Welfare	24
2.4	Gross Capital Formation (GCF) in Agriculture & Allied sector (Based on 2011-12 Series)	25
2.5	Share of GCF in GVA of Agriculture and Allied Sector (Based on 2011-12 Series)	25
3	Labour Force, Poverty and Unemployment	26
3.1	Population and Agricultural Workers	27
3.2	Population & Labour Force Projections	28
3.3	Population Below Poverty Line (Tendulkar Methodology)	29
3.4	All India Rural & Urban Unemployment Rates (2011-12)	31
4	Land Use Statistics & Rainfall Pattern	32
4.1	Agricultural Land by use in India	33
4.2	Distribution of Gross Cropped Area	36
4.3	Number and Area of Operational Holdings by Size Group	39
4.4	South-West Monsoon Rainfall (1 Jun- 30 Sep.)	40
5	Area, Production and Yield of Major Crops	41
5.1	Area, Production and Yield of Foodgrains in major producing States	42
5.2(a)	Year-wise Area under major crops	44
5.2(b)	Distribution of Area under major crops	45
5.3(a)	Year-wise Production of major crops	47
5.3(b)	Target and Achievement of Production of major crops	49
5.3(c)	Three largest producing States of major crops during 2017-18	50
5.3(d)	Production of Oilseeds & Oils and Net Availability of Edible Oils	53
5.4(a)	All India Crop-wise Yield	55
5.4(b)	State-wise Yield of Cereals, Pulses and Oilseeds	56

5.5(a)	Crop-wise coverage of Irrigated Area	60
5.5(b)	State-wise coverage of Irrigated Area under major crops during 2014-15	61
6	Horticulture Statistics	63
6.1	Area and Production of Horticulture crops – All India	64
6.2	All-India Area, Production and Yield of Potato and Onion	68
6.3	All-India Area, Production and Yield of Banana	68
6.4	Foodgrain and Horticulture Production in India	69
6.5(a)	Value of Output from Horticulture crops at constant (2011-12) prices	70
6.5(b)	Value of Output from Horticulture crops at current prices (2011-12 series)	70
7	Livestock Statistics	71
7.1	Livestock Population in India	72
7.2	All India Production of Milk, Eggs and Wool	73
7.3	Fish Production in India	73
8	Agricultural Inputs & Cost	74
8.1	Production and use of Agricultural Inputs in India	75
8.2	Crop-wise Requirement and Availability of Certified/ Quality Seeds	76
8.3	Crop-wise Requirement and Availability of Certified/ Quality of Hybrid Seeds	79
8.4	Consumption, Production and Import of Fertilisers in terms of Nutrients (N, P & K)	81
8.5	Zone-wise Consumption of Fertilisers in terms of Nutrients (N, P & K)	83
8.6(a)	State-wise Status of Soil Health Card Scheme Cycle-I (2015 to 2017)	84
8.6(b)	State-wise Status of Soil Health Card Scheme Cycle-II (2017 to 2018)	87
8.7	Consumption of Electricity for Agricultural Purposes	90
8.8	Year-wise Sales of Tractors and Power Tillers	91
8.9	Flow of Institutional Credit to Agriculture Sector	92
8.10	State-wise Agricultural Loan Disbursed in 2017-18	94
8.11	State-wise and Agency-wise KCCs - Cumulative cards issued and amount Outstanding as on 31 March 2018	97
8.12	State-wise progress under Pradhan Mantri Fasal Bima Yojana (PMFBY) - Cumulative upto Rabi 2017-18	99

8.13	State-wise progress under Restructured Weather Based Crop Insurance Scheme (RWBCIS) – Cumulative upto Rabi 2017-18	103
8.14	Crop-wise Area Insured under all Insurance Schemes	106
8.15	State-wise Crop Area Insured under all Insurance Schemes	107
8.16	State-wise Area covered under Micro Irrigation	109
8.17	State-wise Cold Storage capacity	110
8.18	Cost Estimate of Principal Crops- 2015-16	111
8.19	All India projected Cost of Production (A2 + FL) of major crops in India	116
8.20	All India Annual Average Daily Wage Rate of Field Labor	118
9	Prices & Procurement	119
9.1(a)	Wholesale Price Index of Foodgrains (Base: 2011-12=100)	120
9.1(b)	Wholesale Price Index of Commercial Crops (Base: 2011-12=100)	121
9.2	Consumer Price Index (Combined) of Food and Beverages (Base:2012=100)	123
9.3(a)	Index of Terms of Trade between Farmers and Non-Farmers	125
9.3(b)	Index of Terms of Trade between Agriculture and Non-Agricultural sectors	126
9.4	Minimum Support Prices of various Agricultural Commodities	127
9.5	State-wise Procurement of Rice and Wheat in major Rice and Wheat producing States	129
9.6(a)	Procurement of Pulses under Price Support Scheme (PSS)	131
9.6(b)	Procurement of Pulses (Domestic) under Price Stabilization Fund (PSF)	133
10	Per-Capita Availability & Consumer Expenditure	135
10.1	Per Capita Net Availability of Foodgrains (Per Annum) in India	136
10.2	Per Capita Availability of Certain Important Articles of Consumption	137
10.3	Trends in Consumer Expenditure since 2004-05 (percentage composition)	138
11	Key Indicators of Situation of Agricultural Households in India	139
11.1	Estimated Number of Rural Households, Agricultural Households and Indebted Agricultural Households	140
11.2	Indebtedness of Agricultural Households (all-India) in different size Classes of Land Possessed	142
11.3	Incidence of Indebtedness in major States	143

11.4	Incidence of Indebtedness based on size of land possessed	144
11.5	Average monthly expenses and receipts from crop production per agricultural household for major States during July 2012 – June 2013	146
11.6	Average monthly expenses and receipts from farming of animals per agricultural household for major States during July 2012 – June 2013	147
12	Agricultural Projections	148
12.1	Average Annual Growth Rate of Production of selected food commodities in India	149
12.2	Production, Consumption & Year-end Stocks Projections of major crops	150
12.3	Production Projections of Potatoes and Onion	150
13	Imports & Exports of Principal Agricultural Commodities	154
13.1	Year-wise Imports and Exports of Principal Agricultural Commodities	155
13.2	India's Imports of Principal Agricultural Commodities	157
13.3	India's Exports of Principal Agricultural Commodities	160
13.4	Leading Exporters and Importers of Agricultural Products in 2017	163
14	International Comparisons	165
14.1	India's Position in World Agriculture in 2016	166
14.2	Area, Production and Yield of Principal crops in various countries in 2016	169
14.3	Major Macro Economic Indicators of India, G-20 and World in 2017	172
14.4	Major Economic, Social and Land Use Indicators of BRICS Countries in 2016	174
14.5	Major Economic and Land Use Indicators: India and China	176
14.6	Inflation (Consumer Prices) in Major Economies (Annual %)	178
15	Global Emissions	180
15.1	CO2 Emissions per capita in major countries	181
Charts		
1 (a)	Sectoral share in GVA at current prices (2011-12 series)	11
1 (b)	Growth of GVA at constant (2011-12) prices	13
4 (a)	Agriculture Land by Use in India	35
4 (b)	Changes in Gross Cropped Area and Gross Irrigated Area	35
4 (c)	Distribution of Gross Cropped Area	38

5 (a)	Changes in share of Area under major crops	46
6 (a)	Foodgrain and Horticulture Production	69
8 (a)	Consumption, Production and Import of Fertilizers in India	82
8 (b)	Average Daily Wage Rate of Male & Female Field Labourers	118
9 (a)	Month-wise trend in Food Inflation based on WPI and CPI	124
9 (b)	Year-wise trend in Food Inflation based on WPI and CPI	124
11 (a)	Distribution of Agricultural Households over Social Groups	145
11 (b)	Distribution of Agricultural Households by Principal source of Income	145
12 (a)	Projected Production of Rice, Wheat and Nutri/Coarse Grains in India	151
12 (b)	Projected Production of Vegetables and Fruits in India	151
12 (c)	Projected Market Support Prices in India and World Prices for Rice and Wheat	152
12 (d)	Projected Per capita Consumption of Cereals in India	153
12 (e)	Projected Calorie and Protein Consumption in India	153
13 (a)	Trends in Agricultural Exports and Imports	156
14 (a)	Projected Wheat production in China and India	179
14 (b)	Projected Nutri/Coarse grains production in U.S, China and India	179
14 (c)	Projected Oilseeds production in China, India and Canada	179
15 (a)	Contribution by different countries to cumulative global CO ₂ (1850-2011)	182
15 (b)	Global GHG emissions from different sectors in 2010	182
15 (c)	Total Agricultural Emissions (CO ₂ equivalent) in major countries in 2016	183
15 (d)	Source-wise Total GHG Emissions from Agriculture Sector in 2016	183
Appendices		
A.1	Explanatory Notes	185
A.2	Conversion Factors between important Primary and Secondary Agricultural Commodities	187
A.3	General Seed Rate of Sowing for Important Field Crops	190
A.4	Rainfall Position in India during 2018	192
A.5	Major Economic Groups/ Institutions	194



ACRONYMS

AAV	Antyodaya Anna Yojana
AE	Advance Estimate
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
CDS	Current Daily Status
CES	Crop Estimation Surveys
CF	Capital Formation
CIF	Cost, Insurance & Freight
CIP	Central Issue Price
CO ₂	Carbon Dioxide
CPI	Consumer Price Index
CPI-IW	Consumer Price Index for Industrial Workers
CSO	Central Statistics Office
CWS	Current Weekly Status
CWWG	Crop Weather Watch Group
DAC&FW	Department of Agriculture, Cooperation & Farmers Welfare
DAHDF	Department of Animal Husbandry, Dairying & Fisheries
DAP	Di Ammonium Phosphate
DARE	Department of Agricultural Research and Education
DES	Directorate of Economics and Statistics
DMI	Directorate of Marketing & Inspection
DMS	Delhi Milk Scheme
E	Estimated
ENSURE	ElectroNic Submission of RETURNS
FAO	Food and Agriculture Organisation of United Nations
FAOSTAT	FAO Statistics
FAPRI	Food and Agricultural Policy Research Institute
FAQ	Fair Average Quality
FC	Final Consumption
FCI	Food Corporation of India
FDI	Foreign Direct Investment
FFB	Fresh Fruit Bunch
FL	Family Labour
FOD	Field Operations Division of NSSO
FYM	Farm Yard Manure
GCA	Gross Cropped Area
GCES	General Crop Estimation Survey
GCF	Gross Capital Formation
GDP	Gross Domestic Product
GHG	Green House Gases

GNP	Gross National Product
GSDP	Gross State Domestic Product
GVA	Gross Value Added
Ha	Hectares
HYV	High Yielding Varieties
I	Irrigated
IAS	Improvement of Agricultural Statistics
ICAR	Indian Council of Agricultural Research
ICOR	Incremental Capital Output Ratio
IEG	Institute of Economic Growth
IGC	International Grains Council
IIP	Index of Industrial Production
ILO	International Labour Organization
IMF	International Monetary Fund
ITT	Index of Terms of Trade
K	Potash
KCC	Kisan Credit Card
Kgs	Kilograms
KMPH	Kilometers Per Hour
KWH	Kilowatt Hour
LFPR	Labour Force Participation Rate
LS	Light Soil
LPCPD	Litres Per Capita Per Day
MNCFC	Mahalanobis National Crop Forecast Centre
MIDH	Mission for Integrated Development of Horticulture
MIS	Market Intervention Scheme
MoFPI	Ministry of Food Processing Industries
MSP	Minimum Support Price
MSR	Marketed Surplus Ratio
N	Nitrogen
NA	Not Available/Not Announced
NABARD	National Bank for Agriculture and Rural Development
NAFED	National Agricultural Co-operative Marketing Federation of India Limited
NC	Not Collected
NCAER	National Council of Applied Economic Research
NDDB	National Dairy Development Board
Neg.	Negligible
NHM	National Horticulture Mission
NNP	Net National Product
N,P&K	Nitrogen, Phosphate and Potash
NR	Not Recommended / Not Reported
NS	New Series Estimates
NSA	Net Sown Area
NSSO	National Sample Survey Organisation

NQ	Not Quoted
OECD	Organisation of Economic Cooperation and Development
OPDP	Oil Palm Development Programme
P	Provisional/ Phosphate
PACS	Primary Agricultural Credit Society
PDS	Public Distribution System
PLDB	Primary Land Development Bank
PM-AASHA	Pradhan Mantri – Annadata Aay Sanrakshan Abhiyan
PMKSY	Pradhan Mantri Krishi Sinchayee Yojana
PMFBY	Pradhan Mantri Fasal Bima Yojana
PSE	Producers Support Estimate
PSEs	Public Sector Enterprises
PSS	Price Support Scheme
QE	Quick Estimate
R	Revised
RBI	Reserve Bank of India
RGI	Registrar General of India
R&D	Research & Development
R&M	Rapeseed & Mustard
RMC	Regional Ministers Conference
RE	Revised Estimates
RRBB	Regional Rural Bank Branch
RWBICIS	Restructured Weather Based Crop Insurance Scheme
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
T	Target
T.E.	Triennium Ending
TPDS	Targeted Public Distribution System
UI	Un-Irrigated
UPS	Usual Principal Status
US	Usual Status
USD	US Dollar
USDA	United States Department of Agriculture
UT	Union Territory
WPI	Wholesale Price Index
WTO	World Trade Organisation
Y	Yield (Index Number of Yield) per hectare
YoY	Year on Year



1 SOCIO-ECONOMIC INDICATORS

Table: 1.1: Selected Economic and Social Indicators

Indicators	1950-51	1960-61	1970-71	1980-81	1990-91	2000-01	2010-11
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Macro-Economic Indicators							
Gross Domestic Product (GDP) ^a at current prices (₹ crore)	10036	17049	44382	136838	531814	2000743	7248860
GDP ^a at constant prices (₹ crore)	279618	410279	589787	798506	1347889	2348481	4918533
Per capita Income ^b at constant prices (₹)	7114	8889	10016	10712	14330	20418	36202
Rate of Gross Capital Formation to GDP at current prices ^c (percentage)	9.3	14.3	15.1	19.2	26.0	24.3	36.5
Rate of Gross Domestic Savings to GDP at current prices ^c (percentage)	9.5	11.6	14.3	17.8	22.9	23.7	33.7
Index of Agricultural Production ^d	46.2	68.8	85.9	102.1	148.4	165.7	121.0
Index of Industrial Production (IIP) ^e	7.9	15.6	28.1	43.1	91.6	162.6	165.5
Wholesale Price Index (WPI) ^e	6.8	7.9	14.3	36.8	73.7	155.7	143.3
Consumer Price Index for Industrial workers (CPI-IW) ^f	17	21.0	38.0	81.0	193.0	444.0	180.0

(Contd.)

Table: 1.1: (Contd.)

Indicators	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18
(1)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
Macro-Economic Indicators							
Gross Domestic Product (GDP) ^a at current prices (₹ crore)	8736329	9944013	11233522	12467959	13771874*	15362386 [#]	17095005 [@]
GDP ^a at constant prices (₹ crore)	8736329	9213017	9801370	10527674	11369493*	12298327 [#]	13179857 [@]
Per capita Income ^b at constant prices (₹)	63462	65538	68572	72805	77659*	82931 [#]	87623 [@]
Rate of Gross Capital Formation to GDP at current prices ^c (percentage)	39.0	38.7	33.8	33.5	32.1*	30.9 [#]	32.3 [@]
Rate of Gross Domestic Savings to GDP at current prices ^c (percentage)	34.6	33.9	32.1	32.2	31.1*	30.3 [#]	30.5 [@]
Index of Agricultural Production ^d	124.3	124.0	129.8	124.0	120.8	131.8	136.7**
Index of Industrial Production (IIP) ^e	170.3	103.3	106.7	111.0	114.7	120.0	125.3
Wholesale Price Index (WPI) ^e	156.1	106.9	112.5	113.9	109.7	111.6	114.9
Consumer Price Index for Industrial workers (CPI-IW) ^f	195.0	215.0	236.0	251.0	265.0	276.0	284.0

(Contd.)

Table: 1.1: (Contd.)

Indicators	1950-51	1960-61	1970-71	1980-81	1990-91	2000-01	2010-11
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Output							
Foodgrains Production (million tonnes)	50.8	82.0	108.4	129.6	176.4	196.8	244.5
Coal and Lignite Production (million tonnes)	32.3	55.2	76.3	119.0	225.5	332.6	570.4
Crude Oil Production (million tonnes)	0.3	0.5	6.8	10.5	33.0	32.4	37.7
Electricity Generated (utilities only) [billion KWH]	5.0	17.0	56.0	121.0	264.0	500.0	844.8
Foreign Trade							
Exports (₹ crore)	606	642	1535	6711	32553	203571	1136964
(US \$ million)	1269	1346	2031	8486	18143	44560.28	249815.5
Imports (₹ crore)	608	1122	1634	12549	43198	230873	1683467
(US \$ million)	1273	2353	2162	15869	24075	50536.44	369769
Foreign exchange reserves ⁹ [excluding gold, SDRs and Reverse Tranche Position at IMF] (₹ crore)	911	186	438	4822	4388	184482	1224883
(US \$ million)	1914	390	584	5850	2236	39554	274330

(Contd.)

Table: 1.1:(Contd.)

Indicators	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18
(1)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
Output							
Foodgrains Production (million tonnes)	259.3	257.1	265.0	252.0	251.6	275.1	284.8**
Coal and Lignite Production (million tonnes)	582.3	602.9	610.0	657.4	683.0	704.4	-
Crude Oil Production (million tonnes)	38.1	37.9	37.8	37.5	36.9	36.0	35.7
Electricity Generated (utilities only) [billion KWH]	922.5	964.5	1026.6	1105.1	1167.6	1236.4	-
Foreign Trade							
Exports (₹ crore)	1465959	1634318	1905011	1896445.5	1716378	1849434	1956515
(US \$ million)	305963.9	300400.6	314405	310338	262291.07	275852	303526
Imports (₹ crore)	2345463	2669162	2715434	2737087	2490298	2577675	3001033
(US \$ million)	489319	490737	450198	447964	381007	384356	465580
Foreign exchange reserves ⁹ [excluding gold, SDRs and Reverse Tranche Position at IMF] (₹ crore)	1330511	1412631	1660914	1985458	2219061	2244939	2597570
(US \$ million)	260069	259726	276359	295947	336104	346319	399442

(Contd.)

Table: 1.1:(Contd.)

Indicators (1)	1950-51 (2)	1960-61 (3)	1970-71 (4)	1980-81 (5)	1990-91 (6)	2000-01 (7)	2010-11 (8)
Social Indicators							
Population (Million) ^b	361.0	439.2	548.2	683.3	846.4	1028.7	1186.0
Birth Rate (per 1000) ^j	39.9	41.7	36.9	33.9	29.5	25.4	21.8 ^k
Death Rate (per 1000) ⁱ	27.4	22.8	14.9	12.5	9.8	8.4	7.1 ^k
Life Expectancy at Birth (in Years) ^j	32.1	41.3	45.6	50.4	58.7	62.5	67.0
(a) Male	32.5	41.9	46.4	50.9	58.6	61.6	65.4
(b) Female	31.7	40.6	44.7	50.0	59.0	63.3	68.8
Education: Literacy Rate (%) ^l	18.3	28.3	34.4	43.6	52.2	64.8	73.0
(a) Male	27.2	40.4	46.0	56.4	64.1	75.3	82.1
(b) Female	8.9	15.4	22.0	29.8	39.3	53.7	65.5

(Contd.)

Table: 1.1:(Contd.)

Indicators	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18
(1)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
Social Indicators							
Population (Million) ^h	1220.0	1235.0	1251.0	1267.0	1283.0	1299.0	1316.0
Birth Rate (per 1000) ^j	21.6 ^k	21.4 ^k	21.0 ^k	20.8	20.4	NA	NA
Death Rate (per 1000) ⁱ	7.0 ^k	7.0 ^k	6.7 ^k	6.5	6.4	NA	NA
Life Expectancy at Birth (in Years) ^j	67.5	67.9	68.3	NA	NA	NA	NA
(a) Male	65.8	66.4	66.9	NA	NA	NA	NA
(b) Female	69.3	69.6	70.0	NA	NA	NA	NA
Education: Literacy Rate (%) ^l	NA	NA	NA	NA	NA	NA	NA
(a) Male	NA	NA	NA	NA	NA	NA	NA
(b) Female	NA	NA	NA	NA	NA	NA	NA

Source: Registrar General of India, Department of Commerce, Ministry of Finance, Central Statistics Office and Reserve Bank of India.

*: 3rd Revised Estimates (New Series)

NK: Not Available

@: 1st Revised Estimates (New Series)

a: GDP figures prior to 2011-12 are at factor cost based on 2004-05 series. Figures 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 up to 2010-11 are percentages of GDP at market prices (2004-05 series) and from 2011-12 onwards are percentage of GDP at market prices (2011-12 series)

d: Base year for data till 2000-01 is Triennial Ending (T.E) 1981-82 and for data from 2001-01 onwards is T.E. 2007-08

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

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

g: As on end-March.

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

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

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

k: 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.

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

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

Table 1.2: Gross Value Added (GVA) at basic prices by economic activity at current prices (2011-12 series)

(₹ crore)

Sl.No.	Industry	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)
I	Agriculture, forestry and fishing	1501947	1675107	1926372	2093612	2227533	2496358	2670147	2755992
	Crops	982151	1088814	1248776	1292874	1327992	1476268	1546808	-
	Livestock	327334	368823	422733	510411	582410	672829	758417	-
	Forestry and logging	124436	137558	156674	173760	184411	192840	189348	-
	Fishing and aquaculture	68027	79911	98190	116567	132720	154421	175573	-
II	Industry	2635023	2923393	3190871	3448189	3766248	4092873	4529864	5146021
	Mining and quarrying	261035	285842	295794	308476	294011	321872	351058	418517
	Manufacturing	1409986	1572837	1713452	1878369	2146189	2335068	2542089	2856313
	Electricity, gas, water supply & other utility services	186668	215350	260155	282258	334965	353468	423089	488633
	Construction	777335	849365	921470	979086	991084	1082466	1213628	1382558
III	Services	3969975	4604192	5245910	5962479	6580718	7346686	8282704	9339141
	GVA at basic prices	8106946	9202692	10363153	11504279	12574499	13935917	15482715	17241154
	GDP at market prices	8736329	9944013	11233522	12467959	13771874	15362386	17095005	19053967

Source: Central Statistics Office (as per Press Release dated 31.01.2019 and 28.02.2019)

* : 3rd Revised Estimates (New Series) # : 2nd Revised Estimates (New Series)

@ : 1st Revised Estimates (New Series) ^ : 2nd Advance Estimates (New Series)

Table 1.3: GVA at basic prices by economic activity at constant (2011-12) prices

(₹ crore)

Sl.No.	Industry	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)
I	Agriculture, forestry and fishing	1501947	1524288	1609198	1605715	1616146	1717467	1803039	1852580
	Crops	982151	983809	1037060	998425	969344	1018168	1056560	-
	Livestock	327334	344375	363558	390449	419637	461171	493676	-
	Forestry and logging	124436	124743	132093	134609	136960	138905	141785	-
	Fishing and aquaculture	68027	71362	76487	82232	90205	99224	111018	-
II	Industry	2635023	2721167	2824188	3021899	3311316	3567377	3779514	4068965
	Mining and quarrying	261035	262609	263107	288685	317974	348089	365677	370237
	Manufacturing	1409986	1486873	1560709	1683938	1903850	2055043	2176923	2353618
	Electricity, gas, water supply & other utility services	186668	191635	199601	214047	224158	246491	267720	289193
	Construction	777335	780050	800771	835229	865335	917754	969194	1055917
III	Services	3969975	4300819	4630263	5084519	5564408	6034128	6521612	7004242
	GVA at basic prices	8106946	8546275	9063649	9712133	10491870	11318972	12104165	12925787
	GDP at market prices	8736329	9213017	9801370	10527674	11369493	12298327	13179857	14100119

Source: Central Statistics Office (as per Press Release dated 31.01.2019 and 28.02.2019)

* : 3rd Revised Estimates (New Series)

: 2nd Revised Estimates (New Series)

@ : 1st Revised Estimates (New Series)

^ : 2nd Advance Estimates (New Series)

Table 1.4: Sectoral share in GVA at current prices (2011-12 series)

(Percentage)

S.No.	Industry	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)
I	Agriculture, forestry & fishing	18.5	18.2	18.6	18.2	17.7	17.9	17.2	16.0
	Crops	12.1	11.8	12.1	11.2	10.6	10.6	10.0	-
	Livestock	4.0	4.0	4.1	4.4	4.6	4.8	4.9	-
	Forestry and logging	1.5	1.5	1.5	1.5	1.5	1.4	1.2	-
	Fishing and aquaculture	0.8	0.9	0.9	1.0	1.1	1.1	1.1	-
II	Industry	32.5	31.8	30.8	30.0	30.0	29.4	29.3	29.8
	Mining and quarrying	3.2	3.1	2.9	2.7	2.3	2.3	2.3	2.4
	Manufacturing	17.4	17.1	16.5	16.3	17.1	16.8	16.4	16.6
	Electricity, gas, water supply & other utility services	2.3	2.3	2.5	2.5	2.7	2.5	2.7	2.8
	Construction	9.6	9.2	8.9	8.5	7.9	7.8	7.8	8.0
III	Services	49.0	50.0	50.6	51.8	52.3	52.7	53.5	54.2
	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 Press Release dated 31.01.2019 and 28.02.2019)

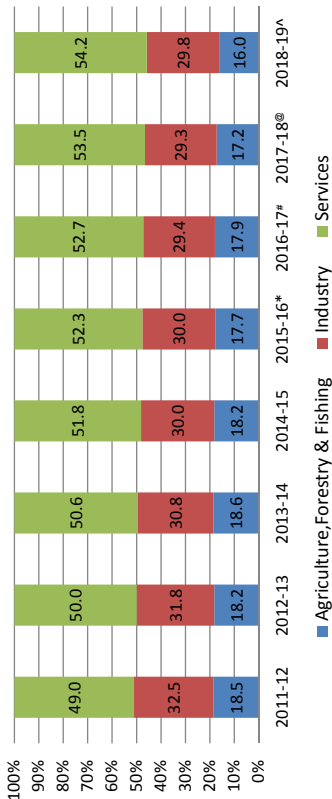
* : 3rd Revised Estimates (New Series)

: 2nd Revised Estimates (New Series)

@ : 1st Revised Estimates (New Series)

^ : 2nd Advance Estimates (New Series)

Chart 1 (a): Sectoral share in GVA at current prices (2011-12 series)



Source: Central Statistics Office (as per Press Release dated 31.01.2019 and 28.02.2019)

* : 3rd Revised Estimates (New Series) # : 2nd Revised Estimates (New Series)

@ : 1st Revised Estimates (New Series) ^ : 2nd Advance Estimates (New Series)

Table 1.5: Growth of GVA at constant (2011-12) prices

(Percentage)

S.No.	Industry	2012-13	2013-14	2014-15	2015-16*	2016-17#	2017-18@	2018-19^
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
I	Agriculture, forestry & fishing	1.5	5.6	-0.2	0.6	6.3	5.0	2.7
	Crops	0.2	5.4	-3.7	-2.9	5.0	3.8	-
	Livestock	5.2	5.6	7.4	7.5	9.9	7.0	-
	Forestry and logging	0.2	5.9	1.9	1.7	1.4	2.1	-
	Fishing and aquaculture	4.9	7.2	7.5	9.7	10.0	11.9	-
II	Industry	3.3	3.8	7.0	9.6	7.7	5.9	7.7
	Mining and quarrying	0.6	0.2	9.7	10.1	9.5	5.1	1.2
	Manufacturing	5.5	5.0	7.9	13.1	7.9	5.9	8.1
	Electricity, gas, water supply & other utility services	2.7	4.2	7.2	4.7	10.0	8.6	8.0
	Construction	0.3	2.7	4.3	3.6	6.1	5.6	8.9
III	Services	8.3	7.7	9.8	9.4	8.4	8.1	7.4
	GVA at basic prices	5.4	6.1	7.2	8.0	7.9	6.9	6.8
	GDP at market prices	5.5	6.4	7.4	8.0	8.2	7.2	7.0

Source: Central Statistics Office (as per Press Release dated 31.01.2019 and 28.02.2019)

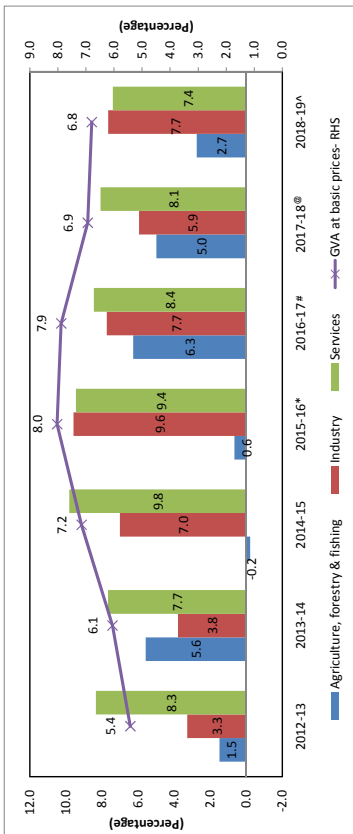
* : 3rd Revised Estimates (New Series)

: 2nd Revised Estimates (New Series)

@ : 1st Revised Estimates (New Series)

^ : 2nd Advance Estimates (New Series)

Chart 1 (b): Growth of GVA at constant (2011-12) prices



Source: Central Statistics Office (as per Press Release dated 31.01.2019 and 28.02.2019)

* : 3rd Revised Estimates (New Series)

: 2nd Revised Estimates (New Series)

@ : 1st Revised Estimates (New Series)

^ : 2nd Advance Estimates (New Series)

Table 1.6: Back Series: Sectoral share in GVA at current prices (2011-12 series)*

(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 GVA at constant (2011-12) 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 utility services	6.3	8.0	8.4	4.9	5.9	7.1	8.6
	Construction	12.9	10.7	11.7	5.6	6.8	6.1	13.1
III	Services	9.1	7.0	7.8	6.5	8.7	7.8	5.9
	GVA at basic prices	8.3	8.1	7.4	4.3	6.9	8.0	5.2
	GDP at market prices	7.9	8.1	7.7	3.1	7.9	8.5	5.2

Source: 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/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
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
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
2	Interest Subsidy for Short Term Credit to Farmers	13397.13	15000.00	14750.00	13045.72	15000.00	14987.00
3	Market Intervention Scheme and Price Support Scheme (MIS-PSS)	145.69	199.30	950.00	700.92	200.00	2000.00
4	Pradhan Mantri Annadata Aay Sanrakshan Yojana (PM-AASHA)	-	-	-	-	-	1400.00
5	Distribution of Pulses to State / Union Territories for Welfare Schemes	-	-	-	-	-	550.08
6	Promotion of Agricultural Mechanization for in-situ Management of Crop Residue	-	-	-	-	-	591.62
7	Income Support Scheme	-	-	-	-	-	20000.00
	Total Central Sector Schemes/Projects	24594.37	24199.30	26398.00	23165.86	28200.00	52504.40
II. Centrally Sponsored Schemes							
1	Pradhan Mantri Krishi Sinchay Yojana (PMKSY) - Per Drop More Crop	1991.25	3400.00	3000.00	2819.25	4000.00	2954.69

(Contd.)

Table: 2.1: (Contd.)

S.No.	Department	Actual 2016-17*	Budget 2017-18	Revised 2017-18	Actual 2017-18*	Budget 2018-19	Revised 2018-19
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
2	Green Revolution						
a	Rashtriya Krishi Vikas Yojana	3892.01	4750.00	3050.00	3559.74	3600.00	3600.00
b	National Food Security Mission	1286.04	1720.00	1400.00	1377.12	1690.70	1510.00
c	National Project on Organic Farming	10.96	1.00	10.10	-	8.10	2.50
d	Organic Value Chain Development for North East Region	48.28	100.00	100.00	66.48	160.00	182.46
e	National Project on Soil Health and Fertility	229.17	452.00	214.00	194.88	400.00	300.04
f	Rainfed Area Development and Climate Change	205.24	223.00	210.00	209.25	234.00	225.00
g	Paramparagat Krishi Vikas Yojana	152.89	350.00	250.00	203.46	360.00	300.00
h	National Project on Agro-Forestry	22.52	100.00	40.00	42.67	75.00	40.00
i	National Mission on Oil Seed and Oil Palm	327.50	403.00	328.06	263.62	400.00	352.00
j	National Mission on Horticulture	1493.07	2320.00	2190.00	2027.03	2536.00	2100.00
k	Sub- Mission on Seed and Planting Material	167.85	200.00	480.00	423.54	332.00	332.00
l	Sub- Mission on Plant Protection and Plant Quarantine	137.86	50.00	62.66	46.12	129.25	41.00
m	Sub- Mission on Agriculture Extension	590.46	912.00	821.00	818.81	1020.00	875.00
n	Information Technology	42.13	65.00	50.00	33.24	56.00	35.00
o	Sub- Mission on Agriculture Mechanisation	366.93	550.00	776.71	764.41	1165.29	897.95

(Contd.)

Table 2.1: (Contd.)

S.No.	Department	Actual 2016-17*	Budget 2017-18	Revised 2017-18	Actual 2017-18*	Budget 2018-19	Revised 2018-19
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
p	Integrated Scheme on Agriculture Census and Statistics	174.95	225.00	222.13	208.50	262.58	218.13
q	Integrated Scheme on Agricultural Cooperation	129.81	130.00	230.00	228.18	130.00	144.68
r	Integrated Scheme on Agriculture Marketing	827.39	1190.00	750.00	589.69	1050.00	500.00
s	National Bamboo Mission	-	-	-	-	300.00	146.50
	Total Centrally Sponsored Schemes	11978.98	17141.00	14184.66	13733.94	17908.92	14756.95
III. Other Expenditure**		339.13	514.70	522.34	496.92	591.08	538.65
Total DAC&FW (I-II+III)		36912.48	41855.00	41105.00	37396.72	46700.00	67800.00
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
2	Agricultural Engineering	190.86	42.68	42.68	42.68	100.00	59.50
3	Management of Natural Resources	680.24	217.68	217.68	217.68	226.39	192.45
4	Crop Sciences	1905.22	591.11	591.11	591.11	1050.75	868.49
5	Animal Sciences	1206.45	387.82	387.82	387.82	570.69	421.32
6	Agricultural Education	726.29	694.66	694.66	694.66	725.13	761.14
	Total Central Sector Schemes/Projects	5462.92	2166.46	2166.46	2166.46	2914.77	2508.43

(Contd.)

Table 2.1: (Contd.)

S.No.	Department	Actual 2016-17*	Budget 2017-18	Revised 2017-18	Actual 2017-18*	Budget 2018-19	Revised 2018-19
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
II. Other Expenditure**							
		266.33	4633.54	4825.54	4776.46	4885.23	5444.3
Total DARE (I+II)		5729.25	6800.00	6992.00	6942.92	7800.00	7952.73
C. Department of Animal Husbandry, Dairying and Fisheries (DAHDF)							
I. Centrally Sponsored Schemes							
1	White Revolution	1309.16	1633.97	1632.97	1573.81	2219.88	2430.92
a	National Dairy Plan/National Programme for Dairy Development	434.03	-	-	-	-	-
b	National Dairy Plan (EAP)	-	390.00	389.98	389.98	324.91	324.91
c	National Programme for Dairy Development	-	170.00	170.49	170.42	280.00	270.07
d	Dairy Entrepreneurship Development	240.00	240.00	203.02	203.02	323.00	323.00
e	Rashtriya Gokul Mission	-	190.00	190.00	187.73	301.50	750.50
f	Support to State Co-operative Dairy Federations	-	1.00	0.50	-	0.50	3.00
g	Livestock Census and Integrated Sample Survey	20.83	34.20	34.20	17.98	64.20	52.00
h	Livestock Health and Disease Control	246.23	298.77	298.77	298.40	508.77	391.43
i	National Livestock Mission	249.18	310.00	309.00	306.28	380.00	300.00
j	Other programmes/projects under White Revolution	118.89	-	37.01	-	37.00	16.01

(Contd.)

Table 2.1: (Contd.)**(Contd.)**

S.No.	Department	Actual 2016-17*	Budget 2017-18	Revised 2017-18	Actual 2017-18*	Budget 2018-19	Revised 2018-19
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
2	Blue Revolution	387.81	400.73	301.73	321.45	642.61	501.00
3	Actual Recoveries	-99.66	-	-	-68.52	-	-
	Total Centrally Sponsored Schemes	1597.31	2034.70	1934.70	1826.74	2862.49	2931.92
	II. Other Expenditure**	260.67	336.30	232.04	195.36	237.50	341.09
	Total DAHDF (I+II)	1857.98	2371.00	2166.74	2022.1	3100.00	3273.01
	Grand Total- Ministry of Agriculture & Farmers Welfare (A+B+C)	44499.71	51026.00	50263.74	46361.74	57600.00	79025.74

Source: Budget Documents, Ministry of Finance

*Actual expenditure is net of recoveries

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

Table 2.2: Disaggregated Outlay/ Expenditure on Developmental Heads 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
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
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
2	Soil and Water Conservation	20.45	22.51	24.21	23.83	25.43	27.42
3	Agricultural Financial Institutions	13397.13	13500.00	14335.02	13045.72	13589.83	13514.36
4	Co-operation	129.81	117.00	197.00	228.18	117.00	131.68
5	Other Agricultural Programmes	861.58	1149.60	750.98	636.87	1028.94	502.77
6	Secretariat-Economic Services	112.87	119.00	123.06	116.54	134.00	138.61
7	Capital Outlay on Crop Husbandry	12.16	49.44	40.83	16.69	108.71	30.03
8	Capital Outlay on Other Agricultural Programmes	0.64	1.00	1.00	0.67	1.00	1.00
9	Loans for Cooperation	18.18	25.00	-	-	-	-
10	North-Eastern Areas	-	4112.61	2834.28	-	4606.90	6722.35
11	Grants-in-aid to State Governments	9678.71	12047.86	10107.04	11306.78	12347.92	11786.55
12	Grants-in-aid to Union Territory Governments	3.25	15.14	10.33	7.96	15.63	18.37
13	Capital Outlay on North-Eastern Areas	-	3.99	3.99	-	3.99	3.99
Total (DAC&FW)		36912.48	41855.00	41105.00	37396.72	46700.00	67800.00

(Contd.)

Table 2.2: (Contd.)

S.No.	Department	Actual 2016-17*	Budget 2017-18	Revised 2017-18	Actual 2017-18*	Budget 2018-19	Revised 2018-19
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
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
2	Secretariat-Economic Services	7.22	7.45	7.36	6.71	8.06	7.60
3	North-Eastern Areas	-	323.00	323.00	-	423.48	459.96
Total (DARE)		5729.25	6800.00	6992.00	6942.92	7800.00	7952.73
C. Department of Animal Husbandry, Dairying and Fisheries (DAHDF)							
1	Animal Husbandry	284.61	430.68	393.13	417.93	593.62	962.16
2	Dairy Development	630.16	734.00	743.00	683.71	843.37	833.33
3	Fisheries	117.54	140.09	110.20	99.61	137.51	192.75
4	Secretariat-Economic Services	31.41	48.80	40.65	36.47	44.27	43.51
5	Capital Outlay on Animal Husbandry	5.71	18.12	11.46	5.37	15.02	11.06
6	Capital Outlay on Dairy Development	-	-	-	-	13.00	-
7	Capital Outlay on Fisheries	2.29	25.40	3.39	2.63	15.87	4.70
8	North-Eastern Areas	-	159.61	160.61	-	286.32	264.67
9	Grants-in-aid to State Governments	775.52	807.43	697.43	772.62	1141.85	945.35
10	Grants-in-aid to Union Territory Governments	10.74	6.87	6.87	3.76	9.17	15.48
Total (DAHDF)		1857.98	2371.00	2166.74	2022.10	3100.00	3273.01
Grand Total- Ministry of Agriculture & Farmers Welfare (A+B+C)		44499.71	51026.00	50263.74	46361.74	57600.00	79025.74

Source: Budget Documents, Ministry of Finance

*Actual expenditure is net of recoveries

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

(₹ crore)

Year	DAC & FW			DARE			DAHDF	
	Budget Estimate	Revised Estimate	Actual Expenditure*	Budget Estimate	Revised Estimate	Actual Expenditure*	Budget Estimate	Revised Estimate
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
2009-10	11915.22	12116.63	11934.99	3314.77	3322.68	3263.35	1583.50	1097.97
2010-11	15647.97	17695.48	17333.68	3825.55	5172.50	5385.84	1761.10	1304.55
2011-12	17522.87	16825.31	16753.10	4966.14	5016.14	4987.95	2037.95	1330.84
2012-13	20530.22	18173.94	18028.38	5392.00	4620.00	4618.64	2009.37	1878.20
2013-14	21933.50	19306.82	19027.58	5729.17	4881.08	4879.94	2110.16	1882.97
2014-15	22652.25	19852.00	19513.58	6144.39	4884.00	4840.03	2266.30	1886.57
2015-16	17004.35	15809.54	15333.92	6320.00	5586.00	5572.89	1585.43	1562.66
2016-17	35983.69	39840.50	37029.81	6620.00	6238.00	5995.21	1881.51	1994.00
2017-18	41855.00	41105.00	37538.77	6800.00	6992.00	6989.92	2371.00	2166.74
2018-19	46700.00	67800.00	35043.67**	7800.00	7952.73	5906.17#	3100.00	3273.01
								1190.93^

Source: Ministry of Agriculture & Farmers Welfare

* Actual expenditure is unadjusted for recoveries

** As on 31-12-2018

As on 31-01-2019

^ As on 31-08-2018

Notes:

1. Due to discontinuation of distinction between Plan and Non-Plan expenditure, the figures have been updated/revised as per total expenditure.
 2. Figures from 2009-10 to 2011-12 for DAHDF include Revenue Receipts from Delhi Milk Scheme (DMS)
- DAC&FW: D/o Agriculture, Cooperation & Farmers Welfare; DARE: D/o Agricultural Research and Education
DAHDF: D/o Animal Husbandry, Dairying & Fisheries

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 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#	349491	267836	4474728	3907866	7.8	6.9
2017-18@	366101	273755	5070703	4286988	7.2	6.4

Source: Central Statistics Office (as per Press Release dated 31.01.2019)

* : 3rd Revised Estimates # : 2nd Revised Estimates @ : 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#	349491	267836	2496358	1717467	14.0	15.6
2017-18@	366101	273755	2670147	1803039	13.7	15.2

Source: Central Statistics Office (as per Press Release dated 31.01.2019)

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



3 LABOUR FORCE, POVERTY AND UNEMPLOYMENT

Table 3.1: Population and Agricultural Workers

(Million)

Year	Total Population	Average Annual Exponential Growth Rate (%)	Rural Population	Total Workers	Agricultural Workers		
					Cultivators	Agricultural Labourers	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1951	361.1	1.25	298.6 (82.7)	139.5	69.9 (71.9)	27.3 (28.1)	97.2 (69.7)
1961	439.2	1.96	360.3 (82.0)	188.7	99.6 (76.0)	31.5 (24.0)	131.1 (69.5)
1971	548.2	2.20	439.0 (80.1)	180.4	78.2 (62.2)	47.5 (37.8)	125.7 (69.7)
1981	683.3	2.22	525.6 (76.9)	244.6	92.5 (62.5)	55.5 (37.5)	148.0 (60.5)
1991	846.4	2.16	630.6 (74.5)	314.1	110.7 (59.7)	74.6 (40.3)	185.3 (59.0)
2001	1028.7	1.97	742.6 (72.2)	402.2	127.3 (54.4)	106.8 (45.6)	234.1 (58.2)
2011	1210.9	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.

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

(Percent per annum)

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

(Contd.)

Table: 3.3: (Contd.)

State/UTs	2009-10			2011-12		
	Rural	Urban	Total	Rural	Urban	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)
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 March 2010 (interpolated between 2001 and 2011 population Census)
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)

(Percentage)

Status	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: NSSO 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
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
I.	Geographical Area	328.73	328.73	328.73	328.73	328.73	328.73	328.73	328.73	328.73
II.	Reporting Area for Land Utilisation Statistics (1 to 5)	284.32	304.86	305.19	307.41	307.48	307.39	307.49	307.80	307.82
	1. Forest	40.48	67.81	69.84	71.56	71.59	71.60	71.57	71.83	71.79
	2. Not Available for Cultivation (A+B)	47.52	40.48	41.23	43.33	43.58	43.53	43.58	43.86	43.88
	(A) Area Under Non-agricultural Uses	9.36	21.09	23.75	26.16	26.40	26.31	26.50	26.91	26.88
	(B) Barren & Un-culturable Land	38.16	19.39	17.48	17.18	17.18	17.22	17.07	16.95	17.00
	3. Other Uncultivated land excluding Fallow Land (A+B+C)	49.45	30.22	27.74	26.50	26.15	26.11	26.08	25.83	25.83
	(A) Permanent Pasture & other Grazing Land	6.68	11.40	10.66	10.34	10.30	10.31	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

(Contd.)

Table: 4.1: (Contd.)

S.No.	Classification	1950-51 (3)	1990-91 (4)	2000-01 (5)	2009-10 (P)	2010-11 (P)	2011-12 (P)	2012-13 (P)	2013-14 (P)	2014-15 (P)
(1)	(2)				(6)	(7)	(8)	(9)	(10)	(11)
	(C) Culturable Waste Land	22.94	15.00	13.63	12.95	12.65	12.64	12.64	12.39	12.47
	4. Fallow Lands (A+B)	28.12	23.37	25.04	26.85	24.60	25.18	26.32	24.85	26.18
	(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
	(B) Current Fallows	10.68	13.70	14.78	16.01	14.28	14.51	15.29	14.15	15.09
	5. Net Area Sown (6-7)	118.75	143.00	141.34	139.17	141.56	140.98	139.94	141.43	140.13
	6. Total Cropped Area (Gross Cropped Area)	131.89	185.74	185.34	189.19	197.68	195.80	194.25	200.95	198.36
	7. Area Sown more than once	13.15	42.74	44.00	50.02	56.12	54.82	54.31	59.52	58.23
	8. Cropping Intensity*	111.07	129.89	131.13	135.94	139.64	138.88	138.81	142.09	141.55
	Net Irrigated Area	20.85	48.02	55.20	61.94	63.67	65.71	66.29	68.12	68.38
	Gross Irrigated Area	22.56	63.20	76.19	85.09	88.94	91.79	92.25	95.77	96.46

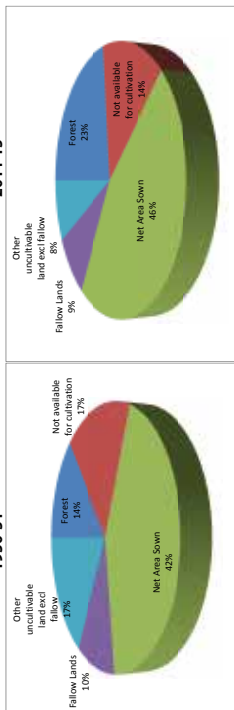
Source: Land Use Statistics 2014-15, Directorate of Economics & Statistics

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

(P) Provisional

Notes: 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

(Percentage)

Crop (1)	1950-51 (2)	1960-61 (3)	1970-71 (4)	1980-81 (5)	1990-91 (6)	2000-01 (7)	2010-11* (8)	2011-12* (9)	2012-13* (10)	2013-14* (11)	2014-15* (12)
Rice	23.5	22.3	22.5	23.3	23.0	24.2	21.9	22.3	22.0	22.1	22.3
Jowar	11.8	12.1	10.2	9.5	7.6	5.3	3.7	3.2	3.2	2.9	3.1
Bajra	7.4	7.5	8.1	6.8	5.8	5.4	4.9	4.5	3.9	4.0	4.0
Maize	2.5	2.9	3.5	3.5	3.2	3.7	4.3	4.4	4.4	4.5	4.4
Ragi/Marua	1.7	1.6	1.5	1.5	1.2	1.0	0.6	0.6	0.6	0.6	0.6
Wheat	7.6	8.5	11.0	12.9	12.9	13.9	15.2	15.4	15.7	15.6	16.2
Barley	2.4	2.1	1.5	1.0	0.5	0.4	0.4	0.3	0.4	0.3	0.4
Other Cereals & Millets	4.2	3.3	3.0	2.3	1.3	0.8	0.4	0.4	0.4	0.4	0.3
Total Cereals & Millets	61.1	60.2	61.4	60.8	55.5	54.7	51.4	51.1	50.7	50.4	51.3
Gram	5.9	6.1	4.7	3.8	4.0	2.9	4.4	4.0	4.1	4.7	3.9
Tur or Arhar	1.7	1.6	1.6	1.7	1.9	2.0	2.1	1.9	1.8	1.8	1.7
Other pulses (Excl. Gram & Tur or Arhar)	8.0	7.8	7.6	7.7	7.4	6.7	6.3	6.1	5.4	5.4	5.4
Total Pulses	15.6	15.5	13.9	13.2	13.4	11.5	12.8	12.0	11.3	11.8	10.9
Total Foodgrains	76.7	75.6	75.3	73.9	68.9	66.2	64.3	63.1	62.0	62.3	62.3
Sugarcane	1.3	1.6	1.6	1.7	2.1	2.5	2.6	2.8	2.8	2.7	2.8
Total Condiments and Spices	0.9	1.0	1.1	1.2	1.3	1.5	1.7	1.9	1.7	1.6	1.7

(Contd.)

Table 4.2: (Contd.)

Crop (1)	1950-51 (2)	1960-61 (3)	1970-71 (4)	1980-81 (5)	1990-91 (6)	2000-01 (7)	2010-11* (8)	2011-12* (9)	2012-13* (10)	2013-14* (11)	2014-15* (12)
Total Fruits & Vegetables	1.7	1.7	2.2	2.9	3.6	4.4	4.8	4.9	4.9	4.9	5.0
Other Food Crops	0.5	0.8	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Total Food crops	81.2	80.8	80.3	79.7	75.9	74.7	73.4	72.7	71.5	71.7	72.0
Groundnut	3.3	4.2	4.6	3.9	4.5	3.6	2.9	2.7	2.7	2.7	2.6
Castorseed	0.4	0.3	0.3	0.3	0.5	0.6	0.5	0.7	0.6	0.5	0.5
Sesamum	1.5	1.0	1.1	1.0	1.3	0.9	1.1	1.0	0.9	0.8	0.9
Rapeseed & Mustard	0.8	0.7	0.9	1.3	2.8	2.3	2.8	2.8	3.1	3.0	2.7
Lin-seed	0.9	0.8	0.7	0.7	0.5	0.3	0.1	0.1	0.1	0.1	0.1
Coconut	0.5	0.5	0.6	0.6	0.8	1.0	0.9	1.0	1.0	0.9	1.0
Other Oilseeds	0.8	0.7	0.7	1.2	3.2	4.6	6.3	6.1	6.5	6.9	6.5
Total Oilseeds	8.3	8.4	8.9	9.1	13.5	13.3	14.6	14.3	14.9	15.0	14.3
Cotton	4.3	5.0	4.7	4.5	4.1	4.6	5.5	6.2	6.1	5.9	6.4
Jute	0.4	0.4	0.5	0.5	0.4	0.5	0.4	0.4	0.4	0.4	0.4
Other Fibres	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.1
Total Fibres	5.1	5.7	5.5	5.3	4.7	5.2	6.0	6.7	6.6	6.4	6.8
Indigo	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Opium	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tobacco	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2

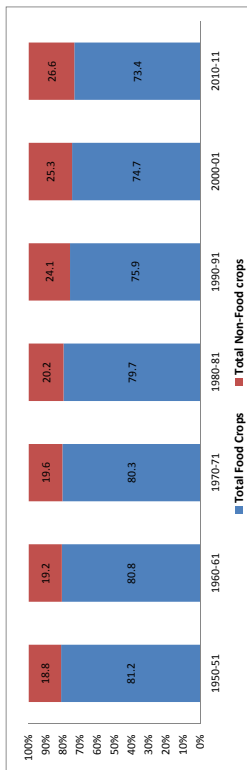
(Contd.)

Table 4.2: (Contd.)

Crop	1950-51	1960-61	1970-71	1980-81	1990-91	2000-01	2010-11*	2011-12*	2012-13*	2013-14*	2014-15*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Tea	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3
Coffee	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Fodder Crops	3.3	3.8	4.2	4.7	4.5	5.0	3.9	4.0	4.8	4.9	4.6
Other Non-Food Crops	1.5	0.8	0.4	0.5	0.8	1.1	0.7	1.6	1.4	1.4	1.5
Total Non-Food crops	18.8	19.2	19.6	20.2	24.1	25.3	26.6	27.3	28.5	28.3	28.0
Total Gross Cropped Area	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Source: Land Use Statistics 2014-15, Directorate of Economics & Statistics

* Provisional

Chart 4 (c): Distribution of Gross Cropped Area

Source: Directorate of Economics & Statistics

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

No. of Holdings: ('000 Number)
Area Operated: ('000 Hectare)
Average size: (Hectare)

Category of Holdings	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)	99858 (68.52)		32026 (20.2)	35908 (22.5)	37960 (24.16)		0.38	0.39	0.38	
Small (1.0 to 2.0 hectares)	23930 (18.5)	24779 (17.9)	25777 (17.69)		33101 (20.9)	35244 (22.1)	36435 (23.19)		1.38	1.42	1.41	
Semi-Medium (2.0 to 4.0 hectares)	14127 (10.9)	13896 (10.0)	13776 (9.45)		37898 (23.9)	37705 (23.6)	37168 (23.65)		2.68	2.71	2.70	
Medium (4.0 to 10.0 hectares)	6375 (4.9)	5875 (4.2)	5485 (3.76)		36583 (23.1)	33828 (21.2)	31367 (19.96)		5.74	5.76	5.72	
Large (10.0 hectares and above)	1096 (0.8)	973 (0.7)	831 (0.57)		18715 (11.8)	16907 (10.6)	14212 (9.04)		17.08	17.38	17.1	
All Holdings	129222 (100.0)	138348 (100.0)	145727 (100.0)		158323 (100.0)	159592 (100.0)	157142 (100.0)		1.23	1.15	1.08	

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

*-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

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

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

State	2017-18*					2016-17					Area Under Irrigation (%) 2014-15*
	Area	% to All - India	Production	% to All - India	Yield	Area	% to All - India	Production	% to All - India	Yield	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Uttar Pradesh	19.83	15.54	51.25	17.99	2585	20.16	15.60	49.90	18.14	2475	80.4
Madhya Pradesh	17.04	13.36	33.45	11.74	1963	17.07	13.21	33.22	12.08	1947	59.7
Punjab	6.73	5.27	31.71	11.13	4715	6.56	5.07	28.54	10.37	4353	99.0
Rajasthan	14.24	11.16	19.60	6.88	1377	14.24	11.02	19.35	7.03	1359	35.9
West Bengal	5.94	4.66	16.88	5.93	2839	6.26	4.85	17.15	6.23	2738	48.4
Haryana	4.53	3.55	16.57	5.82	3657	4.59	3.55	17.16	6.24	3736	92.7
Bihar	6.51	5.10	16.54	5.81	2542	6.68	5.17	16.53	6.01	2473	69.8
Maharashtra	10.90	8.55	13.73	4.82	1259	12.38	9.58	15.33	5.57	1239	18.0
Andhra Pradesh	4.14	3.25	12.16	4.27	2934	3.97	3.07	10.37	3.77	2611	66.5
Tamil Nadu	3.64	2.85	11.41	4.01	3138	2.95	2.28	4.14	1.51	1406	56.8
Karnataka	7.60	5.95	11.14	3.91	1466	7.35	5.69	9.79	3.56	1333	27.3
Telangana	3.25	2.55	9.41	3.30	2893	3.29	2.55	8.48	3.08	2576	64.3

(Contd.)

Table: 5.1: (Contd.)

State	2017-18 ^a					2016-17					Area Under Irrigation (%) 2014-15*
	Area	% to All - India	Production	% to All - India	Yield	Area	% to All - India	Production	% to All - India	Yield	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Others	23.22	18.20	40.98	14.39	@	23.73	18.36	45.13	16.41	@	-
All India	127.56	100.00	284.83	100.00	2233	129.23	100.00	275.11	100.00	2129	53.1

Source: Directorate of Economics & Statistics

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

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

* 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*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
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	43.79
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	29.58
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	24.21
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	29.99
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	127.56
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	24.65
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	4.73
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	12.43
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

Source: Directorate of Economics and Statistics

* 4th Advance Estimates

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

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	12.53	65.85	14.17	2.68	5.00	12.30	100.00
2008-09	24.17	14.73	14.57	11.72	65.19	14.63	2.34	4.99	12.85	100.00
2009-10	22.59	15.34	14.91	12.53	65.37	13.99	2.25	5.46	12.93	100.00
2010-11	21.85	14.82	14.44	13.45	64.56	13.88	2.49	5.73	13.34	100.00
2011-12	22.48	15.26	13.50	12.49	63.72	13.44	2.57	6.22	14.05	100.00
2012-13	22.13	15.53	12.82	12.03	62.50	13.71	2.59	6.20	15.00	100.00
2013-14	22.08	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	22.30	15.61	12.68	14.93	65.52	13.27	2.25	5.49	13.47	100.00
2017-18	22.79	15.39	12.60	15.61	66.38	12.82	2.46	6.47	11.87	100.00

Source: Directorate of Economics & Statistics

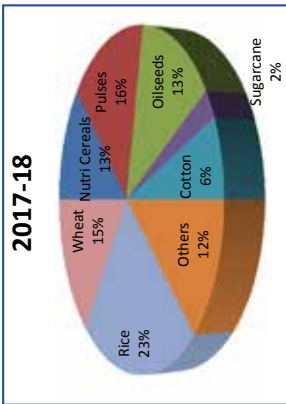
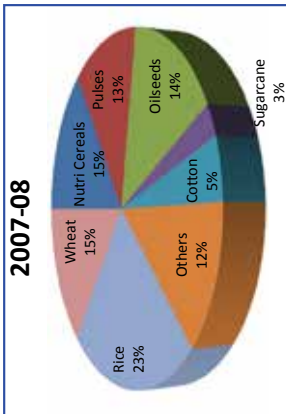
Notes: (1) Area estimates are based on data provided by State Statistical Authorities (SASAs) which is further cross checked and validated with estimates provided by other agencies, viz., MNCFC and CWWG.

(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 2017-18

(4) Data for Horticulture crops are as per 3rd Advance Estimates for 2017-18

Chart 5 (a): Changes in 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. (1)	Crop (2)	1950-51 (3)	1960-61 (4)	1970-71 (5)	1980-81 (6)	1990-91 (7)	2000-01 (8)	2010-11 (9)
1	Foodgrains	50.82	82.02	108.42	129.59	176.39	196.81	244.49
	Rice	20.58	34.58	42.22	53.63	74.29	84.98	95.98
	Wheat	6.46	11.00	23.83	36.31	55.14	69.68	86.87
	Maize	1.73	4.08	7.49	6.96	8.96	12.04	21.73
	Nutri Cereals	15.38	23.74	30.55	29.02	32.70	31.08	43.40
2	Pulses	8.41	12.70	11.82	10.63	14.26	11.08	18.24
	Gram	3.65	6.25	5.20	4.33	5.36	3.86	8.22
	Tur (Arhar)	1.72	2.07	1.88	1.96	2.41	2.25	2.86
	Lentil (Masur)	--	--	0.37	0.47	0.85	0.92	0.94
3	Oilseeds	5.16	6.98	9.63	9.37	18.61	18.44	32.48
	Groundnut	3.48	4.81	6.11	5.01	7.51	6.41	8.26
	Rapeseed & Mustard	0.76	1.35	1.98	2.30	5.23	4.19	8.18
	Soybean	--	--	0.01	0.44	2.60	5.28	12.74
	Sunflower	--	--	0.08	0.07	0.87	0.65	0.65
4	Cotton #	3.04	5.60	4.76	7.01	9.84	9.52	33.00
5	Jute & Mesta @	3.31	5.26	6.19	8.16	9.23	10.56	10.62
6	Sugarcane	57.05	110.00	126.37	154.25	241.05	295.96	342.38

(Contd.)

Table: 5.3(a): (Contd.)

S.No. (1)	Crop (2)	2011-12 (10)	2012-13 (11)	2013-14 (12)	2014-15 (13)	2015-16 (14)	2016-17 (15)	2017-18* (16)
1	Foodgrains	259.29	257.13	265.05	252.03	251.54	275.11	284.83
	Rice	105.30	105.23	106.65	105.48	104.41	109.70	112.91
	Wheat	94.88	93.51	95.85	86.53	92.29	98.51	99.70
	Maize	21.76	22.26	24.26	24.17	22.57	25.90	28.72
	Nutri Cereals	42.01	40.04	43.29	42.86	38.52	43.77	46.99
2	Pulses	17.09	18.34	19.25	17.15	16.32	23.13	25.23
	Gram	7.70	8.83	9.53	7.33	7.06	9.38	11.23
	Tur (Arhar)	2.65	3.02	3.17	2.81	2.56	4.87	4.25
	Lentil (Masur)	1.06	1.13	1.02	1.04	0.98	1.22	1.61
3	Oilseeds	29.80	30.94	32.75	27.51	25.25	31.28	31.31
	Groundnut	6.96	4.70	9.71	7.40	6.73	7.46	9.18
	Rapeseed & Mustard	6.60	8.03	7.88	6.28	6.80	7.92	8.32
	Soybean	12.21	14.67	11.86	10.37	8.57	13.16	10.98
	Sunflower	0.52	0.54	0.50	0.43	0.30	0.25	0.21
4	Cotton #	35.20	34.22	35.90	34.80	30.01	32.58	34.89
5	Jute & Mesta @	11.40	10.93	11.68	11.13	10.52	10.96	10.14
6	Sugarcane	361.04	341.20	352.14	362.33	348.45	306.07	376.90

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	2014-15		2015-16		2016-17		2017-18*	
	Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Rice	106.00	105.48	106.10	104.41	108.50	109.70	108.50	112.91
Wheat	94.00	86.53	94.75	92.29	96.50	98.51	97.50	99.70
Nutri Cereals	41.50	42.86	43.20	38.52	44.35	43.17	45.65	46.99
Pulses	19.50	17.15	20.05	16.32	20.75	23.13	22.90	25.23
Foodgrains	261.00	252.03	264.10	251.54	270.10	275.11	274.55	284.83
Oilseeds	33.00	27.51	33.00	25.25	35.00	31.28	35.50	31.31
Sugarcane	345.00	362.33	355.00	348.45	355.00	306.07	355.00	376.90
Cotton #	35.00	34.81	35.15	30.01	36.00	32.58	35.50	34.89
Jute & Mesta@	11.20	11.13	11.70	10.52	11.70	10.96	11.70	10.14

Source: Directorate of Economics and Statistics

* 4th Advance Estimates.

Million Bales of 170 kg. each.

@ Million Bales of 180 kg. each.

Table 5.3(c): Three largest producing States of major crops during 2017-18*

Group of Crops	Crop	State	Production (Million Tonnes)	Share in All India Production (%)
(1)	(2)	(3)	(4)	(5)
I. Foodgrains	Rice	West Bengal	14.97	13.26
		Punjab	13.38	11.85
		Uttar Pradesh	13.27	11.75
		All - India	112.91	100.00
	Wheat	Uttar Pradesh	31.88	31.98
		Punjab	17.85	17.90
		Madhya Pradesh	15.91	15.96
		All - India	99.70	100.00
	Maize	Karnataka	3.55	12.36
		Maharashtra	3.54	12.33
		Madhya Pradesh	3.54	12.32
		All - India	28.72	100.00
	Total Nutri Cereals	Rajasthan	6.57	13.99
		Karnataka	6.27	13.35
		Maharashtra	6.09	12.96
		All - India	46.99	100.00
	Total Pulses	Madhya Pradesh	8.11	32.14
		Rajasthan	3.39	13.42
		Maharashtra	3.30	13.09
		All - India	25.23	100.00
	Total Foodgrains	Uttar Pradesh	51.25	17.99
		Madhya Pradesh	33.45	11.74
		Punjab	31.71	11.13
		All - India	284.83	100.00
II . Oilseeds	Groundnut	Gujarat	3.94	42.88
		Rajasthan	1.26	13.72

(Contd.)

Table: 5.3(c): (Contd.)

Group of Crops	Crop	State	Production (Million Tonnes)	Share in All India Production (%)
(1)	(2)	(3)	(4)	(5)
		Andhra Pradesh	1.04	11.34
		All - India	9.18	100.00
	Rapeseed & Mustard	Rajasthan	3.40	40.87
		Haryana	1.11	13.31
		Madhya Pradesh	0.98	11.73
		All - India	8.32	100.00
	Soybean	Madhya Pradesh	5.32	48.46
		Maharashtra	3.89	35.41
		Rajasthan	1.07	9.74
		All - India	10.98	100.00
	Sunflower	Karnataka	0.10	47.31
		Bihar	0.02	10.48
		Odisha	0.02	7.32
		All - India	0.21	100.00
	Total Oilseeds	Madhya Pradesh	6.95	22.20
		Rajasthan	5.97	19.07
		Gujarat	5.86	18.71
		All - India	31.31	100.00
III. Other Cash Crops	Sugarcane	Uttar Pradesh	177.06	46.98
		Maharashtra	83.13	22.06
		Karnataka	28.26	7.50
		All - India	306.72	376.90
	Cotton @	Gujarat	12.64	36.22
		Maharashtra	6.55	18.76
		Telangana	4.75	13.63

(Contd.)

Table: 5.3(c): (Contd.)

Group of Crops	Crop	State	Production (Million Tonnes)	Share in All India Production (%)
(1)	(2)	(3)	(4)	(5)
		All - India	34.89	100.00
	Jute & Mesta\$	West Bengal	7.64	75.35
		Bihar	1.45	14.32
		Assam	0.84	8.26
		All - India	10.14	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

(Lakh Tonnes)

Oilseeds / Oils	2015-16		2016-17*		2017-18**	
(1)	Oilseeds	Oils	Oilseeds	Oils	Oilseeds	Oils
	(2)	(3)	(4)	(5)	(6)	(7)
A. Primary Source						
Groundnut	67.33	15.27	74.62	17.16	91.79	20.82
Rapeseed & Mustard	67.97	21.08	79.17	24.74	83.22	25.81
Soybean	85.70	13.73	131.59	22.10	109.81	17.59
Sunflower	2.96	0.98	2.51	0.80	2.11	0.70
Sesamum	8.50	2.65	7.47	2.45	7.51	2.34
Nigerseed	0.74	0.21	0.85	0.24	0.74	0.21
Safflower	0.53	0.15	0.94	0.22	0.47	0.14
Castor	17.52	6.16	13.76	4.99	15.68	5.51
Linseed	1.25	0.32	1.84	0.39	1.75	0.44
Sub Total	252.50	60.55	312.75	73.09	313.08	73.56
B. Secondary Source						
Coconut	-	4.32	-	5.20	-	6.01
Palm Oil		1.98		2.30		2.20
Cottonseed	-	10.05	-	12.24	-	12.64
Ricebran	-	9.90	-	10.31	-	10.69

(Contd.)

Table: 5.3(d): (Contd.)

Oilseeds / Oils	2015-16		2016-17*		2017-18**	
	Oilseeds	Oils	Oilseeds	Oils	Oilseeds	Oils
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Solvent Extracted Oils	-	3.50	-	2.85	-	3.50
Tree & Forest Origin	-	1.50	-	1.50	-	1.50
Sub Total	-	31.25	-	34.40	-	36.54
Total(A+B)		91.80		107.49	-	110.10
C. Less: Exports & Industrial Use	-	5.50	-	6.50	-	6.30
D. Net Domestic Availability of Edible Oils	-	86.3	-	100.99	-	103.80
E.Import of Edible Oils \$	-	148.50	-	153.17	-	119.44#
F. Total Availability/ Consumption of Edible Oils	-	234.80	-	254.16	-	-

Source: Directorate of Vanaspati, Vegetable Oils and Fats

* Based on Final Estimates released by Ministry of Agriculture and Farmers Welfare on 27.02.2018

** Based on 4th Advance Estimates released by Ministry of Agriculture and Farmers Welfare on 28.08.2018

Data for Nov 2017-Aug 2018

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

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

(Quintal/ hectare)

Crop	1950-51	1950-91	2000-01	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Rice	6.68	17.40	19.01	22.39	23.93	24.61	24.16	23.91	24.00	24.94	25.78
Jowar	3.53	8.14	7.64	9.49	9.57	8.50	9.56	8.84	6.97	8.12	9.98
Bajra	2.88	6.58	6.88	10.79	11.71	11.98	11.84	12.55	11.32	13.05	12.37
Maize	5.47	15.18	18.22	25.42	24.78	25.66	26.76	26.32	25.63	26.89	30.32
Wheat	6.63	22.81	27.08	29.88	31.77	31.17	31.46	27.50	30.34	32.00	33.71
Nutri Cereals	4.08	9.00	10.27	15.31	15.90	16.17	17.17	17.03	15.79	17.50	19.41
Gram	4.82	7.12	7.44	8.94	9.28	10.36	9.60	8.89	8.40	9.74	10.63
Tur/ Arhar	7.88	6.73	6.18	6.54	6.61	7.76	8.13	7.29	6.46	9.13	9.60
Total Pulses	4.41	5.78	5.44	6.91	6.99	7.89	7.64	7.28	6.55	7.86	8.41
Total Foodgrains	5.22	13.80	16.26	19.30	20.78	21.29	21.20	20.28	20.41	21.29	22.33
Sugarcane	334.22	653.95	685.78	700.91	716.68	682.54	705.22	715.11	707.20	690.01	796.50
Groundnut	7.75	9.04	9.77	14.11	13.23	9.95	17.64	15.52	14.65	13.98	18.68
Rapeseed & Mustard	3.68	9.04	9.36	11.85	11.21	12.62	11.85	10.83	11.83	13.04	13.97
Soybean	4.26	10.15	8.23	13.27	12.08	13.53	10.12	9.51	7.38	11.77	10.49
Sunflower	6.53	5.35	6.05	6.99	7.12	6.55	7.50	7.36	6.09	6.60	7.38
Total Oilseeds	4.81	7.71	8.10	11.93	11.33	11.68	11.68	10.75	9.68	11.95	12.70
Cotton	0.88	2.25	1.90	4.99	4.91	4.86	5.10	4.62	4.15	5.12	4.77
Tobacco	7.31	13.53	13.18	16.32	16.13	15.42	16.12	18.30	17.81	20.16	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

(Kg/hectare)

State/UT	Cereals					Pulses		
	2013-14	2014-15	2015-16	2016-17	2017-18*	2013-14	2014-15	2015-16
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Andhra Pradesh	3139	3269	3500	3690	3995	928	911	848
Arunachal Pradesh	1825	1924	1505	1733	NA	1155	1263	1015
Assam	1989	2095	2067	1922	2108	695	748	757
Bihar	2100	2067	2320	2596	2677	1044	859	845
Chhattisgarh	1717	1616	1481	2055	1270	573	818	609
Goa	2953	2870	2783	2774	NA	1102	944	754
Gujarat	2370	2226	2244	2309	2419	897	972	931
Haryana	3964	3480	3713	3789	3691	820	674	680
Himachal Pradesh	1970	1925	2144	2258	1910	1763	1232	1504
Jammu & Kashmir	1954	1298	1919	1774	1761	535	381	631
Jharkhand	2181	2135	1738	2161	2268	1021	1004	886
Karnataka	2105	2206	1949	1839	2028	641	601	403
Kerala	2549	2833	2787	2548	2636	1108	1131	1133
Madhya Pradesh	2051	2398	2564	2589	2650	861	876	903
Maharashtra	1420	1151	940	1442	1591	802	602	436
Manipur	1842	1576	1526	1812	NA	937	959	963
Meghalaya	2416	2601	2624	1871	NA	1126	1405	1442

(Contd.)

Table 5.4(b): (Contd.)

State/UT	Pulses		Oilseeds				
	2016-17	2017-18*	2013-14	2014-15	2015-16	2016-17	2017-18*
(1)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
Andhra Pradesh	659	870	929	557	954	581	1323
Arunachal Pradesh	1011	NA	958	971	1040	1040	NA
Assam	735	707	611	670	694	643	670
Bihar	936	884	1189	1093	1059	1155	1212
Chhattisgarh	858	693	640	599	501	572	461
Goa	1004	NA	2544	1899	2126	2352	NA
Gujarat	868	1018	2231	1920	1627	1725	2123
Haryana	897	979	1637	1456	1589	1832	2007
Himachal Pradesh	2019	1395	490	542	520	487	520
Jammu & Kashmir	547	529	895	682	599	523	648
Jharkhand	1002	1065	663	664	681	732	729
Karnataka	586	614	824	698	583	623	807
Kerala	984	934	980	1054	1049	125	957
Madhya Pradesh	944	1084	858	1093	841	1177	1046
Maharashtra	865	759	1276	672	579	1160	1010
Manipur	973	NA	840	863	847	858	NA
Meghalaya	1446	NA	1030	1071	1091	1051	NA

(Contd.)

Table 5.4(b): (Contd.)

State/UT	Cereals					Pulses		
	2013-14	2014-15	2015-16	2016-17	2017-18*	2013-14	2014-15	2015-16
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Mizoram	1509	1626	1615	1652	NA	1468	1416	1361
Nagaland	2142	2188	1666	1693	NA	1124	1146	1150
Odisha	1820	1968	1480	2141	1751	537	532	505
Punjab	4525	4078	4292	4373	4733	872	846	965
Rajasthan	1671	1865	1762	1804	1820	593	580	515
Sikkim	1647	1649	1562	1681	NA	925	925	954
Tamil Nadu	3114	3342	3810	1719	3919	752	852	631
Telangana	3200	3107	2863	3059	3321	-	644	508
Tripura	2772	2875	2897	2854	NA	719	718	673
Uttar Pradesh	2710	2152	2369	2703	2793	736	612	619
Uttarakhand	2083	1891	2079	2230	2345	869	821	821
West Bengal	2811	2773	2925	2817	2995	843	941	967
A & N Islands	2033	2079	2217	2572	NA	486	541	649
D & N Haveli	1771	1764	2312	2173	NA	898	897	1174
Delhi	4061	3908	3654	3653	NA	1500	NA	3270
Daman & Diu	1754	2621	1184	1132	NA	NA	NA	NA
Puducherry	3144	3160	2698	3210	NA	425	630	241
Others	NA	NA	4600	2500	2363	NA	NA	NA
All India	2462	2331	2393	2525	2661	764	728	655

(Contd.)

Table 5.4(b): (Contd.)

State/UT	Pulses		Oilseeds					
	2016-17	2017-18*	2013-14	2014-15	2015-16	2016-17	2017-18*	
(1)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	
Mizoram	1352	NA	1146	1117	1112	1140	NA	
Nagaland	1151	NA	1048	1048	1047	1050	NA	
Odisha	548	548	755	667	632	681	619	
Punjab	887	905	1335	1265	1318	1386	1467	
Rajasthan	604	635	1144	1192	1182	1351	1453	
Sikkim	961	NA	887	891	909	918	NA	
Tamil Nadu	544	635	2362	2374	2290	1870	2579	
Telangana	771	885	-	1270	1102	1385	1739	
Tripura	952	NA	759	793	771	814	NA	
Uttar Pradesh	871	974	810	698	670	876	1054	
Uttarakhand	869	877	1070	938	1100	929	931	
West Bengal	968	969	1181	1161	1168	1147	1198	
A & N Islands	304	NA	NA	NA	NA	NA	NA	
D & N Haveli	2035	NA	667	571	NA	366	NA	
Delhi	2120	NA	NA	NA	1260	1248	NA	
Daman & Diu	NA	NA	NA	NA	NA	NA	NA	
Puducherry	377	NA	1907	2280	2345	2511	NA	
Others	NA	1236	NA	NA	NA	NA	1064	
All India	786	841	1168	1075	968	1195	1270	

Source: Directorate of Economics & Statistics

*4th Advance Estimates., NA: Not Available

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

(Percentage)

Crop (1)	1950-51 (2)	1990-91 (3)	2000-01 (4)	2010-11* (5)	2011-12* (6)	2012-13* (7)	2013-14* (8)	2014-15* (9)
Rice	31.7	45.5	53.6	58.8	58.6	58.5	59.7	60.1
Jowar	3.0	5.6	7.9	8.7	9.7	9.7	9.6	9.9
Bajra	3.4	5.1	8.0	8.0	8.1	9.1	9.0	9.5
Maize	11.4	19.7	22.4	24.5	25.7	25.9	27.2	26.6
Wheat	34.0	81.1	88.1	92.2	93.0	93.5	93.6	94.2
Barley	NA	NA	65.5	69.9	74.8	76.4	76.6	80.3
Total Cereals	NA	NA	49.8	56.3	57.7	58.6	59.5	60.1
Gram	12.5	20.5	30.9	29.7	33.5	36.5	35.2	38.6
Tur or Arhar	0.5	5.5	4.2	4.0	3.8	3.9	4.3	4.0
Total Pulses	9.4	10.5	12.5	14.9	16.1	18.5	19.7	19.9
Total Foodgrains	18.1	35.1	43.4	48.1	49.8	51.3	51.9	53.1
Sugarcane	67.3	86.9	92.1	92.7	94.8	95.2	95.3	90.2
Groundnut	NA	18.6	17.6	21.8	24.3	25.3	25.8	26.7
Rapeseed & Mustard	NA	59.8	66.1	69.8	73.5	76.5	76.6	76.6
Soybean	NA	NA	1.4	0.6	0.6	0.6	0.6	0.7
Sunflower	NA	NA	27.6	31.2	32.3	29.0	28.6	30.1
Total Oilseeds	NA	22.9	23.0	24.9	27.5	28.2	27.3	27.4
Cotton	8.2	32.9	34.3	33.8	35.9	33.8	32.5	33.7
Tobacco	NA	43.2	52.8	46.4	51.0	53.8	51.6	58.8
Total area under all crops	NA	NA	40.2	45.0	46.9	47.5	47.7	48.6

Source: Land Use Statistics 2014-15, 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 2014-15 (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	97.1	15.0	89.5	2.0	66.5	92.4	49.5	18.7	19.9	50.5
Arunachal Pradesh	20.6	52.9	20.9	-	20.9	0.0	112.6	0.0	-	18.7
Assam	11.0	10.9	10.9	1.7	10.4	1.5	0.0	2.5	0.0	9.2
Bihar	65.0	94.9	75.2	4.5	69.8	79.3	68.2	57.2	-	68.7
Chhattisgarh	35.7	75.7	34.9	15.0	31.6	98.9	55.6	4.5	57.6	31.2
Goa	33.7	-	33.7	97.6	44.5	100.0	10.1	16.5	-	24.6
Gujarat*	61.5	90.8	52.5	13.1	45.4	94.5	91.9	29.8	58.7	47.1
Haryana	99.9	99.5	94.0	20.7	92.7	100.0	96.8	83.1	99.8	89.1
Himachal Pradesh*	66.1	21.8	21.4	12.3	21.0	54.1	17.3	16.4	100.0	21.0
Jammu & Kashmir*	90.5	28.5	40.9	13.5	40.2	40.9	40.5	69.7	-	42.8
Jharkhand	5.0	90.9	9.4	3.9	8.8	68.3	71.4	23.2	150.0	14.3
Karnataka	76.0	60.9	36.2	8.6	27.3	99.4	49.5	29.9	27.2	34.2
Kerala	76.1	0.0	75.9	0.0	74.6	99.9	14.2	20.8	0.0	17.9
Madhya Pradesh	34.2	93.4	67.2	42.8	59.7	99.9	88.4	5.3	60.4	43.3
Maharashtra*	26.1	73.9	21.0	10.9	18.0	70.5	81.6	3.2	2.7	18.2

(Contd.)

Table: 5.5(b): (Contd.)

(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)
Manipur*	30.7	0.0	27.3	0.0	24.4	0.0	0.0	0.0	-	18.0
Meghalaya	90.7	100.0	76.3	0.0	71.9	0.0	15.9	45.5	0.0	37.1
Mizoram	72.5	-	58.2	94.3	63.0	0.0	0.0	0.0	0.0	14.5
Nagaland	51.7	17.2	36.5	2.6	32.5	0.0	0.0	4.6	0.0	21.2
Odisha	33.3	100.0	32.0	2.2	29.0	100.0	100.0	12.7	-	28.7
Punjab	99.7	99.1	99.0	87.7	99.0	97.7	99.7	86.8	100.0	98.7
Rajasthan	68.6	99.6	41.3	20.7	35.9	98.4	97.0	63.8	95.2	42.0
Sikkim*	98.8	0.4	18.8	0.2	17.0	-	3.4	0.2	-	8.9
Tamil Nadu	94.4	100.0	71.8	10.9	56.8	100.0	54.5	66.5	26.5	56.6
Telangana	98.1	99.2	75.3	5.1	64.3	100.0	80.2	40.5	12.5	47.6
Tripura*	33.9	100.0	33.5	28.3	33.3	50.3	23.7	18.8	0.0	24.0
Uttarakhand	70.0	59.5	47.3	7.9	44.8	98.7	39.7	25.0	-	49.5
Uttar Pradesh	86.7	98.8	87.0	27.4	80.4	95.4	88.6	42.5	97.2	80.2
West Bengal*	46.9	98.7	49.7	15.0	48.4	84.6	89.5	79.1	80.0	58.8
All India	60.1	94.2	60.1	19.9	53.1	90.2	65.6	27.4	33.7	48.6

Source: Land Use Statistics 2014-15, 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

Area in '000 Hectare

Production in '000 Metric Tonnes

Crop	2016-17		2017-18*	
	Area	Production	Area	Production
(1)	(2)	(3)	(4)	(5)
Fruits				
Almond	12	7	11	9
Aonla/Gooseberry	93	1075	92	1063
Apple	305	2265	306	2371
Banana	860	30477	859	31083
Ber	50	545	49	506
Citrus				
(i) Lime/Lemon	248	2364	236	2506
(ii) Mandarin	410	4438	430	4982
(iii) Sweet Orange(Mosambi)	191	3209	183	3369
(iv) Others	136	1408	157	1654
Citrus Total (i to iv)	985	11419	1006	12510
Custardapple	44	383	49	410
Grapes	137	2922	140	2914
Guava	260	3826	268	3997
Jackfruit	150	1694	154	1742
Kiwi	4	12	4	12
Litchi	93	568	92	600
Mango	2212	19506	2288	21253
Muskmelon	50	1097	54	1213
Papaya	134	5940	143	6216
Passion Fruit	13	72	14	71
Peach	18	106	18	113
Pear	44	346	42	310
Picanut	1	0	1	0

(Contd.)

Table: 6.1: (Contd.)

Crop	2016-17		2017-18*	
	Area	Production	Area	Production
(1)	(2)	(3)	(4)	(5)
Pineapple	111	1861	116	1997
Plum	24	81	23	77
Pomegranate	216	2613	222	2634
Sapota	99	1236	102	1234
Strawberry	1	4	1	5
Walnut	112	287	108	295
Watermelon	91	2182	101	2478
Others	252	2392	251	1940
Total Fruits	6373	92918	6514	97055
Vegetables				
Beans	198	2012	207	2128
Bittergourd	95	1030	95	1087
Bottlegourd	153	2529	156	2608
Brinjal	733	12510	736	12826
Cabbage	395	8807	402	9035
Capsicum	24	306	25	313
Carrot	86	1350	90	1512
Cauliflower	454	8557	459	8800
Cucumber	74	1142	80	1261
Chillies (Green)	316	3634	286	3631
Elephant Foot Yam	29	748	60	650
Mushroom	182	441	198	470
Okra/Ladyfinger	507	6003	514	6126
Onion	1306	22427	1315	22071
Parmal/Pointed gourd	18	268	20	316
Peas	530	5345	543	5430
Potato	2179	48605	2151	48529

(Contd.)

Table: 6.1: (Contd.)

Crop	2016-17		2017-18*	
	Area	Production	Area	Production
(1)	(2)	(3)	(4)	(5)
Radish	203	2898	211	3074
Pumpkin/Sitaphal/Kaddu	74	1664	75	1647
Sweet Potato	128	1460	134	1503
Tapioca	199	4171	228	4651
Tomato	797	20708	786	19377
Others	1558	21557	1611	22648
Total Vegetables	10238	178172	10383	179692
Aromatic	664	972	748	1195
Flowers Cut		693		769
Flowers Loose	306	1699	342	1760
Total Flowers	306	2392	342	2529
Honey		95		105
Plantation crops				
Arecanut	455	723	495	809
Cashewnut	978	745	1062	817
Cocoa	83	19	89	20
Coconut	2082	16486	2079	16228
Total Plantation	3598	17972	3725	17874
Spices				
Ajwain	31	27	36	25
Cardamom	85	28	84	29
Chillies (Dried)	840	2096	809	2301
Cinnamon/Tejpata	3	5	3	5
Celery,Dill & Poppy	36	35	36	36
Clove	2	1	2	1
Coriander	674	883	664	861
Cumin	781	493	781	500

(Contd.)

Table: 6.1: (Contd.)

Crop	2016-17		2017-18*	
	Area	Production	Area	Production
(1)	(2)	(3)	(4)	(5)
Fenugreek	210	297	219	295
Fennel	91	153	90	149
Garlic	321	1693	303	1721
Ginger	168	1070	161	1048
Nutmeg	23	15	23	14
Pepper	132	72	136	70
Vanilla	4	0	5	0
Tamarind	49	197	50	203
Turmeric	222	1056	223	1077
Mint (Metha)			328	35
Total Spices	3671	8122	3950	8369
Grand Total	24851	300643	25662	306818

Source : Department of Agriculture, Cooperation & Farmers Welfare

* 3rd Advance Estimates

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*	2.15	48.53	22558	1.32	22.07	16781

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*	0.86	31.08	36196

Source : Department of Agriculture, Cooperation & Farmers Welfare

* 3rd Advance Estimates

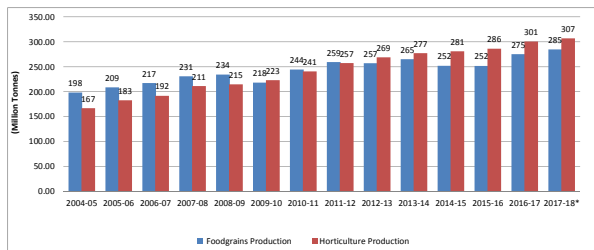
Table: 6.4 Foodgrain and Horticulture Production in India

(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*	284.83	306.82

Source: Department of Agriculture, Cooperation & Farmers Welfare

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

Chart 6(a): Foodgrain and Horticulture Production

Source: Department of Agriculture, Cooperation & Farmers Welfare

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

(₹ in '00 crore)

Crop (1)	2011-12 (2)	2012-13 (3)	2013-14 (4)	2014-15 (5)	2015-16 (6)	2016-17 (7)
i) Total Fruits & Vegetables	2657	2793	2929	3042	3097	3204
ii) Total Condiments & Spices	385	377	416	442	425	509
iii) Total Floriculture	174	173	178	170	194	212
iv) Total Plantation crops	257	253	255	267	266	283
Total Horticulture crops (i+ii+iii+iv)	3473	3596	3778	3921	3982	4208
All Agricultural crops	11915	11986	12571	12280	12031	12784
Share of Horticulture crops in All Agricultural crops (%)	29.15	30.00	30.05	31.93	33.10	32.91

Source: National Accounts Statistics- 2018, CSO

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

(₹ in '00 crore)

Crop (1)	2011-12 (2)	2012-13 (3)	2013-14 (4)	2014-15 (5)	2015-16 (6)	2016-17 (7)
i) Total Fruits & Vegetables	2657	3155	3877	4512	4490	4754
ii) Total Condiments & Spices	385	379	475	586	663	832
iii) Total Floriculture	174	193	213	203	234	240
iv) Total Plantation crops	257	241	309	433	438	431
Total Horticulture crops (i+ii+iii+iv)	3473	3967	4873	5734	5824	6257
All Agricultural crops	11915	13296	15334	15955	16395	18634
Share of Horticulture crops in All Agricultural crops (%)	29.15	29.84	31.78	35.94	35.53	33.58

Source: National Accounts Statistics- 2018, CSO



7 LIVESTOCK STATISTICS

Table 7.1: Livestock Population in India

(Million Numbers)

Species (1)	1951 (2)	1982 (3)	1987 (4)	1992 (5)	1997 (6)	2003 (7)	2007 (8)	2012 (9)
Cattle	155.30	192.45	199.69	204.58	198.88	185.18	199.08	190.90
Buffalo	43.40	69.78	75.97	84.21	89.92	97.92	105.34	108.70
Total Bovines	198.70	262.36	275.82	289.00	289.00	283.10	304.76	299.98
Sheep	39.10	48.76	45.70	50.78	57.49	61.47	71.56	65.07
Goats	47.20	95.25	110.21	115.28	122.72	124.36	140.54	135.17
Horses & Ponies	1.50	0.90	0.80	0.82	0.83	0.75	0.61	0.63
Camels	0.60	1.08	1.00	1.03	0.91	0.63	0.52	0.40
Pigs	4.40	10.07	10.63	12.79	13.29	13.52	11.13	10.29
Mules	0.06	0.13	0.17	0.19	0.22	0.18	0.14	0.20
Donkeys	1.30	1.02	0.96	0.97	0.88	0.65	0.44	0.32
Yaks	NC	0.13	0.04	0.06	0.06	0.06	0.08	0.08
Total Livestock	292.80	419.59	445.29	470.86	485.39	485.00	529.70	512.06
Poultry	73.50	207.74	275.32	307.07	347.61	489.1	648.88	729.21
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 & Fisheries.

NC : Not Collected

Note: Total may not tally due to rounding off

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

(Million Tonnes)

Year	Milk	Eggs	Wool
	(Million Tonnes)	(Billion Nos.)	(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	163.7	88.1	43.5
2017-18 (P)	176.3	95.2	41.5

Source: Department of Animal Husbandry, Dairying & Fisheries.

(P): Provisional

Table 7.3: Fish Production in India

('000 Tonnes)

Year	Marine	Inland	Total
(1)	(2)	(3)	(4)
1990-91	2300	1536	3836
2000-01	2811	2845	5656
2009-10	3104	4894	7998
2010-11	3250	4981	8231
2011-12	3372	5294	8666
2012-13	3321	5719	9040
2013-14	3443	6136	9579
2014-15	3569	6691	10260
2015-16	3600	7162	10762
2016-17	3641	7781	11422
2017-18 (P)	3688	8917	12606

Source: Department of Animal Husbandry Dairying & Fisheries

(P): Provisional



8 AGRICULTURAL INPUTS & COST

Table 8.1: Production and use of Agricultural Inputs in India

Input (1)	Unit (2)	2000-01 (3)	2010-11 (4)	2011-12 (5)	2012-13 (6)	2013-14 (7)	2014-15 (8)	2015-16 (9)	2016-17 (10)	2017-18 (11)
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
(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
(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
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
Phosphatic(P)	Lakh Tonnes	42.15	80.50	79.14	66.53	56.33	60.98	69.79	67.05	68.54
Potassic(K)	Lakh Tonnes	15.67	35.14	25.76	20.62	20.99	25.32	24.02	25.08	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
Per Hectare	Kgs.	89.63	142.52	142.33	130.79	121.83	128.94	130.66	123.41	128.02
3. Consumption of Pesticides (Technical Grade Material)	Thousand Tonnes	43.58	55.54	52.98	45.62	60.28	56.12	54.12	52.75	58.16

Source: Department of Agriculture, Cooperation & Farmers Welfare

Table 8.2: Crop-wise requirement and availability of Certified/Quality Seeds

(Lakh Quintals)

Crop	2015-16					2016-17					2017-18				
	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	113.46	51.25	66.73	117.98	117.55	61.67	74.91	136.58	121.26	55.40	94.37	149.77			
Paddy	82.86	47.96	47.14	95.1	87.74	63.14	37.33	100.47	89.50	52.47	51.60	104.07			
Ragi	0.32	0.47	0.07	0.53	0.34	0.43	0.13	0.56	0.30	0.35	0.13	0.47			
Barley	2.25	0.69	2.48	3.17	2.44	0.58	2.37	2.95	2.30	1.07	2.41	3.48			
Maize	10.7	0.73	11.96	12.69	12.47	1.67	11.87	13.54	14.46	1.36	14.32	15.68			
Bajra	2.55	0.27	2.57	2.84	2.36	0.25	2.39	2.64	2.86	0.16	3.05	3.20			
Jowar	2.95	0.77	2.39	3.16	2.82	0.80	2.09	2.89	3.34	0.99	2.53	3.52			
Other Cereals	0.05	0.01	0.06	0.06	0.07	0.04	0.05	0.09	0.28	0.14	0.16	0.30			
Total	215.15	102.14	133.39	235.53	225.79	128.58	131.14	259.72	234.31	111.92	168.57	280.49			
Gram	18.14	7.3	7.56	14.86	17.65	9.95	6.05	16.00	17.16	14.57	4.69	19.27			
Urad	2.62	1.36	1.36	2.71	2.67	1.79	1.11	2.90	2.74	2.70	1.04	3.74			
Cowpea	0.26	0.14	0.15	0.29	0.19	0.14	0.09	0.23	0.27	0.15	0.13	0.28			
Moong	2.87	1.63	1.6	3.23	2.68	1.90	1.37	3.27	2.41	1.79	1.36	3.14			
Horse Gram	0.24	0.04	0.18	0.22	0.26	0.26	0.10	0.36	0.20	0.05	0.12	0.17			
Lentil	1.3	0.35	0.71	1.06	1.47	0.44	0.72	1.16	1.37	0.78	0.58	1.36			
Lathyrus	0	0.01	0	0.01	0.08	0.05	0.03	0.08	0.01	0.02	0.00	0.02			

(Contd.)

Table 8.2: (Contd.)

Crop	2015-16					2016-17					2017-18				
	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)			
Peas	2.12	0.59	1.24	1.83	2.67	1.41	1.50	2.91	2.39	0.82	1.54	2.36			
Grain Amaranthus	0	0	0	0				0.00	0.00	0.00	0.00	0.00			
Moth	0.21	0.02	0.11	0.13	0.20	0.11	0.10	0.21	0.19	0.17	0.07	0.24			
Arhar	2.51	1.11	1.6	2.72	2.71	1.32	1.65	2.97	3.31	1.59	2.22	3.81			
Rajma	0.06	0.03	0.03	0.06	0.02	0.04		0.04	0.22	0.10	0.11	0.21			
Kehsari	0.06	0.03	0.03	0.06				0.00	0.00	0.00	0.00	0.00			
Indian bean	0.08	0.01	0.07	0.08	0.21	0.04	0.17	0.21	0.01	0.00	0.01	0.01			
Rice bean	0	0	0	0	0.01	0.01		0.01	0.01	0.01	0.00	0.01			
Faba bean					0.01	0.01		0.01	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			
Other Local Pulses					0.00			0.00	0.00	0.00	0.00	0.00			
Total	30.49	12.61	14.63	27.24	31.64	17.64	13.66	31.30	31.07	22.90	12.56	35.46			
Castor	0.61	0.16	0.47	0.62	0.58	0.11	0.73	0.84	0.60	0.17	0.47	0.63			
R/Mustard	2.52	1.19	1.46	2.65	2.49	1.24	1.23	2.47	2.32	1.08	1.47	2.55			
Groundnut	24.3	(18)	11.72	23.64	23.48	15.78	9.38	25.16	24.29	15.80	9.22	25.01			
Niger	0.01	0.01	0	0.01	0.01	0.01	0	0.01	0.01	0.01	0.01	0.02			

(Contd.)

Table 8.2: (Contd.)

Crop	2015-16				2016-17				2017-18			
	Require- ment	Availability			Require- ment	Availability			Require- ment	Availability		
(1)	(2)	Public	Private	Total	(6)	Public	Private	Total	(10)	Public	Private	Total
Til	0.32	0.16	0.21	0.36	0.28	0.22	0.18	0.40	0.49	0.13	0.38	0.51
Linseed	0.08	0.01	0.03	0.04	0.13	0.07	0.04	0.11	0.08	0.01	0.04	0.05
Soybean	31.02	11.4	12.04	23.45	29.00	12.62	17.02	29.64	35.65	15.57	24.68	40.25
Sunflower	0.48	0.04	0.47	0.51	0.39	0.01	0.39	0.40	0.20	0.01	0.20	0.21
Safflower	0.1	0.02	0.09	0.11	0.12	0.02	0.11	0.13	0.11	0.01	0.11	0.12
Total	59.45	24.9	26.49	51.39	56.48	30.08	29.08	59.16	63.74	32.79	36.58	69.36
Cotton	1.95	0.22	1.86	2.08	2.22	0.13	2.22	2.35	3.17	0.07	3.40	3.46
Jute/Mesta	0.36	0.11	0.03	0.14	0.43	0.3	0.08	0.38	0.50	0.34	0.10	0.44
Total	2.31	0.33	1.89	2.22	2.65	0.43	2.30	2.73	3.66	0.40	3.50	3.91
Potato	28.64	6.91	19.19	26.1	36.53	7.26	19.82	27.09	38.22	11.02	18.86	29.88
Fodders	1.05	0.39	0.65	1.05	0.37	0.25	0.09	0.34	0.37	0.29	0.02	0.31
Grand Total	337.09	147.28	196.24	343.52	353.46	184.24	196.09	380.34	371.38	179.33	240.08	419.41

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	2010-11		2011-12		2012-13		2013-14	
		Req.	Av.	Req.	Av.	Req.	Av.	Req.	Av.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1	Paddy	9.80	10.90	9.90	9.20	31.60	31.30	42.80	34.20
2	Maize	75.40	92.20	101.70	122.00	97.00	103.40	94.00	96.60
3	Jowar	11.50	13.90	13.00	13.90	13.20	13.90	7.90	10.20
4	Bajra	21.90	26.00	24.60	28.40	24.00	27.10	23.60	33.20
5	Arhar	0.06	0.06	0.02	0.02	0.00	0.01	0.00	0.00
6	Sunflower	5.80	6.30	6.90	9.60	6.40	6.60	4.90	5.40
7	Safflower	0.05	0.00	0.01	0.00	0.00	0.00	0.00	0.00
8	Castor	2.50	3.10	3.37	4.50	4.00	4.30	3.40	4.30
9	Cotton	14.40	15.60	19.50	22.50	22.40	25.40	15.90	17.90
	Total	141.41	168.06	179.00	210.12	198.60	212.01	192.50	201.80

(Contd.)

Table 8.3: (Contd.)

(Thousand Tonnes)

S.No.	Crop	2014-15		2015-16		2016-17		2017-18	
		Req.	Av.	Req.	Av.	Req.	Av.	Req.	Av.
(1)	(2)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
1	Paddy	15.10	19.50	38.50	61.40	19.21	22.09	52.37	58.52
2	Maize	93.50	106.90	101.60	120.50	100.20	125.29	113.44	129.63
3	Jowar	15.60	19.00	17.70	20.00	13.25	19.57	16.53	18.22
4	Bajra	21.00	24.80	24.10	26.60	19.64	24.98	25.93	28.81
5	Arhar	0.09	0.09	0.10	0.00	0.00	0.00	0.36	0.46
6	Sunflower	2.90	3.00	4.40	4.60	6.10	6.26	0.77	0.85
7	Safflower	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.03
8	Castor	7.10	8.40	6.00	6.10	4.91	5.78	5.23	5.49
9	Cotton	17.90	21.70	18.70	19.80	18.36	19.73	19.87	22.27
	Total	173.19	203.39	211.10	259.00	181.68	223.69	234.54	264.28

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	33.88	21.29	23.18	78.35	7024.32
2017-18	169.58	68.54	27.79	265.91	133.86	47.23	181.09	35.88	20.47	28.95	85.30	8350.94*

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

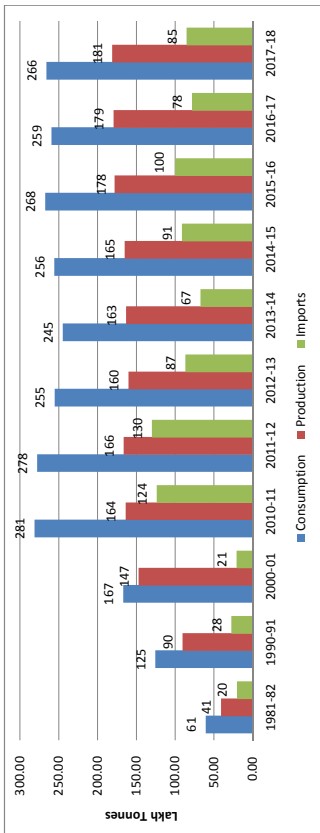
There was no import of Urea in 2000-01 on Government account.

* Exchange rate taken as 1 USD = ₹ 64.45

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 Import of Fertilizers in India



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

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

(Thousand Tonnes and Kgs. per Hectare)

S.No. (1)	State/Zone (2)	2013-14 (3)	2014-15 (4)	2015-16 (5)	2016-17 (6)	2017-18 (7)
1	South Zone	6004.82 (170.35)	5985.38 (176.43)	6177.58 (179.46)	5788.00 (166.43)	5724.28 (160.34)
2	West Zone	8042.24 (87.55)	8205.58 (90.97)	8382.02 (93.85)	8426.41 (90.38)	8560.03 (92.48)
3	North Zone	7039.97 (162.03)	7634.61 (174.42)	7906.44 (174.47)	7805.66 (170.18)	8087.75 (175.62)
4	East Zone	3078.25 (128.06)	3427.26 (142.27)	4001.47 (140.90)	3653.88 (125.07)	3923.23 (137.15)
5	North East Zone	317.13 (49.95)	323.29 (50.74)	285.09 (39.01)	275.2 (38.41)	295.61 (61.77)
6	All India	24482.41 (121.83)	25576.12 (128.94)	26752.61 (130.66)	25949.15 (123.41)	26590.9 (128.02)

Source: Department of Agriculture, Cooperation & Farmers Welfare

Note : Figures in parentheses indicate estimated consumption of fertilizers (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 30-06-2018)

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 Printed (Cycle-I)	No. of SHCs Distributed (Cycle-I)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Group - I							
1	Uttar Pradesh **	4770399	4770399	4770399	16991346	16991346	16991346
2	Maharashtra	2347121	2347121	2347121	12977232	12977232	12977232
3	Madhya Pradesh *	2313977	2313977	2313977	8872377	8872377	8872377
4	Rajasthan *	2308013	2308013	2308013	6886000	6886000	6886000
Group - II							
1	Karnataka *	1665765	1665765	1665765	7832189	7832189	7832189
2	Gujarat *	1589236	1589236	1589236	5108923	5108923	5108923
3	Andhra Pradesh	1348382	1348382	1348382	7455204	7455204	7455204
4	Bihar *	1308778	1308778	1308778	6469650	6469650	6469650
5	West Bengal *	1300349	1300349	1300349	5040510	5040510	5040510
6	Tamil Nadu *	1274536	1274536	1274536	7000000	7000000	7000000
7	Telangana	1034678	1034678	1034678	5720737	5720737	5720737
Group - III							
1	Punjab *	835526	835526	835526	1251726	1251726	1251726

(Contd.)

Table: 8.6(a): (Contd.)

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 Printed (Cycle-I)	No. of SHCs Distributed (Cycle-I)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
2	Haryana *	788670	788670	788670	4227238	4227238	4227238
3	Chhattisgarh	703691	703691	703691	3890709	3890709	3890709
4	Odisha *	668635	668635	668635	2374233	2374233	2374233
Group - IV							
1	Kerala	127585	127585	127585	763435	763435	763435
2	Goa *	25000	25000	25000	25000	25000	25000
3	Uttarakhand	135738	135738	135738	750494	750494	750494
4	Himachal Pradesh	69635	69635	69635	385011	385011	385011
5	J & K *	160687	160687	160687	692062	692062	692062
6	Jharkhand	115302	115302	115302	637507	637507	637507
7	Arunachal Pradesh *	20532	20532	20532	20532	20532	20532
8	Assam*	278707	278707	278707	1300901	1300901	1300901
9	Manipur	20713	20713	20713	114522	114522	114522
10	Meghalaya *	39372	39372	39372	209561	209561	209561
11	Mizoram	11986	11986	11986	11986	11986	11986

(Contd.)

Table: 8.6(a): (Contd.)

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 Printed (Cycle-I)	No. of SHCs Distributed (Cycle-I)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
12	Nagaland	33423	33423	33423	184797	184797	184797
13	Sikkim *	13217	13217	13217	46000	46000	46000
14	Tripura *	32736	32736	32736	117723	117723	117723
Union Territories							
1	Andaman & Nicobar *	1405	1405	1405	10000	10000	10000
2	Dadra and Nagar Haveli *	2222	2222	2222	2222	2222	2222
3	Puducherry	3530	3530	3530	19594	19594	19594
Total		25349546	25349546	25349546	107389421	107389421	107389421

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 2018)

(Status as on 13.11.2018)

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)	No. of SHCs Printed (Cycle-II)	No. of SHCs Distributed (Cycle-II)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Group - I							
1	Uttar Pradesh	4867442	4799725	3822417	23325456	13045920	13045920
2	Maharashtra	2851525	2851525	2355659	13698965	7178611	6666047
3	Madhya Pradesh	2315844	2107418	1800047	8872453	5620000	5573675
4	Rajasthan	2865039	2357000	1975000	7619498	5459000	4516000
Group - II							
1	Karnataka	1665766	1567191	1346814	7832189	4620351	4140407
2	Gujarat	1683000	1655130	943408	7897000	4372217	4254520
3	Andhra Pradesh	1357706	1357706	1246486	6967163	3695925	3695925
4	Bihar	1308778	1266473	587001	7236232	2135795	2057670
5	West Bengal	1300349	876000	542000	5100000	2102000	1370000
6	Tamil Nadu	1300037	1293925	979363	6974843	4504077	4243648
7	Telangana	960614	932515	624863	4976924	2164073	2164073
Group - III							
1	Punjab	835526	754553	422978	1052554	486675	373195

(Contd.)

Table: 8.6(b): (Contd.)

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)	No. of SHCs Printed (Cycle-II)	No. of SHCs Distributed (Cycle-II)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
2	Haryana	1245100	1175686	507627	4540969	949721	615017
3	Chhattisgarh	949334	880890	759933	4746670	3814635	3719054
4	Odisha	668636	474231	395039	3343180	1026725	965222
Group - IV							
1	Kerala	206784	80095	62638	1120000	747213	673960
2	Goa	20000	12000	12000	20000	12000	12000
3	Uttarakhand	137019	121860	118931	912650	677817	609078
4	Himachal Pradesh	100000	100000	100000	960765	663433	663433
5	J & K	165318	110273	83392	914044	555557	490827
6	Jharkhand	115302	71740	60845	637508	193185	193185
7	Arunachal Pradesh	22128	14722	8005	44256	55	0
8	Assam	284778	104378	9068	1300901	107573	0
9	Manipur	20714	6500	4170	114522	15000	15000
10	Meghalaya	39372	32512	31593	215232	160766	156914
11	Mizoram	11986	8292	7490	23546	8191	8191

(Contd.)

Table: 8.6(b): (Contd.)

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)	No. of SHCs Printed (Cycle-II)	No. of SHCs Distributed (Cycle-II)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
12	Nagaland	22282	22282	22282	22282	22282	22282
13	Sikkim	15243	6609	3079	66000	0	0
14	Tripura	32736	31863	27179	117723	89279	89279
Union Territories							
1	Andaman & Nicobar	2176	1406	1406	11804	5900	5900
2	Dadra and Nagar Haveli	2838	2816	0	12000	0	0
3	Puducherry	7060	4301	4301	12000	2200	2200
Total		27380432	25081617	18865014	120689329	64436176	60342622

Source: Department of Agriculture, Cooperation & Farmers Welfare

Table 8.7: Consumption of Electricity for Agricultural Purposes

Year	Consumption for Agricultural Purposes	Total Consumption	Share of Agricultural Consumption to Total
	(GWh)	(GWh)	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

Source: Central Electricity Authority, Delhi

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

Year	Tractor Sales (No.)	Power Tiller Sales (No.)
(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
Total	7058155	572231

Source: Indian Council of Agricultural Research (ICAR)

Table 8.9: Flow of Institutional Credit to Agriculture Sector

(Status as on 13.11.2018)
(₹ crore)

Particulars/Agency (1)	2007-08 (2)	2008-09 (3)	2009-10 (4)	2010-11 (5)	2011-12 (6)	2012-13 (7)
I. Production (ST) Credit						
Co-operative Banks	43294	40164	56946	69038	81829	102592
RRBs	21133	22413	29802	38121	47401	55957
Commercial Banks	116966	147818	189908	228391	266928	314951
Other Agencies		66				
Sub Total (A)	181393	210461	276656	335550	396158	473500
II. MT/LT Credit						
Co-operative Banks	4964	5802	6551	9083	6134	8611
RRBs	4179	4352	5415	6172	7049	7724
Commercial Banks	64122	81133	95892	117486	101688	117540
Other Agencies		160				
Sub Total (B)	73265	91447	107858	132741	114871	133875
Total Credit (ST + MT/LT)						
Co-operative Banks	48258	45966	63497	78121	87963	111203
RRBs	25312	26765	35217	44293	54450	63681
Commercial Banks	181088	228951	285800	345877	368616	432491
Other Agencies		226				
Grand Total (A+B)	254658	301908	384514	468291	511029	607375

(Contd.)

Table 8.9: (Contd.)

(Status as on 13.11.2018)
(₹ crore)

Particulars/Agency (1)	2013-14* (8)	2014-15* (9)	2015-16* (10)	2016-17* (11)	2017-18#(P) (12)
I. Production (ST) Credit					
Co-operative Banks	113574	130350	143803	131880	138348
RRBs	70697	89326	101579	105001	119546
Commercial Banks	364164	415736	419930	452576	497078
Other Agencies					
Sub Total (A)	548435	635412	665312	689457	754972
II. MT/LT Credit					
Co-operative Banks	6389	8119	9492	10878	12041
RRBs	11956	13157	17681	18215	21413
Commercial Banks	163342	188640	223024	347205	380077
Other Agencies					
Sub Total (B)	181687	209916	250197	376298	413531
Total Credit (ST + MT/LT)					
Co-operative Banks	119963	138469	153295	142758	150389
RRBs	82653	102483	119260	123216	140959
Commercial Banks	527506	604376	642954	799781	877155
Other Agencies					
Grand Total (A+B)	730122	845328	915509	1065755	1168503

Source: Department of Agriculture, Cooperation & Farmers Welfare

* Figures have been revised based on the updated information from the respective agencies.

Data submitted by banks on ENSURE portal of NABARD

ST: Short Term

MT: Medium Term

LT: Long Term

P: Provisional

Table 8.10: State-wise Agricultural Loan Disbursed in 2017-18

(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	7335	653938.57	18466	1305860.60	25801	1959799.17
2	Haryana	2630643	3884376.61	302225	1666695.25	2932868	5551071.86
3	Himachal Pradesh	1188195	1090641.71	235083	343277.77	1423278	1433919.48
4	Jammu & Kashmir	827788	924862.13	48542	205310.85	876330	1130172.98
5	Punjab	2678028	5298693.13	441836	2021457.83	3119864	7320150.96
6	Rajasthan	6553192	6359453.89	706918	1739522.94	7260110	8098976.83
7	Chandigarh UT	2420	129425.74	12005	106392.70	14425	235818.44
8	Arunachal Pradesh	4473	2672.31	1394	5669.78	5867	8342.09
9	Assam	386619	150700.21	653893	524913.63	1040512	675613.84
10	Manipur	8213	3754.31	15189	23525.73	23402	27280.04
11	Meghalaya	38644	28662.96	6013	6410.66	44657	35073.62
12	Mizoram	5228	2324.91	10792	15168.70	16020	17493.61
13	Nagaland	30984	8263.27	4196	12238.44	35180	20501.71
14	Sikkim	5673	6575.12	4422	5924.16	10095	12499.28
15	Tripura	88618	70474.85	245578	162097.76	334196	232572.61

(Contd.)

Table 8.10: (Contd.)

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)
16	A & N Island	3799	4205.19	8568	7818.32	12367	12023.51
17	Bihar	2923708	1443529.59	1487955	1255143.78	4411663	2698673.37
18	Jharkhand	644055	210042.59	177540	168050.80	821595	378093.39
19	Odisha	4222317	1565007.16	845347	712714.29	5067664	2277721.45
20	West Bengal	2520520	1484862.62	2667876	2607160.59	5188396	4092023.21
21	Chhattisgarh	1496502	1085310.57	454897	434612.19	1951399	1519922.76
22	Madhya Pradesh	6659054	4598690.12	757577	1444498.35	7416631	6043188.47
23	Uttarakhand	493231	469270.49	120186	318856.75	613417	788127.24
24	Uttar Pradesh	8912097	6251162.20	1040390	2262452.54	9952487	8513614.74
25	Goa	24597	33929.15	33362	90621.49	57959	124550.64
26	Gujarat	3114234	3967145.51	606787	2301147.94	3721021	6268293.45
27	Maharashtra	4087021	2697318.50	1165167	4974947.60	5252188	7672266.10
28	Dadra & Nagar Haveli UT	1229	1304.20	912	5280.02	2141	6584.22
29	Daman & Diu UT	563	1215.66	828	2110.30	1391	3325.96
30	Andhra Pradesh	11029489	7970017.76	1841382	3372729.98	12870871	11342747.74
31	Telangana	4389628	4495791.77	503771	1394959.64	4893399	5890751.41

(Contd.)

Table 8.10: (Contd.)

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)
32	Karnataka	5046831	4415231.04	2311308	3523145.98	7358139	7938377.02
33	Kerala	6197462	5475965.97	1339230	2941741.72	7536692	8417707.69
34	Puducherry	265790	184606.14	67928	76192.52	333718	260798.66
35	Tamil Nadu	15091315	10527636.06	4195901	5314064.40	19287216	15841700.46
36	Lakshadweep UT	93	50.78	270	454.92	363	505.70
	Total	91579588	75497112.79	22333734	41353170.92	113913322	116850283.71

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 2018
(Amount in Rs. 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
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1	A & N Islands	0.05	2.80	0.09	13.57	0.00	0.00	0.15	16.37
2	Andhra Pradesh	139.04	22769.02	24.14	7229.56	18.26	8045.52	181.44	38044.10
3	Arunachal Pradesh	0.41	58.08	0.01	1.97	0.07	13.21	0.49	73.26
4	Assam	14.25	3394.09	0.04	13.94	7.47	1004.32	21.76	4412.35
5	Bihar	43.07	9275.56	2.08	327.29	37.85	9283.46	83.00	18886.31
6	Chandigarh	0.10	238.36	0.00	0.00	0.00	0.00	0.10	238.36
7	Chhattisgarh	6.46	4045.14	21.73	1985.17	4.16	1027.60	32.34	7057.91
8	Dadra & Nagar Haveli	0.02	9.46	0.00	0.00	0.00	0.00	0.02	9.46
9	Daman & Diu	0.01	6.55	0.00	0.00	0.00	0.00	0.01	6.55
10	Delhi	0.40	49.00	0.01	12.23	0.00	0.00	0.40	61.23
11	Goa	0.26	127.49	0.04	20.11	0.00	0.00	0.29	147.60
12	Gujarat	27.56	25471.00	21.33	10437.44	6.75	63817.09	55.64	99725.53
13	Haryana	20.81	26604.55	18.51	9052.73	5.42	5606.52	44.73	41263.80
14	Himachal Pradesh	4.47	3415.25	1.43	1256.13	0.92	443.74	6.83	5115.12
15	Jammu & Kashmir	5.45	3730.51	0.16	60.40	1.44	574.89	7.05	4365.80
16	Jharkhand	17.38	2425.78	0.39	33.07	8.79	1376.51	26.56	3835.36
17	Karnataka	55.79	21408.39	39.32	11291.69	17.87	8803.02	112.99	41503.10
18	Kerala	21.78	8892.99	13.28	2941.26	3.59	1239.86	38.65	13074.11
19	Lakshadweep	0.03	2.40	0.00	0.00	0.00	0.00	0.03	2.40
20	Madhya Pradesh	38.88	35689.54	85.53	16231.35	11.72	6619.35	136.13	58540.24

(Contd.)

Table 8.11: (Contd.)

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
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
21	Maharashtra	72.98	26782.71	63.70	19822.12	8.42	2295.19	145.09	48900.02
22	Manipur	0.50	108.52	0.00	0.68	0.20	25.12	0.70	134.32
23	Meghalaya	1.52	374.06	0.25	31.52	0.45	90.29	2.21	495.87
24	Mizoram	0.37	76.51	0.02	6.58	0.19	67.17	0.58	150.26
25	Nagaland	0.94	140.44	0.06	13.56	0.02	1.70	1.02	155.70
26	Odisha	29.80	3596.80	53.45	8996.62	13.88	2535.66	97.13	15129.08
27	Puducherry	1.43	96.75	0.09	4.06	0.03	10.25	1.55	111.06
28	Punjab	26.89	46491.50	14.84	7172.79	3.03	4194.08	44.76	57858.37
29	Rajasthan	38.41	50654.79	52.17	11915.55	14.21	12436.46	104.79	75006.80
30	Sikkim	0.29	27.42	0.13	11.09	0.00	0.00	0.41	38.51
31	Tamil nadu	75.51	11150.04	20.01	4297.77	7.26	2055.17	102.77	17502.98
32	Telangana	72.46	16312.77	15.73	2931.68	27.43	7843.26	115.62	27087.71
33	Tripura	5.34	389.31	1.18	73.46	2.56	159.14	9.07	621.91
34	Uttarakhand	14.20	4620.12	5.26	1016.64	1.09	300.89	20.56	5937.65
35	Uttar Pradesh	130.03	56258.52	66.96	5731.43	74.61	27229.15	271.61	89219.10
36	West Bengal	60.12	6437.86	28.26	3674.68	11.82	1342.10	100.20	11454.64
	Total	926.99	391134.08	550.21	126608.14	289.49	168440.72	1766.68	686182.94

Source: Department of Agriculture, Cooperation & Farmers Welfare

Table 8.12: State-wise progress under Pradhan Mantri Fasal Bima Yojana (PMFBY) - Cumulative upto Rabi 2017-18

(₹ in lakh)

S.No.	State / UTs	No. of Farmers covered	Area Insured (In Ha.)	Sum Insured	Farmers' Premium	Gol Premium (Share)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1	Andhra Pradesh	2070909	1762127.38	1204050.23	28176.42	44286.31
2	Andaman & Nicobar Islands	688	501.58	94.23	0.94	1.59
3	Arunachal Pradesh					
4	Assam	65808	47539.60	29477.68	623.42	400.49
5	Bihar	4708756	4330124.13	2069805.77	36130.29	92101.51
6	Chhatisgarh	3006604	4633625.97	1406163.71	27144.06	20195.04
7	Dadra & Nagar Haveli					
8	Daman & Diu					
9	Goa	143	88.05	63.83	1.27	0.09
10	Gujarat	3367246	5178233.98	2215890.08	55253.89	216379.06
11	Haryana	2689605	4016730.35	2403107.89	40500.81	16208.24
12	Himachal Pradesh	491405	163072.71	61865.22	924.54	959.17
13	Jammu & Kashmir	152143	152566.49	48530.90	899.94	1599.32
14	Jharkhand	2077676	675615.10	351873.76	6840.96	21036.58
15	Karnataka	4212496	4346912.98	1752076.74	42346.00	132194.25
16	Kerala	34110	30025.05	28337.10	572.25	321.98

(Contd.)

Table 8.12: (Contd.)

S.No.	State / UTs	No. of Farmers covered	Area Insured (In Ha.)	Sum Insured	Farmers' Premium	Gol Premium (Share)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
17	Lakshadweep					
18	Madhya Pradesh	13358486	24197236.55	7790373.53	140410.06	346193.76
19	Maharashtra	21791250	12792524.47	3953493.14	98514.94	315557.10
20	Manipur	17475	27785.78	8671.14	148.54	202.42
21	Meghalaya	3034	3436.29	2724.11	102.22	21.99
22	Mizoram	0	0.00	0.00	0.00	0.00
23	Nagaland					
24	Odisha	3399380	2509811.80	1366072.39	26917.87	49412.41
25	Puducherry	8537	7978.62	3398.78	22.49	120.16
26	Punjab					
27	Rajasthan	17570079	19517121.76	3839753.35	82529.64	206471.80
28	Sikkim	1238	237.39	119.57	1.89	0.20
29	Tamil Nadu	2920090	2573468.72	1456997.90	25072.48	121372.58
30	Telangana	1735345	1535191.88	861849.76	19512.86	21237.61
31	Tripura	24434	7983.28	5099.92	88.51	12.89
32	Uttar Pradesh	11593456	10269710.99	4513898.19	83165.63	77080.59
33	Uttarakhand	381318	202449.57	133669.44	1619.76	424.00
34	West Bengal	8190803	3866966.10	2421966.07	49354.72	46112.29
Total		103872514	102849067	37929424	766876	1729903

(Contd.)

Table 8.12: (Contd.)

(₹ in lakh)

S.No.	State / UTs	State Govt. Premium (Share)	Gross Premium	Claims Reported	Claims Paid	No. of Farmers Benefitted
(1)	(2)	(8)	(9)	(10)	(11)	(12)
1	Andhra Pradesh	44286.31	116749.04	64409.75	53653.39	222395.00
2	Andaman & Nicobar Islands	2.06	4.59	14.56	14.56	295.00
3	Arunachal Pradesh					
4	Assam	400.49	1424.41	91.78	67.78	1541.00
5	Bihar	92101.51	220333.31	75017.62	71777.62	330328.00
6	Chhatisgarh	20195.04	67534.14	152876.32	152752.20	779051.00
7	Dadra & Nagar Haveli					
8	Daman & Diu					
9	Goa	0.09	1.45	0.23	0.23	4.00
10	Gujarat	229991.49	501624.44	213771.03	213596.10	1028270.00
11	Haryana	24974.29	81683.35	115983.86	114910.29	518205.00
12	Himachal Pradesh	959.17	2842.88	1716.59	1716.59	86436.00
13	Jammu & Kashmir	1599.32	4098.58	991.00	991.00	26231.00
14	Jharkhand	21036.57	48914.11	7277.69	7051.86	184537.00
15	Karnataka	132194.25	306734.50	245884.86	239730.75	2167970.55
16	Kerala	321.98	1216.21	732.16	729.66	5310.00

(Contd.)

Table 8.12: (Contd.)

S.No.	State / UTs	State Govt. Premium (Share)	Gross Premium	Claims Reported	Claims Paid	No. of Farmers Benefitted
(1)	(2)	(8)	(9)	(10)	(11)	(12)
17	Lakshadweep					
18	Madhya Pradesh	346193.76	832797.58	725387.61	714805.23	2782967.00
19	Maharashtra	315557.10	729629.15	460486.96	460438.72	7959818.00
20	Manipur	202.42	553.37	245.54	245.54	10819.00
21	Meghalaya	21.99	146.19	4.34	17559.34	247427.00
22	Mizoram	0.00	0.00	0.00	0.00	0.00
23	Nagaland					
24	Odisha	49412.41	125742.69	215213.13	215213.13	901420.00
25	Puducherry	145.32	287.97	757.21	757.21	4299.00
26	Punjab					
27	Rajasthan	206478.78	495480.22	346828.58	339350.47	5351438.00
28	Sikkim	0.20	2.28	10.77	10.77	225.00
29	Tamil Nadu	121372.58	267817.63	468877.06	406705.16	2825239.00
30	Telengana	21237.62	61988.08	31893.00	30702.64	388258.00
31	Tripura	12.89	114.29	166.04	166.04	6266.00
32	Uttar Pradesh	77080.59	237326.82	87959.38	87742.42	1638354.00
33	Uttarakhand	424.00	2467.75	773.48	772.16	38605.00
34	West Bengal	47645.99	143113.01	66970.89	63866.18	1089573.00
Total		1753848	4250628	3284341	3195327	28595282

Source: Department of Agriculture, Cooperation & Farmers Welfare

Table 8.13: State-wise progress under Restructured Weather Based Crop Insurance Scheme (RWBCIS)- Cumulative upto Rabi 2017-18

(₹ 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	1548696	1979058	816476	18526	41752	41752	102029	87088	86413	1307876
2	Andaman & Nicobar Islands	0	0	0	0	0	0	0	0	0	0
3	Arunachal Pradesh										
4	Assam	51749	36692	20547	411	140	140	691	502	502	23370
5	Bihar	0	0	0	0	0	0	0	0	0	0
6	Chhatisgarh	17300	10096	9857	493	1391	1391	3275	1266	1248	10553
7	Dadra & Nagar Haveli										
8	Daman & Diu										
9	Goa	0	0	0	0	0	0	0	0	0	0
10	Gujarat	0	0	0	0	0	0	0	0	0	0
11	Haryana	0	0	0	0	0	0	0	0	0	0
12	Himachal Pradesh	287680	1241204	107323	5352	3468	3468	12289	7078	8016	160902

(Contd.)

Table: 8.13: (Contd.)

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)
13	Jammu & Kashmir	0	0	0	0	0	0	0	0	0	0
14	Jharkhand	0	0	0	0	0	0	0	0	0	0
15	Karnataka	284937	171552	175179	8473	12979	12979	34432	50567	50566	191747
16	Kerala	99448	71419	35276	790	1960	1960	4709	4758	4758	88321
17	Lakshadweep										
18	Madhya Pradesh	927939	633194	374009	18157	9516	9516	37190	39292	32234	628976
19	Maharashtra	356640	363376	396566	19868	65227	65227	150321	93750	92593	248597
20	Manipur	0	0	0	0	0	0	0	0	0	0
21	Meghalaya	0	0	0	0	0	0	0	0	0	0
22	Mizoram	0	0	0	0	0	0	0	0	0	0
23	Nagaland										
24	Orissa	0	0	0	0	0	0	0	0	0	0
25	Puducherry	0	0	0	0	0	0	0	0	0	0
26	Punjab										
27	Rajasthan	70428	54881	18055	760	2795	2795	6351	6330	6330	61015

(Contd.)

Table 8.13: (Contd.)

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)
28	Sikkim	0	0	0	0	0	0	0	0	0	0
29	Tamil Nadu	0	0	0	0	0	0	0	0	0	0
30	Telangana	275693	277597	207075	10327	12030	12030	34387	41107	41107	241807
31	Tripura	0	0	0	0	0	0	0	0	0	0
32	Uttar Pradesh	10021	4897	5447	272	384	384	1040	844	838	10017
33	Uttarakhand	102626	46248	44447	2217	3129	3129	8474	5762	5665	89431
34	West Bengal	2669	422	835	20	40	40	101	0	0	13
Total		4035826	4890634	2211093	85666	154812	154812	395290	338344	330272	3062625

Source: Department of Agriculture, Cooperation & Farmers Welfare

Table 8.14: Crop-wise Area Insured under all Insurance Schemes

(₹ in lakh)

S.No.	Crops	2015-16				2016-17				2017-18			
		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)	(14)
1	Paddy	442.38	114.93	25.98	442.38	134.24	30.35	442.38	121.05	27.36			
2	Wheat	320.78	87.82	27.38	320.78	105.34	32.84	320.78	90.64	28.26			
3	Nutri Cereals	255.01	59.61	23.38	255.01	57.04	22.37	255.01	45.35	17.78			
4	Sugarcane	55.65	2.29	4.11	55.65	3.03	5.44	55.65	0.53	0.95			
5	Cotton	126.60	14.49	11.44	126.60	35.86	28.33	126.60	26.02	20.55			
6	Jute & Mesta	8.19	0.04	0.43	8.19	0.73	8.91	8.19	0.32	3.93			
7	Oilseeds	284.24	132.51	46.62	284.24	111.83	39.34	284.24	110.82	38.99			
8	Pulses	217.07	71.19	32.80	217.07	87.39	40.26	217.07	75.36	34.72			
9	Vegetables	57.87	20.54	35.49	57.87	21.43	37.03	57.87	10.46	18.08			
10	Fruits	41.92	3.97	9.47	41.92	3.01	7.19	41.92	14.53	34.66			
11	Others	173.89	16.48	9.48	173.89	2.47	1.42	173.89	19.95	11.47			
Area under all Crops		1983.60	523.86	26.41	1983.60	562.38	28.35	1983.60	515.02	25.96			

Source: Department of Agriculture, Cooperation & Farmers Welfare

* Latest data for Gross Area Sown (also known as Gross Cropped Area) is available till 2014-15 only and the same has been used for 2015-16 to 2017-18 for estimation purpose

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

(Area in lakh hectare)

State/UT	2015-16				2016-17			2017-18		
	Gross Area sown*	Area insured	% of Area Insured	(4)	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)
Andhra Pradesh	76.90	23.49	30.54	76.90	15.81	20.56	76.90	21.60	28.09	28.09
Andaman & Nicobar	0.24	0.01	5.75	0.24	0.00	1.06	0.24	0.00	1.03	1.03
Arunachal Pradesh	2.99	0.00	0.00	2.99	0.00	0.00	2.99	0.00	0.00	0.00
Assam	40.83	0.29	0.70	40.83	0.41	1.00	40.83	0.43	1.06	1.06
Bihar	76.73	28.06	36.57	76.73	22.02	28.69	76.73	21.28	27.74	27.74
Chandigarh	0.02	0.00	0.00	0.02	0.00	0.00	0.02	0.00	0.00	0.00
Chhattisgarh	57.28	23.43	40.90	57.28	24.17	42.19	57.28	22.27	38.88	38.88
Dadar & Nagar Haveli	0.23	0.00	0.00	0.23	0.00	0.00	0.23	0.00	0.00	0.00
Daman & Diu	0.03	0.00	0.00	0.03	0.00	0.00	0.03	0.00	0.00	0.00
Delhi	0.35	0.00	0.00	0.35	0.00	0.00	0.35	0.00	0.00	0.00
Goa	1.58	0.00	0.07	1.58	0.00	0.04	1.58	0.00	0.01	0.01
Gujarat	127.73	10.31	8.08	127.73	30.18	23.63	127.73	21.61	16.92	16.92
Haryana	65.36	0.00	0.00	65.36	20.85	31.89	65.36	19.32	29.56	29.56
Himachal Pradesh	9.18	0.54	5.89	9.18	1.30	14.15	9.18	12.74	138.82	138.82
Jammu & Kashmir	11.78	0.00	0.00	11.78	0.00	0.00	11.78	1.53	12.95	12.95
Jharkhand	15.54	4.17	26.83	15.54	3.74	24.08	15.54	3.01	19.40	19.40
Karnataka	122.47	17.18	14.03	122.47	26.11	21.32	122.47	19.08	15.58	15.58
Kerala	26.25	0.65	2.46	26.25	0.53	2.02	26.25	0.48	1.84	1.84
Lakshadweep	0.03	0.00	0.00	0.03	0.00	0.00	0.03	0.00	0.00	0.00
Madhya Pradesh	238.10	121.15	50.88	238.10	122.86	51.60	238.10	125.44	52.68	52.68

(Contd.)

Table 8.15: (Contd.)

State/UT (1)	2015-16			2016-17			2017-18		
	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)
Maharashtra	234.74	83.01	35.36	234.74	72.98	31.09	234.74	58.58	24.96
Manipur	3.83	0.17	4.39	3.83	0.09	2.38	3.83	0.19	4.87
Meghalaya	3.43	0.01	0.29	3.43	0.00	0.01	3.43	0.03	0.99
Mizoram	1.45	0.00	0.00	1.45	0.00	0.00	1.45	0.00	0.00
Nagaland	5.00	0.00	0.00	5.00	0.00	0.00	5.00	0.00	0.00
Odisha	51.73	20.47	39.57	51.73	10.94	21.16	51.73	14.15	27.36
Puducherry	0.27	0.02	7.19	0.27	0.08	29.55	0.27	0.00	0.00
Punjab	78.57	0.00	0.00	78.57	0.00	0.00	78.57	0.00	0.00
Rajasthan	242.35	114.55	47.27	242.35	103.53	42.72	242.35	92.19	38.04
Sikkim	1.36	0.00	0.08	1.36	0.00	0.10	1.36	0.00	0.08
Tamil Nadu	59.95	12.45	20.77	59.95	13.08	21.82	59.95	12.66	21.11
Telangana	53.15	16.07	30.23	53.15	8.62	16.22	53.15	9.51	17.89
Tripura	4.83	0.01	0.21	4.83	0.05	1.02	4.83	0.03	0.63
Uttar Pradesh	261.47	37.98	14.53	261.47	63.76	24.39	261.47	38.98	14.91
Uttarakhand	10.97	1.11	10.12	10.97	1.32	12.07	10.97	1.16	10.60
West Bengal	96.90	8.73	9.01	96.90	19.96	20.59	96.90	18.72	19.32
All India Total	1983.60	523.86	26.41	1983.60	562.38	28.35	1983.60	515.02	25.96

Source: Department of Agriculture, Cooperation & Farmers Welfare

* Latest data for Gross Area Sown (also known as Gross Cropped Area) is available till 2014-15 and the same has been used for 2015-16 to 2017-18 for estimation purpose

Table 8.16: State-wise Area covered under Micro Irrigation

(As on 31.03.2018) (Hectare)

S.No.	State	Drip	Sprinkler	Total
(1)	(2)	(3)	(4)	(5)
1	Andhra Pradesh	1150758	434191	1584949
2	Arunachal Pradesh	613	0	613
3	Assam	373	848	1221
4	Bihar	10496	104080	114576
5	Chattisgarh	21981	275362	297343
6	Goa	1186	1129	2315
7	Gujarat	636663	644473	1281136
8	Haryana	30038	564873	594911
9	Himachal Pradesh	5160	4130	9290
10	Jammu & Kashmir	23	57	80
11	Jharkhand	18011	14401	32412
12	Karnataka	581340	705300	1286640
13	Kerala	23083	8245	31328
14	Madhya Pradesh	293610	227815	521425
15	Maharashtra	1089600	455769	1545369
16	Manipur	288	30	318
17	Meghalaya	308	307	615
18	Mizoram	3064	1364	4428
19	Nagaland	444	5005	5449
20	Odisha	23240	89409	112649
21	Punjab	35375	12906	48281
22	Rajasthan	228923	1607827	1836750
23	Sikkim	6044	3042	9086
24	Tamil Nadu	412370	90836	503206
25	Telangana	163577	58333	221910
26	Tripura	444	1651	2095
27	Uttar Pradesh	21960	77067	99027
28	Uttarakhand	4834	3029	7863
29	West Bengal	629	52688	53317
30	Others	15169	30636	45805
	Total	4779604	5474803	10254407

Source: Department of Agriculture, Cooperation & Farmers Welfare

Table 8.17: State-wise Cold Storage Capacity

(As on 31.03.2018)

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	452	1836366
3	Arunachal Pradesh	2	6000
4	Assam	37	163258
5	Bihar	306	1415594.5
6	Chandigarh (UT)	7	12462
7	Chhattisgarh	98	484331.37
8	Delhi	97	129857
9	Goa	29	7705
10	Gujarat	890	3515975.67
11	Haryana	352	791779.77
12	Himachal Pradesh	65	125967.18
13	Jammu & Kashmir	55	182527
14	Jharkhand	58	236680
15	Karnataka	209	602457.15
16	Kerala	199	81705
17	Lakshadweep (UT)	1	15
18	Madhya Pradesh	302	1281411
19	Maharashtra	603	979606.98
20	Manipur	3	7100
21	Meghalaya	4	8200
22	Mizoram	3	3971
23	Nagaland	4	7350
24	Orissa	177	566321
25	Puducherry (UT)	3	85
26	Punjab	672	2201386.27
27	Rajasthan	167	561293.06
28	Sikkim	2	2100
29	Tamil Nadu	173	347583
30	Tripura	14	45477
31	Uttar Pradesh	2368	14500772.92
32	Uttrakhand	47	162821
33	West Bengal	511	5940511
34	NHB/States	3	20195
	Total	7916	36229674.87

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- 2015-16

Crop	State	Cost of Cultivation* (₹/Hectare)	Yield (Qtl./Hectare)
(1)	(2)	(3)	(4)
Paddy	Andhra Pradesh	53108.28	58.63
	Assam	37430.31	32.82
	Bihar	29791.17	27.49
	Chhattisgarh	35159.57	31.88
	Gujarat	43128.46	43.17
	Haryana	47710.75	52.27
	Himachal Pradesh	28308.69	20.34
	Jharkhand	25948.10	21.77
	Karnataka	52392.87	51.88
	Kerala	59326.92	43.48
	Madhya Pradesh	31688.24	22.02
	Maharashtra	58449.49	24.00
	Odisha	44710.20	35.28
	Punjab	41137.38	69.89
	Tamil Nadu	55450.91	49.13
	Uttar Pradesh	41777.09	35.85
	Uttarakhand	31717.91	47.24
	West Bengal	55713.50	44.91
Wheat	Bihar	29056.27	26.77
	Gujarat	31437.22	30.88
	Haryana	34837.64	43.09
	Himachal Pradesh	23868.58	13.17
	Jharkhand	19984.04	16.18
	Karnataka	22662.21	6.89
	Madhya Pradesh	26917.78	30.60
	Maharashtra	39627.62	24.83
	Punjab	29745.25	46.53
	Rajasthan	38783.71	37.54
	Uttar Pradesh	36056.60	31.99
	Uttarakhand	30028.83	32.86
	West Bengal	37254.20	22.85

(Contd.)

Table: 8.18: (Contd.)

Crop	State	Cost of Cultivation* (₹/Hectare)	Yield (Qtl./Hectare)
(1)	(2)	(3)	(4)
Maize	Andhra Pradesh	43025.34	51.28
	Bihar	30252.68	32.56
	Gujarat	36451.42	13.28
	Himachal Pradesh	27320.83	13.67
	Jharkhand	29460.42	34.09
	Karnataka	35269.82	32.42
	Madhya Pradesh	27509.92	17.74
	Maharashtra	56845.46	43.00
	Odisha	40254.12	37.94
	Punjab	39755.96	35.46
	Rajasthan	36542.67	17.14
	Tamil Nadu	65464.97	59.84
	Uttar Pradesh	28553.18	22.93
Jowar	Andhra Pradesh	20671.52	19.65
	Karnataka	15526.75	5.98
	Madhya Pradesh	19969.54	21.40
	Maharashtra	24175.76	8.00
	Rajasthan	19232.39	4.93
	Tamil Nadu	21632.03	8.96
Bajra	Gujarat	37425.60	25.30
	Haryana	27556.91	16.37
	Maharashtra	33379.06	13.17
	Rajasthan	17782.70	7.58
	Uttar Pradesh	23364.30	24.61
Barley	Rajasthan	33862.12	36.58
	Uttar Pradesh	21656.58	24.20
Ragi	Karnataka	46934.09	16.89
	Uttarakhand	21668.30	18.78
Arhar	Andhra Pradesh	26236.58	4.91
	Gujarat	34233.87	10.55
	Karnataka	26841.96	5.19
	Madhya Pradesh	25105.85	7.84

(Contd.)

Table: 8.18: (Contd.)

Crop	State	Cost of Cultivation* (₹/Hectare)	Yield (Qtl./Hectare)
(1)	(2)	(3)	(4)
	Maharashtra	56971.09	14.08
	Odisha	14547.66	3.29
	Uttar Pradesh	25440.28	8.33
Gram	Andhra Pradesh	34335.22	9.88
	Bihar	21810.31	15.72
	Chhattisgarh	19678.13	5.66
	Haryana	26386.24	14.23
	Jharkhand	16849.84	11.12
	Karnataka	20584.72	4.58
	Madhya Pradesh	24722.97	11.65
	Maharashtra	28490.56	8.82
	Rajasthan	19893.63	7.81
	Uttar Pradesh	24661.66	6.99
Urad	Andhra Pradesh	17796.62	9.37
	Chhattisgarh	20365.56	2.13
	Madhya Pradesh	21321.76	5.25
	Maharashtra	27202.79	3.55
	Odisha	14066.16	2.88
	Tamil Nadu	25288.85	5.83
	Uttar Pradesh	14154.65	2.16
Moong	Andhra Pradesh	20237.46	3.14
	Gujarat	22218.03	5.99
	Karnataka	14100.76	3.12
	Maharashtra	27524.23	3.11
	Odisha	13990.53	2.65
	Rajasthan	16780.67	3.99
Lentil	Bihar	17263.59	9.87
	Madhya Pradesh	19785.25	10.11
	Uttar Pradesh	18971.77	4.34
	West Bengal	27090.87	11.36
Groundnut	Andhra Pradesh	42935.83	14.03
	Gujarat	58373.60	18.53

(Contd.)

Table: 8.18: (Contd.)

Crop	State	Cost of Cultivation* (₹/Hectare)	Yield (Qtl./Hectare)
(1)	(2)	(3)	(4)
	Karnataka	41054.07	7.99
	Maharashtra	71130.72	11.10
	Odisha	39635.04	8.86
	Rajasthan	38744.29	24.58
	Tamil Nadu	58151.57	18.32
R & M	Assam	27449.13	8.32
	Bihar	18603.18	12.07
	Gujarat	29979.66	14.15
	Haryana	26752.61	15.71
	Madhya Pradesh	20473.19	16.00
	Rajasthan	27646.68	12.78
	Uttar Pradesh	27538.80	11.74
	West Bengal	33842.34	12.71
Soybean	Andhra Pradesh	33059.09	7.07
	Chhattisgarh	20798.08	5.09
	Madhya Pradesh	24675.34	4.97
	Maharashtra	32327.60	8.96
	Rajasthan	23781.56	6.27
Sunflower	Andhra Pradesh	35749.51	9.44
	Karnataka	19978.33	3.91
Safflower	Karnataka	11633.11	4.12
	Maharashtra	16669.26	4.34
Nigerseed	Chhattisgarh	20485.22	1.60
	Madhya Pradesh	16765.53	3.31
	Odisha	14153.49	2.32
Sesamum	Andhra Pradesh	23364.24	3.38
	Gujarat	26824.75	6.06
	Madhya Pradesh	18903.67	4.35
	Odisha	18624.57	5.09
	Uttar Pradesh	11373.19	2.70
	Rajasthan	12285.67	1.99
	West Bengal	26856.46	9.04

(Contd.)

Table: 8.18: (Contd.)

Crop	State	Cost of Cultivation* (₹/Hectare)	Yield (Qtl./Hectare)
(1)	(2)	(3)	(4)
Sugarcane	Andhra Pradesh	120091.41	866.13
	Karnataka	66992.49	715.18
	Maharashtra	143014.45	946.02
	Tamil Nadu	138191.09	1025.52
	Uttar Pradesh	56859.32	542.88
	Uttarakhand	49746.68	457.31
Cotton	Andhra Pradesh	52788.39	14.52
	Gujarat	55081.77	18.24
	Haryana	43177.23	8.39
	Karnataka	44677.05	12.29
	Madhya Pradesh	62797.67	13.63
	Maharashtra	57649.84	16.29
	Odisha	47623.03	12.17
	Punjab	46048.58	6.97
	Rajasthan	49383.97	15.71
	Tamil Nadu	78018.51	24.68
Jute	Assam	57666.80	19.22
	Bihar	19880.98	12.12
	Odisha	52713.13	15.91
	West Bengal	58133.31	25.24
Onion	Gujarat	101663.40	171.62
	Karnataka	43003.59	80.11
	Maharashtra	114759.09	244.85
Potato	Assam	106360.31	109.07
	Bihar	62315.66	195.87
	Himachal Pradesh	85159.89	111.64
	Uttar Pradesh	71310.86	186.01
	West Bengal	113603.08	244.92

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. (1)	Commodity (2)	2013-14 (3)	2014-15 (4)	2015-16 (5)	2016-17 (6)	2017-18 (7)	2018-19 (8)
	Kharif crops*						
1	Paddy	961	978	1020	1045	1117	1166
2	Jowar	1269	1370	1467	1501	1556	1619
3	Bajra	768	832	893	925	949	990
4	Maize	860	914	941	966	1044	1131
5	Ragi	1338	1474	1688	1733	1861	1931
6	Arhar(tur)	3090	3105	3237	3241	3318	3432
7	Moong	3775	3890	3993	4065	4286	4650
8	Urard	3144	3225	3455	3584	3265	3438
9	Cotton	2485	2510	2753	2889	3276	3433
10	Groundnut in shell	2720	3232	3314	3371	3159	3260
11	Sunflower seed	1692	1729	1770	1852	3481	3592
12	Soybean (black)	3000	3129	3282	3479	2121	2266
13	Sesamum	2919	3765	4132	4188	4067	4166
14	Nigerseed	2279	3084	3146	3366	3912	3918
	Rabi crops**						
1	Wheat	687	679	744	785	797	817

(Contd.)

Table: 8.19: (Contd.)

Sl. No.	Commodity	2013-14 (3)	2014-15 (4)	2015-16 (5)	2016-17 (6)	2017-18 (7)	2018-19 (8)
2	Barley	620	676	735	776	816	845
3	Gram	1926	1786	1902	2124	2241	2461
4	Masur (lentil)	1696	1799	1866	2015	2174	2366
5	Rapeseed/mustard	1260	1307	1504	1702	1871	2123
6	Safflower	2754	2558	3025	3057	3049	3125
	Other crops***						
1	Jute	1015@	1702	2042	2125	2160	2267
2	Sugarcane	120	123	140	140#	145	157
3	Copra	3705	4398^	4138	4676	4758	5007

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

* Figures are for Kharif Marketing Season of the respective year

** For Rabi Marketing Season of the respective year

*** For Marketing Season of respective year

@ : The figure consists of only A2 and not FL

#Unadjusted for 9.5% Recovery of Sugarcane for 2016-17 Sugar Season

^The figure for this year is only available for Kerala

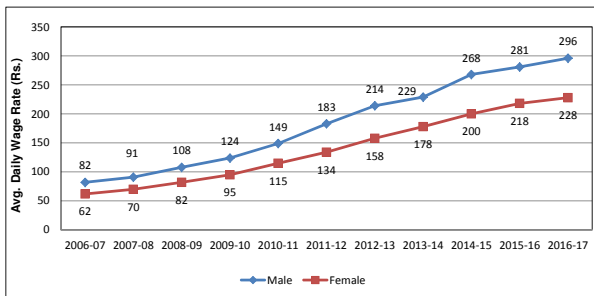
Table 8.20: All India Annual Average Daily Wage Rate of Field Labor

Year	Wages (in Rupees)	
	Male	Female
(1)	(2)	(3)
2006-07	82	62
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

Source: Directorate of Economics & Statistics

Note 1. All India annual average is calculated for 20 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 Laborers

Source: Directorate of Economics & Statistics



9 PRICES & PROCUREMENT

Table 9.1(a): Wholesale Price Index of Foodgrains (Base: 2011-12=100)

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

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 (1)	Weight (2)	2012-13 (3)	2013-14 (4)	2014-15 (5)	2015-16 (6)	2016-17 (7)	2017-18 (8)
A. Oil Seeds	1.12	126.8	125.6	129.2	136.6	136.0	129.9
Groundnut Seed	0.27	120.5	108.2	106.9	127.9	138.2	122.5
Rape & Mustard Seed	0.25	131.1	119.1	122.7	145.9	149.4	134.1
Cotton Seed	0.01	108.7	116.2	117.4	136.4	160.2	143.8
Copra (Coconut)	0.07	80.8	101.4	156.9	132.5	111.1	179.7
Gingelly Seed (Sesamum)	0.01	139.8	154.5	133.7	111.1	118.6	121.6
Linseed	0.01	125.4	126.4	127.3	132.5	167.6	155.5
Castor Seed	0.10	84.7	85.1	93.8	89.5	85	103.1
Niger Seed	0.00	118.4	115.9	127.3	222.8	207.6	201.3
Safflower (Kardi Seed)	0.00	114.4	113.7	99.0	107.4	114	135.0
Sunflower	0.02	112.0	114.3	108.7	114.5	111.5	99.8
Soybean	0.38	149.4	157.5	154.6	151.1	143.8	129.9
a1. Manufacture of vegetable and animal oils and fats	2.64	106.3	104.0	102.0	98.7	107	109.4
Mustard Oil	0.18	116.9	105.8	109.4	124.5	124.7	118.1
Rapeseed Oil	0.01	114.7	108.0	107.2	119.8	119	111.2
Copra Oil	0.03	91.6	107.7	155.2	141.3	129.4	162.4
Groundnut Oil	0.06	122.8	104.1	94.5	109.9	119.5	108.4
Cotton Seed Oil	0.07	106.8	102.6	99.3	97.9	100.8	101.6
Sunflower Oil	0.23	105.6	106.6	95.4	101.3	105.0	103.4
Soyabean Oil	0.34	110.9	107.2	102.7	98.5	104.5	106.1

(Contd.)

Table:9.1(b): (Contd.)

Commodity (1)	Weight (2)	2012-13 (3)	2013-14 (4)	2014-15 (5)	2015-16 (6)	2016-17 (7)	2017-18 (8)
Castor Oil	0.03	92.9	97.2	103.4	97.4	95.9	106.8
Rice Bran Oil	0.30	108.0	101.7	101.6	98.5	109.4	111.2
Palm Oil	1.02	103.4	103.7	100.8	92.4	103.9	108.4
B. Fruits and Vegetables	3.48	114.9	140.4	146.5	139.2	138.7	155.9
b1. Vegetables	1.87	123.5	163.6	159.4	145.7	138	164.0
Potato	0.28	162.9	176.5	227.3	127.5	175.6	117.9
Onion	0.16	126.1	270.5	194.0	253.6	117.4	212.0
b2. FRUITS	1.60	104.9	113.3	131.5	131.6	139.5	146.5
Banana	0.33	113.2	132.5	146.2	137.1	144.9	158.3
Mango	0.46	96.0	86.8	107.3	121.2	132.1	126.7
Apple	0.08	106.9	104.3	110.0	101.0	109.1	114.3
Orange	0.13	110.5	107.8	111.8	106.9	124	125.2
C. Condiments & Spices	0.53	87.1	102.7	120.8	138.9	140.5	125.2
Black Pepper	0.02	129.6	139.1	183.5	183.6	186.7	158.0
Chillies(Dry)	0.14	83.6	94.4	109.0	130.4	135.7	111.6
Turmeric	0.10	79.8	103.0	109.3	121.5	117.3	119.7
D. Raw Cotton	0.66	95.0	108.6	95.8	89.5	106.8	107.5
E. Raw Jute	0.05	110.3	120.9	132.5	181.5	208	160.4

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

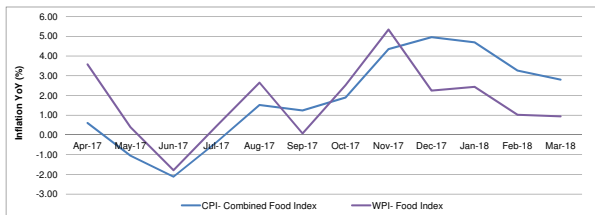
Source: Central Statistics Office

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

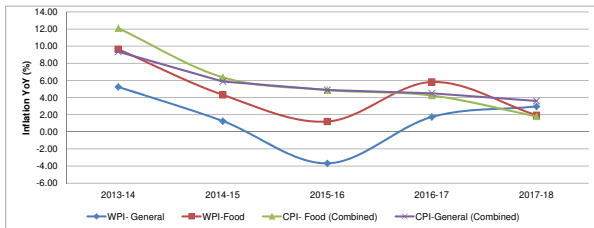


Source: Ministry of Commerce & Industry and Central Statistics Office

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(P)	153.11	151.35	176.98	125.99	157.83	97.01

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 (IPR)	Farmers	Agricultural Labourers	Combined Index for Final Consumption (IP-FC)	Intermediate Consumption (IP-IC)	Capital Formation (IP-CF)		
Weight→	94.04	5.96	100.00	71.35	28.65	55.38	25.62	19.00	100.00	Col-
(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*	153.11	205.95	156.26	151.35	154.13	152.15	143.31	125.99	144.91	107.83

Source: Directorate of Economics and Statistics

* Provisional

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

(As on 26.11.2018)
(₹ per quintal)

S. No. (1)	Commodity (2)	Variety (3)	2013-14 (4)	2014-15 (5)	2015-16 (6)	2016-17 (7)	2017-18 (8)	2018-19 (8)
Kharif Crops								
1	Paddy	Common	1310	1360	1410	1470	1550	1750
		Grade 'A'	1345	1400	1450	1510	1590	1770
2	Jowar	Hybrid	1500	1530	1570	1625	1700	2430
		Malandi	1520	1550	1590	1650	1725	2450
3	Bajra		1250	1250	1275	1330	1425	1950
4	Maize		1310	1310	1325	1365	1425	1700
5	Ragi		1500	1550	1650	1725	1900	2897
6	Arhar(Tur)		4300	4350	4625 [^]	5050 [^] [^]	5450 [^]	5675
7	Moong		4500	4600	4850 [^]	5225 [^] [^]	5575 [^]	6975
8	Urad		4300	4350	4625 [^]	5000 [^] [^]	5400 [^]	5600
9	Cotton	Medium Staple	3700	3750	3800	3860	4020	5150
		Long Staple	4000	4050	4100	4160	4320	5450
10	Groundnut in Shell		4000	4000	4030	4220 [*]	4450 [^]	4890
11	Sunflower Seed		3700	3750	3800	3950 [*]	4100 [*]	5388
12	Soybean		2560	2560	2600	2775 [*]	3050 [^]	3399
13	Sesamum		4500	4600	4700	5000 [^]	5300 [*]	6249
14	Nigerseed		3500	3600	3650	3825 [*]	4050 [*]	5877

(Contd.)

Table:9.4: (Contd.)

S. No.	Commodity	Variety	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(8)
Rabi Crops								
15	Wheat		1400	1450	1525	1625	1735	1840
16	Barley		1100	1150	1225	1325	1410	1440
17	Gram		3100	3175	3500**	4000^	4400@	4620
18	Masur (Lentil)		2950	3075	3400**	3950@	4250*	4475
19	Rapeseed/Mustard		3050	3100	3350	3700*	4000*	4200
20	Safflower		3000	3050	3300	3700*	4100*	4945
21	Toria		3020	3020	3290	3560	3900	4190
Other Crops								
22	Copra (Calendar Year)	Milling	5250	5250	5550	5950	6500	7511
		Ball	5500	5500	5830	6240	6785	7750
23	De-Husked Coconut (Calendar Year)		1425	1425	1500	1600	1760	2030
24	Jute		2300	2400	2700	3200	3500	3700
25	Sugarcane\$		210	220	230	230	255	275

Source: Directorate of Economics & Statistics

Figures in brackets indicate percentage increase.

\$ Fair and Remunerative Price.

* Including Bonus of Rs. 100 per quintal.

** Including Bonus of Rs. 75 per quintal.

^ Including Bonus of Rs. 200 per quintal.

^^ Including Bonus of Rs. 425 per quintal.

@ Including Bonus of Rs. 150 per quintal

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

('000 Tonnes)

State (1)	2011-12 (2)	2012-13 (3)	2013-14 (4)	2014-15 (5)	2015-16 (6)	2016-17 (7)	2017-18 (8)	2018-19 (9)
Rice (Oct-Sept)								
Punjab	7731	8558	8106	7786	93.5	11052	11833	
Haryana	2007	2609	2406	2015	2861	3583	3992	
Uttar Pradesh	3355	2286	1127	1698	2910	2354	2875	
Andhra Pradesh	7540	6464	3737	3596	4336	3724	4000	
Telangana	-	-	4353	3504	158	3596	3618	
Madhya Pradesh	635	898	1045	807	849	1314	1096	
Odisha	2864	3613	2801	3357	3369	3630	3287	
Tamil Nadu	1596	481	684	1051	1192	144	1011	
West Bengal	2036	1766	1359	2032	1568	1923	1673	
Chhattisgarh	4115	4804	4290	3423	3442	4022	3255	
Uttarakhand	378	497	463	465	598	706	38	
Others	2784	2068	1474	2603	2162	2058	1506	
All-India	35041	34044	31845	32040	34217	38106	38184	
Wheat (April-March)								
Punjab	10958	12834	10897	11641	10344	10649	11706	12692
Uttar Pradesh	3461	5063	682	628	2267	797	3699	5294

(Contd.)

Table:9.5: (Contd.)

State (1)	2011-12 (2)	2012-13 (3)	2013-14 (4)	2014-15 (5)	2015-16 (6)	2016-17 (7)	2017-18 (8)	2018-19 (9)
Haryana	6928	8665	5873	6495	6778	6752	7432	8784
Rajasthan	1303	1964	1268	2159	1300	762	1245	1532
Chhattisgarh	-	-	9	-	-	3992	6725	7313
Uttarakhand	42	139	5	1	4	-	-	-
Bihar	557	772	0	0	0	2	2	110
Chandigarh	7	17	8	5	11	0	0	18
Delhi	8	31	Neg.	0	2	7	8	14
Gujarat	105	156	0	0	73	0	-	-
Himachal Pradesh	1	1	Neg.	Neg.	0	0	7	37
Jammu & Kashmir	-	9	0	0	0	0	-	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

Source: Department of Food and Public Distribution.

Note: Rice Procurement status for 2017-18 is as on 08.10.2018

Neg : Below 500 tonnes.

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

S.No.	Commodity	Support Price	Quantity	Value	Major State(s) of Procurement
		₹ Per Qtl for FAQ	Procured in Tonnes	₹ lakh	
(1)	(2)	(3)	(4)	(5)	(6)
1.	Arhar				
	2014-15	-	-	-	-
	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
2.	Urad				
	2014-15	-	-	-	-
	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
3.	Gram				
	2014-15	3100	364171.00	112892.92	Andhra Pradesh, Gujarat, Karnataka, Madhya Pradesh, Maharashtra, Rajasthan and Uttar Pradesh
	2015-16	-	-	-	-
	2016-17	-	-	-	-
	2017-18	-	-	-	-

(Contd.)

Table:9.6(a): (Contd.)

S.No.	Commodity	Support Price	Quantity	Value	Major State(s) of Procurement
		₹ Per Qtl for FAQ	Procured in Tonnes	₹ lakh	
(1)	(2)	(3)	(4)	(5)	(6)
4.	Lentil				
	2014-15	-	-	-	-
	2015-16	-	-	-	-
	2016-17	-	-	-	-
	2017-18	-	-	-	-
5.	Moong				
	2014-15	-	-	-	-
	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

Source: Department of Agriculture, Cooperation & Farmers Welfare

Table 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
		Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1. Arhar										
	2015-16	20256.52	174.88	19989.04	173.64	5259.12	46.40	45504.68	394.92	Madhya Pradesh, Maharashtra, Telangana, Karnataka, Gujarat, Andhra Pradesh and Rajasthan
	2016-17	175305.46	885.08	661431.14	3340.42	71145.15	359.29	907881.76	4584.79	Madhya Pradesh, Maharashtra, Telangana, Gujarat, Karnataka, Andhra Pradesh and Rajasthan
	2017-18	-	-	258076.04	1303.28	-	-	258076.04	1303.28	Madhya Pradesh, Maharashtra, Telangana, Gujarat and Karnataka
2. Urad										
	2015-16	4.72	0.06	1763.90	17.47	3122.95	32.72	4891.57	50.25	Madhya Pradesh, Rajasthan, Maharashtra, Uttar Pradesh, Telangana, Gujarat, Karnataka and Andhra Pradesh
	2016-17	18233.91	116.29	59594.93	376.71	10531.13	64.32	88359.97	557.32	Madhya Pradesh, Maharashtra, Telangana, Gujarat, Uttar Pradesh, Rajasthan, Andhra Pradesh, Tamil Nadu and Karnataka
	2017-18	-	-	-	-	-	-	-	-	-

(Contd.)

Table:9.6(b): (Contd.)

S. No.	Commodity/ Year	FCI		NAFED		SFAC		Total		Major State(s) of Procurement
		Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
3.	Gram									
	2015-16	-	-	-	-	-	-	-	-	-
	2016-17	15191.22	92.58	20260.92	119.65	25220.54	149.91	60672.68	362.14	Madhya Pradesh, Maharashtra, Telangana, Uttar Pradesh, Rajasthan, Andhra Pradesh and Karnataka
	2017-18	-	-	60272.29	313.17	-	-	60272.29	313.17	Madhya Pradesh, Rajasthan, Haryana and Uttar Pradesh
4.	Lentil									
	2015-16	-	-	-	-	-	-	-	-	-
	2016-17	4335.54	25.06	2987.53	16.47	1241.19	7.08	8564.26	48.61	Madhya Pradesh, Rajasthan and Uttar Pradesh
	2017-18	-	-	27071.99	107.29	-	-	27071.99	107.29	Madhya Pradesh and Uttar Pradesh
5.	Moong									
	2015-16	-	-	-	-	-	-	-	-	-
	2016-17	64737.05	337.86	120594.23	630.10	24505.97	128.04	209837.26	1096.01	Rajasthan, Madhya Pradesh, Telangana, Karnataka, Maharashtra, Haryana and Andhra Pradesh
	2017-18	-	-	-	-	-	-	-	-	-

Source: Department of Consumer Affairs

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

Year (1)	Rice (2)	Wheat (3)	Other Cereals (4)	Cereals (5)	Pulses (6)	Foodgrains (7)
	(Kgs Per Year)					
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(P)	69.0	64.4	31.2	160.0	20.4	180.3

Source: Directorate of Economics and Statistics, DAC&FW, P-Provisional figures based on 4th Advance Estimates of production for 2017-18

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

The net availability of foodgrains divided by the population estimates for a particular year indicate per capita availability of foodgrains in terms of kg/year. Net availability, thus worked out further divided by the number of days in a year i.e., 365 days gives us net availability of foodgrains in terms of grams/ day.

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

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

Year	Edible Oils ^a (kg.)	Vanaspatti ^b (kg.)	Sugar ^c (Nov-Oct) (kg.)	Cloth ^d (meters)		Total	Tea (gm)	Coffee (gm)
				Cotton ^e	Man-made			
(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(P)	24.6	15.9	40.5	758	100

Source: Economic Survey 2017-18

(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.

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.

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

Item group	Rural			Urban		
	Share in total consumer expenditure		2011-12 (4)	Share in total consumer expenditure		2011-12 (7)
	2004-05 (2)	2009-10 (3)		2004-05 (5)	2009-10 (6)	
(1)						
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	38.6
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: NSSO, M/O Statistics & Programme Implementation, Key Indicators of Household Consumer Expenditure NSSO 68th Round Survey (July'11 - June'12)

Note: Figures may not tally due to rounding off



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

(Contd.)

Table:11.1: (Contd.)

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)
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
Uttarakhand	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 Sample Survey Office (NSSO)

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

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

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

Table 11.2: Indebtedness of agricultural households (all-India) in different size classes of land possessed

Land Possessed	Estimated Number of Agricultural Households	% to Total in each Class	Estimated No. of Indebted Agricultural Households	% to Total in each Class	% of Indebted Agricultural Households to Total	Average Outstanding Loan Amount
(hectare)	(lakh)	(3)	(lakh)	(5)	(6)	(₹)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
< 0.01	23.89	2.65	10.02	2.1	41.9	31100
0.01-0.40	287.66	31.89	135.97	29.0	47.3	23900
0.41-1.00	314.81	34.90	152.16	32.5	48.3	35400
1.01-2.00	154.58	17.14	86.11	18.4	55.7	54800
2.01-4.00	84.35	9.35	56.10	12.0	66.5	94900
4.01-10.00	33.02	3.66	25.21	5.4	76.3	182700
10 & above	3.71	0.41	2.92	0.6	78.7	290300
All India	902.01	100.00	468.48	100.0	51.9	47000

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

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

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

Table 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 2017-18*	
			Area	Production
(1)	(2)	(3)	(4)	(5)
1. Uttar Pradesh	79081	1054.6	15.54	17.99
2. Maharashtra	40672	542.4	8.55	4.82
3. Rajasthan	40055	534.1	11.16	6.88
4. Andhra Pradesh**	33421	445.7	3.25	4.27
5. West Bengal	32787	437.2	4.66	5.93
6. Karnataka	32775	437.1	5.95	3.91
7. Bihar	30156	402.1	5.10	5.81
8. Madhya Pradesh	27414	365.6	13.36	11.74
9. Odisha	25830	344.4	3.6	2.50
10. Telangana**	22628	301.7	2.55	3.30
11. Punjab	7499	100.0	5.27	11.13
12. Other States/UTs	96163	1282.3	21.01	21.72
All India	468481	100.0	100.00	100.00

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

* As per the Fourth Advance Estimates

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

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

Table 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

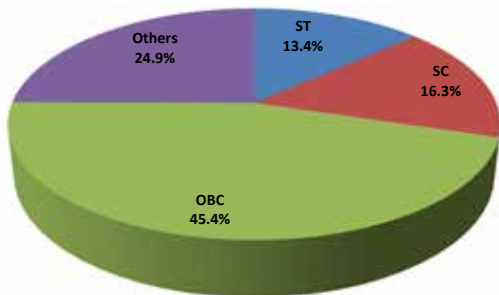
Source: Situation Assessment Survey of Agricultural Households (Jan-Dec 2013), National Sample Survey Office (NSSO)

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

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

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

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



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

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



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

* 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 (Rs.)	Average Total Receipts (Rs.)	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 Sample Survey Office (NSSO)

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 (Rs.)	Average Total Receipts (Rs.)	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 Sample Survey Office (NSSO)



12 AGRICULTURAL PROJECTIONS

Table 12.1: Average Annual Growth Rate of Production of selected food commodities in India: Actual Production Trends in 2005–15 and Projections by various agencies

Crop	Actual Growth rate	FAO/ OECD	USDA	FAPRI	IGC	NCAER	
						India stand- alone Cosimo Model	Econometric Model
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
2004-2015	2015-24	2016-25	2015-21	2016-21	2016-24		
Wheat	3.21	1.4	1.78	1.3	2.05	1.69	0.96-1.73
Rice	1.52	1.76	1.19	NA	1.76	1.88	2.46-2.75
Nutri Cereals	-0.93	2.70	2.16	0.49	1.27	1.78	-0.41-3.30
Pulses	3.19						2.74-3.21
Total Oilseeds	0.81	2.21	3.72	1.47	2.66		3.47-4.29
Vegetable Oil	-0.93	2.05	4.20	1.48	NA	1.88	
Sugar	2.64	0.32	NA	3.24	NA	3.31	
Egg	4.44					3.66	
Milk	1.9					2.15	
Poultry	5.39					3.12	

Source: Agricultural Outlook & Situation Analysis Report (Fifth Medium-term Agricultural Outlook Report), July 2016, NCAER

Table 12.2: Production, Consumption & Year-end Stocks Projections of major Crops

Commodity	Agency	Production			Consumption			Stocks (Year-end)		
		2014	2020	2024	2014	2020	2024	2014	2020	2024
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Wheat	FAO/OECD	95,910	1,03,612	1,10,178	87,100	99,673	1,08,585	26,838	32,774	31,214
	USDA	88,940	1,04,293	1,10,039	93,940	1,03,418	1,08,945	11,900	9,426	10,930
Rice	FAO/OECD	1,04,800	1,14,898	1,22,637	98,750	1,08,700	1,15,287	20,000	15,980	14,979
	USDA	1,04,800	1,12,446	1,17,078	98,097	1,02,751	1,05,953	17,660	11,062	13,109
Maize	USDA	482 083	482 580	499 861	463 665	487 989	506 352	74 965	67 248	71 713
Soybean	USDA	1,255	1,869	2,012	4,049	5,187	5,781	260	250.1	247.4
Sugar	FAO/OECD	26,300	25,978	27,430	25,525	28,691	31,284	12,138	11,447	13,935

Source: Agricultural Outlook & Situation Analysis Report (Fifth Medium-term Agricultural Outlook Report), July 2016, NCAER

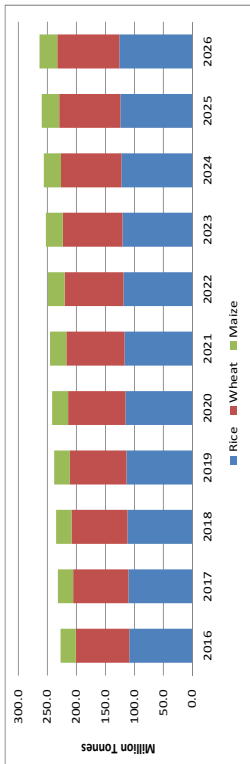
Table 12.3: Production Projections of Potatoes and Onion

Commodity	Production	2013	2014	2017	2023
(1)	(2)	(3)	(4)	(5)	(6)
Potato	Production (MMT)	41.5	46.0	53.6	76.5
	India share in world (%)	11.3	12.4	14.0	18.8
Onion	Production (MMT)	19.4	18.7	25.4	51.5
	India share in world (%)	22.5	20.8	24.8	37.4

Source: Agricultural Outlook & Situation Analysis Report, (Fifth Medium-term Agricultural Outlook Report), July 2016, NCAER

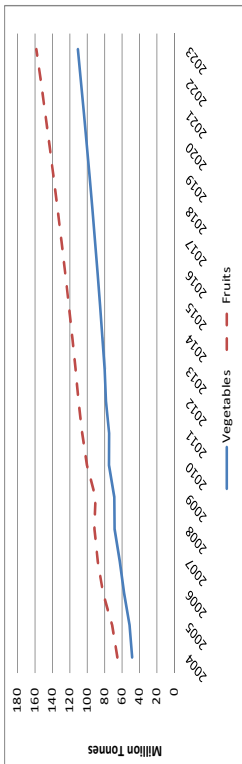
Note: There are no global medium-term projections for potato and onions. Projections here are made by NCAER using the Directorate of Economics and Statistics data and FAO data on global area, production and yield of these commodities (2000–2014) and applying a trend growth rate

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



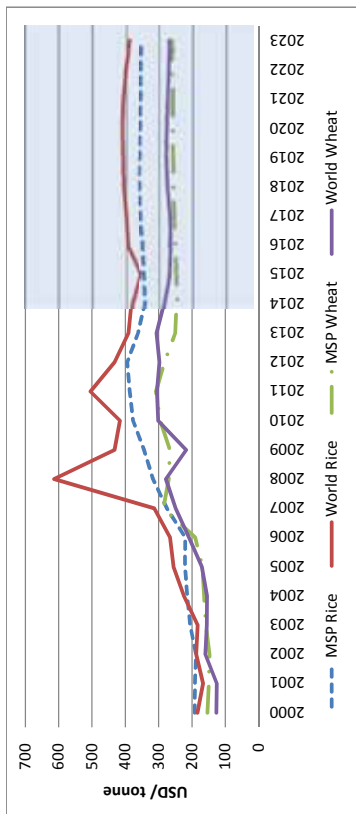
Source: OECD-FAO Agriculture Outlook (2017-2026)

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



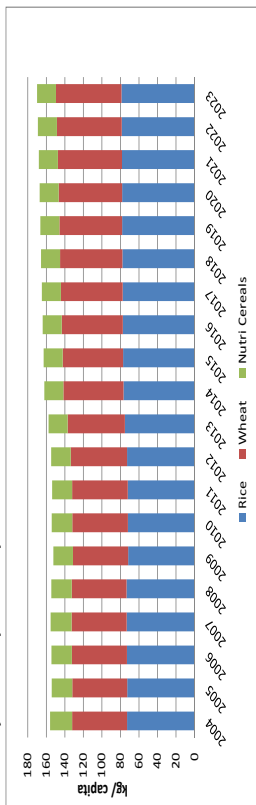
Source: OECD-FAO Agriculture Outlook (2014-2023)

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



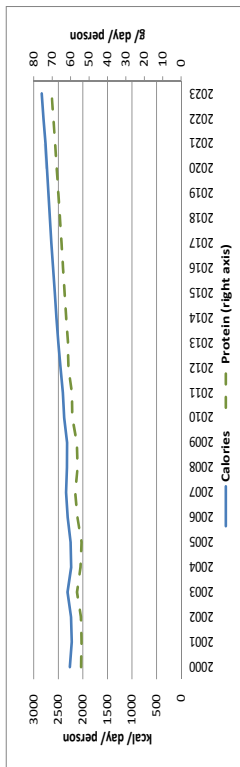
Source: OECD- FAO Agriculture Outlook (2014-2023)

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)

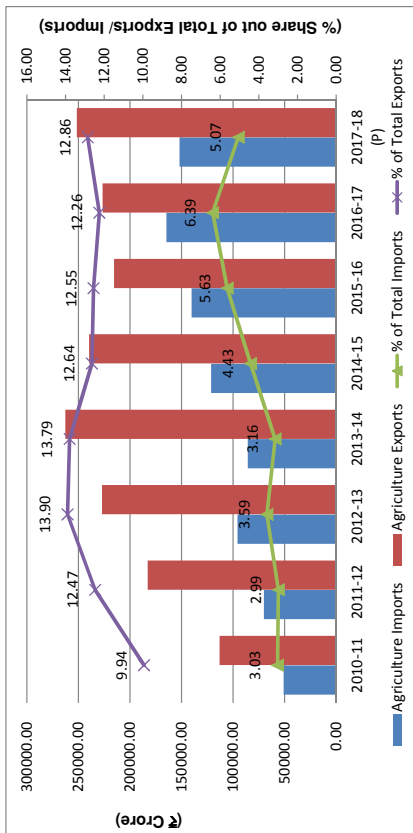
Year	Agricultural Imports	Total Imports	Share of Agricultural Imports in Total Imports (%)	Agricultural Exports	Total Exports	Share of Agricultural Exports in Total Exports (%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1990-91	1205.86	43170.82	2.79	6012.76	32527.28	18.49
2000-01	12086.23	228306.64	5.29	28657.37	201356.45	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	2490298.08	5.63	215396.55	1716378.05	12.55
2016-17	164726.83	2577675.37	6.39	226651.91	1849433.55	12.26
2017-18 (P)	152095.20	3001033.43	5.07	251563.94	1956514.53	12.86

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

(P) - Provisional

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

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



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

Table 13.2: India's Imports of Principal Agricultural Commodities

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

Commodity (1)	2015-16		2016-17		2017-18 (P)	
	Quantity (2)	Value (3)	Quantity (4)	Value (5)	Quantity (6)	Value (7)
Tea	23.72	377.47	24.89	338.35	24.94	356.99
Coffee	65.61	801.83	78.04	926.81	77.22	996.50
Rice- Basmati						
Rice(other than Basmati)	1.02	5.91	1.14	7.25	2.12	12.18
Wheat	517.67	872.59	5749.43	8509.05	1649.73	2357.84
Other cereals	206.14	344.31	311.37	493.18	265.13	433.90
Pulses	5797.71	25619.06	6609.49	28523.18	5607.53	18748.57
Tobacco unmanufactured	2.88	137.30	1.97	77.21	1.54	69.47
Tobacco manufactured	-	193.92	-	228.54	-	185.92
Spices	197.06	5399.95	242.29	5760.25	222.33	6385.26
Cashew	961.67	8701.28	774.51	9027.09	654.02	9134.33
Cashew nut shell liquid	1.86	5.60	1.69	3.67	2.09	5.66
Sesame seeds	23.60	179.66	69.03	442.15	26.27	176.77
Niger seeds	5.78	44.14	10.66	82.82	5.33	29.00
Groundnut	0.11	0.31	0.33	1.39	1.72	13.04

(Contd.)

Table:13.2: (Contd.)

Commodity	2015-16		2016-17		2017-18 (P)	
	Quantity	Value	Quantity	Value	Quantity	Value
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Other oil seeds	62.51	218.62	116.64	392.36	127.35	364.59
Vegetable oils	15643.74	68676.62	14007.39	73038.98	15361.02	74995.91
Oil meals	256.55	429.91	550.43	974.59	485.96	746.67
Guargam meal	0.63	13.93	0.18	2.41	0.43	3.30
Castor oil	0.03	1.10	0.11	1.50	0.04	2.54
Shellac	0.71	19.48	0.46	13.43	0.47	18.38
Sugar	1943.13	4037.86	2146.15	6868.61	2402.98	6035.84
Mollases	17.27	7.50	13.84	9.04	72.85	69.29
Fruits / vegetable seeds	14.33	703.03	14.07	653.33	16.05	768.26
Fresh fruits	857.90	11071.57	1057.51	11290.62	994.70	12524.55
Fresh vegetables	140.73	394.45	8.55	11.12	15.66	25.64
Processed vegetables	15.38	120.33	13.32	115.26	15.34	134.83
Processed fruits and juices	40.49	526.49	42.99	548.10	53.59	803.81
Cereal preparations	61.70	575.42	66.46	579.03	71.10	659.68
Cocoa products	56.42	1398.91	63.61	1542.28	71.26	1473.10
Milled products	4.39	21.40	3.56	16.22	3.28	13.02
Misc processed items	-	1811.12	-	2115.82	-	2249.73
Animal casings	0.00	0.00	0.00	0.00	0.00	0.00

(Contd.)

Table:13.2: (Contd.)

Commodity	2015-16		2016-17		2017-18 (P)	
	Quantity	Value	Quantity	Value	Quantity	Value
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Buffalo meat	0.00	0.00	0.00	0.00	0.00	0.00
Sheep/goat meat	0.05	4.80	0.13	8.50	0.22	13.36
Other meat	0.50	17.18	0.59	19.03	0.78	27.80
Processed meat	0.07	2.75	0.13	4.47	0.10	3.22
Dairy products	18.30	371.58	16.91	254.84	23.39	312.59
Poultry products	-	26.42	-	29.46	-	26.87
Floriculture products	4.77	114.40	5.57	133.81	6.24	136.46
Alcoholic beverages	-	2935.85	-	3590.33	-	3876.14
Marine products	50.35	639.77	52.02	633.39	44.71	793.30
Ayush and herbal products	11.67	354.35	11.36	358.87	13.64	392.72
Jute, raw	88.37	363.44	138.84	704.13	68.14	289.02
Jute hessian	-	181.41	-	57.45	-	122.38
Cotton raw incld. Waste	233.14	2566.21	499.62	6338.92	469.13	6306.77
Total Agricultural Imports	-	140289.22	-	164726.83	-	152095.20
Total National Imports	-	2490305.54	-	2577675.37	-	3001033.43
% Share of Agricultural Import in National Imports	-	5.63	-	6.39	-	5.07

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

(P) - Provisional

Table 13.3: India's Exports of Principal Agricultural Commodities

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

Commodity (1)	2015-16		2016-17		2017-18 (P)	
	Quantity (2)	Value (3)	Quantity (4)	Value (5)	Quantity (6)	Value (7)
Tea	245.70	4719.00	243.43	4905.64	272.89	5396.65
Coffee	255.74	5125.45	288.61	5646.43	317.83	6245.36
Rice-Basmati	4045.83	22718.60	3985.21	21512.91	4056.85	26870.67
Rice(other than Basmati)	6464.59	15483.39	6770.83	16929.88	8818.53	23437.23
Wheat	666.68	1061.77	265.61	447.85	322.79	624.37
Other cereals	967.93	1702.50	734.77	1425.77	864.24	1604.28
Pulses	255.72	1655.90	136.72	1277.70	179.60	1469.63
Tobacco unmanufactured	215.32	4373.45	204.45	4249.85	185.36	3828.13
Tobacco manufactured	-	2078.91	-	2174.12	-	2193.58
Spices	831.68	16630.14	1014.45	19111.25	1096.32	20084.91
Cashew	103.13	5027.99	91.79	5278.61	90.06	5945.28
Cashew nut shell liquid	11.68	57.59	11.40	43.99	8.33	32.63
Sesame seeds	328.46	3012.31	307.33	2695.84	336.85	2990.93
Niger seeds	14.12	123.27	14.07	117.22	9.22	69.86
Groundnut	542.73	4075.63	725.71	5444.33	504.04	3386.30
Other oil seeds	204.62	964.47	193.27	846.58	295.10	1126.32

(Contd.)

Table:13.3: (Contd.)

Commodity	2015-16		2016-17		2017-18 (P)	
	Quantity	Value	Quantity	Value	Quantity	Value
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Vegetable oils	30.60	522.94	60.47	779.97	37.06	566.04
Oil meals	2056.36	3599.56	2632.26	5410.10	3570.78	7043.15
Guargam meal	325.25	3233.87	419.95	3106.62	494.13	4169.56
Castor oil	586.78	4616.10	599.20	4521.51	697.09	6730.00
Shellac	6.39	203.31	6.06	225.53	6.53	285.18
Sugar	3844.45	9824.52	2544.01	8659.54	1757.93	5225.60
Mollases	818.57	656.84	390.67	314.94	123.97	97.45
Fruits / vegetable seeds	13.10	529.19	11.29	522.75	14.47	670.91
Fresh fruits	654.66	4191.24	817.06	4974.21	714.00	4913.28
Fresh vegetables	2104.36	5237.10	3404.07	5790.71	2448.02	5297.72
Processed vegetables	174.43	1697.22	192.86	1765.75	212.20	1823.36
Processed fruits and juices	532.29	3767.08	533.15	3921.08	573.28	4169.13
Cereal preparations	316.54	3358.12	339.95	3565.55	353.35	3561.69
Cocoa products	32.65	1267.61	25.65	1086.77	29.58	1144.35
Milled products	431.46	1102.73	255.80	813.54	270.40	876.62
Misc processed items	-	2907.85	-	3053.79	-	3548.95
Animal casings	0.21	17.02	0.17	13.84	12.42	327.44
Buffalo meat	1314.22	26684.22	1323.58	26161.38	1350.25	26035.19

(Contd.)

Table:13.3: (Contd.)

Commodity (1)	2015-16		2016-17		2017-18 (P)	
	Quantity (2)	Value (3)	Quantity (4)	Value (5)	Quantity (6)	Value (7)
Sheep/goat meat	21.95	837.76	22.01	869.84	22.80	843.61
Other meat	0.00	0.00	0.01	0.21	0.45	7.00
Processed meat	0.28	6.16	0.14	4.58	0.27	9.89
Dairy products	77.53	1677.46	90.35	1701.18	102.26	1954.63
Poultry products	-	769.14	-	530.44	-	552.09
Floriculture products	22.69	483.41	22.02	546.71	20.70	507.32
Alcoholic beverages	-	2030.92	-	2004.79	-	2105.78
Marine products	978.04	31219.48	1185.27	39593.78	1432.46	47646.41
Ayush and herbal products	95.88	2385.49	83.36	2693.57	89.10	2940.06
Jute, raw	25.11	113.58	18.18	76.63	27.20	95.43
Jute hessian	-	824.89	-	927.32	-	909.94
Cotton raw incld. Waste	1347.07	12821.13	996.09	10907.32	1101.47	12200.05
Total Agricultural Exports	-	215396.32	-	226651.91	-	251563.94
Total National Exports	-	1716384.40	-	1849433.55	-	1956514.53
% Share of Agricultural Exports in National Exports	-	12.55	-	12.26	-	12.86

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

(P) - Provisional

Table 13.4: Leading Exporters and Importers of Agricultural Products in 2017

(Billion Dollars and Percentage)

Country/Group	Value 2017	Share in world exports/imports				Annual percentage change			
		2000	2005	2010	2017	2010-17	2015	2016	2017
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Exporters									
European Union (28)	647	42.0	44.4	39.4	37.4	3	-13	2	8
extra-EU (28) exports	173	10.1	9.7	9.4	10.0	4	-12	2	9
United States of America	170	13.0	9.8	10.5	9.8	3	-10	-1	5
Brazil	88	2.8	4.1	5.1	5.1	4	-9	-4	14
China	79	3.0	3.4	3.8	4.6	6	-2	4	5
Canada	67	6.3	4.9	3.8	3.9	4	-7	-1	6
Indonesia	49	1.4	1.7	2.6	2.8	4	-10	-2	24
Thailand	43	2.2	2.1	2.6	2.5	3	-8	1	18
Australia	40	3.0	2.5	2.0	2.3	6	-7	-6	17
India	39	1.1	1.2	1.7	2.3	8	-19	-4	16
Argentina	36	2.2	2.3	2.6	2.1	0	-9	7	-4
Above 10	1258	77.0	76.3	74.1	72.6	-	-	-	-
Importers									
European Union (28)	649	42.7	45.3	40.3	36.6	2	-12	2	7
extra-EU (28) imports	177	13.2	12.6	11.1	10.0	2	-9	0	7

(Contd.)

Table: 13.4: (Contd.)

Country/Group	Value 2017	Share in world exports/imports				Annual percentage change			
		2000	2005	2010	2017	2010-17	2015	2016	2017
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
China	183	3.3	5.0	7.8	10.3	8	-6	-3	18
United States of America	161	11.6	10.6	8.4	9.1	5	0	2	1
Japan	79	10.4	7.3	5.6	4.4	0	-10	1	7
Canada ^b	39	2.6	2.4	2.3	2.2	3	-5	-1	3
Korea, Republic of	35	2.2	1.9	1.9	2.0	4	-6	-2	8
India	33	0.7	0.8	1.3	1.9	9	1	5	13
Russian Federation ^b	30	1.3	1.9	2.6	1.7	-3	-33	-6	16
Mexico ^b	29	1.8	1.8	1.7	1.6	3	-8	0	6
Hong Kong, China	29	-	-	-	-	5	-6	3	2
retained imports ^a	18	1.1	0.8	1.0	1.0	4	-9	2	-1
Above 10	1257	77.5	77.9	72.8	70.8	-	-	-	-

Source: World Trade Statistical Review 2018, World Trade Organisation

Note: 'a' Includes WTO Secretariat's estimates and 'b' Imports are valued f.o.b.



14 INTERNATIONAL COMPARISONS

Table 14.1: India's Position in World Agriculture in 2016

Item (1)	India (2)	World (3)	% Share (4)	India's Rank (5)	Next to (6)
1. Area (Million Hectares)					
Total Area	328.73	13490.08	2.44	Seventh	Russian Federation, Canada, U.S.A., China, Brazil, Australia
Land Area	297.32	13008.76	2.29	Seventh	Russian Federation, China, U.S.A., Canada, Brazil, Australia
Arable Land	156.46	1423.79	10.99	First	
2. Population (Million)					
Total	1324.17	7466.96	17.73	Second	China
Rural	867.27	3370.78	25.73	First	
3. Crop Production (Million Tonnes)					
(A) : Total Cereals	297.85	2909.20	10.24	Third	China, U.S.A
Wheat	92.29	749.01	12.32	Second	China
Rice (Paddy)	163.70	756.16	21.65	Second	China
(B): Pulses	18.15	83.46	21.75	First	
(C): Oilseeds					
Groundnut (in shell)	7.46	44.91	16.62	Second	China
Rapeseed	6.80	68.09	9.98	Third	Canada, China
(D): Commercial Crops					
Sugarcane	348.45	1861.18	18.72	Second	Brazil

(Contd.)

Table 14.1: (Contd.)

Item (1)	India (2)	World (3)	% Share (4)	India's Rank (5)	Next to (6)
Tea	1.25	5.91	21.14	Second	China
Coffee (green)	0.35	9.32	3.73	Seventh	Brazil, Vietnam, Colombia, Indonesia, Ethiopia, Honduras
Jute	1.90	3.31	57.31	First	
Cotton (lint)*	6.05	24.77	24.43	Second	China
Tobacco Unmanufactured	0.78	6.40	12.23	Second	China
4. Fruits & Vegetables Production (Million Tonnes)					
(A): Vegetables Primary & Melons	123.63	1229.51	10.06	Second	China
(B): Fruits Primary (excluding Melons)	88.47	710.50	12.45	Second	China
(C): Potatoes	43.42	374.25	11.60	Second	China
(D): Onion (Dry)	20.93	94.94	22.05	Second	China
5. Livestock (Million Heads)					
(A): Cattle	186.04	1488.96	12.49	Second	Brazil
(B): Buffaloes	112.57	199.39	56.46	First	
(C): Camels	0.34	33.83	1.00	Sixteenth	Somalia, Chad, Sudan, Kenya, Niger, Mauritania, Ethiopia, Mali, Pakistan, Saudi Arabia, U.A.E, Yemen, Mongolia, Algeria, Eritrea
(D): Sheep	64.30	1188.47	5.41	Third	China, Australia

(Contd.)

Table 14.1: (Contd.)

Item	India	World	% Share	India's Rank	Next to
(1)	(2)	(3)	(4)	(5)	(6)
(E): Goats	134.13	1025.64	13.08	Second	China
(F): Chicken	775.29	22562.53	3.44	Sixth	China, Indonesia, U.S.A, Brazil, Iran
6. Dairy Products (Million Tonnes)					
(A): Milk Total	165.33	809.80	20.42	First	
(B): Eggs (Primary) Total	4.56	85.84	5.31	Third	China, U.S.A
(C): Meat, Total	7.20	330.50	2.18	Sixth	China, U.S.A, Brazil, Russian Federation, Germany

Source: FAOSTAT (as on 03.01.2019)

* Data relates to 2013

Table 14.2: Area, Production and Yield of Principal crops in various Countries in 2016

Area - 000 Hectares

Production - 000 Tonnes

Yield - Kg./Hectare

Country/Group	Area	Production	Yield	Production (%)
(1)	(2)	(3)	(4)	(5)
1. Paddy				
World	165219	756158	4577	100.00
China	30746	211094	6866	27.92
India	43190	163700	3790	21.65
Indonesia	15156	79355	5236	10.49
Bangladesh	11001	50453	4586	6.67
Vietnam	7735	43112	5574	5.70
Thailand	9340	26653	2854	3.52
Myanmar	6724	25673	3818	3.40
Philippines	4556	17627	3869	2.33
Nigeria	5608	11346	2023	1.50
Brazil	1944	10622	5464	1.40
2. Wheat				
World	220253	749015	3401	100.00
China	24696	133271	5396	17.79
India	30420	92290	3034	12.32
Russian Federation	27313	73295	2684	9.79
United States of America	17746	62833	3541	8.39
Canada	9262	32140	3470	4.29
France	5563	29504	5304	3.94
Ukraine	6206	26099	4206	3.48
Pakistan	9224	25633	2779	3.42
Germany	3202	24464	7641	3.27
Australia	11282	22275	1974	2.97
3. Maize				
World	195363	1100226	5632	100.00

(Contd.)

Table:14.2: (Contd.)

Country/Group	Area	Production	Yield	Production (%)
(1)	(2)	(3)	(4)	(5)
United States of America	35106	384778	10960	34.97
China	44178	263613	5967	23.96
Brazil	14959	64143	4288	5.83
Argentina	5347	39793	7443	3.62
Mexico	7598	28251	3718	2.57
Ukraine	4252	28075	6602	2.55
India	9900	25900	2616	2.35
Indonesia	4444	23578	5306	2.14
Russian Federation	2777	15310	5513	1.39
Canada	1318	13889	10540	1.26
4. Pulses				
World	87159	83459	958	100.00
India	30849	18154	588	21.75
Canada	4043	8130	2011	9.74
Myanmar	4362	6577	1508	7.88
China, mainland	2607	4515	1732	5.41
United States of America	1679	3415	2034	4.09
Nigeria	3728	3115	836	3.73
Russian Federation	1682	2943	1750	3.53
Ethiopia	1513	2733	1806	3.28
Brazil	2602	2623	1008	3.14
Australia	2018	2415	1197	2.89
5. Sugarcane				
World	26537	1861183	70134	100.00
Brazil	10223	768564	75180	41.29
India	4950	348448	70394	18.72
China	1402	103215	73620	5.55
Thailand	1409	90090	63948	4.84
Pakistan	1131	65451	57879	3.52

(Contd.)

Table:14.2: (Contd.)

Country/Group	Area	Production	Yield	Production (%)
(1)	(2)	(3)	(4)	(5)
Mexico	781	56447	72270	3.03
Colombia	402	34760	86399	1.87
Australia	447	34403	76929	1.85
Guatemala	260	33533	129049	1.80
United States of America	365	29250	80033	1.57
6. Groundnut (in shell)				
World	27955	44909	1606	100.00
China	4448	16361	3678	36.43
India	5800	7462	1287	16.62
Nigeria	2680	3582	1336	7.98
United States of America	622	2532	4073	5.64
Sudan	2315	1826	789	4.07
Myanmar	989	1572	1590	3.50
Argentina	342	1001	2929	2.23
Chad	791	871	1102	1.94
Cameroon	454	748	1647	1.66
Senegal	880	719	817	1.60
7. Tobacco Unmanufactured				
World	3564	6399	1795	100.00
China	1153	2574	2232	40.22
India	461	783	1698	12.23
Brazil	377	677	1799	10.59
United States of America	129.36	285	2205	4.46
Zimbabwe	143	171	1193	2.67
Indonesia	156	127	813	1.98
Zambia	71	125	1761	1.96
Pakistan	52	116	2242	1.81
Malawi	113	109	968	1.71
United Republic of Tanzania	116	101	877	1.58

Source: FAOSTAT (as on 31.12.2018).

Table 14.3: Major Macro Economic Indicators of India, G-20 and World in 2017

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	838.15	18932.17	5.61	0.54	NA
Australia	7741220	25	1098.31	44648.71	2.77	2.58	1.95
Brazil	8515770	209	2951.69	14103.45	4.57	10.32	3.45
Canada	9984670	37	1615.80	44017.59	NA	1.95	1.60
China	9562910	1386	21223.92	15308.71	7.92	17.51	1.59
France	549087	67	2591.16	38605.67	1.51	2.87	1.03
Germany	357580	83	3740.23	45229.25	0.63	1.28	1.74
India	3287259	1339	8611.07	6430.11	15.47	42.74	3.33
Indonesia	1913580	264	2953.73	11188.74	13.14	31.17	3.81
Italy	301340	61	2132.63	35220.08	1.92	3.91	1.23
Japan	377970	127	4944.93	39002.22	NA	3.49	0.47
Mexico	1964375	129	2238.49	17330.73	3.42	13.11	6.04
Russian Federation	17098250	144	3636.65	24765.95	4.01	6.70	3.68
Saudi Arabia	2149690	33	1613.50	48985.55	2.54	6.26	-0.83

(Contd.)

Table 14.3: (Contd.)

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)
South Africa	1219090	57	697.31	12294.47	2.29	5.55	5.18
Republic of Korea	100339	51	1849.61	35938.37	1.96	4.89	1.94
Turkey	785350	81	2029.49	25134.61	6.08	19.39	11.14
United Kingdom	243610	66	2624.60	39753.24	0.52	1.11	2.56
United States of America	9831510	326	17662.27	54225.45	NA	1.66	2.13
European Union	4384318	512	19075.98	37224.23	1.46	4.25	1.58
World	132036621	7530	116542.11	15476.30	NA	26.47	2.19

Source: World Development Indicators, World Bank

* Modeled ILO Estimates

Table 14.4: Major Economic, Social and Land Use Indicators of BRICS Countries in 2016

Indicator (1)	Brazil (2)	Russia (3)	India (4)	China (5)	South Africa (6)
Macro-Economic Indicators					
Total Population (Million)	207.65	144.34	1324.17	1378.67	56.02
Urban Population (% of Total)	84.93	72.95	32.46	57.00	62.75
Share in World Exports (%)	1.50	2.30	1.70	16.80	0.60
GDP in PPP (US \$ Billion)- current international \$	3152.48	3640.30	8705.01	21411.54	742.24
GDP (US \$ Billion)	1795.93	1246.02	2259.64	11218.21	295.44
Per Capita GDP (US \$)	8639.40	8759.00	1717.50	8117.30	5279.70
Land Use Indicators					
Land Area (Million ha)	835.81	1637.69	297.32	938.82	121.31
Arable Land Area (Million Ha)	80.98	123.12	156.46	119.49	12.50
Land Area Equipped for Irrigation (Million Ha)	5.40	4.30	70.40	73.00	1.67
Land Area Equipped for Irrigation (% of arable land)	6.67	3.49	44.99	61.09	13.36
Area Harvested for Cereals (Million Ha)	20.12	44.42	98.59	103.35	2.67
Production of Cereals (Million Tonnes)	84.13	117.74	297.85	618.01	10.19
Major Health Indicators					
Health expenditure per capita (current US\$)*	780.40	523.77	63.32	425.63	470.80
Health expenditure, public (% of GDP)*	3.81	3.40	1.00	3.18	4.39
Health expenditure, total (% of GDP)*	8.91	5.56	3.89	5.32	8.20

(Contd.)

Table 14.4: (Contd.)

Indicator (1)	Brazil (2)	Russia (3)	India (4)	China (5)	South Africa (6)
Life expectancy at birth, total (years)	75.51	71.59	68.56	76.25	62.77
Mortality rate, infant (per 1,000 live births)	14.60	6.90	33.60	8.60	30.00
Labor and Social Protection Indicators					
Age dependency ratio, young (% of working-age population)	31.80	25.10	42.70	24.50	44.50
Birth rate, crude (per 1,000 people)	14.20	12.90	19.00	12.00	21.00
Population growth (annual %)	0.80	0.20	1.10	0.50	1.30
Labor participation rate, total (% of total population ages 15+)	62.07	69.54	53.93**	70.89	54.72
Unemployment, total (% of total labor force)	11.61	5.56	3.51**	4.65**	26.55

Source:

1. World Development Indicators, World Bank
2. World Trade Statistical Review, WTO
3. FAO Statistics, FAO

* Figures are for 2015, ** Modeled ILO Estimates

NA: Not Available

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

Indicator	India			China		
	2015	2016	2017	2015	2016	2017
(1)	(2)	(3)	(4)	(5)	(6)	(7)
GDP Growth (annual %)	8.15	7.11	6.68	6.90	6.70	6.90
Population growth (annual %)	1.10	1.10	1.10	0.50	0.50	0.60
Arable land (% of land area)	52.60	52.60	52.60	12.70	12.70	12.70
Agricultural area ('000 Hectare)	179721.00	179721.00	179721.00	527833.00	527733.00	527733.00
Agricultural area (% of land area)	60.40	60.40	60.40	56.20	56.20	56.20
Land area equipped for irrigation (% of total agricultural land)	39.17	39.17	NA	13.57	13.81	NA
Agriculture, value added (% of GDP)	16.20	16.30	15.47	8.80	8.60	7.92
Total Agricultural Emissions (CO2 equivalent) in gigagrams	631025.02	636186.46	NA	686221.75	690958.31	NA
Fertilizer consumption (kilograms per hectare of arable land)	170.98	165.85	NA	506.11	503.32	NA
Inflation, Consumer Prices (annual %)	4.91	4.95	3.33	1.44	2.00	1.59
Area Harvested (Million Hectares)	Wheat	31.47	30.42	30.60	24.60	24.51
	Rice (Paddy)	43.39	43.19	43.79	31.04	31.04
	Maize	8.69	9.90	9.22	45.00	42.43
	Soybean	11.67	11.50	10.60	6.51	7.34

(Contd.)

Table: 14.5: (Contd.)

Indicator		India			China		
		2015	2016	2017	2015	2016	2017
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Production (Million Tonnes)	Wheat	86.53	92.29	98.51	132.65	133.28	134.34
	Rice (Paddy)	156.54	163.70	168.50	213.72	212.68	214.43
	Maize	22.57	25.90	28.72	265.16	263.78	259.23
	Soybean	8.57	13.16	10.98	11.79	12.79	13.15

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

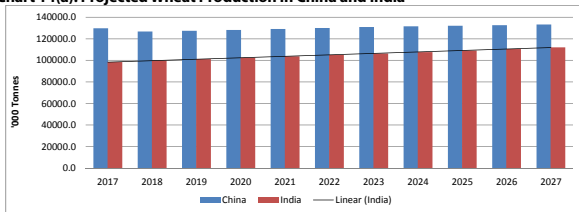
NA: Not Available

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

Country/Group	2011	2012	2013	2014	2015	2016	2017
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Australia	3.3	1.8	2.4	2.5	1.5	1.3	1.9
Brazil	6.6	5.4	6.2	6.3	9.0	8.7	3.4
Canada	2.9	1.5	0.9	1.9	1.1	1.4	1.6
China	5.6	2.6	2.6	1.9	1.4	2.0	1.6
Euro area	3.3	2.5	1.4	0.2	0.0	0.2	1.4
Germany	2.1	2.0	1.5	0.9	0.2	0.5	1.7
European Union	3.3	2.7	1.4	0.2	-0.1	0.2	1.6
Italy	2.8	3.0	1.2	0.2	0.0	-0.1	1.2
India	8.9	9.3	10.9	6.4	4.9	4.9	3.3
Indonesia	5.4	4.3	6.4	6.4	6.4	3.5	3.8
Hong Kong SAR, China	5.3	4.1	4.3	4.4	3.0	2.4	1.5
Japan	-0.3	-0.1	0.3	2.8	0.8	-0.1	0.5
Mexico	3.4	4.1	3.8	4.0	2.7	2.8	6.0
OECD members	3.3	2.5	1.4	0.6	0.2	0.4	1.8
Russian Federation	8.4	5.1	6.8	7.8	15.5	7.0	3.7
Singapore	5.2	4.6	2.4	1.0	-0.5	-0.5	0.6
South Asia	9.7	9.4	7.6	6.8	4.2	4.3	3.9
South Africa	5.0	5.7	5.8	6.1	4.5	6.6	5.2
Switzerland	0.2	-0.7	-0.2	0.0	-1.1	-0.4	0.5
United Kingdom	4.5	2.8	2.6	1.5	0.1	0.6	2.7
United States	3.2	2.1	1.5	1.6	0.1	1.3	2.1
World	4.8	3.7	2.6	2.4	1.4	1.5	2.2

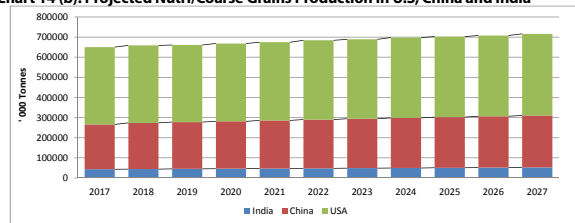
Source: World Development Indicators, World Bank

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



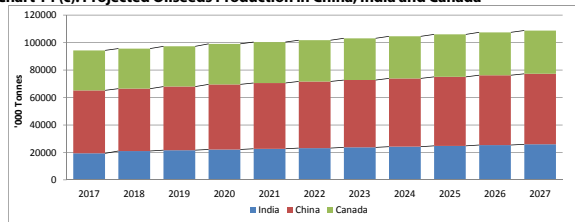
Source: OECD- FAO Agriculture Outlook 2018-27

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



Source: OECD- FAO Agriculture Outlook 2018-27

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



Source: OECD- FAO Agriculture Outlook 2018-27

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



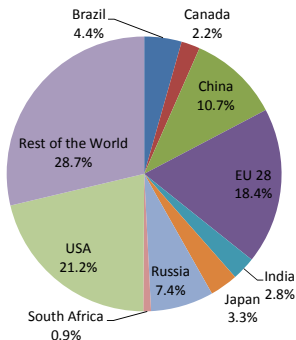
15 GLOBAL EMISSIONS

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

Country/Group	2011	2012	2013	2014
(1)	(2)	(3)	(4)	(5)
World	4.97	5.00	4.99	4.97
OECD members	9.96	9.75	9.68	9.52
United States of America	16.97	16.30	16.31	16.49
Australia	17.54	17.07	16.08	15.37
Canada	15.64	14.89	14.71	15.12
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	9.00	8.85	8.67	8.98
Germany	9.12	9.20	9.39	8.89
Iran, Islamic Rep.	7.80	8.00	8.00	8.28
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	4.60	4.57	4.46	4.75
France	5.08	5.08	5.06	4.57
Brazil	2.21	2.34	2.49	2.59
Indonesia	2.46	2.56	1.95	1.82
India	1.48	1.60	1.59	1.73

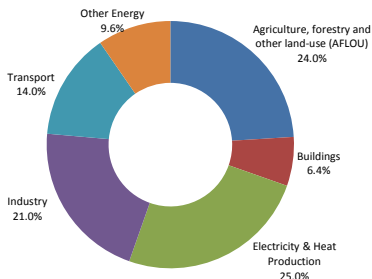
Source: World Development Indicators, World Bank

Chart 15 (a): Contribution by different countries to cumulative global CO₂ (1850-2011)



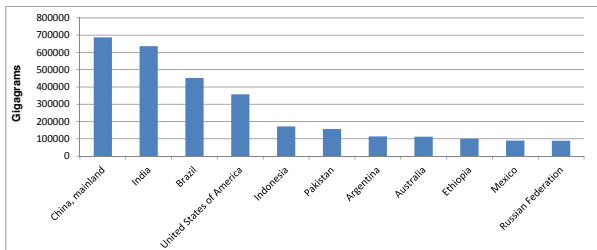
Source: Economic Survey 2014-15, Ministry of Finance

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



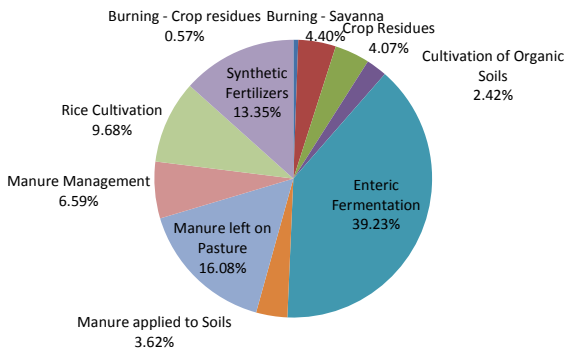
Source: Economic Survey 2014-15, Ministry of Finance

Chart 15 (c): Total Agricultural Emissions (CO₂ equivalent) in major countries in 2016



Source: FAOSTAT (as on 15-02-2019)

Chart 15 (d): Source-wise Total GHG Emissions from Agriculture Sector in 2016



Source: FAOSTAT (as on 25-01-2019)



APPENDICES

A.1: Explanatory Notes

Advance Estimates

"The estimates of area, production and yield rates for 2017-18 are "Advance Estimates" as on 28-08-2018 and are based on 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 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 2017-18

The index numbers of area, production and yield rate for 2017-18 (from where growth rates have been derived) are based on advance estimates of principal crops as on 28-08-2018. However, there are a number of 'non-forecast' crops such as plantation crops and spices for which no advance estimates for 2017-18 (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

$$NAF = GP - SFW - e + i + s$$

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
	5.55 Bales of Raw Jute (of 180 Kgs. Each)
1 Ton of Sacking	1.11 Tons of Raw Jute
	6.17 Bales of Raw Jute (of 180 Kgs. Each)
1 Ton of Hessian	1.05 Tons of Raw Jute
Sacking etc.	5.85 Bales of Raw Jute (of 180 Kgs. Each)
Groundnut	
Kernel to Nuts in Shell	70 Percent
Oil to Nuts in Shell	28 Percent
Oil to Kernels Crushed	40 Percent
Cake to Kernels Crushed	60 Percent
Sesamum	
Oil to Seeds Crushed	40 Percent
Cake to Seeds Crushed	60 Percent
Rapseed and Mustard	
Oil to Seeds Crushed	33 Percent
Cake to Seeds Crushed	67 Percent

(Contd.)

Commodity	Conversion Factor
(1)	(2)
Linseed	
Oil to seeds Crushed	33 Percent
Cake to Seeds Crushed	67 Percent
Castorseed	
Oil to Seeds Crushed	37 Percent
Cake to Seeds Crushed	63 Percent
Cotton Seed	
Oil to Seeds Crushed	14 to 18 Percent
Cake to Seeds Crushed	82 to 86 Percent
Coconut	
Copra to Nuts	One Ton of Copra = 6773 Nuts
Oil to Copra Crushed	62 Percent
Cake to Copra Crushed	38 Percent
Nigerseed	
Oil to Seeds Crushed	28 Percent
Cake to Seeds Crushed	72 Percent
Kardi Seed	
Oil to Seeds Crushed	40 Percent
Cake to Seeds Crushed	60 Percent
Mahua Seed	
Oil to Seeds Crushed	36 Percent
Cake to Seeds Crushed	64 Percent
Neem Seed	
Oil to Kernels Crushed	45 to 50 Percent
Cake to Kernels Crushed	50 to 55 Percent
Soybean Seed	
Oil to Soybean Seed Crushed	18 Percent
Meal to Soybean Seed Crushed	73 Percent

(Contd.)

Commodity	Conversion Factor
(1)	(2)
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	Variety Seed Rate	Hybrid Seed Rate
(1)	(2)	(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	50-60t	
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

(Contd.)

Crop	Variety Seed Rate	Hybrid Seed Rate
(1)	(2)	(3)
Sesame	5	
Niger	5	
Safflower	7	
Linseed	30 for seed type	
	45 for dual purpose type	
Castor	5	5
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 2018

1) Rainfall during 2018 (January – December, 2018)

In 2018 (as on 31st October, 2018), the rainfall (January to December, 2018) over the country as a whole was 85% of Long Period Average (LPA). Out of 36 meteorological subdivisions, 01 subdivision received excess rainfall, 22 subdivisions received normal rainfall and 13 subdivisions received deficient rainfall. Season wise rainfall distribution over the country as a whole was as follows:

Winter (January to February 2018): 37% of LPA

Pre-monsoon (March to May 2018): 89% of LPA

Monsoon (June to September 2018): 91% of LPA

Post-Monsoon (October to December 2018): 50% of LPA

2) Season-wise Performance

Winter Season (January- February 2018)

“During the winter season rainfall activity over the country as a whole was recorded 37% deficit of the LPA. At met sub-division level out of 36 met sub-divisions, 01 subdivision received large excess/excess rainfall, 02 subdivisions received normal rainfall, 10 received deficient, 22 sub-divisions received large deficient rainfall and 01 sub-division received no rainfall.”

Pre-Monsoon Season (March- May 2018)

Rainfall activity during the Pre-monsoon season over the country as a whole was recorded normal at 89% of LPA. Out of 36 meteorological sub-divisions, 09 received large excess/excess rainfall, 10 received normal rainfall, 12 received deficient rainfall and 05 met sub-divisions received large deficient rainfall.

Monsoon Season (June-September 2018)

During the monsoon season for the country as a whole, rainfall was 91% of its Long Period Average (LPA). Seasonal rainfall was 98% of LPA over Northwest India & South Peninsula, 93% of LPA over Central India and 76% of LPA over East and Northeast (NE) India. At met sub-division level, out of 36 met sub-divisions, 01 met sub-division received excess rainfall, 23 sub-divisions received normal rainfall and 12 sub-divisions received deficient rainfall. Sub-divisions having Excess/normal rainfall covered 69% of the geographical area of the country. Out of 659 districts for which rainfall data were available, 12 districts (2%) received large excess rainfall, 94 districts (14%) received excess rainfall, 301 districts (46%) normal rainfall,

240 districts (36%) deficient rainfall and 12 districts (2%) received large deficient rainfall.

Post-Monsoon Season (October- upto 4th December, 2018)

“Rainfall activity during the Post-monsoon season (as on 04.12.2018) for the country as a whole was recorded 50% deficit of LPA. Out of 36 meteorological sub-divisions, 01 sub-division received excess rainfall, 05 subdivisions received normal rainfall, 08 sub-divisions received deficient rainfall and 22 sub-divisions received large deficient rainfall.”

A.5 : Major Economic Groups/ Institutions

Group/ Institution	Member Countries
(1)	(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.



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

