



AGRICULTURAL STATISTICS AT A GLANCE 2018



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

Agricultural Statistics at a Glance 2018



Agricultural Statistics at a Glance 2018

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

© Government of India
Controller of Publications

PDES - 259 (E)
700 -2019- (DSK-III)

**SANJAY AGARWAL
SECRETARY**



भारत सरकार
कृषि एवं किसान कल्याण मंत्रालय
कृषि, सहकारिता एवं किसान कल्याण विभाग
Government of India
Ministry of Agriculture & Farmers Welfare
Department of Agriculture, Cooperation
& Farmers Welfare

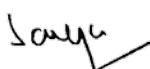
MESSAGE

Agriculture and allied sector forms the bedrock of Indian economy as it engages more than 50% of the workforce and contributes about 17% to the country's Gross Value Added (GVA). The developments in this sector are keenly watched by the policy makers, business, academia and other stakeholders. The flagship publication of Directorate of Economics & Statistics, namely '*Agricultural Statistics at a Glance*' is one of the most reliable sources of information to gauge the performance of agriculture and allied sector in India. This publication provides the exhaustive and updated database on various facets of Indian agriculture, including crop production and productivity across States, growth and investment in agriculture, cost of production, minimum support prices, terms of trade, land-use statistics, agricultural inputs, rainfall, etc.

It gives me immense pleasure to see that the Directorate of Economics & Statistics has continuously endeavored to increase the relevance of this publication by adding information on emerging areas of concern and relevance for the agriculture sector. This issue of the publication has been enriched with the results of latest Agriculture Census 2015-16 (Phase-I), Back Series data of National Accounts Statistics with Base Year 2011-12, and updated information on major recent initiatives by the Government, viz., coverage under Soil Health Card, Pradhan Mantri Fasal Bima Yojana (PMFBY), Micro Irrigation, Cold Chain infrastructure, etc. This publication is also being simultaneously released electronically on the websites of the Department of Agriculture, Cooperation and Farmers Welfare www.agricoop.nic.in and <http://eands.dacnet.nic.in/#>

I compliment Shri P.C. Bodh, Adviser, Ms. Swati Singla, Assistant Economic Adviser, Shri Ashutosh Sharma, Economic Officer and their team members for their efforts in bringing out this volume in record time.

I am sure that this issue will be found useful by policy makers, academicians, research organizations, agri-business community and all other stakeholders. I look forward to the comments for further value addition.


(Sanjay Agarwal)

Date: 31st January, 2019

DR. K. L. PRASAD
Sr. Economic and Statistical Adviser



अर्थ एवं सांख्यिकी निदेशालय
कृषि, सहकारिता एवं किसान कल्याण विभाग
कृषि एवं किसान मंत्रालय
भारत सरकार
Directorate of Economics & Statistics
Department of Agriculture, Cooperation & Farmers Welfare
Ministry of Agriculture & Farmers Welfare
Government of India
Krishi Bhawan, New Delhi-110 001
Telefax : 011-23384036
E-mail: office.esa-agri@nic.in

PREFACE

The Directorate of Economics and Statistics, an attached office of the Department of Agriculture, Cooperation & Farmers Welfare, is the nodal agency to collate and analyze data on various aspects of Indian agriculture. Its annual flagship publication “Agricultural Statistics at a Glance” provides a wide coverage of data on important parameters, like area, production and productivity of various crops across States, land-use statistics, price support and procurement, international trade, credit and insurance.

This issue of the publication has been updated with the latest information on above aspects and also includes information on new areas of concern in agriculture sector. For wider accessibility, a soft copy of the publication has also been uploaded at our websites: www.agricoop.nic.in & <http://eands.dacnet.nic.in/>.

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

A handwritten signature in black ink, appearing to read "Shradha" followed by "Prasad".

(K. L. Prasad)

Date : 21st January, 2019

Team associated with the Publication

Chief Supervision

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 DEO (Gr-A)

Support Staff

Shri Rinku MTS

Contents

Table No.	Particulars	Page No.
	Message	v
	Preface	vii
	Team Associated with the Publication	viii
	Acronyms	xxi-xxv
	Conversion Table	xxvi-xxvii
1.	Methodology of Crop Estimation	1-8
2.	Socio-Economic Indicators	9
2.1	Selected Economic and Social Indicators	10-12
2.2	Population and Growth Rate - 2011	13-14
2.3(a)	Population and Agricultural Workers	15
2.3(b)	State-wise Classification of Workers - 2011	16-21
2.3(c)	State-wise Classifications of Agricultural Workers- 2011	22-27

Table No.	Particulars	Page No.
2.4	State-wise Percentage of Population Below Poverty Line	28
2.5	Population and Labour Force Projections	29
2.6(a)	Gross Value Added (GVA) at basic prices by economic activity at constant (2011-12) prices	30-31
2.6(b)	GVA at basic prices by economic activity at current prices (2011-12 series)	32-33
2.6(c)	Sectoral Share in GVA at current prices (2011-12 series)	34
2.6(d)	Growth of GVA at constant (2011-12) prices	35
2.6(e)	Back Series: GVA by economic activity at constant (2011- 12) prices	36-37
2.6(f)	Back Series: GVA by economic activity at current prices (2011-12 series)	38-39
2.6(g)	Back Series: Sectoral share in GVA at current prices (2011-12 series)	40
2.6(h)	Back Series: Percentage Growth of GVA at constant (2011-12) prices	41
2.7(a)	Gross State Value Added (GSVA) from Agriculture and Allied Sector at constant (2011-12) prices	42-43
2.7(b)	GSVA from Agriculture (including Crop and Livestock sector) at current prices (2011-12 series)	44-45
2.8	Share of Agriculture & Allied Sector in GSVA at current prices (2011-12 Series)	46-47
3.	Outlay, Expenditure and Capital Formation in Agriculture	49
3.1	Outlay/Expenditure on Major Schemes implemented by Departments under Ministry of Agriculture & Farmers Welfare	50-53
3.2	Disaggregated Outlay/ Expenditure on Developmental Heads by Ministry of Agriculture & Farmers Welfare	54-55
3.3(a)	Budget Estimate, Revised Estimate and Actual Expenditure of Department of Agriculture, Cooperation and Farmers Welfare	56
3.3(b)	Budget Estimate, Revised Estimate and Actual Expenditure of Department of Agricultural Research and Education	56
3.3(c)	Budget Estimate, Revised Estimate and Actual Expenditure of Department of Animal Husbandry, Dairying and Fisheries	57

Table No.	Particulars	Page No.
3.4(a)	Gross Capital Formation (GCF) in Agriculture & allied sector at current prices (2011-12 series)	58
3.4(b)	Gross Capital Formation (GCF) in Agriculture & allied sector at constant (2011-12) prices	59
3.5(a)	Share of GCF in Agriculture and allied sector in GVA of Economy at current prices (2011-12 series)	60
3.5(b)	Share of GCF in Agriculture and allied sector in GVA of Economy at constant (2011-12) prices	60
3.6	Share of GCF in Agriculture & allied sector in GVA from Agriculture & allied sector (2011-12 series)	61
4 (A)	Area, Production and Yield of Principal Crops	63
4.1(a)	Target and Achievement of Production of Major Crops during Tenth Five Year Plan	64
4.1(b)	Target and Achievement of Production of Major Crops during Eleventh and Twelfth Five Year Plans	65
4.2	Three Largest Producing States of Important Crops during 2017-18	66-67
4.3	Normal Estimates (Average of 2012-13 to 2016-17) of Area, Production and Yield of major crops in India	68
4.4	Season-wise Area, Production and Yield of Foodgrains	69-70
Area, Production and Yield alongwith coverage under Irrigation		
4.5(a)	Foodgrains - All India	71-72
4.5(b)	Foodgrains - Major States	73
4.6(a)	Rice - All India	74-75
4.6(b)	Rice - Major States	76
4.7(a)	Wheat - All India	77-78
4.7(b)	Wheat - Major States	79
4.8(a)	Nutri Cereals - All India	80-81
4.8(b)	Nutri Cereals - Major States	82
4.9(a)	Jowar - All India	83-84
4.9(b)	Jowar - Major States	85
4.10(a)	Bajra - All India	86-87

Table No.	Particulars	Page No.
4.10(b)	Bajra - Major States	88
4.11(a)	Maize - All India	89-90
4.11(b)	Maize - Major States	91
4.12(a)	Total Pulses - All India	92-93
4.12(b)	Total Pulses - Major States	94
4.13(a)	Gram - All India	95-96
4.13(b)	Gram - Major States	97
4.14(a)	Tur (Arhar) - All India	98-99
4.14(b)	Tur (Arhar) - Major States	100
4.15(a)	Lentil (Masur) - All India	101-102
4.15(b)	Lentil (Masur) - Major States	103
4.16(a)	Nine Oilseeds - All India	104-105
4.16(b)	Nine Oilseeds - Major States	106
4.17(a)	Groundnut - All India	107-108
4.17(b)	Groundnut - Major States	109
4.18(a)	Rapeseed & Mustard - All India	110-111
4.18(b)	Rapeseed & Mustard - Major States	112
4.19(a)	Soybean - All India	113-114
4.19(b)	Soybean - Major States	115
4.20(a)	Sunflower - All India	116-117
4.20(b)	Sunflower - Major States	118
4.21(a)	Cotton - All India	119-120
4.21(b)	Cotton - Major States	121
4.22(a)	Jute & Mesta - All India	122-123
4.22(b)	Jute & Mesta - Major States	124
4.23(a)	Sugarcane - All India	125-126

Table No.	Particulars	Page No.
4.23(b)	Sugarcane - Major States	127
4.24(a)	Tobacco - All India	128-129
4.24(b)	Tobacco - Major States	130
4.25	All-India Area, Production and Yield of Guarseed and Sunhemp	131-132
4.26	Production of Oilseeds/Oils and Net Availability of Edible Oils	133-134
4.27	State wise Production of Crude Palm Oil (CPO)	135
4.28(a)	State-wise Production of Oil Palm Fresh Fruit Bunches	136
4.28(b)	Target and Achievement of Area Expansion under ISOPOM, NMOOP and OPAE	137
4.28(c)	State-wise Potential Area and Area Covered under Oil Palm Cultivation	138
4 (B)	Yield Rates of Principal Crops	139
4.1.1	All India Estimates of yield of Major Crops	140-141
State-wise yield		
4.1.2	Kharif Foodgrains	142-143
4.1.3	Rabi Foodgrains	144-145
4.1.4	Total Foodgrains	146-147
4.1.5	Rice	148-152
4.1.6	Wheat	153-154
4.1.7	Bajra	155-156
4.1.8	Maize	157-159
4.1.9	Total Pulses	160-161
4.1.10	Gram	162-163
4.1.11	Tur	164-165
4.1.12	Total Oilseeds	166-167
4.1.13	Kharif Oilseeds	168-169
4.1.14	Rabi Oilseeds	170-171

Table No.	Particulars	Page No.
4.1.15	Groundnut	172-173
4.1.16	Rapeseed & Mustard	174-175
4.1.17	Linseed	176
4.1.18	Safflower	177
4.1.19	Sunflower	178-179
4.1.20	Soybean	180
5.	Area, Production and Yield of Horticulture & Plantation Crops	181
5.1	Area and Production of Horticulture Crops	182-186
5.2	State-wise Area and Production of various Horticultural Crops during 2017-18	187-188
5.3(a)	Potato – All India	189-190
5.3(b)	Potato – Major States	191
5.4(a)	Onion – All India	192
5.4(b)	Onion – Major States	193
5.5(a)	Coconut – All India	194
5.5(b)	Coconut – Major States	195
5.6(a)	Cashewnut – All India	196
5.6(b)	Cashewnut – Major States	197
5.7	Arecanut and Banana – All India	198
5.8	Garlic and Ginger – All India	199
5.9	Sweet Potato and Tapioca – All India	200
5.10	Turmeric, Chilies and Coriander - All India	201-202
5.11	All-India Area, Production and Yield of Cardamom & Pepper	203-204
6.	All India Index Numbers of Area, Production, Yield and Terms of Trade	205
6.1	All India Index Numbers of Area of Principal Crops	206-208
6.2	All India Index Numbers of Production of Principal Crops	209-211

Table No.	Particulars	Page No.
6.3	All India Index Numbers of Yield of Principal Crops	212-214
6.4(a)	Index of Terms of Trade between Farmers and Non-Farmers	215
6.4(b)	Index of Terms of Trade between Agricultural and Non-Agricultural sectors	216
7.	Area, Production and Yield of Major Crops in Different Countries	217
7.1	Area, Production and Yield of Principal Crops in various countries in 2016	218-220
7.2	India's Position in World Agriculture in 2016	221-222
8.	Minimum Support Prices/ Marketed Surplus Ratios	223
8.1	Minimum Support Prices of various Agriculture Commodities	224
8.2	Central Issue Prices of Rice, Wheat and Nutri grains	225
8.3	Cost Estimates of Principal Crops-2015-16	226-230
8.4	Marketed Surplus Ratio (MSR) of important Agricultural Commodities in various States	231-234
9.	Procurement by Public Agencies	235
9.1(a)	State-wise Procurement of Rice and Wheat in major Rice and Wheat producing States	236
9.1(b)	State-wise Procurement of Nutri Grains in Major Producing States	237
9.2(a)	Procurement of Pulses under Price Support Scheme (PSS)	238
9.2(b)	Procurement of Pulses (Domestic) under Price Stabilization Fund (PSF)	239-240
9.3	Procurement of Oilseeds by NAFED under Price Support Scheme	241-243
9.4	State wise Cotton Purchases by Cotton Corporation of India	244
9.5	State-wise Procurement of Raw Jute	245-246
9.6	Procurement of Onion by NAFED under Market Intervention Scheme	247
10.	Per Capita Availability & Consumer Expenditure	249
10.1	Per Capita Net Availability of Food grains (Per Annum) in India	250

Table No.	Particulars	Page No.
10.2	Per Capita Net Availability of Food grains (Per Day) in India	251
10.3	Per Capita Availability of Certain Important Articles of Consumption	252-253
10.4(a)	Trends in percentage composition of Consumer Expenditure since 1993-94	254
10.4(b)	Per capita Consumption of Different Commodities	255-256
11.	Stock, Consumption and Storage Capacity	257
11.1(a)	Stock of Foodgrains in the Central Pool	258
11.1(b)	Existing Buffer Stock Norms for Foodgrains	259
11.2	Consumption and Stocks of Raw Jute	260
11.3(a)	State-wise Storage capacity	261
11.3(b)	State-wise Cold Storage capacity	262
11.3(c)	State-wise Storage capacity sanctioned under Agricultural Marketing Infrastructure (AMI) Scheme	263-264
12.	Imports/ Exports/ Inflation Rates	265
12.1	India's Imports and Exports of Principal Agricultural Commodities	266
12.2	India's Imports of Principal Agricultural Commodities	267-270
12.3	India's Exports of Principal Agricultural Commodities	271-275
12.4	Tariffs and Bound Rates on Major Agricultural Commodities/Groups	276-279
12.5(a)	Wholesale Price Index of Foodgrains	280
12.5(b)	Growth rate (Inflation) of Wholesale Price Index of Foodgrains	281
12.6(a)	Wholesale Price Index of Commercial Crops	282
12.6(b)	Growth rate (Inflation) of Wholesale Price Index of Commercial Crops	283
12.7(a)	Consumer Price Index (Combined) of Food and Beverages	284
12.7(b)	Growth Rate (Inflation) of Consumer Price Index (Combined) of Food and Beverages	285

Table No.	Particulars	Page No.
13.	Land Use Statistics	287
13.1	Agricultural Land by Use in India	288-291
13.2	Selected Categories of Land Use	292-293
13.3	Gross Cropped Area (Percentage Distribution)	294
13.4	State-wise Percentage Coverage of Irrigated Area under Principal Crops during 2014-15 (Provisional)	295-296
13.5	Agricultural Land by Type of Use	297-304
13.6	Irrigation Potential Created under Accelerated Irrigation Benefit Programme (AIBP) – All Major & Medium Irrigation Projects	305-306
13.7	State-wise Area covered under Micro Irrigation	307
14.	Inputs	309
14.1	Production and Use of Agricultural Inputs in India	310-311
14.2	All-India Consumption of Fertilisers in Terms of Nutrients (N, P & K)	312
14.3	Consumption, Production and Import of Fertilisers	313-314
14.4(a)	State-wise Consumption of Fertilisers in Terms of Nutrients (N, P & K)	315-316
14.4(b)	State-wise Estimated Consumption of Fertiliser per Hectare	317-318
14.5(a)	Fertiliser Consumption per Hectare of Agricultural Land in selected Countries	319
14.5(b)	Fertiliser Consumption per Hectare of Arable Land & Land under permanent Crops in selected Countries	320
14.6(a)	Application of Fertilisers on Paddy and Wheat in India	321-322
14.6(b)	State-wise Status of Soil Health Card Scheme – Cycle-I (2015 to 2017)	323-324
14.6(c)	State-wise Status of Soil Health Card Scheme – Cycle-II (2017 to 2018)	325-326
14.7(a)	Crop-wise Requirement and Availability of Certified/ Quality Seeds	327-328
14.7(b)	Crop-wise Distribution of Certified/ Quality Seeds	329-330
14.7(c)	Crop-wise Requirement and Availability of Certified/ Quality of Hybrid Seeds	331

Table No.	Particulars	Page No.
14.8(a)	Consumption of Electricity for Agricultural Purposes	332
14.8(b)	State-wise Consumption of Electricity for Agriculture purpose	333-335
14.9(a)	Flow of Institutional Credit to Agriculture Sector	336
14.9(b)	State-wise Agricultural loan disbursed in 2017-18	337-338
14.10	State-wise and Agency-wise KCCs- Cumulative Cards Issued and Amount Outstanding	339-340
14.11(a)	State-wise National Agricultural Insurance Scheme (NAIS)- Cumulative upto Rabi 2015-16	341-342
14.11(b)	Season- wise National Agricultural Insurance Scheme (NAIS)- Cumulative upto Rabi 2015-16	343-345
14.12(a)	State-wise Weather Based Crop Insurance Scheme (WBCIS)- Cumulative upto Rabi 2015-16	346
14.12(b)	Season- wise Weather Based Crop Insurance Scheme (WBCIS)- Cumulative upto Rabi 2015-16	347-348
14.13(a)	State-wise Modified National Agricultural Insurance Scheme (MNAIS) Cumulative upto Rabi 2015-16	349
14.13(b)	Season- wise Modified National Agricultural Insurance Scheme (MNAIS)- Cumulative upto Rabi 2015-16	350
14.14	Coconut Palm Insurance Scheme (CPIS)- Cumulative from 2009-10 to 2017-18	351
14.15(a)	State-wise Progress under PMFBY- Cumulative upto Rabi 2017-18	352-353
14.15(b)	Season-wise Progress under PMFBY- Cumulative upto Rabi 2017-18	354
14.16(a)	State-wise Progress under Restructured Weather Based Crop Insurance Scheme (RWBCIS) - Cumulative upto Rabi 2017-18	355-356
14.16(b)	Season-wise Progress under Restructured Weather Based Crop Insurance Scheme (RWBCIS) - Cumulative upto Rabi 2017-18	357
14.17(a)	State-wise Crop Area Insured under all Insurance Schemes	358-359
14.17(b)	Crop-wise Area Insured under all Insurance Schemes	360
14.18(a)	Year-wise Sale of Tractors and Power Tillers	361
14.18(b)	State-wise Sale of Tractors during 2017-18	362

Table No.	Particulars	Page No.
15.	Agricultural Census (2015-16) and Input Survey (2011-12)	363
15.1	Number and Area of Operational Holdings by Size Group- 2015-16 (Prov.)	364
15.2(a)	Number of Operational Holdings by Size Group- 2015-16 (Prov.)	365-366
15.2(b)	Area of Operational Holdings by Size Group- 2015-16 (Prov.)	367-368
15.3	Average Size of Holdings by Size Group- 2015-16 (Prov.)	369-370
15.4	Estimated Number of Operational Holdings by Size Classes and Irrigation Status	371
15.5	Area Irrigated by different Source of Irrigation by Size Classes	372
15.6	Irrigated and Un-Irrigated Area by Size Classes under different Crops	373
15.7	Usage of Chemical Fertilisers, Farm Yard Manure and Pesticides by major Size Group	374-375
15.8	Estimated Institutional Credit taken for Agricultural purposes by Size Groups	376-377
15.9	Total Institutional Credit taken for Agricultural purposes by different Size- Groups	378
16.	Situation of Agricultural Households in India	379
16.1	Estimated Number of Rural Households, Agricultural Households and Indebted Agricultural Households	380
16.2	Indebtedness of Agricultural Households (All-India) in different Size Classes of Land Possessed	381
16.3	Incidence of Indebtedness in Major States	382
16.4	The Percentage Distribution of Indebted Agricultural Households by size-class of land possessed for selected States	383
17.	Ceiling on Land Holdings and Wages for Agricultural Workers	385
17.1	Ceilings on Land Holdings	386
17.2	Minimum Rates of Wages for different category of Farm Workers in different States/UTs under the Minimum Wages Act,1948	387-390

Table No.	Particulars	Page No.
18.	Livestock	391
18.1	Livestock Population in India	392
18.2	All India Production of Milk, Eggs and Wool	393
18.3	State-wise Production of Milk, Eggs, Meat and Wool	394-397
19.	Fish Production	399
19.1	Fish Production in India	400-401
19.2	State-wise Production of Fish	402-403
20.	Rainfall Scenario and Management of Natural Disasters	405
20.1	Rainfall Status	406-407
20.2	Performance of South West Monsoon during 1989 to 2018	408
20.3	All India Rainfall Distribution from 1992-93 to 2018-19	409-410
20.4	Broad region-wise Monsoon Rainfall Distribution from 2005 to 2018	411
20.5	Rainfall in 2018	412-414
20.6	Brief History of Most Intense Cyclones from 1970 to 2018	415-426
21	Conversion Factors between Important Primary and Secondary Agricultural Commodities	427-429
22.	List of Studies conducted by Agro-Economic Research Centres	431-450
Appendices		451
I	Explanatory Notes	452
II	Methodology of Index Numbers of Area, Production and Yield	453-454
III	Glossary of English, Botanical and Hindi Names of Important Crops	455-457
IV	Crop Calendar of Major Crops	458-464
V	Harvesting Season of major Fruits	465
VI	Harvesting Season of major Vegetables	466
VII	Seed Rate of Sowing for Important Field Crops	467-468

Acronyms

AAY	Antyodaya Anna Yojana
AE	Advance Estimate
AGDP	Gross Domestic Product from Agriculture
AIBP	Accelerated Irrigation Benefit Programme
AMI	Agricultural Marketing Infrastructure
APL	Above Poverty Line
BE	Budget Estimates
BPL	Below Poverty Line
CACP	Commission for Agricultural Costs and Prices
CBB	Commercial Bank Branch
CCE	Crop Cutting Experiments
CCI	Cotton Corporation of India
CDSBO	Crude Degummed Soybean Oil
CES	Crop Estimation Surveys
CFA	Central Financial Agency
CIF	Cost, Insurance & Freight
CIP	Central Issue Price
CMA	Centre for Management in Agriculture, IIM-Ahmedabad
CPI-IW	Consumer Price Index for Industrial Workers
CPIS	Coconut Palm Insurance Scheme
CSO	Central Statistics Office
CWC	Central Warehousing Corporation
CWC	Central Water Commission
CWWG	Crop Weather Watch Group
DAC&FW	Department of Agriculture, Cooperation & Farmers Welfare
DAHDF	Department of Animal Husbandry, Dairying and Fisheries
DAP	Di Ammonium Phosphate

DARE	Department of Agricultural Research and Education
DES	Directorate of Economics and Statistics
DMI	Directorate of Marketing and Inspection
DMS	Delhi Milk Scheme
E	Estimated
EARAS	Establishment of an Agency for Reporting of Agricultural Statistics
ERFS	Extended Range Forecast System
F2	Black Soil
F-414/H-777/J-34	F-414/H-777/J-34 Cotton variety (of Medium Staple Length)
FAO	Food and Agriculture Organisation of the United Nations
FAOSTAT	FAO Statistics
FAQ	Fair Average Quality
FASAL	Forecasting Agricultural output using Space, Agro-Meteorology and Land Based Observations
FCI	Food Corporation of India
FDI	Foreign Direct Investment
FFB	Fresh Fruit Bunch
FL	Family Labour
FOD	Field Operations Division of NSSO
FRL	Full Reservoir Level
FYM	Farm Yard Manure
GCA	Gross Cropped Area
GCES	General Crop Estimation Survey
GCF	Gross Capital Formation
GDP	Gross Domestic Product
GNP	Gross National Product
GSDP	Gross State Domestic Product
GVA	Gross Value Added
H-4/H-6	Cotton variety (of Long Staple Length)
Ha	Hectares
HLCC	High Level Coordination Committee
HYV	High Yielding Varieties

I	Irrigated
IAS	Improvement of Agricultural Statistics
IASRI	Indian Agricultural Statistics Research Institute
ICAR	Indian Council of Agricultural Research
ICOR	Incremental Capital Output Ratio
ICS	Improvement of Crop Statistics
IEG	Institute of Economic Growth
IIP	Index of Industrial Production
IMD	India Meteorological Department
ISOPOM	Integrated Scheme of Oilseeds, Pulses, Oilpalm and Maize
ISRO	Indian Space Research Organization
K	Potash
KCC	Kisan Credit Card
Kgs	Kilograms
KMPH	Kilometers Per Hour
KWH	Kilo Watt Hour
LPCPD	Litres Per Capita Per Day
LS	Light Soil
MIS	Market Intervention Scheme
MNAIS	Modified National Agricultural Insurance Scheme
MNCFC	Mahalanobis National Crop Forecast Centre
MOFPI	Ministry of Food Processing Industries
MRP	Mixed Reference Period
MSCCGMF	Maharashtra State Co-operative Cotton Growers Marketing Federation
MSP	Minimum Support Price
MSR	Marketed Surplus Ratio
N	Nitrogen
N,P&K	Nitrogen, Phosphate and Potash
NA	Not Available/Not Announced
NAFED	National Agricultural Co-operative Marketing Federation of India Limited
NAIS	National Agricultural Insurance Scheme
NC	Not Collected

NCAER	National Council of Applied Economic Research
NCMRWF	National Centre for Medium Range Weather Forecast
NDDB	National Dairy Development Board
Neg.	Negligible
NFSA	National Food Security Act
NFSM-OP	National Food Security Mission – Oilpalm
NHB	National Horticulture Board
NHM	National Horticulture Mission
NMOOP	National Mission on Oilseeds and Oilpalm
NNP	Net National Product
NQ	Not Quoted
NR	Not Recommended / Not Reported
NRSC	National Remote Sensing Centre
NS	New Series Estimates
NSA	Net Sown Area
NSSO	National Sample Survey Organisation
OECD	Organisation of Economic Cooperation and Development
OPAE	Oilpalm Area Expansion Programmes
OPDP	Oil Palm Development Programme
P	Provisional/ Phosphate
PACS	Primary Agricultural Credit Society
PDS	Public Distribution System
PHH	Priority Households
PLDB	Primary Land Development Bank
PM-AASHA	Pradhan Mantri – Annadata Aay Sanrakshan Abhiyan
PMFBY	Pradhan Mantri Fasal Bima Yojana
PMKSY	Pradhan Mantri Krishi Sinchayee Yojana
PSE	Producers Support Estimate
PSEs	Public Sector Enterprises
PSF	Price Stabilization Fund
PSS	Price Support Scheme
QE	Quick Estimate
R	Revised

R&D	Research & Development
R&M	Rapeseed & Mustard
RE	Revised Estimates
RKVVY	Rashtriya Krishi Vikas Yojana
RMC	Regional Ministers Conference
RRBB	Regional Rural Bank Branch
RWBCIS	Restructured Weather Based Crop Insurance Scheme
SAC	Space Application Centre
SASA	State Agricultural Statistical Authority
SCB	State Cooperative Bank
SDP	State Domestic Product
SFAC	Small Farmers Agri-Business Consortium
SHC	Soil Health Card
SLDB	State Land Development Bank
SRS	Sample Registration Scheme
SSP	Single Super Phosphate
SWC	State Warehousing Corporation
T	Target
TE	Triennium Ending
TD-5	Tossa Deshi variety of Jute
TPDS	Targeted Public Distribution System
TRQ	Tariff Rate Quota
TRRM	Tropical Rains Measuring Mission
TRS	Timely Reporting Scheme
TT	Tentative Targets
UI	Un-irrigated
URP	Uniform Reference Period
UT	Union Territory
WBCIS	Weather Based Crop Insurance Scheme
WPI	Wholesale Price Index
WTO	World Trade Organisation

Conversion Table

Length

1 kilometre (km)	1000 metres (m)
1 km	0.6214 miles
1 m	1.0936 yards
1 m	3.2808 feet
1 mile	1760 yards
1 mile	1.609 km
1 yard	0.9144 m
1 foot	0.3048 m
Area	
1 km ²	100 hectares (ha)
1 km ²	0.3861 square mile
1 km ²	247.105 acres
1 m ²	10.7639 square feet
1 ha	10,000 m ²
1 ha	2.4711 acres
1 square mile	2.591 km ²
1 acre	0.4047 ha
1 acre	4046.86 m ²
1 acre	4840 square yard
1 square yard	9 square feet
1 square yard	0.8361 m ²

1 square foot	0.0929 m ²
---------------	-----------------------

Weight

1 tonne	1000 kg
---------	---------

1 tonne	1.1023 US ton
---------	---------------

1 US ton	0.9072 tonnes
----------	---------------

1 hg	100 gram
------	----------

1 kg	2.2046 pounds (lb)
------	--------------------

1 kg	35.274 ounce (oz)
------	-------------------

1 lb	0.4536 kg
------	-----------

1 oz	28.3495 gram
------	--------------

Units

1 crore	10 million
---------	------------

1 million	10 lakh
-----------	---------

1 lakh	100000
--------	--------

1 billion	1000 million
-----------	--------------

1

Methodology of Crop Estimation

1.1 Introduction

The Directorate of Economics and Statistics (DES) releases estimates of area, production and yield in respect of principal crops of food grains, oilseeds, sugarcane, fibers and important commercial and horticulture crops. As per National Accounts Statistics, during 2016-17 these crops together account for about 60 per cent of the Gross Value Added of the agriculture and allied sector (at constant prices). The estimates of crop production are obtained by multiplication of area estimates by corresponding yield estimates. The estimates of area and yield rates assume prime importance in the entire gamut of agricultural statistics.

1.2 Area Statistics

From the point of view of collection of area statistics, the States in the country are divided into three broad categories. The first category covers States and UTs which are cadastrally surveyed and the area and land use statistics are built up as a part of the land records maintained by the revenue agencies, these states are called “Land Record States” or temporarily settled states. This system is followed in 18 major states of Andhra Pradesh, Assam (excluding hilly districts), Bihar, Chhattisgarh, Gujarat, Haryana, Himachal

Pradesh, Jammu & Kashmir, Jharkhand, Karnataka, Madhya Pradesh, Maharashtra, Punjab, Rajasthan, Tamil Nadu, Telangana, Uttar Pradesh and Uttarakhand and 4 UTs of Chandigarh, Delhi, Dadra & Nagar Haveli and Puducherry. These States/UTs account for about 86% of reporting area and are covered under Timely Reporting Scheme (TRS) under which 20% villages are selected at random for complete area enumeration.

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

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

1.3 Yield Estimates

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

Surveys are analyzed and annual publication entitled “Consolidated Results of Crop Estimation Surveys on Principal Crops” is brought out by the NSSO regularly.

The primary objective of GCES is to obtain fairly reliable estimates of average yield of principal food and non-food crops for States and UTs which are important from the point of view of crop production. The estimates of yield rates thus arrived at are generally adopted for the purposes of planning, policy formulation and implementation. The CCEs consist of identification and marking of experimental plots of a specified size and shape in a selected field on the principle of random sampling, harvesting and threshing the produce and recording of the harvested produce for determining the percentage recovery of dry grains or the marketable form of the produce.

1.4 Coverage

The crop-wise details of number of experiments planned under GCES during **2014-15** are given in Table 1.1

Table 1.1: Experiments Planned under GCES during 2014-15

Crop Type/Crop	No. of Experiments Planned		
	Kharif	Rabi	Total
1. Food Crops			
Paddy	338169	27246	365415
Wheat	-	285643	285643
Jowar	24198	14710	38908
Bajra	54734	1720	56454
Maize	69777	4770	74547
Ragi	10260	1500	11760
Barley	-	7160	7160
Gram	-	51523	51523
Sugarcane*	27508	485	27993
Other Crops	124706	79501	204207
Total	649352	474258	1123610
2. Non-Food Crops			
Groundnut	25360	6052	31412
Sesamum	21447	4058	25532
Castor	3538	-	3538
Rape & Mustard	-	59004	59004
Linseed	-	3106	3106
Cotton	16384	-	16384
Jute	6312	-	6312
Mesta	647	-	647
Other Crops	22312	16195	38507
Total	96000	88415	184415
Total (1+2)	745352	562673	1308025

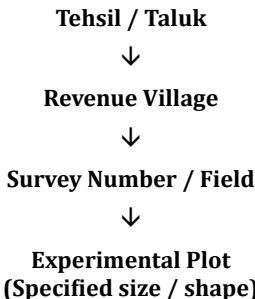
*485 experiments of Sugarcane are of Rabi season in West Bengal.

Source: AS Wing, NSSO (FOD), Faridabad

1.5 Sampling Design

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

Figure 1.1: SAMPLING DESIGN for GCES



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

1.6 Advance Estimates of Area and Production

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

Final estimates of production based on complete enumeration of area and yield through crop cutting experiments become available much after the crops are actually harvested. However, the Government requires advance

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

1.7 First Advance Estimates

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

1.8 Second Advance Estimates

The second advance estimates are made in the month of January every year. The advance estimates of kharif crops may undergo a revision in the light of flow of more precise information from the State Governments. The Second Advance Estimates then cover the second assessment in respect of kharif crops and the first assessment in respect of rabi crops.

1.9 Third Advance Estimates

The third advance estimates are prepared towards the end of March/beginning of April every year. The earlier advance estimates of both kharif and rabi seasons are firmed up/ validated with the information available with State Agricultural Statistical Authorities (SASAs), remote sensing data, available with Space Application Centre, Ahmedabad as well as the proceedings of CWWG.

1.10 Fourth Advance Estimates

The fourth advance estimates are prepared in the month of June/July every year. Since most of the rabi crops get harvested by the end of May, SASAs are in a position to supply the estimates of both kharif and

rabi seasons as well as likely assessment of summer crops. Like the third advance estimates, the fourth advance estimates are duly validated with the information available from other sources.

1.11 Final Estimates

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

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

FASAL Scheme

- i) Under the scheme "**Forecasting Agricultural Output Using Space Agro-Meteorological and Land Observations (FASAL)**", forecasts of area, production and yield based upon Remote Sensing and econometric modeling are generated. The agencies involved under the FASAL scheme are Space Application Centre (SAC), Ahmedabad, Institute of Economic Growth (IEG), New Delhi, India Meteorological Department (IMD). Under the scheme, multiple in-season forecasts of area & production of specified crops at National/State level are envisaged. Inputs from remote sensing, weather and field observations are used for validating the forecasts and inferences for desired coverage, accuracy and timeliness. Under FASAL scheme, funds are released to SAC Ahmedabad, IEG, New Delhi, IMD and NRSC.
- ii) Department has established Mahalanobis National Crop Forecast Centre (MNCFC) on April 23, 2012 which operationalises Remote Sensing Methodology on crop forecast and drought assessments in collaboration with ISRO. These forecasts are used to validate the official crop estimates based the conventional system. Multiple forecast of 11 major crops namely Rice (Kharif & Rabi), Jowar (Kharif

& Rabi), Maize, Bajra, Jute, Ragi, Cotton, Sugarcane, Groundnut (Kharif & Rabi), Rapeseed & Mustard and Wheat were envisaged at National/State/District level. However, based on the technological feasibility and requirement, 11 crops are modified to Rice (Kharif & Rabi), Jowar(Rabi), Maize (Rabi), Soybean, Jute, Pulses (Rabi), Cotton, Sugarcane and Groundnut(Rabi), Rapeseed & Mustard and Wheat. Presently, the experimental forecasts in respect of 8 crops are being prepared namely, Wheat, Rice (Kharif and Rabi), Jute, Sugarcane, Cotton, Rapeseed/mustard, Rabi sorghum and Rabi Pulses.

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

1.13 Achievements of FASAL project

- i) FASAL is a national level project of Ministry of Agriculture & Farmers' Welfare under Integrated Scheme on Agriculture Census, Economics and Statistics. Under FASAL project, pre-harvest multiple Crop production forecasts at District/State/National Level are generated for 8 major crops (Rice, Wheat, Cotton, Sugarcane, Jute, Rabi Jowar, Rabi Pulses and Rapeseed & Mustard) using satellite and agro-meteorological data.
- ii) In a year all total 16 forecasts (Rice-3, Wheat-3, Rapeseed & Mustard-3, Jute-1, Cotton-2, Sugarcane-2, Rabi Pulses -1 and Rabi Jowar-1) are generated.
- iii) The results are shared with MoA&FW, State Agriculture Departments and other partner agencies.

1.14 Extended Range Forecast System (ERFS)

- i) The IMD has been providing weather forecast with lead-time of five days only and that too for four broad geographical regions of the country. It leaves little lead-time to farmers for undertaking crop management decisions. Therefore, the Department of Agriculture, Cooperation and Farmers Welfare has sponsored a project entitled "Development and Application of Extended Range Forecast System for Climate Risk Management in Agriculture (ERFS)" since 2006

in collaboration with other partner organizations viz. IIT, India Meteorological Department (IMD), National Centre for Medium Range Weather Forecast (NCFMRWF), Space Application Centre (SAC) Ahmedabad and Indian Council of Agriculture Research (ICAR).

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

2

Socio-Economic Indicators

Table 2.1: Selected Economic and Social Indicators

Indicators	1950-51	1960-61	1970-71	1980-81	1990-91	2000-01	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
Macro Economic Indicators														
Gross Domestic Product (GDP) ^a at current prices (₹ crore)	10036	17049	44382	136838	531814	2000743	7248860	8736329	9944013	11233522	12467959	13771874*	15362386 ^b	17095005 ^c
GDP ^a at constant prices (₹ crore)	279618	410279	589787	798506	1347889	2348481	4918533	8736329	9213017	9801370	10527674	11369493*	12298327*	13179857 ^c
Per capita Income ^e at constant prices (₹)	7114	8889	10016	10712	14330	20418	36202	63462	65538	68572	72805	77659*	82931*	87623 ^d
Rate of Gross Capital Formation to GDP at current prices ^c (percentage)	9.3	14.3	15.1	19.2	26.0	24.3	36.5	39.0	38.7	33.8	33.5	32.1*	30.9*	32.3 ^e
Rate of Gross Domestic Savings to GDP at current prices ^c (percentage)	9.5	11.6	14.3	17.8	22.9	23.7	33.7	34.6	33.9	32.1	32.2	31.1*	30.3*	30.5 ^c
Index of Agricultural Production ^d	46.2	68.8	85.9	102.1	148.4	165.7	121.0	124.3	124.0	129.8	124.0	120.8	131.8	131.8 ^{**}
Index of Industrial Production (IIP) ^e	7.9	15.6	28.1	43.1	91.6	162.6	165.5	170.3	103.3	106.7	111.0	114.7	120.0	125.3
Wholesale Price Index (WPI) ^e	6.8	7.9	14.3	36.8	73.7	155.7	143.3	156.1	106.9	112.5	113.9	109.7	111.6	114.9
Consumer Price Index for Industrial workers (CPI-IW) ^f	17	21.0	38.0	81.0	193.0	444.0	180.0	195.0	215.0	236.0	251.0	265.0	276.0	284.0

(Contd.)

Table 2.1 (Contd.)

Indicators	1950-51	1960-61	1970-71	1980-81	1990-91	2000-01	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
Output														
Foodgrains (million tonnes)	50.8	82.0	108.4	129.6	176.4	196.8	244.5	259.3	257.1	265.0	252.0	251.6	275.1	284.8**
Coal and lignite Production (million tonnes)	32.3	55.2	76.3	119.0	225.5	332.6	570.4	582.3	602.9	610.0	657.4	683.0	704.4	-
Crude Oil Production (million tonnes)	0.3	0.5	6.8	10.5	33.0	32.4	37.7	38.1	37.9	37.8	37.5	36.9	36.0	35.7
Electricity Generated (utilities only) [billion KWH]	5.0	17.0	56.0	121.0	264.0	500.0	844.8	922.5	964.5	1026.6	1105.1	1167.6	1236.4	-
Foreign Trade														
Exports (₹ crore) (US \$ million)	606	642	1535	6711	32553	203571	1136964.2	1465959.3	1634318.3	1905011	1896455	1716378	1849434	1956515
Imports (₹ crore) (US \$ million)	1269	1346	2031	8486	18143	44560.3	249815.5	30563.9	300400.6	314405	310338.5	262291.07	275852	303526
Foreign exchange reserves ^a (excluding gold, SDRs and Reverse Tranche Position at IMF) (₹ crore)	608	1122	1634	12549	43198	230873	1683467.0	2345463.2	2669162.0	2715433.9	2737087	2490298	2577675	3001033
Social Indicators	1273	2353	2162	15869	24075	50536.4	369769	489319	490737	450198	447964.4	381007	384356	465580

(Contd.)

Table 2.1 (Contd.)

Indicators	1950-51	1960-61	1970-71	1980-81	1990-91	2000-01	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
Population (Million) ^a	361.0	439.2	548.2	683.3	846.4	1028.7	1186.0	1220.0	1235.0	1251.0	1267.0	1283.0	1299.0	1316.0
Birth Rate (per 1000) ^b	39.9	41.7	36.9	33.9	29.5	25.4	21.8 ^c	21.6 ^c	21.4 ^c	21.0 ^c	20.8	20.4	NA	NA
Death Rate (per 1000) ^d	27.4	22.8	14.9	12.5	9.8	8.4	7.1 ^e	7.0 ^e	7.0 ^e	6.7 ^e	6.5	6.4	NA	NA
Life Expectancy at Birth (in Years) ^f	32.1	41.3	45.6	50.4	58.7	62.5	67.0	67.5	67.9	68.3	NA	NA	NA	NA
(a) Male	32.5	41.9	46.4	50.9	58.6	61.6	65.4	65.8	66.4	66.9	NA	NA	NA	NA
(b) Female	31.7	40.6	44.7	50.0	59.0	63.3	68.8	69.3	69.6	70.0	NA	NA	NA	NA
Education:														
Literacy Rate (%) ^g	18.3	28.3	34.4	43.6	52.2	64.8	73.0	NA	NA	NA	NA	NA	NA	NA
(a) Male	27.2	40.4	46.0	56.4	64.1	75.3	82.1	NA	NA	NA	NA	NA	NA	NA
(b) Female	8.9	15.4	22.0	29.8	39.3	53.7	65.5	NA	NA	NA	NA	NA	NA	NA

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

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

@ : 1st Revised Estimates (New Series)
a: GDP estimates prior to 2011-12 are at factor cost based on 2004-05 series. Estimates from 2011-12 onwards are based on 2011-12 series

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

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

d: Base year for data till 2000-01 is Triennium ending TIE, 1981-82 and for data from 2010-11 onwards is TIE, 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: Data for 1950-51, 1960-61, 1970-71, 1980-81, 1990-91 and 2000-01 are as per Census of India 1951, 1961, 1971, 1981, 1991 and 2001. The figures for 1951, 1961 and 1971 relate to population aged 5 years and above and those for 1981, 1991, 2001 and 2011 to population aged 7 years and above. All India literacy rates exclude Assam for 1981 and J&K for 1991.

Table 2.2: Population and Growth Rate - 2011

Sl. No.	States/ UTs	Population			Decadal Growth (%)	
		Male	Female	Total	1991-2001	2001-2011
(1)	(2)	(3)	(4)	(5)	(6)	(7)
	India	623,270,258	587,584,719	1,210,854,977	21.54	17.72
1	Jammu & Kashmir	6,640,662	5,900,640	12,541,302	29.43	23.64
2	Himachal Pradesh	3,481,873	3,382,729	6,864,602	17.54	12.94
3	Punjab	14,639,465	13,103,873	27,743,338	20.10	13.89
4	Chandigarh	580,663	474,787	1,055,450	40.28	17.19
5	Uttarakhand	5,137,773	4,948,519	10,086,292	20.41	18.81
6	Haryana	13,494,734	11,856,728	25,351,462	28.43	19.90
7	Delhi	8,987,326	7,800,615	16,787,941	47.02	21.21
8	Rajasthan	35,550,997	32,997,440	68,548,437	28.41	21.31
9	Uttar Pradesh	104,480,510	95,331,831	199,812,341	25.85	20.23
10	Bihar	54,278,157	49,821,295	104,099,452	28.62	25.42
11	Sikkim	323,070	287,507	610,577	33.06	12.89
12	Arunachal Pradesh	713,912	669,815	1,383,727	27.00	26.03
13	Nagaland	1,024,649	953,853	1,978,502	64.53	-0.58
14	Manipur	1,438,586	1,417,208	2,855,794	24.86	31.80
15	Mizoram	555,339	541,867	1,097,206	28.82	23.48
16	Tripura	1,874,376	1,799,541	3,673,917	16.03	14.84
17	Meghalaya	1,491,832	1,475,057	2,966,889	30.65	27.95
18	Assam	15,939,443	15,266,133	31,205,576	18.92	17.07
19	West Bengal	46,809,027	44,467,088	91,276,115	17.77	13.84
20	Jharkhand	16,930,315	16,057,819	32,988,134	23.36	22.42
21	Odisha	21,212,136	20,762,082	41,974,218	16.25	14.05

(Contd.)

Table 2.2 (*Contd.*)

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

Source: Registrar General of India.

Table 2.3(a): Population and Agricultural Workers

Year	Total Population	Average Annual Exponential Growth Rate (%)		Rural Population	Total Workers	Agricultural Workers			(In Million)
		(2)	(3)			Cultivators	Agricultural Labourers	Total	
(1)				(4)	(5)	(6)	(7)	(8)	
1951	361.1	1.25		298.6 (82.7)	139.5 (71.9)	69.9 (28.1)	27.3 (28.1)	97.2 (69.7)	
1961	439.2	1.96		360.3 (82.0)	188.7 (76.0)	99.6 (24.0)	31.5 (24.0)	131.1 (69.5)	
1971	548.2	2.20		439.0 (80.1)	180.4 (62.2)	78.2 (37.8)	47.5 (37.8)	125.7 (69.7)	
1981	683.3	2.22		525.6 (76.9)	244.6 (62.5)	92.5 (62.5)	55.5 (37.5)	148.0 (60.5)	
1991	846.4	2.16		630.6 (74.5)	314.1 (59.7)	110.7 (40.3)	74.6 (40.3)	185.3 (59.0)	
2001	1028.7	1.97		742.6 (72.2)	402.2 (54.4)	127.3 (45.6)	106.8 (45.6)	234.1 (58.2)	
2011	1210.9	1.50		833.7 (68.9)	481.9 (45.1)	118.8 (54.9)	144.3 (54.6)	263.1 (54.6)	

Source: Registrar General of India.

Notes :

1. For 2001, figures include estimated figures for those of the three sub-divisions viz. Mao Maram, Paomata and Purul of Senapati district of Manipur as census results of 2001 Census in these three sub-divisions were cancelled due to technical and administrative reasons.
2. The 1991 Census could not be held owing to disturbed conditions prevailing in Jammu & Kashmir. Hence the population figures for 1991 of Jammu & Kashmir have been worked out by 'interpolation'. The data on workers in Col. 5-7 exclude J&K.
3. The 1981 census could not be held in Assam. The figures for 1981 for Assam have been worked out by interpolation. The data on workers in Col. 5-7 exclude Assam.
4. Figures within parentheses in Col.-4 are percentages to the Total Population.
5. Figures within parentheses in Col.-6 and 7 are percentages share of Agricultural Workers in Total Workers.
6. Figures within parentheses in Col.-8 is percentage share of Agricultural Workers in Total Workers.

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

States\UTs	Total/ Urban/ Rural	Total Population	Total Working Population	Total Main Workers	Total Marginal Workers	Total Non Workers	Male Population	Male Working Population	Male Main Workers	Female Population	Female Working Population	Female Main Workers
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
India	Total	1210854977	4818886868	362565571	119323297	728966109	62327058	331939875	273209976	58758719	149948993	8935595
	Rural	833748852	348743092	245868421	102874671	485005760	427781058	226837013	178095330	405967794	12190679	67773091
	Urban	377106125	133145776	116697150	16448626	24396349	195489200	105102862	95114646	181616925	28042914	21582504
Jammu & Kashmir	Total	12541302	4322713	2644149	1678564	8218589	6640662	3195090	2305788	5900640	1127623	338361
	Rural	9108060	3113081	1669814	1443267	5994979	4774477	2212006	1453157	4333583	901075	216657
	Urban	3433242	1209632	974335	235297	2223610	1866185	983084	852631	1567057	226548	121704
Himachal Pradesh	Total	6864602	3559422	2062501	1496921	3305180	3481873	2043373	1438989	3382729	1516049	623512
	Rural	6176050	3289384	1822109	1467275	2886666	3110345	1836358	1247874	3065705	1453026	574235
	Urban	688552	270038	240392	29646	418514	371528	207015	191115	317024	63023	49277
Punjab	Total	27743338	9897362	8450936	1446426	17845976	14639465	8074157	7264631	13103873	1823205	1186305
	Rural	17344192	6179199	5107024	1072175	11164993	9093476	4995819	4417839	8250716	1183380	689185
	Urban	10399146	3718163	3343912	374251	6680983	5545989	3078338	2846792	4853157	639825	497120
Chandigarh	Total	1055450	404436	385929	18207	65314	580663	328159	317190	474787	75977	68739
	Rural	28991	12350	11683	667	16641	17150	10664	10356	11841	1686	1327
	Urban	1026459	391786	374246	17540	634673	563513	317495	306834	462946	74291	67412
Uttarakhand	Total	10086292	3872275	2870624	1001651	6214017	5137773	2551921	2070760	4948519	1320354	798864
	Rural	7036954	2885533	1997332	888201	4154421	3519042	1726674	1322523	3517912	1158859	674809
	Urban	3049338	986742	873292	113450	206596	1618731	825247	748237	1430607	161495	125055

(Contd.)

Table 2.3(b) (Contd.)

States\UTs	Total/ Urban/ Rural	Total Population	Total Working Population	Total Main Workers	Total Marginal Workers	Total Non Workers	Male Population	Male Working Population	Male Main Workers	Female Population	Female Working Population	Female Main Workers
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Haryana	Total	25351462	8916508	7015283	1901225	16434954	13494734	6806636	5860600	11856728	2109872	1154683
	Rural	16509359	6003112	4435805	1567307	10506247	8774006	4392214	3672588	7735353	1610898	763217
	Urban	8842103	2913396	2579478	333918	5928707	4720728	2414422	2188012	4121375	498974	391466
Delhi	Total	16787941	5587049	5307329	279720	11200892	8987326	4762026	4562710	7800615	825023	744619
	Rural	419042	130227	118510	11717	288815	226321	111500	103568	192721	18727	14942
	Urban	16368899	5456822	518819	268003	10912077	8761005	4650526	4459142	7607894	806296	
Rajasthan	Total	68548437	29886255	21057968	8828287	38662182	35550997	18297076	15243537	32997440	11589179	5814431
	Rural	51500352	24385233	16173343	8211890	27115119	26641747	13775469	11069837	24858605	10609764	5103506
	Urban	17048085	5501022	4884625	616397	11547063	8909250	4521607	41173700	8138835	979415	710925
Uttar Pradesh	Total	199812341	65814715	44635492	21179223	133997626	104480510	49846762	37420299	95331831	1567953	7215193
	Rural	155317278	51950980	33538817	18412163	103365298	80992995	38352879	27812347	74324283	13598101	5726470
	Urban	44495063	13863735	11096675	2767060	30631328	23487515	11493883	9607952	210107548	2369852	1488723
Bihar	Total	104099452	34724987	21359611	13365376	69374465	54278157	25222189	17270690	49821295	9502798	4088921
	Rural	92341436	31359767	18723966	12635801	60981669	48073850	22436685	14988080	44267586	8923082	3735886
	Urban	11758016	3365220	2635645	729575	8392796	6204307	2785504	2282610	5553709	579716	353035
Sikkim	Total	610577	308138	230397	77741	302439	323070	194358	160513	287507	113780	69884
	Rural	456999	24385	173682	70103	213214	242797	148186	119014	214202	95599	54668
	Urban	155378	64353	56715	7638	89225	80273	46172	41499	73305	18181	15216

(Contd.)

Table 2.3(b) (Contd.)

States\UTs	Total/ Urban/ Rural		Total Working Population		Total Main Workers		Total Non Workers		Male Population		Male Working Population		Male Main Workers		Female Population		Female Working Population		Female Main Workers	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
Arunachal Pradesh	Total	1383727	587657	478721	108936	796070	713912	350273	301109	669815	237384	177612								
	Rural	1066358	470315	377388	92927	596043	546011	264790	223929	520347	205525	153459								
	Urban	317369	117342	101333	16009	200027	167901	85483	77180	149468	31859	24153								
Nagaland	Total	1978502	974422	741179	232943	1004380	1024649	547357	442204	953953	426755	298975								
	Rural	1407536	760360	567674	192686	647176	725472	403912	316384	682064	356448	251290								
	Urban	570966	213762	173505	40257	357204	299177	143445	125820	271789	70317	47685								
Manipur	Total	2855794	1304610	974163	330447	155184	1438586	739408	651535	1417208	565202	359028								
	Rural	2021640	959161	713482	245679	1062479	1026884	534085	442482	994756	425076	271000								
	Urban	834154	345449	260681	84768	483705	411702	205323	172653	422452	140126	88028								
Mizoram	Total	1097206	486705	415030	71675	610501	555339	290740	263305	541867	195965	151725								
	Rural	525435	252382	217824	34558	273053	269135	145091	134888	256300	107291	82336								
	Urban	571771	234323	197206	37117	337448	286204	145649	128417	285567	88674	68789								
Tripura	Total	3673917	1469521	1077019	392502	2204396	1874376	1045326	887881	1799541	424195	189138								
	Rural	2712464	1116076	776583	339493	1596388	1387173	767767	637023	1325291	348309	139560								
	Urban	961453	353445	300436	53009	608008	487203	277559	250858	474250	75886	49578								
Meghalaya	Total	2966889	1185619	921575	264044	1781270	1491832	703709	585520	1475057	481910	336055								
	Rural	2371439	973458	730959	242499	1397981	1194260	561812	455430	1177179	411646	275529								
	Urban	595450	212161	190616	21545	383289	297572	141897	130090	297878	70264	60526								

(Contd.)

Table 2.3(b) (Contd.)

States\UTs	Total/ Urban/ Rural	Total Population	Total Working Population	Total Main Workers	Total Marginal Workers	Total Non Workers	Male Population	Male Working Population	Male Main Workers	Female Population	Female Working Population	Female Main Workers
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Assam	Total	31205576	11969590	8687123	3282567	19235886	15939443	8541560	7034642	15266133	3428130	1652481
	Rural	26807034	10368283	7311015	3057268	16438751	13678989	727852	5880174	13128045	3110431	1430841
	Urban	4398542	1601407	1376108	225299	2797135	2260454	1283708	1154468	2138088	317699	221640
West Bengal	Total	91276115	34756355	25686630	9069725	56519760	46890927	26716047	21678279	44467088	8040308	4008351
	Rural	62183113	24082481	16489485	7592996	38100632	31844945	18211180	14019915	30338168	5871301	2469570
	Urban	29093002	10673874	9197145	1476729	18419128	14964082	8504867	7658364	14128920	2169007	1538781
Jharkhand	Total	32988134	13098274	6818595	6279679	19889860	16930315	8424769	5234442	16057819	4673505	1584513
	Rural	25055073	10777152	4886840	5890312	14277921	12776486	6484142	3563422	12279587	4293010	1323418
	Urban	7933061	2321122	1931755	389367	5619139	4153829	1940627	1671020	3779232	380495	260735
Odisha	Total	41974218	17541589	1070543	6834046	24432629	21212136	11902655	8794413	20762082	5638934	1913130
	Rural	34970562	15103714	8623947	6479767	19866848	17586203	9941574	7045991	17384359	5612140	1577956
	Urban	7003656	2437875	2083596	354279	4565781	3625933	1961081	1748422	3377723	476794	335174
Chhattisgarh	Total	25545198	12180225	8241714	3938511	13364973	12832895	7133866	5597454	12712303	5046359	2644260
	Rural	19607961	10063114	6365271	3697843	9544847	9797426	5522258	4114031	9810535	4540856	2251240
	Urban	5937237	2117111	1876443	240668	3820126	3035469	1611608	1483423	2901768	505503	393020
Madhya Pradesh	Total	72626809	31574433	22702119	8877014	41052676	37612306	20146970	16362065	35014503	11427163	6340054
	Rural	52557404	24715198	16729558	7985640	27842206	27149388	14741977	11488183	25408016	9973221	5241375
	Urban	20069405	6858935	5972561	886374	13210470	10462918	5404993	4873882	9606487	1453942	1098679

contd...

Table 2.3(b) (Contd.)

States\UTs	Total/ Urban/ Rural	Total Population	Total Working Population	Total Main Workers	Total Marginal Workers	Total Non Workers	Male Population	Male Working Population	Male Main Workers	Female Population	Female Working Population	Female Main Workers
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Gujarat	Total	6043692	24767747	20365374	4402373	35671945	31491260	18000914	16567695	2894832	6766833	3797679
	Rural	34694609	15570092	11878120	3691972	19124517	17799159	10171584	9141339	16895450	5398508	2736781
	Urban	25745083	9197655	8487254	710401	16547428	13692101	7829330	7422356	12052982	1368325	1060898
Daman & Diu	Total	243247	121271	116435	4836	124976	150301	107434	104614	92946	13837	11821
	Rural	60396	23303	21435	1868	37093	32395	18862	18131	28001	4441	3304
	Urban	182851	97968	95000	2968	84883	117906	88572	86483	64945	9396	8517
Dadra & Nagar Haveli	Total	343709	157161	130299	26862	186548	193760	119293	109125	149949	37868	21174
	Rural	183114	84123	62211	21912	98991	98305	55803	48239	84809	28320	13972
	Urban	160595	73038	68088	4950	87557	95455	63490	60886	65140	9548	7202
Maharashtra	Total	112374333	49427878	43762890	5664988	62946455	58243036	32616875	29989314	54131277	16811003	13773576
	Rural	61556074	30650871	26510066	4140805	30905203	31539034	17887071	16188697	30017040	12763800	10321369
	Urban	50818259	18777007	17252824	1524183	32041252	26704022	14729804	13800617	24114237	4047203	3452207
Andhra Pradesh	Total	84580777	39422906	33037378	6385528	45157871	42442146	24185595	21460081	42138831	15337311	11577297
	Rural	56361702	29052307	24142968	4909339	2730395	28243241	16498189	14535917	28118461	12554118	9557051
	Urban	28219075	10370599	8894410	1476189	17848476	14198905	7687406	6874164	14020170	2883193	2020246
Karnataka	Total	61095297	27872597	23397181	4475416	33222700	30966657	18270116	16349837	30128640	9602481	7047344
	Rural	37469335	18502230	15060905	3441325	18967105	18929354	11311426	10003021	18539981	7190804	5057884
	Urban	23625962	9370367	8336276	1034091	14255595	12037303	6958690	6346816	11588659	2411677	189460

(Contd.)

Table 2.3(b) (Contd.)

States\UTs	Total/ Urban/ Rural	Total Population	Total Working Population	Total Main Workers	Total Marginal Workers	Total Non Workers	Male Population	Male Working Population	Male Main Workers	Female Population	Female Working Population	Female Main Workers
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Goa	Total	1455345	577248	476053	101195	881297	739140	419536	356967	719405	157712	119086
	Rural	551731	215536	164519	51017	336195	275436	152986	122042	276295	62550	42477
Urban	Total	906814	361712	311534	50178	545102	463704	266550	234925	443110	95162	76609
	Rural	14141	4653	2225	2428	9488	7243	3787	1878	6898	866	347
Lakshadweep	Total	64473	18753	10804	7949	45720	33123	15318	9137	31350	3455	1667
	Rural	50332	14100	8579	5521	36232	25880	11531	7259	24452	2569	1320
Kerala	Total	33406061	11619063	9329747	2289316	21785998	16027412	8451569	7179828	17378649	3167494	2149919
	Rural	17471135	6341957	4930191	1411766	11129178	8408054	4507501	3743078	9063081	1834456	1187113
Tamil Nadu	Total	15934926	5277106	4399556	877550	10657820	7619358	3944068	3436750	8315668	1333038	962806
	Rural	37229590	18861330	15339116	3522214	18363260	18679065	11214535	9552474	18550525	7646795	5786642
Puducherry	Total	72147030	32884681	27942181	4942500	39263349	36137975	21434978	18961194	3609055	11449703	898087
	Rural	34917440	14023551	12603065	1420286	20894089	17458910	10220443	9408720	17458530	3802908	3194345
Andaman & Nicobar Islands	Total	1247953	444968	399689	45279	803985	612511	332931	306409	635442	112037	93280
	Rural	395200	147876	122188	25688	247324	194907	105705	91068	200293	42171	31120
Urban	Total	852753	297092	277501	19591	555661	417604	227226	215341	435149	69866	62160
	Rural	380581	152335	125910	26625	228046	202871	120889	103619	177710	31646	22291
Urban	Total	237093	94469	72366	22103	142624	126287	74670	60411	110806	19799	11955
	Rural	143488	58066	53544	4522	85422	76584	46219	43208	66904	11847	10336

Source: Registrar General of India.
Note 1 : India and Jammu & Kashmir exclude population of those portions of Jammu & Kashmir which are under illegal occupation of Pakistan and China.

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

States\UTs		Total / Urban / Rural	Cultivators (Main and Marginal)	Agricultural Labour (Main and Marginal)	Male Cultivators (Main and Marginal)	Male Agricultural Labour (Main and Marginal)	Female Cultivators (Main and Marginal)	Female Agricultural Labour (Main and Marginal)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	
India	Total	118808780	144333690	82762934	82742337	36045846	61591353	
	Rural	115084638	136998308	79895308	77932222	35189330	59066086	
	Urban	3724142	7335382	2867626	4810115	856516	2525267	
Jammu & Kashmir	Total	1245316	547705	765527	414344	479789	133361	
	Rural	1180384	498531	729874	376051	450510	122480	
	Urban	64932	49174	35653	38293	29279	10881	
Himachal Pradesh	Total	2062062	175038	906154	103060	1155908	71978	
	Rural	2048582	170279	899954	99801	1148628	70478	
	Urban	13480	4759	6200	3259	7280	1500	
Punjab	Total	1934511	1588455	1753359	1239445	181152	349010	
	Rural	1840001	1474732	1669638	1146165	170363	328567	
	Urban	94510	113723	83721	93280	10789	20443	
Chandigarh	Total	2578	1687	2114	1375	464	312	
	Rural	457	168	406	122	51	46	
	Urban	2121	1519	1708	1253	413	266	
Uttarakhand	Total	1580423	403301	735412	286540	845011	116761	
	Rural	1558630	372841	720621	261909	838009	110932	
	Urban	21793	30460	14791	24631	7002	5829	

(Contd.)

Table 2.3(c) (Contd.)

States\UTs	Total / Urban / Rural	Cultivators (Main and Marginal)	Agricultural Labour (Main and Marginal)	Male Cultivators (Main and Marginal)	Male Agricultural Labour (Main and Marginal)	Female Cultivators (Main and Marginal)	Female Agricultural Labour (Main and Marginal)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Haryana	Total	2480801	1528133	1789122	1041241	691679	486892
	Rural	2398597	1405956	1721232	943900	677365	462056
	Urban	82204	122177	67890	97341	14314	24836
Delhi	Total	33398	39475	27458	31352	5940	8123
	Rural	13614	8528	11280	6473	2334	2055
	Urban	19784	30947	16178	24879	3606	6068
Rajasthan	Total	13618870	4939664	7518486	2132669	6100384	2806995
	Rural	13358033	4733917	7349824	2013143	6008209	2720774
	Urban	260837	205747	168662	119526	92175	86221
Uttar Pradesh	Total	19057888	19939223	15511533	13803442	3546355	6135781
	Rural	18500982	18910579	15030284	12957833	3470698	5952746
	Urban	556906	1028644	481249	845609	75657	183035
Bihar	Total	7196226	18345649	5745420	12570717	1450806	5774932
	Rural	7008060	17831900	5583964	12173757	1424096	5658143
	Urban	188166	513749	161456	396960	26710	116789
Sikkim	Total	117401	25986	63327	12883	54074	13103
	Rural	116532	24880	62869	12297	53663	12583
	Urban	869	1106	458	586	411	520

(Contd.)

Table 2.3(c) (Contd.)

States\UTs		Total / Urban / Rural	Cultivators (Main and Marginal)	Agricultural Labour (Main and Marginal)	Male Cultivators (Main and Marginal)	Male Agricultural Labour (Main and Marginal)	Female Cultivators (Main and Marginal)	Female Agricultural Labour (Main and Marginal)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	
Arunachal Pradesh	Total	302723	36171	152863	18377	149860	31105	17794
	Rural	298137	33558	150267	16862	147870	266224	16696
	Urban	4586	2613	2596	1515	1990	3722	1098
Nagaland	Total	537702	62962	259454	31857	278248	31105	31105
	Rural	516783	55677	250559	28133	266224	27544	27544
	Urban	20919	7285	8895	3724	12024	3561	3561
Manipur	Total	574031	114918	327109	46032	246922	68886	68886
	Rural	523537	90644	293208	35797	230329	54847	54847
	Urban	50494	24274	33901	10235	16593	14039	14039
Mizoram	Total	229603	41787	129882	22488	100121	19299	19299
	Rural	192194	19085	107813	9555	84381	9530	9530
	Urban	37409	22702	21669	12933	15740	9769	9769
Tripura	Total	295947	353618	228868	214106	67079	139512	139512
	Rural	285729	338922	219951	203358	65778	135564	135564
	Urban	10218	14696	8917	10748	1301	3948	3948
Meghalaya	Total	494675	198364	277330	106342	217345	92022	92022
	Rural	486320	192223	272616	102620	213704	89603	89603
	Urban	8355	6141	4714	3722	3641	2419	2419

(Contd.)

Table 2.3(c) (Contd.)

States\UTs	Total / Urban / Rural	Cultivators (Main and Marginal)	Agricultural Labour (Main and Marginal)	Male Cultivators (Main and Marginal)	Male Agricultural Labour (Main and Marginal)	Female Cultivators (Main and Marginal)	Female Agricultural Labour (Main and Marginal)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Assam	Total	4061627	1845346	3099763	1129210	961864	716136
	Rural	4018907	1814075	3066222	1107173	952685	706902
	Urban	42720	31271	33541	22037	9179	9234
West Bengal	Total	5116688	10188842	4500041	7452814	616647	2736028
	Rural	4952543	9843816	4368282	7172599	584261	2671217
	Urban	164145	345026	131759	280215	32386	64811
Jharkhand	Total	3814832	4436052	2291182	2341700	1523650	2094352
	Rural	3752614	4339302	2247745	2276639	1504869	2062663
	Urban	62218	96750	43437	65061	18781	31689
Odisha	Total	4103989	6739993	3375350	3481836	728639	3258157
	Rural	4030351	6618943	3312661	3404743	717690	3214200
	Urban	73638	121050	62689	77093	10949	43957
Chhattisgarh	Total	4004796	5091882	2424025	2344549	1580771	2747333
	Rural	3901065	4894820	2354630	2243248	1546435	2651572
	Urban	103731	197062	69395	101301	34336	95761
Madhya Pradesh	Total	9844439	12192267	6591064	6310657	3253375	5881610
	Rural	9473811	11651203	6300435	6009667	3173376	5681536
	Urban	370628	501064	290629	300990	79999	200074

(Contd.)

Table 2.3(c) (Contd.)

States\UTs		Total / Urban / Rural	Cultivators (Main and Marginal)	Agricultural Labour (Main and Marginal)	Male Cultivators (Main and Marginal)	Male Agricultural Labour (Main and Marginal)	Female Cultivators (Main and Marginal)	Female Agricultural Labour (Main and Marginal)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	
Gujarat	Total	5447500	6839415	4244449	3649591	1203051	3189824	
	Rural	5251457	6481295	4079513	3411622	1171944	3069673	
	Urban	196043	358120	164936	237969	31107	120151	
Daman & Diu	Total	2316	772	1492	362	824	410	
	Rural	1654	551	938	193	716	358	
	Urban	662	221	554	169	108	52	
Dadra & Nagar Haveli	Total	28164	17799	18296	5453	9868	12346	
	Rural	26140	16569	16760	4892	9380	11677	
	Urban	2024	1230	1536	561	488	669	
Maharashtra	Total	12569373	13486140	7592313	6774538	4977060	6711602	
	Rural	12216563	12720993	7324880	6307148	4891683	6413845	
	Urban	352810	765147	267433	467390	85377	297757	
Andhra Pradesh	Total	6491522	16967754	4357304	8130022	2134218	8837732	
	Rural	6267888	16102617	4192776	7656866	2075112	8445751	
	Urban	223634	865137	164528	473156	59106	391981	
Karnataka	Total	6580649	7155963	4753708	3283279	1826941	3872684	
	Rural	6340930	6737213	4565677	3047116	1775253	3690097	
	Urban	239719	418750	188031	236163	51688	182587	

(Contd.)

Table 2.3(c) (Contd)

	States\UTs	Total / Urban / Rural	Cultivators (Main and Marginal)	Agricultural Labour (Main and Marginal)		Male Cultivators (Main and Marginal)	Male Agricultural Labour (Main and Marginal)	Female Cultivators (Main and Marginal)	Female Agricultural Labour (Main and Marginal)
				(2)	(3)	(4)	(5)	(6)	(7)
Goa	Total	31354	26760	18848	14816	12506	11944		
	Rural	26275	20508	15474	11036	10801	9472		
	Urban	5079	6252	3374	3780	1705	2472		
Lakshadweep	Total	0	0	0	0	0	0	0	0
	Rural	0	0	0	0	0	0	0	0
	Urban	0	0	0	0	0	0	0	0
Kerala	Total	670253	1322850	546906	857995	123347	464855		
	Rural	587029	1083003	478881	690294	108148	392709		
	Urban	83224	239847	68025	167701	15199	72146		
Tamil Nadu	Total	4248457	9606547	2732479	4842707	1515978	4763840		
	Rural	3885657	8488101	2476311	4162199	1409346	4245902		
	Urban	362800	1198446	256168	680508	106632	517938		
Puducherry	Total	12099	68391	10033	42794	2066	25597		
	Rural	8997	58259	7399	35397	1598	22862		
	Urban	3102	10132	2634	7397	468	2735		
Andaman & Nicobar Islands	Total	16567	4781	12663	3744	3904	1037		
	Rural	16185	4620	12364	3614	3821	1006		
	Urban	382	161	299	130	83	31		

Source: Registrar General of India.

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

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

States/UTs	2004-05			2009-10			2011-12		
	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Andhra Pradesh	32.3	23.4	29.6	22.8	17.7	21.1	11.0	5.8	9.2
Arunachal Pradesh	33.6	23.5	31.4	26.2	24.9	25.9	38.9	20.3	34.7
Assam	36.4	21.8	34.4	39.9	26.1	37.9	33.9	20.5	32.0
Bihar	55.7	43.7	54.4	55.3	39.4	53.5	34.1	31.2	33.7
Chhattisgarh	55.1	28.4	49.4	56.1	23.8	48.7	44.6	24.8	39.9
Delhi	15.6	12.9	13.0	7.7	14.4	14.2	12.9	9.8	9.9
Goa	28.1	22.2	24.9	11.5	6.9	8.7	6.8	4.1	5.1
Gujarat	39.1	20.1	31.6	26.7	17.9	23.0	21.5	10.1	16.6
Haryana	24.8	22.4	24.1	18.6	23.0	20.1	11.6	10.3	11.2
Himachal Pradesh	25.0	4.6	22.9	9.1	12.6	9.5	8.5	4.3	8.1
Jammu & Kashmir	14.1	10.4	13.1	8.1	12.8	9.4	11.5	7.2	10.4
Jharkhand	51.6	23.8	45.3	41.6	31.1	39.1	40.8	24.8	37.0
Karnataka	37.5	25.9	33.3	26.1	19.6	23.6	24.5	15.3	20.9
Kerala	20.2	18.4	19.6	12.0	12.1	12.0	9.1	5.0	7.1
Madhya Pradesh	53.6	35.1	48.6	42.0	22.9	36.7	35.7	21.0	31.7
Maharashtra	47.9	25.6	38.2	29.5	18.3	24.5	24.2	9.1	17.4
Manipur	39.3	34.5	37.9	47.4	46.4	47.1	38.8	32.6	36.9
Meghalaya	14.0	24.7	16.1	15.3	24.1	17.1	12.5	9.3	11.9
Mizoram	23.0	7.9	15.4	31.1	11.5	21.1	35.4	6.4	20.4
Nagaland	10.0	4.3	8.8	19.3	25.0	20.9	19.9	16.5	18.9
Odisha	60.8	37.6	57.2	39.2	25.9	37.0	35.7	17.3	32.6
Puducherry	22.9	9.9	14.2	0.2	1.6	1.2	17.1	6.3	9.7
Punjab	22.1	18.7	20.9	14.6	18.1	15.9	7.7	9.2	8.3
Rajasthan	35.8	29.7	34.4	26.4	19.9	24.8	16.1	10.7	14.7
Sikkim	31.8	25.9	30.9	15.5	5.0	13.1	9.9	3.7	8.2
Tamil Nadu	37.5	19.7	29.4	21.2	12.8	17.1	15.8	6.5	11.3
Tripura	44.5	22.5	40.0	19.8	10.0	17.4	16.5	7.4	14.1
Uttar Pradesh	42.7	34.1	40.9	39.4	31.7	37.7	30.4	26.1	29.4
Uttarakhand	35.1	26.2	32.7	14.9	25.2	18.0	11.6	10.5	11.3
West Bengal	38.2	24.4	34.2	28.8	22.0	26.7	22.5	14.7	20.0
All-India	42.0	25.5	37.2	33.8	20.9	29.8	25.7	13.7	21.9

Source: Planning Commission

Notes:

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

Table 2.5: Population & Labour Force Projections

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

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

Table 2.6(a): Gross Value Added (GVA) at basic prices by economic activity at constant (2011-12) prices

S.No.	Industry	2011-12	2012-13	2013-14	2014-15	2015-16*	2016-17*	2017-18@	(₹ crore)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1.	Agriculture, forestry and fishing	1501947	1524288	1609198	1605715	1616146	1717467	1803039	1852580
1.1	Crops	982151	983809	1037060	998425	969344	1018168	1056560	-
1.2	Livestock	3227334	344375	363558	390449	419637	461171	493676	-
1.3	Forestry and logging	124436	124743	132093	134609	136960	138905	141785	-
1.4	Fishing and aquaculture	68027	71362	76487	82232	90205	99224	111018	-
2.	Mining and quarrying	261035	262609	263107	288685	317974	348089	365677	370237
3.	Manufacturing	1409986	1486873	1560709	1683938	1903850	2055043	2176923	2353618
3.1	Food Products, Beverages and Tobacco	167524	154540	153560	157637	183150	202128	211629	-
3.2	Textiles, Apparel and Leather Products	153238	177398	216411	216429	258936	263790	261181	-
3.3	Metal Products	229627	238520	277322	261206	225306	284800	291176	-
3.4	Machinery and Equipment	334670	345731	324994	357017	429550	470363	501173	-
3.5	Other Manufactured Goods	524927	570684	588422	691649	806908	833962	911764	-
4.	Electricity, gas, water supply & other utility services	186668	191635	199601	214047	224158	246491	267720	289193
5.	Construction	777335	780050	800771	835229	865335	917754	969194	1055917
6.	Trade, repair; hotels and restaurants	883582	981620	1034506	1135841	1261426	1389176	1528421	2465571\$
6.1	Trade & repair services	793681	888665	941941	1037640	1150121	1268165	1400265	-
6.2	Hotels & restaurants	89901	92955	92565	98201	111305	121011	128156	-
7.	Transport, storage, communication & services related to broadcasting	529534	569523	617556	671848	731399	756239	783793	-
7.1	Railways	61150	69162	73685	80720	85452	82161	88533	-
7.2	Road transport	262442	282425	300563	320813	343155	362252	384266	-

(Contd.)

Table 2.6(a) (Contd.)

S.No.	Industry	2011-12 (3)	2012-13 (4)	2013-14 (5)	2014-15 (6)	2015-16* (7)	2016-17# (8)	2017-18@ (9)	2018-19^ (10)
7.3	Water transport	6910	7052	7345	7954	8095	8567	9131	-
7.4	Air transport	4393	4183	4550	5188	6053	7171	8431	-
7.5	Services incidental to transport	63602	66480	70172	75596	81156	86817	93354	-
7.6	Storage	5108	5716	5210	5529	6245	6062	6661	-
7.7	Communication & services related to broadcasting	125930	134505	156031	176047	201243	203209	193418	-
8	Financial, Real Estate & Professional Services	1530877	1680031	1867407	2073715	2294787	2494444	2649146	2841805
8.1	Financial services	480226	529792	577914	627255	672788	697103	726709	-
8.2	Real estate, ownership of dwelling & professional services	1050651	1150239	1289493	1446460	1621999	1797341	1922437	-
9	Public Administration, Defence & other services	1025982	1069646	1110794	1203115	1276797	1394269	1560252	1692866
9.1	Public administration and defence	491155	501383	510046	543853	565106	613896	683628	-
9.2	Other services	534827	568262	600748	659262	711691	780373	876624	-
10.	GVA at basic prices	8106946	8546275	9063649	9712133	10491870	11318972	12104165	12925787
11.	Total Net Value Added at basic prices	7189771	7535614	7963039	8533489	9220980	9938018	10601203	11320806
12.	Net Taxes on Products	629383	666741	737721	815541	877623	979355	1075693	1174331
13.	Net Factor Income from Abroad	-76824	-108354	-122343	-124687	-134922	-144573	-145736	-145163
14.	NNI	7742330	8094001	8578417	9224343	9963681	10772800	11531159	12349975
15.	Per Capita Income (in Rupees)	63462	65538	68572	72805	77659	82931	87623	92718
16	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)

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

: 2nd Revised Estimates (New Series)

@ : 1st Revised Estimates (New Series)

^ : 2nd Advance Estimates (New Series)

Table 2.6(b): GVA at basic prices by economic activity at current prices (2011-12 series)

S.No.	Industry	2011-12	2012-13	2013-14	2014-15	2015-16*	2016-17#	2017-18@	(₹ crore)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1.	Agriculture, forestry and fishing	1501947	1675107	1926372	2093612	2227533	2496358	2670147	2755992
1.1	Crops	982151	1088814	1248776	1292874	1327992	1476268	1546808	-
1.2	Livestock	327334	368823	422733	510411	582410	672829	758417	-
1.3	Forestry and logging	124436	137558	156674	173760	184411	192840	189348	-
1.4	Fishing and aquaculture	68027	79911	98190	116567	132720	154421	175573	-
2.	Mining and quarrying	261035	285842	295794	308476	294011	321872	351058	418517
3.	Manufacturing	1409986	1572837	1713452	1878369	2146189	2335068	2542089	2856313
3.1	Food Products, Beverages and Tobacco	167524	168227	175673	185899	213832	258641	283434	-
3.2	Textiles, Apparel and Leather Products	153238	187981	246424	249573	300357	306219	321570	-
3.3	Metal Products	229627	248915	286998	273621	232868	274478	306325	-
3.4	Machinery and Equipment	334670	356231	343383	388961	485168	540633	595800	-
3.5	Other Manufactured Goods	524927	611483	660973	780315	913964	955097	1034960	-
4.	Electricity, gas, water supply & other utility services	186668	215350	260155	282258	334965	353468	423089	488633
5.	Construction	777335	849365	921470	979086	991084	1082466	1213628	1382558
6.	Trade, repair, hotels and restaurants	1413116	1663986	1874467	1320833	1433969	1608916	1833720	3155424\$
6.1	Trade & repair services	793681	954683	1078421	1206474	1307323	1468581	1679832	-
6.2	Hotels & restaurants	89901	99850	106140	114359	126646	140335	153888	-
7.	Transport, storage, communication & services related to broadcasting	529534	609453	689906	786763	860544	929352	989543	-
7.1	Railways	61150	72296	78724	92459	100451	106835	116024	-
7.2	Road transport	262442	300652	338306	370364	399902	434494	473611	-

(Contd.)

Table 2.6(b) (Contd.)

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)
7.3	Water transport	6910	7190	6476	7590	7298	9203	8906	-
7.4	Air transport	4393	8128	6853	11820	20344	22229	23048	-
7.5	Services incidental to transport	63602	72054	75719	91681	88246	102489	117416	-
7.6	Storage	5108	6165	6026	6407	7021	7377	8377	-
7.7	Communication & services related to broadcasting	125930	142969	177804	206442	237782	246726	242161	-
8	Financial, Real Estate & Professional services	1530877	1776632	2069508	2363346	2626138	2911901	3252790	3666728
8.1	Financial services	480226	536819	599341	661411	726286	750224	841977	-
8.2	Real estate, ownership of dwelling & professional services	1050651	1239813	1470167	1701935	1899852	2161677	2410813	-
9	Public Administration, Defence & other services	1025982	1163574	1301935	1491536	1660067	1896517	2206651	2516989
9.1	Public administration and defence	491155	546231	601912	676818	731578	826962	955205	-
9.2	Other services	534827	617343	700023	814718	928489	1069555	1251446	-
10.	GVA at basic prices	8106946	9202692	10363153	11504279	12574499	13935917	15482715	17241154
11.	NVA at basic prices	7189771	8141787	9167178	10161988	11124802	12345192	13700996	15257078
12.	Net taxes on Products	629383	741321	870369	963680	1197376	1426469	1612290	1812813
13.	Net Factor Income from Abroad	-76824	-116763	-139884	-147430	-159779	-176400	-184813	-193626
14.	NNI	7742330	8766345	9897663	10978238	12162398	13555261	15128474	16876265
15.	Per Capita Income (in Rupees)	63462	70983	79118	86647	94797	104659	114958	126699
16	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)

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

: 2nd Revised Estimates (New Series)

@ : 1st Revised Estimates (New Series)

^ : 2nd Advance Estimates (New Series)

Table 2.6 (c): Sectoral share in GVA at current prices (2011-12 series)

S.No.	Industry	2011-12	2012-13	2013-14	2014-15	2015-16*	2016-17#	2017-18@	2018-19^	(Figures in percentage)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
1	Agriculture,forestry & fishing	18.5	18.2	18.6	18.2	17.7	17.9	17.2	16.0	
1.1	Crops	12.1	11.8	12.1	11.2	10.6	11.1	10.0	-	
1.2	Livestock	4.0	4.0	4.1	4.4	4.6	4.6	4.9	-	
1.3	Forestry and logging	1.5	1.5	1.5	1.5	1.5	1.3	1.2	-	
	Fishing and aquaculture	0.8	0.9	0.9	1.0	1.0	1.0	1.1	-	
2	Industry	32.5	31.8	30.8	30.0	29.8	29.3	29.3	29.8	
2.1	Mining and quarrying	3.2	3.1	2.9	2.7	2.4	2.4	2.3	2.4	
2.2	Manufacturing	17.4	17.1	16.5	16.3	16.8	16.8	16.4	16.6	
2.3	Electricity, gas, water supply & other utility services	2.3	2.3	2.5	2.5	2.7	2.6	2.7	2.8	
2.4	Construction	9.6	9.2	8.9	8.5	7.9	7.4	7.8	8.0	
3	Services	49.0	50.0	50.6	51.8	52.5	52.8	53.5	54.2	
4	GVA at basic prices	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)

Table 2.6 (d): Growth of GVA at constant (2011-12) prices

S.No.	Industry	2012-13	2013-14	2014-15	2015-16*	2016-17#	2017-18@	2018-19^	(Figures in percentage)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	
1 Agriculture,forestry & fishing									
1.1 Crops		0.2	5.4	-0.2	0.6	6.3	5.0	2.7	
1.2 Livestock		5.2	5.6	-3.7	-2.9	5.0	3.8	-	
1.3 Forestry and logging		0.2	5.9	1.9	1.7	1.4	2.1	-	
1.4 Fishing and aquaculture		4.9	7.2	7.5	9.7	10.0	11.9	-	
2 Industry									
2.1 Mining and quarrying		0.6	0.2	9.7	10.1	9.5	5.1	1.2	
2.2 Manufacturing		5.5	5.0	7.9	13.1	7.9	5.9	8.1	
2.3 Electricity, gas, water supply & other utility services		2.7	4.2	7.2	4.7	10.0	8.6	8.0	
2.4 Construction		0.3	2.7	4.3	3.6	6.1	5.6	8.9	
3 Services									
4 GVA at basic prices		5.4	6.1	7.2	8.0	7.9	6.9	6.8	
5 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)

@ : 1st Revised Estimates (New Series)

: 2nd Revised Estimates (New Series)

^ : 2nd Advance Estimates (New Series)

Table 2.6 (e): Back Series: GVA by economic activity at constant (2011-12) prices*

S. No.	Industry	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11 (₹ crore)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1.	Agriculture, forestry and fishing	1152841	1208285	1243794	1312283	1309079	1297556	1411634
1.1	crops	750752	796926	815268	871091	849407	822186	916216
1.2	livestock	214000	223793	237726	250633	269777	283777	304475
1.3	forestry and logging	139263	137100	136275	133454	130713	130324	126279
1.4	fishing and aquaculture	48827	50467	54526	57105	59182	61269	646663
2.	Mining and quarrying	232212	246422	257982	269872	263137	278970	316533
3.	Manufacturing	793308	867475	1021780	1093106	1144085	1269564	1367258
3.1	Food Products, Beverages and Tobacco	97295	108847	143457	148089	153624	160539	143178
3.2	Textiles, Apparel and Leather Products	81612	95017	113475	110147	124603	141876	151321
3.3	Metal Products	132348	151519	175676	183519	189641	208609	232510
3.4	Machinery and Equipment	139788	159114	190104	207550	238516	282541	307612
3.5	Other Manufactured Goods	342265	352978	399067	443802	437702	475999	532637
4.	Electricity, gas, water supply & other utility services	116105	123440	133351	144508	151539	160529	171947
5.	Construction	411620	464605	514181	574451	606438	647639	687071
6.	Trade, repair, hotels and restaurants	537367	593354	653714	694463	701527	723045	834970
6.1	Trade & repair services	483515	531753	584720	618540	628897	650621	750536
6.2	Hotels & restaurants	53852	61600	68994	75923	72631	72425	84433

(Contd.)

Table 2.6(e) (Contd.)

S. No.	Industry	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
7. Transport, storage, communication & services related to broadcasting								
7.1 Railways	35495	38271	42443	46377	49696	54151	57021	
7.2 Road transport	150600	164500	181439	196984	208273	225446	244325	
7.3 Water transport	6095	6461	6450	6963	7423	7391	7747	
7.4 Air transport	1587	1961	2577	3150	2933	3386	3961	
7.5 Services incidental to transport	34983	39788	42178	46711	48423	52707	56533	
7.6 Storage	2404	2440	2689	2968	2983	4093	4716	
7.7 Communication & services related to broadcasting	84172	86608	88278	95411	98372	118627	119348	
8. Financial Services								
8.1 Real Estate, ownership of dwelling & Professional Services	27895	312009	351907	386282	405932	435089	464305	
8.2 Public Administration & Defence	706974	767647	807555	863402	908597	964440	1000759	
8.3 Other services	252280	282302	292778	321908	362334	417752	485546	
8.4 GVA at basic prices	5092503	5514228	5953367	6398295	6674215	7131836	7704514	
8.5 GDP at market prices	5480380	5914614	6394375	6881007	7093403	7651078	8301235	

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 2.6 (f): Back Series: GVA by economic activity at current prices (2011-12 series)*

S.No.	Industry	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1. Agriculture, forestry and fishing								
1.1 Crops	567635	639988	715179	820532	925878	1066008	1299884	
1.2 Livestock	364695	419039	467942	553371	615489	706037	877256	
1.3 Forestry and logging	103971	112438	122596	143186	170690	203991	250867	
1.4 Fishing and aquaculture	71828	76822	89472	85057	95647	105628	114505	
2. Mining and quarrying								
93759	110533	128999	149210	163962	193263	251303		
3. Manufacturing								
3.1 Food Products, Beverages and Tobacco	504309	580160	736206	826138	942847	1091430	1300146	
3.2 Textiles, Apparel and Leather Products	57308	63553	93306	89916	109559	122207	149766	
3.3 Metal Products	57770	70303	88728	83007	99345	124168	155791	
3.4 Machinery and Equipment	95185	93551	131103	165689	158150	179828	217538	
3.5 Other Manufactured Goods	101834	124470	149048	167574	194343	239915	275570	
4. Electricity, gas, water supply & other utility services								
77503	83470	93254	105895	108536	140906	161495		
5. Construction								
255447	298540	357380	432602	501582	555714	632754		
6. Trade, repair, hotels and restaurants								
302408	352179	418625	474944	536795	603293	742211		
6.1 Trade & repair services	272046	315530	374306	422836	480934	542511	666811	
6.2 Hotels & restaurants	30362	36649	44319	52108	55860	60782	75400	

(Contd.)

Table 2.6(f) (Contd.)

S.No.	Industry (2)	2004-05 (3)	2005-06 (4)	2006-07 (5)	2007-08 (6)	2008-09 (7)	2009-10 (8)	2010-11 (9)
7.	Transport, storage, communication & services related to broadcasting	224007	255988	293887	329450	367531	409649	449550
7.1	Railways	28601	30555	36759	42473	46376	53681	55464
7.2	Road transport	103280	119505	136551	148326	164954	180463	2117872
7.3	Water transport	3386	3687	3999	4461	5282	5390	6533
7.4	Air transport	2310	2193	1842	1756	1421	3880	4997
7.5	Services incidental to transport	22477	26993	30114	33640	37147	41078	49618
7.6	Storage	1601	1701	1969	2226	2392	3360	4288
7.7	Communication & services related to broadcasting	62352	71354	82652	96567	109958	121796	110779
8	Financial Services	147718	180851	228107	266110	315614	347819	427102
9	Real Estate, ownership of dwelling & Professional Services	381137	430240	495890	583601	688776	784722	916683
10	Public Administration & Defence	175040	190538	207404	236404	304702	396920	435761
11	Other services	175335	204427	229963	265302	316615	385182	466781
12	GVA at basic prices	2904299	3326914	3904895	4490188	5172838	5974906	7083671
13	GDP at market prices	3186332	3632125	4254629	4898662	5514152	6366407	7634472

Source: Central Statistics Office.

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

Table 2.6 (E): Back Series: Sectoral share in GVA at current prices (2011-12 series)*

S.No.	Industry	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	(Figures in percentage)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
1 Agriculture,forestry & fishing										
1.1 Crops		12.6	12.6	12.0	12.3	11.9	11.8	12.4	12.1	
1.2 Livestock		3.6	3.4	3.1	3.2	3.3	3.4	3.5	4.0	
1.3 Forestry and logging		2.5	2.3	2.3	1.9	1.8	1.8	1.6	1.5	
1.4 Fishing and aquaculture		0.9	1.0	0.9	0.9	0.9	0.8	0.8	0.8	
2 Industry										
2.1 Mining and quarrying		3.2	3.3	3.3	3.3	3.2	3.2	3.5	3.2	
2.2 Manufacturing		17.4	17.4	18.9	18.4	18.2	18.3	18.4	17.4	
2.3 Electricity, gas, water supply & other utility services		2.7	2.5	2.4	2.1	2.1	2.4	2.3	2.3	
2.4 Construction		8.8	9.0	9.2	9.6	9.7	9.3	8.9	9.6	
3 Services										
4 GVA at basic prices		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 2.6 (h): Back Series: Growth of GVA at constant (2011-12) prices*

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

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 2.7(a): Gross State Value Added (GSVA) from Agriculture and Allied sector at constant (2011-12) prices

S.No.	State/UT	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	(₹ in Lakh)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Andhra Pradesh	9400805	9783109	10835268	11219987	12092687	13895711	16363497
2	Arunachal Pradesh	455505	472794	491472	538905	507243	450551	NA
3	Assam	2848113	3314074	3209159	3295165	3433875	3420435	NA
4	Bihar	6206555	6803952	5951631	5934907	6075350	6686351	6777852
5	Chhattisgarh	2685950	2850360	2927578	3121630	3114822	3543963	3646475
6	Goa	20298	195849	222419	222662	208798	215303	NA
7	Gujarat	10735422	9255884	11713736	11714466	11529691	12671603	NA
8	Haryana	6453886	6326499	6502514	6377952	6562812	6982663	NA
9	Himachal Pradesh	1162626	1244329	1371209	1327287	1440749	1401436	1424950
10	Jammu & Kashmir	1306347	1249071	1300874	1159250	1451308	1513654	NA
11	Jharkhand	2233546	2364954	2321295	3033187	2171688	2543436	2614780
12	Karnataka	7555868	7169531	7687781	8017990	72227571	7460029	7905745
13	Kerala	4837594	4906807	4597159	4598265	4363785	4370459	NA
14	Madhya Pradesh	9107231	11339017	11320844	12025714	11933382	15245685	NA
15	Maharashtra	15002673	14939157	16780588	14983469	14499029	17757904	16284540
16	Manipur	251623	276425	288575	295331	273718	269945	NA
17	Meghalaya	283868	313890	326927	376920	359196	376103	383523

(Contd.)

Table 2.7(a) (Contd.)

S.No.	State /UT	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
18	Mizoram	149468	145937	157013	329058	335566	356420	NA
19	Nagaland	373363	396443	435269	452811	420256	427005	NA
20	Odisha	3934537	4558109	4368529	4711024	4074096	4874833	4645942
21	Punjab	7816825	7886831	8147237	7866141	7976262	8466834	NA
22	Rajasthan	11910303	12264217	13360426	13730589	13652652	14040258	14594840
23	Sikkim	90137	93361	96740	99226	103078	112922	119727
24	Tamil Nadu	8773221	7818877	9161346	9836476	10091573	9730826	11192580
25	Telangana	5461488	5943354	6179205	5581067	5161495	5687791	6124788
26	Tripura	511201	550569	646611	670462	660854	NA	NA
27	Uttar Pradesh	18325197	19161813	19071717	18685674	19479107	20610052	21896557
28	Uttarakhand	1330208	1355632	1339653	1335728	1312630	1359530	1379732
29	West Bengal	11710585	12156539	12150254	12694116	12766739	13206274	13436139
30	Andaman & Nicobar Islands	59713	61215	65791	68664	65875	63719	NA
31	Chandigarh	12641	12159	12389	12360	13172	11850	NA
32	Delhi	285663	223585	208519	181509	165784	176490	192112
33	Puducherry	75378	79263	80607	89147	83437	82634	81716

Source: Central Statistics Office

Note: Figures are as per the new series with base year 2011-12
 2. Agriculture and Allied Sector includes Agriculture, Forestry, logging and Fishing.
 NA :- Not Available

Table 2.7(b): GSVA from Agriculture (including Crop and Livestock sector) at current prices (2011-12 series)

S.No.	State/UT	GSVA from Agriculture (including Crop and Livestock Sector)			Total GSVA			% Share of Agriculture in Total GSVA (₹ in Lakh)	
		2016-17 (2)	2017-18 (3)	2016-17 (4)	2016-17 (5)	2017-18 (6)	2016-17 (7)	2017-18 (8)	2016-17 (26.11)
1	Andhra Pradesh	16198758	19209134	63474208	73570926	25.52	25.52	25.52	26.11
2	Arunachal Pradesh	339913	NA	1947063	NA	17.46	17.46	17.46	NA
3	Assam	3634601	NA	23812711	NA	15.26	15.26	15.26	NA
4	Bihar	8484592	8814265	41450241	46753524	20.47	20.47	20.47	18.85
5	Chhattisgarh	3933736	4497184	24653778	27341685	15.96	15.96	15.96	16.45
6	Goa	210877	NA	5672823	NA	3.72	3.72	3.72	NA
7	Gujarat	14907361	NA	103357305	NA	14.42	14.42	14.42	NA
8	Haryana	8994140	NA	49129206	NA	18.31	18.31	18.31	NA
9	Himachal Pradesh	1124016	1185675	11800889	12703230	9.52	9.52	9.52	9.33
10	Jammu & Kashmir	2125568	NA	12020879	NA	17.68	17.68	17.68	NA
11	Jharkhand	2939721	3238235	20862770	22833819	14.09	14.09	14.09	14.18
12	Karnataka	10430097	11309322	103510957	116708645	10.08	10.08	10.08	9.69
13	Kerala	4862313	NA	55664585	NA	8.74	8.74	8.74	NA
14	Madhya Pradesh	22750077	NA	60622590	NA	37.53	37.53	37.53	NA
15	Maharashtra	21455774	19453752	197221565	215329050	10.88	10.88	10.88	9.03
16	Manipur	313153	NA	2034121	NA	15.40	15.40	15.40	NA
17	Meghalaya	345483	364559	2440358	2669494	14.16	14.16	14.16	13.66

(Contd.)

Table 2.7(b) (Contd.)

S.No.	State/UT	GSVA from Agriculture (including Crop and Livestock Sector)				Total GSVA		% Share of Agriculture in Total GSVA	
		2016-17	2017-18	(4)	(5)	(6)	(7)	(8)	
18	Mizoram	214237	NA	1723893	NA	12.43	NA	NA	NA
19	Nagaland	516509	NA	2110561	NA	24.47	NA	NA	NA
20	Odisha	5876449	5934172	34804742	38199713	16.88	15.53		
21	Punjab	10243686	NA	38659644	NA	26.50	NA	NA	NA
22	Rajasthan	15799390	17054834	70915144	78302778	22.28	21.78		
23	Sikkim	184494	212102	1915003	2128064	9.63	9.97		
24	Tamil Nadu	11997291	14939611	115340962	129407760	10.40	11.54		
25	Telangana	8317763	9082114	60136876	68131693	13.83	13.33		
26	Tripura	NA	NA	NA	NA	NA	NA	NA	NA
27	Uttar Pradesh	27783730	30576635	115753009	126802899	24.00	24.11		
28	Uttarakhand	1371893	1465519	17558135	19410404	7.81	7.55		
29	West Bengal	15802682	18348653	82656625	95899924	19.12	19.13		
30	Andaman & Nicobar Islands	57641	NA	661666	NA	8.71	NA	NA	NA
31	Chandigarh	16028	NA	3107841	NA	0.52	NA	NA	NA
32	Delhi	242571	272718	53265644	58595931	0.46	0.47		
33	Puducherry	91256	97391	2546225	2831049	3.58	3.44		

Source: Central Statistics Office

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

NA :- Not Available

Table 2.8. Share of Agriculture & Allied Sector in GSVA at current prices (2011-12 series)

S.No.	State\UT	GSVA from Agriculture & Allied				% Share of Agriculture & Allied in Total GSVA			% Growth over previous year	
		2015-16 (3)	2016-17 (4)	2017-18 (5)	2015-16 (6)	2016-17 (7)	2017-18 (8)	2016-17 (9)	2017-18 (10)	
1	Andhra Pradesh	17253117	20788108	25284708	31.26	32.75	34.37	20.49	21.63	
2	Arunachal Pradesh	748692	726041	NA	41.66	37.29	NA	-3.03	NA	
3	Assam	4373933	4620893	NA	20.33	19.41	NA	5.65	NA	
4	Bihar	8430374	9839545	10391254	23.29	23.74	22.23	16.72	5.61	
5	Chhattisgarh	4426468	5300498	6059122	20.14	21.50	22.16	19.75	14.31	
6	Goa	351190	402272	NA	7.09	7.09	NA	14.55	NA	
7	Gujarat	14380999	16949359	NA	15.71	16.40	NA	17.86	NA	
8	Haryana	8396709	9466087	NA	19.17	19.27	NA	12.74	NA	
9	Himachal Pradesh	1704691	1812721	1857466	15.89	15.36	14.62	6.34	2.47	
10	Jammu & Kashmir	2121831	2326849	NA	19.18	19.36	NA	9.66	NA	
11	Jharkhand	3146379	3863940	4325710	16.84	18.52	18.94	22.81	11.95	
12	Karnataka	11241332	11694392	12630263	11.92	11.30	10.82	4.03	8.00	
13	Kerala	6399310	6933902	NA	12.58	12.46	NA	8.35	NA	
14	Madhya Pradesh	17955874	24488584	NA	35.22	40.40	NA	36.38	NA	
15	Maharashtra	18361243	24087412	22336877	10.54	12.21	10.37	31.19	-7.27	
16	Manipur	397568	399272	NA	20.89	19.63	NA	0.43	NA	
17	Meghalaya	472392	504084	530102	20.65	20.66	19.86	6.71	5.16	

(Contd.)

Table 2.8 (Contd.)

S.No.	State\UT	GSVA from Agriculture & Allied				% Share of Agriculture & Allied in Total GSVA			% Growth over previous year	
		(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
18	Mizoram	465297	517079	NA	31.41	29.99	NA	11.13	NA	NA
19	Nagaland	596987	652115	NA	30.98	30.90	NA	9.23	NA	NA
20	Odisha	6141929	7509102	7632274	20.04	21.57	19.98	22.26	1.64	
21	Punjab	10139834	11282002	NA	28.71	29.18	NA	11.26	NA	
22	Rajasthan	16966668	18081239	19385558	26.38	25.50	24.76	6.57	7	
23	Sikkim	155710	191418	219840	9.03	10.00	10.33	22.93	14.85	
24	Tamil Nadu	13235403	13321068	16282699	12.30	11.55	12.58	0.65	22.23	
25	Telangana	7570653	8811105	9777709	14.28	14.65	14.28	16.39	10.40	
26	Tripura	1106465	NA	NA	33.27	NA	NA	NA	NA	
27	Uttar Pradesh	27250612	29664900	32591371	25.78	25.63	25.70	8.86	9.87	
28	Uttarakhand	1628380	1709505	1826884	9.95	9.74	9.41	4.98	6.87	
29	West Bengal	18391923	19452043	22460294	24.52	23.53	23.42	5.76	15.46	
30	Andaman & Nicobar Islands	83314	83354	NA	13.82	12.60	NA	0.05	NA	
31	Chandigarh	18221	16937	NA	0.64	0.54	NA	-7.05	NA	
32	Delhi	223812	244631	274745	0.47	0.46	0.47	9.30	12.31	
33	Puducherry	120053	125175	131562	5.17	4.92	4.65	4.27	5.10	

Source: Central Statistics Office

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

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

NA :- Not Available

3

Outlays, Expenditure and Capital Formation in Agriculture

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

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 (DACPFW)							
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	200.00
4	Pradhan Mantri Annadata Aay Samrakshan Yojna (PM-AASHA)	-	-	-	-	-	1400
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	26338.00	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
2	Green Revolution	-	-	-	-	-	-
a	Rashtriya Krishi Vikas Yojana	3892.01	4750.00	3050.00	3559.74	3600.00	3600.00

(Contd.)

Table 3.1 (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)
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 Krishvi 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
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		11973.98	17141.00	14184.66	13733.94	17908.92	14756.95

(Contd.)

Table 3.1 (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)
III. Other Expenditure**		339.13	514.7	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	2588.43	
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	

(Contd.)

Table 3.1 (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)
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
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	50233.74	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 3.2: Disaggregated Outlay/ Expenditure on Developmental Heads by Ministry of Agriculture & Farmers Welfare

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	11736.55
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 3.2 (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	7435.17
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 3.3(a): Budget Estimate, Revised Estimate and Actual Expenditure
(Department of Agriculture, Cooperation & Farmers Welfare)**

Year	Budget Estimate	Revised Estimate	Actual Expenditure*
(1)	(2)	(3)	(4)
2009-10	11915.22	12116.63	11934.99
2010-11	15647.97	17695.48	17333.68
2011-12	17522.87	16825.31	16753.10
2012-13	20530.22	18173.94	18028.38
2013-14	21933.50	19306.82	19027.58
2014-15	22652.25	19852.00	19513.58
2015-16	17004.35	15809.54	15333.92
2016-17	35983.69	39840.50	37029.81
2017-18	41855.00	41105.00	37538.77
2018-19	46700.00	67800.00	35043.67**

Source : Department of Agriculture, Cooperation & Farmers Welfare

* Actual expenditure is unadjusted for recoveries

** As on 31.12.2018

Note: Due to discontinuation of distinction between Plan and Non-Plan expenditure, the figures have been updated/revised as per total expenditure.

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

Year	Budget Estimate	Revised Estimate	Actual Expenditure*
(1)	(2)	(3)	(4)
2009-10	3314.77	3322.68	3263.35
2010-11	3825.55	5172.50	5385.84
2011-12	4966.14	5016.14	4987.95
2012-13	5392.00	4620.00	4618.64
2013-14	5729.17	4881.08	4879.94
2014-15	6144.39	4884.00	4840.03
2015-16	6320.00	5586.00	5572.89
2016-17	6620.00	6238.00	5995.21
2017-18	6800.00	6992.00	6989.92
2018-19	7800.00	7952.73	5906.17**

Source: Department of Agricultural Research and Education

* Actual expenditure is unadjusted for recoveries

** As on 31.01.2019

Note: Due to discontinuation of distinction between Plan and Non-Plan expenditure, the figures have been updated/revised as per total expenditure.

Table 3.3(c): Budget Estimate, Revised Estimate and Actual Expenditure
(Department of Animal Husbandry, Dairying and Fisheries)

Year (1)	Budget Estimate (2)	Revised Estimate (3)	Actual Expenditure* (4)
	(₹ Crore)		
2009-10	1583.50	1097.97	1057.48
2010-11	1761.10	1304.55	1203.19
2011-12	2037.95	1330.84	1239.42
2012-13	2009.37	1878.20	1811.51
2013-14	2110.16	1882.97	1826.93
2014-15	2266.30	1886.57	1818.31
2015-16	1585.43	1562.66	1410.34
2016-17	1881.51	1994.00	1956.55
2017-18	2371.00	2166.74	2090.63
2018-19	3100.00	3273.01	1190.93**

Source : Department of Animal Husbandry, Dairying and Fisheries

* Actual expenditure is unadjusted for recoveries

** As on 31.08.2018

Note:

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 include Revenue Receipts from Delhi Milk Scheme (DMS)

Table 3.4(a): Gross Capital Formation (GCF) in Agriculture & Allied sector at current prices (2011-12 series)

Year	GCF in Agriculture & Allied sector (₹ Gcore)	GCF of Economy (by industry of use) (₹ Gcore)			Share of GCF in Agriculture & Allied sector in GCF of Economy (%)				
		Public	Private	Total	Private	Total	Public	Private	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
2011-12	35696	238175	273870	658358	2547358	3205716	5.4	9.3	8.5
2012-13	39743	233747	273490	718648	2820849	3539498	5.5	8.3	7.7
2013-14	40827	290009	330836	794931	2865311	3660242	5.1	10.1	9.0
2014-15	47319	284545	331863	884470	3178620	4063089	5.3	9.0	8.2
2015-16*	56167	242388	298555	1043697	3175873	4219570	5.4	7.6	7.1
2016-17#	66863	282628	349491	1087004	3387723	4474728	6.2	8.3	7.8
2017-18@	78989	287112	366101	1234998	3835705	5070703	6.4	7.5	7.2

Source: Central Statistics Office (CSO)

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

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

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

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

Year	GCF in Agriculture & Allied sector (₹ Crore)		GCF of Economy (by industry of use) (₹ Crore)		Share of GCF in Agriculture & Allied sector in GCF of Economy (%)				
	Public	Private	Total	Public	Private	Total			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
2011-12	35696	238175	273870	658358	2547358	3205716	5.4	9.3	8.5
2012-13	36019	215075	251094	674878	2672444	3347322	5.3	8.0	7.5
2013-14	33925	250499	284424	716140	2608543	3324683	4.7	9.6	8.6
2014-15	37172	235491	272663	774388	2778459	3552847	4.8	8.5	7.7
2015-16*	42522	195127	237648	923710	2808030	3731740	4.6	6.9	6.4
2016-17#	47738	220098	267836	952943	2954923	3907866	5.0	7.4	6.9
2017-18@	54184	219571	273755	1030944	3256045	4286988	5.3	6.7	6.4

Source: Central Statistics Office (CSO)

* 3rd Revised Estimates # 2nd Revised Estimates

@ : 1st Revised Estimates

Table 3.5(a): Share of GCF in Agriculture and Allied sector in GVA of Economy at current prices (2011-12 series)

Year	GCF in Agriculture & Allied sector (` Crore)			GVA of Economy (` Crore)	Share of GCF in Agriculture & Allied sector in GVA of Economy (%)		
	Public	Private	Total		Public	Private	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
2011-12	35696	238175	273870	8106946	0.44	2.94	3.38
2012-13	39743	233747	273490	9202692	0.43	2.54	2.97
2013-14	40827	290009	330836	10363153	0.39	2.80	3.19
2014-15	47319	284545	331863	11504279	0.41	2.47	2.88
2015-16*	56167	242388	298555	12574499	0.45	1.93	2.37
2016-17#	66863	282628	349491	13935917	0.48	2.03	2.51
2017-18@	78989	287112	366101	15482715	0.51	1.85	2.36

Source: Central Statistics Office(CSO)

3rd Revised Estimates

2nd Revised Estimates

@ 1st Revised Estimates

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

Year	GCF in Agriculture & Allied sector (` Crore)			GVA of Economy (` Crore)	Share of GCF in Agriculture & Allied sector in GVA of Economy (%)		
	Public	Private	Total		Public	Private	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
2011-12	35696	238175	273870	8106946	0.44	2.94	3.38
2012-13	36019	215075	251094	8546275	0.42	2.52	2.94
2013-14	33925	250499	284424	9063649	0.37	2.76	3.14
2014-15	37172	235491	272663	9712133	0.38	2.42	2.81
2015-16*	42522	195127	237648	10491870	0.41	1.86	2.27
2016-17#	47738	220098	267836	11318972	0.42	1.94	2.37
2017-18@	54184	219571	273755	12104165	0.45	1.81	2.26

Source: Central Statistics Office(CSO)

3rd Revised Estimates

2nd Revised Estimates

@ 1st Revised Estimates

Table 3.6: Share of GCF in Agriculture & Allied sector in GVA from Agriculture & Allied sector (2011-12 series)

Year	(Figures in Percentage)					
	At Constant (2011-12) Prices			At Current Prices		
	Public	Private	Total	Public	Private	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)
2011-12	2.4	15.9	18.2	2.4	15.9	18.2
2012-13	2.4	14.1	16.5	2.4	14.0	16.3
2013-14	2.1	15.6	17.7	2.1	15.1	17.2
2014-15	2.3	14.7	17.0	2.3	13.6	15.9
2015-16*	2.6	12.1	14.7	2.5	10.9	13.4
2016-17#	2.8	12.8	15.6	2.7	11.3	14.0
2017-18@	3.0	12.2	15.2	3.0	10.8	13.7

Source: Central Statistics Office (CSO)

3rd Revised Estimates

2nd Revised Estimates

@ 1st Revised Estimates

4 (A)

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

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

Crop	2002-03			2003-04			2004-05			2005-06			2006-07			Xth Plan		
	Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement	(13)	(14)	(15)	(16)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
Rice	93.00	71.82	93.00	88.53	93.50	83.13	87.80	91.79	92.80	93.35	46.0.10	428.62						
Wheat	78.00	65.76	78.00	72.15	79.50	68.64	75.53	69.35	75.53	75.81	386.56	351.71						
Nutri Cereals	33.00	26.07	34.00	37.60	36.80	33.46	36.52	34.06	36.52	33.92	176.84	165.11						
Pulses	16.00	11.13	15.00	14.91	15.30	13.13	15.15	13.39	15.15	14.20	76.60	66.76						
Foodgrains	220.00	174.77	220.00	213.19	225.10	198.36	215.00	208.60	220.00	217.28	110.0.10	1012.20						
Oilseeds	27.00	14.84	24.70	25.19	26.20	24.35	26.58	27.98	29.40	24.29	133.88	116.65						
Sugarcane	320.00	287.38	320.00	233.86	270.00	237.09	237.50	281.17	270.00	355.52	1417.50	1395.02						
Cotton #	15.00	8.62	15.00	13.73	15.00	16.43	16.50	18.50	18.50	22.63	80.00	79.91						
Jute & Mesta®	12.00	11.28	12.00	11.17	11.80	10.27	11.28	10.84	11.28	11.27	58.36	54.83						

Source: Directorate of Economics & Statistics, DAC&FW

Million Bales of 170 kg. each. @ Million Bales of 180 kg. each.

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

Crop	2007-08			2008-09			2009-10			2010-11			Xth Plan			2012-13			2013-14			2014-15			2015-16			2016-17		
	Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)						
Rice	93.00	96.69	97.00	99.18	100.50	89.09	102.00	95.98	102.00	105.30	494.50	486.24	104.00	105.24	105.00	106.65	106.00	105.48	106.10	104.41	108.50	109.70	108.50	112.91						
Wheat	75.50	78.57	78.50	80.68	79.00	80.80	82.00	86.87	84.00	94.88	399.00	421.80	88.00	93.51	92.50	95.85	94.00	86.53	94.75	92.29	96.50	98.51	97.50	99.70						
Nutri Cereals	37.50	40.76	42.00	40.03	43.10	33.55	44.00	43.68	42.00	42.01	208.60	200.03	44.00	40.04	42.50	43.29	41.50	42.86	43.20	38.52	44.35	43.17	45.65	46.99						
Pulses	15.50	14.76	15.50	14.57	16.50	14.66	16.50	18.24	17.00	17.09	81.00	79.32	18.24	18.34	19.00	19.25	19.50	17.15	20.05	16.32	20.75	23.13	22.90	25.23						
Foodgrains	221.50	230.78	233.00	234.47	239.10	218.11	244.50	244.78	245.00	259.29	1183.10	1187.43	254.24	257.13	259.00	265.04	261.00	252.03	264.10	251.54	270.10	275.11	274.55	284.83						
Oilseeds	30.00	29.76	31.75	27.72	31.60	24.88	33.20	32.48	33.60	30.01	160.15	144.85	33.50	30.94	31.00	32.75	33.00	27.51	33.00	25.25	35.00	31.28	35.50	31.31						
Sugarcane	310.00	348.19	340.00	295.03	340.00	292.30	315.00	342.38	350.00	361.04	1655.00	1628.94	352.00	341.20	340.00	352.14	345.00	362.33	355.00	348.45	355.00	306.07	355.00	376.90						
Cotton #	22.00	25.88	26.00	22.28	26.00	24.02	26.00	33.00	34.00	35.20	134.00	140.38	35.00	34.22	35.00	35.90	35.00	34.81	35.15	30.01	36.00	32.58	35.50	34.89						
Jute & Mesta [#]	11.00	11.21	11.00	10.37	11.20	11.82	11.50	10.62	12.30	11.40	57.00	55.42	12.00	10.93	12.00	11.69	11.20	11.13	11.70	10.52	11.70	10.96	11.70	10.14						

Source: Directorate of Economics & Statistics, DAC&FW
* 4th Advance Estimates. # Million Bales of 170 kg. each. @ Million Bales of 180 kg. each.

Table 4.2: Three Largest Producing States of Important Crops during 2017-18*

Production : Million Tonnes			
Group of Crops	Crops	States	Production
(1)	(2)	(3)	(4)
I. Foodgrains	Rice	West Bengal	14.97
		Punjab	13.38
		Uttar Pradesh	13.27
		All - India	112.91
	Wheat	Uttar Pradesh	31.88
		Punjab	17.85
		Madhya Pradesh	15.91
		All - India	99.70
	Maize	Karnataka	3.55
		Maharashtra	3.54
		Madhya Pradesh	3.54
		All - India	28.72
Total Nutri Cereals	Rajasthan		6.57
		Karnataka	6.27
		Maharashtra	6.09
		All - India	46.99
Total Pulses	Madhya Pradesh		8.11
		Rajasthan	3.39
		Maharashtra	3.30
		All - India	25.23
Total Foodgrains	Uttar Pradesh		51.25
		Madhya Pradesh	33.45
		Punjab	31.71
		All - India	284.83
II .Oilseeds	Groundnut	Gujarat	3.94
		Rajasthan	1.26
		Andhra Pradesh	1.04
		All - India	9.18
	Rapeseed & Mustard	Rajasthan	3.40

(Contd.)

Table 4.2 (*Contd.*)

Group of Crops	Crops	States	Production
(1)	(2)	(3)	(4)
		Haryana	1.11
		Madhya Pradesh	0.98
		All - India	8.32
	Soybean	Madhya Pradesh	5.32
		Maharashtra	3.89
		Rajasthan	1.07
		All - India	10.98
	Sunflower	Karnataka	0.10
		Bihar	0.02
		Odisha	0.02
		All - India	0.21
	Total Oilseeds	Madhya Pradesh	6.95
		Rajasthan	5.97
		Gujarat	5.86
		All - India	31.31
III. Other Cash Crops	Sugarcane	Uttar Pradesh	177.06
		Maharashtra	83.13
		Karnataka	28.26
		All - India	376.90
	Cotton®	Gujarat	12.637
		Maharashtra	6.546
		Telangana	4.754
		All - India	34.89
	Jute & Mesta*	West Bengal	7.64
		Bihar	1.45
		Assam	0.84
		All - India	10.14

Source: Directorate of Economics & Statistics, DAC&FW

@ : Production in million bales of 170 kg. each. * 4th Advance Estimates.

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

Table 4.3 : Normal Estimates (Average of 2012-13 to 2016-17) of Area, Production and Yield of Major Crops in India

Group of Crops	Crops	Season	Area - Million Hectares	Production - Million Tonnes	Yield - Kg./ Hectare
			Area		
			(1)	(2)	(3)
I. Foodgrains	Rice	Kharif	39.54	92.59	2342
		Rabi	4.16	13.70	3294
		Total	43.70	106.29	2432
	Wheat	Rabi	30.63	93.34	3047
	Jowar	Kharif	2.23	2.26	1013
		Rabi	3.74	2.75	736
		Total	5.97	5.01	839
	Bajra	Kharif	7.40	8.99	1215
	Maize	Kharif	7.42	17.07	2300
		Rabi	1.65	6.76	4097
		Total	9.07	23.83	2627
	Total Nutri Cereals	Kharif	18.85	30.51	1618
		Rabi	6.06	11.19	1848
		Total	24.91	41.70	1674
	Tur	Kharif	4.19	3.29	785
	Gram	Rabi	8.95	8.43	942
	Total Pulses	Kharif	11.19	6.55	585
		Rabi	14.08	12.29	873
		Total	25.28	18.84	745
	Total Foodgrains	Kharif	69.59	129.65	1863
		Rabi	54.93	130.52	2376
		Total	124.52	260.17	2089
II .Oilseeds	Groundnut	Total	4.99	7.20	1444
	Rapeseed & Mustard	Rabi	6.13	7.38	1205
	Soybean	Kharif	11.25	11.73	1042
	Sunflower	Total	0.59	0.41	686
	Nine Oilseeds	Total	26.48	29.55	1116
III . Other Cash Crops	Sugarcane	Total	4.88	342.04	70027
	Cotton®	Total	11.97	33.50	476
	Jute & Mesta\$	Total	0.81	11.05	2451

Source: Directorate of Economics & Statistics, DAC&FW

@ : Production in million bales of 170 kg. each. \$: Production in million bales of 180 kg. each.

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

A - Area in Million Hectares

P - Production in Million Tonnes

Y - Yield in Kg./Hectare

Year	Kharif			Rabi			Total		
	A	P	Y	A	P	Y	A	P	Y
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1966-67	78.21	48.89	625	37.09	25.34	683	115.30	74.23	644
1967-68	81.49	60.76	746	39.93	34.29	859	121.42	95.05	783
1968-69	80.40	59.57	741	40.03	34.44	860	120.43	94.01	781
1969-70	82.30	62.35	758	41.27	37.15	900	123.57	99.50	805
1970-71	82.36	68.92	837	41.96	39.50	941	124.32	108.42	872
1971-72	79.22	62.99	795	43.40	42.18	972	122.62	105.17	858
1972-73	78.34	58.64	749	40.94	38.39	938	119.28	97.03	813
1973-74	84.12	67.84	806	42.42	36.83	868	126.54	104.67	827
1974-75	79.74	59.10	741	41.34	40.73	985	121.08	99.83	824
1975-76	83.15	73.89	889	45.03	47.14	1047	128.18	121.03	944
1976-77	81.18	66.53	820	43.18	44.64	1034	124.36	111.17	894
1977-78	82.88	77.72	938	44.64	48.69	1091	127.52	126.41	991
1978-79	82.85	78.08	942	46.16	53.82	1166	129.01	131.90	1022
1979-80	80.79	63.25	783	44.42	46.45	1046	125.21	109.70	876
1980-81	83.21	77.65	933	43.46	51.94	1195	126.67	129.59	1023
1981-82	83.93	79.38	946	45.21	53.92	1193	129.14	133.30	1032
1982-83	79.08	69.90	884	46.02	59.62	1296	125.10	129.52	1035
1983-84	84.14	89.23	1060	47.02	63.14	1343	131.16	152.37	1162
1984-85	81.18	84.52	1041	45.49	61.02	1341	126.67	145.54	1149
1985-86	81.80	85.25	1042	46.22	65.19	1410	128.02	150.44	1175
1986-87	81.46	80.20	985	45.74	63.22	1382	127.20	143.42	1128
1987-88	74.89	74.56	996	44.80	65.79	1469	119.69	140.35	1173
1988-89	82.03	95.64	1166	45.64	74.28	1628	127.67	169.92	1331
1989-90	81.40	100.99	1241	45.37	70.05	1544	126.77	171.04	1349
1990-91	80.78	99.44	1231	47.06	76.95	1635	127.84	176.39	1380

(Contd.)

Table 4.4 (*Contd.*)

Year	Kharif			Rabi			Total		
	A	P	Y	A	P	Y	A	P	Y
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1991-92	78.02	91.59	1174	43.85	76.79	1751	121.87	168.38	1382
1992-93	77.92	101.47	1302	45.23	78.01	1725	123.15	179.48	1457
1993-94	75.81	100.40	1324	46.94	83.86	1787	122.75	184.26	1501
1994-95	75.19	101.09	1344	48.67	90.41	1858	123.86	191.50	1546
1995-96	73.60	95.12	1292	47.42	85.30	1799	121.02	180.42	1491
1996-97	75.34	103.82	1379	48.24	95.52	1980	123.58	199.34	1613
1997-98	74.37	101.58	1370	49.70	90.68	1825	124.07	192.26	1550
1998-99	73.99	102.91	1391	51.18	100.69	1967	125.17	203.60	1627
1999-00	73.24	105.51	1441	49.87	104.29	2091	123.11	209.80	1704
2000-01	75.22	102.09	1357	45.83	94.73	2067	121.05	196.81	1626
2001-02	74.23	112.07	1510	48.55	100.78	2076	122.78	212.85	1734
2002-03	68.56	87.22	1272	45.30	87.55	1933	113.86	174.77	1535
2003-04	75.44	117.00	1551	48.01	96.19	2004	123.45	213.19	1727
2004-05	72.26	103.31	1430	47.82	95.05	2004	120.08	198.36	1652
2005-06	72.72	109.87	1511	48.88	98.73	2020	121.60	208.60	1715
2006-07	72.67	110.58	1522	51.04	106.71	2091	123.71	217.28	1756
2007-08	73.58	121.00	1644	50.49	109.77	2174	124.07	230.78	1860
2008-09	71.45	118.18	1654	51.39	116.28	2263	122.85	234.47	1909
2009-10	69.51	104.00	1496	51.83	114.11	2202	121.34	218.11	1798
2010-11	72.42	120.90	1669	54.25	123.60	2278	126.67	244.50	1930
2011-12	72.08	131.27	1821	52.67	128.01	2430	124.75	259.29	2078
2012-13	67.69	128.07	1892	53.09	129.06	2431	120.78	257.13	2129
2013-14	69.05	128.69	1864	55.99	136.35	2435	125.04	265.04	2120
2014-15	68.77	128.06	1862	55.53	123.96	2232	124.30	252.02	2028
2015-16	69.20	125.09	1808	54.01	126.45	2341	123.22	251.54	2041
2016-17	73.20	138.33	1890	56.03	136.78	2441	129.23	275.11	2129
2017-18*	72.06	140.73	1953	55.50	144.10	2596	127.56	284.83	2233

Source: Directorate of Economics & Statistics, DAC&FW

*4th Advance Estimates.

Table 4.5(a): Foodgrains: All-India Area, Production and Yield alongwith coverage under Irrigation

Year	Area	Production	Yield	Area - Million Hectares
				Production - Million Tonnes
(1)	(2)	(3)	(4)	Yield - Kg./Hectare
1950-51	97.32	50.82	522	18.10
1951-52	96.96	51.99	536	18.41
1952-53	102.09	59.20	580	18.09
1953-54	109.07	69.82	640	18.13
1954-55	107.86	68.03	631	18.42
1955-56	110.56	66.85	605	18.53
1956-57	111.14	69.86	629	18.15
1957-58	109.48	64.31	587	19.28
1958-59	114.76	77.14	672	18.69
1959-60	115.82	76.67	662	18.77
1960-61	115.58	82.02	710	19.09
1961-62	117.23	82.71	706	19.14
1962-63	117.84	80.15	680	19.80
1963-64	117.42	80.64	687	19.83
1964-65	118.11	89.36	757	20.22
1965-66	115.10	72.35	629	20.92
1966-67	115.30	74.23	644	22.21
1967-68	121.42	95.05	783	21.58
1968-69	120.43	94.01	781	23.55
1969-70	123.57	99.50	805	23.70
1970-71	124.32	108.42	872	24.11
1971-72	122.62	105.17	858	24.49
1972-73	119.28	97.03	813	25.35
1973-74	126.54	104.67	827	24.47
1974-75	121.08	99.83	824	26.52
1975-76	128.18	121.03	944	26.52
1976-77	124.36	111.17	894	27.36
1977-78	127.52	126.41	991	27.72
1978-79	129.01	131.90	1022	28.79
1979-80	125.21	109.70	876	30.35
1980-81	126.67	129.59	1023	29.66
1981-82	129.14	133.30	1032	29.59
1982-83	125.10	129.52	1035	30.83

(Contd.)

Table 4.5.(a) (Contd.)

Year	Area	Production	Yield	Area Under Irrigation (%)
(1)	(2)	(3)	(4)	(5)
1983-84	131.16	152.37	1162	30.93
1984-85	126.67	145.54	1149	31.88
1985-86	128.02	150.44	1175	31.38
1986-87	127.20	143.42	1128	32.64
1987-88	119.69	140.35	1173	33.48
1988-89	127.67	169.92	1331	34.42
1989-90	126.77	171.04	1349	34.99
1990-91	127.84	176.39	1380	35.07
1991-92	121.87	168.38	1382	37.37
1992-93	123.15	179.48	1457	37.42
1993-94	122.75	184.26	1501	38.66
1994-95	123.86	191.50	1546	39.61
1995-96	121.01	180.42	1491	40.13
1996-97	123.58	199.34	1614	41.71
1997-98	124.07	192.26	1552	41.71
1998-99	125.17	203.61	1627	43.31
1999-00	123.10	209.80	1704	44.63
2000-01	121.05	196.81	1626	43.70
2001-02	122.78	212.85	1734	43.58
2002-03	113.86	174.77	1535	43.42
2003-04	123.45	213.19	1727	42.60
2004-05	120.08	198.36	1652	44.59
2005-06	121.60	208.60	1715	45.70
2006-07	123.71	217.28	1756	47.18
2007-08	124.07	230.78	1860	47.28
2008-09	122.83	234.47	1909	48.47
2009-10	121.33	218.11	1798	47.84
2010-11	126.67	244.49	1930	48.06
2011-12	124.75	259.29	2078	49.82
2012-13	120.78	257.13	2129	51.29
2013-14	125.05	265.05	2120	51.93
2014-15	124.30	252.03	2028	53.05
2015-16	123.22	251.54	2041	-
2016-17	129.23	275.11	2129	-
2017-18*	127.56	284.83	2233	-

Source: Directorate of Economics & Statistics, DAC&FW

* 4th Advance Estimates.

Table 4.5 (b): Foodgrains: Area, Production and Yield during 2016-17 and 2017-18 in major Producing States alongwith coverage under Irrigation

State	Area	2017-18*						2016-17						Area Under Irrigation (%) 2014-15*
		% to All- India	Production	% to All- India	Yield	Area	% to All- India	Production	% to All- India	Production	(11)	(12)		
(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		
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, DAC&FW

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

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

*Provisional

Fourth Advance Estimates.

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

Year (1)	Area (2)	Production (3)	Yield (4)	Area - Million Hectares
				Production - Million Tonnes
				Yield - Kg./Hectare
Year (1)	Area (2)	Production (3)	Yield (4)	Area Under Irrigation(%) (5)
(1)	(2)	(3)	(4)	(5)
1950-51	30.81	20.58	668	31.70
1951-52	29.83	21.30	714	31.71
1952-53	29.97	22.90	764	32.30
1953-54	31.29	28.21	902	33.59
1954-55	30.77	25.22	820	34.41
1955-56	31.52	27.56	874	34.88
1956-57	32.28	29.04	900	35.45
1957-58	32.30	25.53	790	36.38
1958-59	33.17	30.85	930	36.29
1959-60	33.82	31.68	937	35.84
1960-61	34.13	34.58	1013	36.77
1961-62	34.69	35.66	1028	37.47
1962-63	35.69	33.21	931	37.39
1963-64	35.81	37.00	1033	37.08
1964-65	36.46	39.31	1078	37.28
1965-66	35.47	30.59	862	36.53
1966-67	35.25	30.44	864	37.95
1967-68	36.44	37.61	1032	38.56
1968-69	36.97	39.76	1075	38.42
1969-70	37.68	40.43	1073	38.23
1970-71	37.59	42.22	1123	38.36
1971-72	37.76	43.07	1141	37.21
1972-73	36.69	39.24	1070	39.08
1973-74	38.29	44.05	1150	38.38
1974-75	37.89	39.58	1045	38.81
1975-76	39.48	48.74	1235	38.66
1976-77	38.51	41.92	1089	38.39
1977-78	40.28	52.67	1308	40.21
1978-79	40.48	53.77	1328	41.64
1979-80	39.42	42.33	1074	42.83
1980-81	40.15	53.63	1336	40.67
1981-82	40.71	53.25	1308	41.53
1982-83	38.26	47.12	1232	41.96

(Contd.)

Table 4.6(a) (Contd.)

Year	Area	Production	Yield	Area Under Irrigation(%)
(1)	(2)	(3)	(4)	(5)
1983-84	41.24	60.10	1457	42.70
1984-85	41.16	58.34	1417	43.72
1985-86	41.14	63.83	1552	42.86
1986-87	41.17	60.56	1471	44.09
1987-88	38.81	56.86	1465	43.61
1988-89	41.73	70.49	1689	45.79
1989-90	42.17	73.57	1745	46.09
1990-91	42.69	74.29	1740	45.55
1991-92	42.65	74.68	1751	47.30
1992-93	41.78	72.86	1744	48.02
1993-94	42.54	80.30	1888	48.60
1994-95	42.81	81.81	1911	49.87
1995-96	42.84	76.98	1797	49.91
1996-97	43.43	81.73	1882	53.46
1997-98	43.45	82.54	1900	53.22
1998-99	44.80	86.08	1921	55.08
1999-00	45.16	89.68	1986	55.09
2000-01	44.71	84.98	1901	54.37
2001-02	44.90	93.34	2079	54.56
2002-03	41.18	71.82	1744	51.32
2003-04	42.59	88.53	2079	52.89
2004-05	41.91	83.13	1984	55.23
2005-06	43.66	91.79	2102	56.83
2006-07	43.81	93.36	2131	58.02
2007-08	43.91	96.69	2202	57.73
2008-09	45.54	99.18	2178	58.80
2009-10	41.92	89.09	2125	56.88
2010-11	42.86	95.98	2239	58.83
2011-12	44.01	105.30	2393	58.57
2012-13	42.75	105.23	2461	58.48
2013-14	44.14	106.65	2416	59.65
2014-15	44.11	105.48	2391	60.09
2015-16	43.50	104.41	2400	-
2016-17	43.99	109.70	2494	-
2017-18*	43.79	112.91	2578	-

Source: Directorate of Economics & Statistics, DAC&FW

*4th Advance Estimates.

Table 4.6 (b): Rice: Area, Production and Yield during 2016-17 and 2017-18 in major Producing States alongwith coverage under Irrigation

State	Area	2017-18*				2016-17				Area			
		% to All - India	Production	% to All - India	Yield	Area	% to All - India	Production	% to All- India	Yield	Under Irrigation (%) 2014-15*	Production - Million Tonnes	Yield - Kg./Hectare
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)		
West Bengal	5.12	11.68	14.97	13.26	2926	5.50	12.49	15.30	13.95	2784	46.9		
Punjab	3.07	7.00	13.38	11.85	4366	2.90	6.59	11.59	10.56	3998	99.7		
Uttar Pradesh	5.81	13.28	13.27	11.75	2283	5.99	13.62	13.75	12.54	2295	86.7		
Andhra Pradesh	2.16	4.92	8.18	7.24	3792	2.11	4.78	7.45	6.79	3540	97.1		
Bihar	3.28	7.50	7.91	7.01	2409	3.34	7.59	8.24	7.51	2467	65.0		
Tamil Nadu	1.86	4.24	7.28	6.45	3923	1.44	3.28	2.37	2.16	1642	94.4		
Odisha	3.70	8.45	6.53	5.78	1765	3.85	8.76	8.33	7.59	2160	33.3		
Telangana	1.97	4.49	6.25	5.54	3176	1.68	3.82	5.17	4.72	3075	98.1		
Assam	2.45	5.60	5.16	4.57	2107	2.47	5.61	4.73	4.31	1916	11.0		
Chhattisgarh	3.76	8.59	4.73	4.19	1256	3.83	8.71	8.05	7.34	2101	35.7		
Haryana	1.42	3.25	4.52	4.01	3181	1.39	3.15	4.45	4.06	3213	99.9		
Madhya Pradesh	2.04	4.65	4.12	3.65	2026	2.29	5.20	4.23	3.85	1847	34.2		
Others	7.16	16.36	16.61	14.71	@ 7.21	16.39	16.04	14.62	@	-	*		
All India	43.79	100.00	112.91	100.00	2578	43.99	100.00	109.70	100.00	2494	60.1		

Source: Directorate of Economics & Statistics, DAC&FW

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

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

* Provisional

Fourth Advance Estimates.

Table 4.7(a): Wheat: All-India Area, Production and Yield alongwith coverage under Irrigation

Year	Area	Production	Yield	Area Under Irrigation (%)
(1)	(2)	(3)	(4)	(5)
1950-51	9.75	6.46	663	33.99
1951-52	9.47	6.18	653	35.76
1952-53	9.83	7.50	763	37.15
1953-54	10.68	8.02	750	36.16
1954-55	11.26	9.04	803	35.00
1955-56	12.37	8.76	708	32.67
1956-57	13.52	9.40	695	29.37
1957-58	11.73	7.99	682	33.32
1958-59	12.62	9.96	789	31.83
1959-60	13.38	10.32	772	31.84
1960-61	12.93	11.00	851	32.74
1961-62	13.57	12.07	890	31.89
1962-63	13.59	10.78	793	33.80
1963-64	13.50	9.85	730	34.94
1964-65	13.42	12.26	913	36.76
1965-66	12.57	10.40	827	43.07
1966-67	12.84	11.39	887	47.97
1967-68	14.99	16.54	1103	43.35
1968-69	15.96	18.65	1169	49.85
1969-70	16.63	20.09	1208	51.14
1970-71	18.24	23.83	1307	54.25
1971-72	19.14	26.41	1380	54.49
1972-73	19.46	24.74	1271	57.62
1973-74	18.58	21.78	1172	57.70
1974-75	18.01	24.10	1338	61.77
1975-76	20.45	28.84	1410	61.76
1976-77	20.92	29.01	1387	65.09
1977-78	21.46	31.75	1480	64.60
1978-79	22.64	35.51	1568	65.96
1979-80	22.17	31.83	1436	68.32
1980-81	22.28	36.31	1630	69.98
1981-82	22.14	37.45	1691	70.68
1982-83	23.57	42.79	1816	72.53
1983-84	24.67	45.48	1843	73.00 (Contd.)

Table 4.7(a) (Contd.)

Year	Area	Production	Yield	Area Under Irrigation (%)
(1)	(2)	(3)	(4)	(5)
1984-85	23.56	44.07	1870	74.47
1985-86	23.00	47.05	2046	74.61
1986-87	23.13	44.32	1916	76.34
1987-88	23.06	46.17	2002	76.84
1988-89	24.11	54.11	2244	79.25
1989-90	23.50	49.85	2121	80.27
1990-91	24.17	55.14	2281	81.14
1991-92	23.26	55.69	2394	83.68
1992-93	24.59	57.21	2327	84.24
1993-94	25.15	59.84	2380	84.77
1994-95	25.70	65.77	2559	85.12
1995-96	25.01	62.10	2483	85.80
1996-97	25.89	69.35	2679	86.86
1997-98	26.70	66.35	2485	86.33
1998-99	27.52	71.29	2590	86.60
1999-00	27.49	76.37	2778	87.16
2000-01	25.73	69.68	2708	88.37
2001-02	26.34	72.77	2762	88.60
2002-03	25.20	65.76	2610	88.80
2003-04	26.59	72.16	2713	89.56
2004-05	26.38	68.64	2602	89.85
2005-06	26.48	69.35	2619	90.55
2006-07	27.99	75.81	2708	90.85
2007-08	28.04	78.57	2802	91.32
2008-09	27.75	80.68	2907	91.69
2009-10	28.46	80.80	2839	91.76
2010-11	29.07	86.87	2988	92.18
2011-12	29.86	94.88	3177	93.05
2012-13	30.00	93.51	3117	93.45
2013-14	30.47	95.85	3146	93.58
2014-15	31.47	86.53	2750	94.19
2015-16	30.42	92.29	3034	-
2016-17	30.79	98.51	3200	-
2017-18*	29.58	99.70	3371	-

Source: Directorate of Economics & Statistics, DAC&FW

*4th Advance Estimates.

Table 4.7 (b): Wheat: Area, Production and Yield during 2016-17 and 2017-18 in major Producing States alongwith coverage under Irrigation

State	Area	2017-18 [#]						2016-17						Area Under Irrigation (%) 2014-15*
		% to All - India	Production	% to All - India	Yield	Area	% to All - India	Production	% to All - India	Yield	(11)	(12)		
Uttar Pradesh	9.75	32.98	31.88	31.98	9.66	3269	9.66	31.36	30.06	30.51	3113	98.8		
Punjab	3.51	11.86	17.85	17.90	5090	3.50	11.35	16.44	16.69	4704	4704	99.1		
Madhya Pradesh	5.32	17.97	15.91	15.96	2993	6.03	19.58	17.94	18.21	2976	2976	93.4		
Haryana	2.53	8.55	11.16	11.20	4412	2.56	8.31	11.55	11.72	4514	4514	99.5		
Rajasthan	2.81	9.50	9.19	9.22	3270	2.83	9.19	8.99	9.12	3175	3175	99.6		
Bihar	2.04	6.89	5.74	5.76	2816	2.11	6.84	5.11	5.19	2427	2427	94.9		
Gujarat	1.06	3.58	3.10	3.11	2932	1.00	3.23	2.74	2.78	2751	2751	90.8		
Maharashtra	0.92	3.11	1.62	1.62	1761	1.27	4.13	1.88	1.90	1474	1474	73.9		
Uttarakhand	0.33	1.13	0.91	0.91	2727	0.34	1.11	0.88	0.90	2587	2587	59.5		
Himachal Pradesh	0.34	1.14	0.59	0.59	1734	0.35	1.13	0.70	0.71	2033	2033	21.8		
Others	0.97	3.29	1.75	1.76	@	1.16	3.76	2.23	2.27	@	@			
All India	29.58	100.00	99.70	100.00		3371	30.79	100.00	98.51	100.00	3200	94.2		

Source: Directorate of Economics & Statistics, DAC&FW

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

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

* Provisional

Fourth Advance Estimates.

Table 4.8(a): Nutri Cereals: All-India Area, Production and Yield alongwith coverage under Irrigation

Year (1)	Area (2)	Production (3)	Yield (4)	Area - Million Hectares
				Production - Million Tonnes
				Yield - Kg./Hectare
Year (1)	Area (2)	Production (3)	Yield (4)	Area Under Irrigation(%) (5)
(1)	(2)	(3)	(4)	(5)
1950-51	37.67	15.38	408	7.91
1951-52	38.88	16.09	414	8.66
1952-53	42.45	19.61	462	8.15
1953-54	45.37	22.97	506	7.80
1954-55	43.92	22.82	520	8.10
1955-56	43.45	19.49	449	7.97
1956-57	42.02	19.87	473	7.56
1957-58	42.91	21.23	495	7.96
1958-59	44.66	23.18	519	7.48
1959-60	43.79	22.87	522	7.53
1960-61	44.96	23.74	528	7.59
1961-62	44.73	23.22	519	7.09
1962-63	44.29	24.63	556	7.34
1963-64	43.93	23.72	540	7.27
1964-65	44.35	25.37	514	7.27
1965-66	44.34	21.42	483	8.09
1966-67	45.09	24.05	533	8.53
1967-68	47.34	28.80	608	7.99
1968-69	46.24	25.18	545	9.57
1969-70	47.24	27.29	578	9.05
1970-71	45.95	30.55	665	8.31
1971-72	43.57	24.60	564	8.35
1972-73	42.21	23.14	548	8.65
1973-74	46.24	28.83	623	8.28
1974-75	43.15	26.13	606	10.85
1975-76	43.80	30.41	694	9.91
1976-77	41.94	28.88	689	9.72
1977-78	42.28	30.02	710	8.89
1978-79	42.23	30.44	721	8.49
1979-80	41.36	26.97	652	9.92
1980-81	41.78	29.02	695	9.19
1981-82	42.45	31.09	733	8.99
1982-83	40.43	27.75	685	8.97

(Contd.)

Table 4.8(a) (Contd.)

Year	Area	Production	Yield	Area Under Irrigation(%)
(1)	(2)	(3)	(4)	(5)
1983-84	41.71	33.90	813	7.79
1984-85	39.21	31.17	795	8.14
1985-86	39.47	26.20	664	8.42
1986-87	39.74	26.83	675	9.12
1987-88	36.55	26.36	721	9.83
1988-89	38.68	31.47	814	9.23
1989-90	37.69	34.76	922	9.76
1990-91	36.32	32.70	900	9.03
1991-92	33.42	25.99	778	10.72
1992-93	34.42	36.59	1063	10.05
1993-94	32.82	30.82	939	10.45
1994-95	32.17	29.88	929	10.27
1995-96	30.88	29.03	940	11.00
1996-97	31.81	34.11	1072	10.36
1997-98	31.05	30.40	986	11.05
1998-99	29.34	31.34	1068	11.57
1999-00	29.34	30.33	1034	12.32
2000-01	30.26	31.08	1027	12.27
2001-02	29.52	33.38	1131	11.15
2002-03	26.99	26.07	966	12.65
2003-04	30.80	37.60	1221	10.83
2004-05	29.03	33.46	1153	12.48
2005-06	29.06	34.07	1172	13.37
2006-07	28.71	33.92	1182	13.66
2007-08	28.48	40.75	1431	14.78
2008-09	27.45	40.04	1459	15.28
2009-10	27.68	33.55	1212	14.56
2010-11	28.34	43.40	1531	14.44
2011-12	26.42	42.01	1590	15.71
2012-13	24.76	40.04	1617	16.63
2013-14	25.22	43.29	1717	17.24
2014-15	25.17	42.86	1703	17.35
2015-16	24.39	38.52	1579	-
2016-17	25.01	43.77	1750	-
2017-18*	24.21	46.99	1941	-

Source: Directorate of Economics & Statistics, DAC&FW

*4th Advance Estimates.

Table 4.8 (b): Nutri Cereals : Area, Production and Yield during 2016-17 and 2017-18 in major Producing States alongwith coverage under Irrigation

State	Area	2017-18*				2016-17				Area Under Irrigation (%) 2014-15*	
		% to All - India	Production	% to All - India	Yield	Area	% to All - India	Production	% to All - India		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Rajasthan	5.91	24.40	6.57	13.99	1113	5.94	23.75	6.73	15.39	1134	8.5
Karnataka	3.42	14.12	6.27	13.35	1836	3.18	12.71	5.28	12.06	1661	18.8
Maharashtra	4.16	17.18	6.09	12.96	1465	5.21	20.84	6.58	15.03	1262	9.1
Madhya Pradesh	2.21	9.13	5.30	11.29	2399	2.09	8.34	4.77	10.89	2285	6.0
Uttar Pradesh	1.99	8.23	3.89	8.29	1955	2.01	8.03	3.91	8.93	1947	28.8
Tamil Nadu	0.92	3.78	3.58	7.62	3911	0.72	2.87	1.35	3.07	1873	27.9
Andhra Pradesh	0.58	2.40	2.76	5.86	4750	0.45	1.81	1.98	4.53	4385	55.0
Telangana	0.71	2.93	2.65	5.64	3736	0.91	3.64	2.77	6.32	3039	33.9
Bihar	0.69	2.87	2.46	5.24	3534	0.75	2.98	2.72	6.21	3649	63.0
Gujarat	0.92	3.79	1.71	3.64	1864	1.03	4.11	1.94	4.43	1884	18.9
West Bengal	0.25	1.05	1.15	2.46	4547	0.18	0.71	0.72	1.65	4090	45.4
Haryana	0.52	2.16	0.83	1.77	1592	0.57	2.26	1.09	2.48	1924	49.4
Others	1.93	7.96	3.71	7.89	@	1.99	7.95	3.94	9.01	@	-
All India	24.21	100.00	46.99	100.00	1941	25.01	100.00	43.77	100.00	1750	17.4

Source: Directorate of Economics & Statistics, DAC&FW

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

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

* Provisional # Fourth Advance Estimates.

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

Year	Area	Production	Yield	Area Under Irrigation (%)
(1)	(2)	(3)	(4)	(5)
1950-51	15.57	5.50	353	2.98
1951-52	15.94	6.08	381	3.46
1952-53	17.54	7.36	420	3.06
1953-54	17.76	8.08	455	3.09
1954-55	17.46	9.20	527	3.29
1955-56	17.36	6.73	387	3.58
1956-57	16.24	7.33	451	3.40
1957-58	17.31	8.64	499	3.53
1958-59	17.96	9.03	503	3.46
1959-60	17.71	8.58	484	3.61
1960-61	18.41	9.81	533	3.55
1961-62	18.25	8.03	440	3.69
1962-63	18.41	9.75	529	3.71
1963-64	18.38	9.20	501	3.92
1964-65	18.06	9.68	536	3.77
1965-66	17.68	7.58	429	4.05
1966-67	18.05	9.22	511	3.95
1967-68	18.42	10.05	545	3.94
1968-69	18.73	9.80	523	4.45
1969-70	18.61	9.72	522	4.06
1970-71	17.37	8.11	466	3.64
1971-72	16.78	7.72	460	4.44
1972-73	15.51	6.97	449	3.26
1973-74	16.72	9.10	544	3.97
1974-75	16.19	10.41	643	4.61
1975-76	16.09	9.50	591	4.89
1976-77	15.77	10.52	667	5.06
1977-78	16.32	12.06	739	4.89
1978-79	16.15	11.44	708	4.80
1979-80	16.67	11.65	699	4.89
1980-81	15.81	10.43	660	4.68
1981-82	16.60	12.06	727	4.63

(Contd.)

Table 4.9(a) (*Contd.*)

Year	Area	Production	Yield	Area Under Irrigation (%)
(1)	(2)	(3)	(4)	(5)
1982-83	16.38	10.75	657	4.27
1983-84	16.43	11.92	725	4.14
1984-85	15.94	11.40	715	4.35
1985-86	16.10	10.20	633	4.50
1986-87	15.95	9.19	576	4.94
1987-88	16.00	12.20	762	4.93
1988-89	14.60	10.17	697	5.75
1989-90	14.84	12.90	869	6.30
1990-91	14.36	11.68	814	5.62
1991-92	12.36	8.10	655	6.51
1992-93	13.04	12.81	982	6.13
1993-94	12.71	11.41	895	6.17
1994-95	11.51	8.97	779	6.62
1995-96	11.33	9.33	823	6.80
1996-97	11.43	10.94	957	6.95
1997-98	10.80	7.53	697	7.37
1998-99	9.79	8.42	859	8.08
1999-00	10.25	8.68	847	8.27
2000-01	9.86	7.53	764	8.33
2001-02	9.80	7.56	771	7.40
2002-03	9.30	7.01	754	7.85
2003-04	9.33	6.68	716	7.59
2004-05	9.09	7.24	797	8.77
2005-06	8.67	7.63	880	8.48
2006-07	8.47	7.15	844	8.32
2007-08	7.76	7.93	1021	8.91
2008-09	7.53	7.25	962	9.25
2009-10	7.79	6.70	860	8.79
2010-11	7.38	7.00	949	8.70
2011-12	6.25	5.98	957	9.68
2012-13	6.21	5.28	850	9.65
2013-14	5.79	5.54	956	9.58
2014-15	6.16	5.45	884	9.90
2015-16	6.08	4.24	697	-
2016-17	5.62	4.57	812	-
2017-18*	4.96	4.95	998	-

Source: Directorate of Economics & Statistics, DAC&FW

*4th Advance Estimates.

Table 4.9 (b): Jowar: Area, Production and Yield during 2016-17 and 2017-18 in major Producing States alongwith coverage under Irrigation

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	(11)	(12)	
Maharashtra	2.17	43.69	1.81	36.45	833	3.05	54.24	2.17	47.51	711	9.5		
Karnataka	1.09	21.93	1.13	22.87	1040	0.95	16.86	0.85	18.52	892	10.4		
Madhya Pradesh	0.27	5.44	0.57	11.51	2112	0.22	3.91	0.38	8.29	1721	0.8		
Tamil Nadu	0.39	7.78	0.42	8.49	1089	0.27	4.77	0.15	3.37	573	13.8		
Andhra Pradesh	0.14	2.82	0.30	6.08	2150	0.10	1.72	0.20	4.33	2041	30.4		
Rajasthan	0.52	10.39	0.30	6.07	583	0.58	10.30	0.35	7.65	603	0.1		
Uttar Pradesh	0.17	3.40	0.22	4.34	1272	0.18	3.25	0.18	4.01	1000	3.5		
Gujarat	0.09	1.85	0.09	1.90	1022	0.11	1.88	0.15	3.28	1415	19.8		
Others	0.13	2.68	0.11	2.29	@	0.17	3.06	0.14	3.03	@			
All India	4.96	100.00	4.95	100.00	998	5.62	100.00	4.57	100.00	812	9.9		

Source: Directorate of Economics & Statistics, DAC&FW

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

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

* Provisional # Fourth Advance Estimates.

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

Year (1)	Area (2)	Production (3)	Yield (4)	Area - Million Hectares
				Production - Million Tonnes
				Yield - Kg./Hectare
Year (1)	Area (2)	Production (3)	Yield (4)	Area Under Irrigation (%) (5)
(1)	(2)	(3)	(4)	(5)
1950-51	9.02	2.60	288	3.45
1951-52	9.52	2.35	246	3.82
1952-53	10.77	3.19	296	3.33
1953-54	12.20	4.55	373	3.11
1954-55	11.37	3.52	310	3.64
1955-56	11.34	3.43	302	3.60
1956-57	11.25	2.87	255	3.06
1957-58	11.17	3.62	324	2.94
1958-59	11.43	3.87	338	3.02
1959-60	10.70	3.49	327	2.76
1960-61	11.47	3.28	286	2.79
1961-62	11.28	3.65	323	2.59
1962-63	10.96	3.96	361	2.68
1963-64	11.10	3.88	349	2.29
1964-65	11.83	4.52	382	2.32
1965-66	11.97	3.75	314	2.76
1966-67	12.24	4.47	365	3.12
1967-68	12.81	5.19	405	2.97
1968-69	12.05	3.80	315	4.09
1969-70	12.49	5.33	426	4.20
1970-71	12.91	8.03	622	3.98
1971-72	11.77	5.32	452	3.65
1972-73	11.82	3.93	333	4.55
1973-74	13.93	7.52	540	4.19
1974-75	11.29	3.27	290	5.54
1975-76	11.57	5.74	496	5.08
1976-77	10.75	5.85	544	4.89
1977-78	11.10	4.73	426	4.43
1978-79	11.39	5.57	489	4.37
1979-80	10.58	3.95	373	5.97
1980-81	11.66	5.34	458	5.53
1981-82	11.78	5.54	470	5.95
1982-83	10.94	5.13	469	5.96

(Contd.)

Table 4.10(a) (Contd.)

Year	Area	Production	Yield	Area Under Irrigation (%)
(1)	(2)	(3)	(4)	(5)
1983-84	11.83	7.72	653	4.84
1984-85	10.62	6.05	569	5.15
1985-86	10.65	3.66	344	5.10
1986-87	11.27	4.51	401	5.98
1987-88	8.71	3.30	378	8.37
1988-89	12.04	7.78	646	5.26
1989-90	10.90	6.65	610	6.28
1990-91	10.48	6.89	658	5.10
1991-92	10.03	4.67	465	6.50
1992-93	10.62	8.88	836	5.80
1993-94	9.55	4.97	521	6.58
1994-95	10.22	7.16	700	5.50
1995-96	9.32	5.38	577	6.23
1996-97	9.98	7.87	788	5.44
1997-98	9.89	7.64	773	5.97
1998-99	9.30	6.96	748	6.94
1999-00	8.90	5.78	650	8.11
2000-01	9.83	6.76	688	7.81
2001-02	9.53	8.28	869	6.60
2002-03	7.74	4.72	610	9.62
2003-04	10.61	12.11	1141	6.30
2004-05	9.23	7.93	859	8.16
2005-06	9.58	7.68	802	9.13
2006-07	9.51	8.42	886	9.56
2007-08	9.57	9.97	1042	10.25
2008-09	8.75	8.89	1015	9.28
2009-10	8.90	6.51	731	9.18
2010-11	9.61	10.37	1079	8.02
2011-12	8.78	10.28	1171	8.12
2012-13	7.30	8.74	1198	9.12
2013-14	7.81	9.25	1184	9.05
2014-15	7.32	9.18	1255	9.52
2015-16	7.13	8.07	1132	-
2016-17	7.46	9.73	1305	-
2017-18*	7.38	9.13	1237	-

Source: Directorate of Economics & Statistics, DAC&FW

*4th Advance Estimates.

Table 4.10 (b); Bajra: Area, Production and Yield during 2016-17 and 2017-18 in major Producing States alongwith coverage under irrigation

State	2017-18 [#]						2016-17						Area Under Irrigation (%) 2014-15*	Area - Million Hectares Production - Million Tonnes Yield - Kg./ Hectare
	Area	% to All - India	Production	% to All - India	Yield	Area	% to All - India	Production	% to All - India	Yield	(10)	(11)		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)			
Rajasthan	4.24	57.38	3.75	41.09	886	4.15	55.65	4.16	42.75	1001	3.7			
Uttar Pradesh	0.93	12.53	1.80	19.66	1941	0.91	12.16	1.74	17.84	1914	12.4			
Gujarat	0.40	5.38	0.92	10.05	2312	0.43	5.78	0.93	9.57	2160	22.3			
Madhya Pradesh	0.31	4.20	0.76	8.27	2435	0.28	3.75	0.68	7.00	2431	0.1			
Haryana	0.45	6.10	0.72	7.90	1602	0.48	6.41	0.96	9.91	2017	41.6			
Maharashtra	0.68	9.21	0.61	6.72	903	0.84	11.22	0.80	8.22	955	5.0			
Karnataka	0.23	3.14	0.29	3.15	1241	0.24	3.24	0.26	2.62	1054	11.2			
Others	0.15	2.06	0.29	3.16	@	0.13	1.78	0.20	2.09	@	-			
All India	7.38	100.00	9.13	100.00	1237	7.46	100.00	9.73	100.00	1305	9.5			

Source: Directorate of Economics & Statistics, DAC&FW

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

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

Fourth Advance Estimates.

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

Year (1)	Area (2)	Production (3)	Yield (4)	Area - Million Hectares
				Production - Million Tonnes
				Yield - Kg./Hectare
Year	Area	Production	Yield	Area Under Irrigation (%)
(1)	(2)	(3)	(4)	(5)
1950-51	3.16	1.73	547	11.35
1951-52	3.31	2.08	627	16.42
1952-53	3.61	2.87	796	14.03
1953-54	3.87	3.04	785	11.50
1954-55	3.75	2.98	794	14.59
1955-56	3.70	2.60	704	11.76
1956-57	3.76	3.08	819	13.12
1957-58	4.08	3.15	772	13.39
1958-59	4.27	3.46	812	10.47
1959-60	4.34	4.07	938	9.94
1960-61	4.41	4.08	926	12.63
1961-62	4.51	4.31	957	9.46
1962-63	4.64	4.61	992	11.45
1963-64	4.58	4.56	995	11.40
1964-65	4.62	4.66	1010	12.09
1965-66	4.80	4.82	1005	16.12
1966-67	5.07	4.89	964	15.65
1967-68	5.58	6.27	1123	11.89
1968-69	5.72	5.70	997	19.53
1969-70	5.86	5.67	968	18.23
1970-71	5.85	7.49	1279	15.86
1971-72	5.67	5.10	900	14.32
1972-73	5.84	6.39	1094	18.77
1973-74	6.02	5.80	965	14.66
1974-75	5.86	5.56	948	20.98
1975-76	6.03	7.26	1203	16.15
1976-77	6.00	6.36	1060	17.66
1977-78	5.68	5.97	1051	16.32
1978-79	5.76	6.20	1076	16.34
1979-80	5.72	5.60	979	23.98
1980-81	6.01	6.96	1159	20.14
1981-82	5.94	6.90	1162	19.78
1982-83	5.72	6.55	1145	21.66

(Contd.)

Table 4.11(a) (Contd.)

Year	Area	Production	Yield	Area Under Irrigation (%)
(1)	(2)	(3)	(4)	(5)
1983-84	5.86	7.92	1352	16.94
1984-85	5.80	8.44	1456	17.52
1985-86	5.80	6.64	1146	18.72
1986-87	5.92	7.59	1282	21.19
1987-88	5.56	5.72	1029	21.22
1988-89	5.90	8.23	1395	20.95
1989-90	5.92	9.65	1632	20.75
1990-91	5.90	8.96	1518	19.72
1991-92	5.86	8.06	1376	22.47
1992-93	5.96	9.99	1676	21.46
1993-94	6.00	9.60	1602	22.44
1994-95	6.14	8.88	1570	20.59
1995-96	5.98	9.53	1595	22.63
1996-97	6.26	10.77	1720	21.15
1997-98	6.32	10.82	1711	20.82
1998-99	6.20	11.15	1797	21.65
1999-00	6.42	11.51	1792	22.31
2000-01	6.61	12.04	1822	21.79
2001-02	6.58	13.16	2000	20.54
2002-03	6.64	11.15	1681	20.07
2003-04	7.34	14.98	2041	19.28
2004-05	7.43	14.17	1907	21.06
2005-06	7.59	14.71	1938	22.67
2006-07	7.89	15.10	1912	22.25
2007-08	8.12	18.96	2335	24.31
2008-09	8.17	19.73	2414	25.06
2009-10	8.26	16.72	2024	24.21
2010-11	8.55	21.73	2542	24.54
2011-12	8.78	21.76	2478	25.67
2012-13	8.67	22.26	2566	25.89
2013-14	9.07	24.26	2676	27.15
2014-15	9.19	24.17	2632	26.63
2015-16	8.81	22.57	2563	-
2016-17	9.63	25.90	2689	-
2017-18*	9.47	28.72	3032	-

Source: Directorate of Economics & Statistics, DAC&FW

*4th Advance Estimates.

Table 4.11 (D): Maize: Area, Production and Yield during 2016-17 and 2017-18 in major Producing States alongwith coverage under Irrigation

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	(11)	(12)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)		
Karnataka	1.29	13.60	3.55	12.36	2755	1.37	14.22	3.31	12.80	2419	34.4		
Maharashtra	1.16	12.21	3.54	12.33	3062	1.15	11.91	3.45	13.33	3009	12.7		
Madhya Pradesh	1.35	14.28	3.54	12.32	2615	1.28	13.33	3.34	12.90	2602	3.5		
Tamil Nadu	0.34	3.60	2.64	9.20	7744	0.32	3.27	0.95	3.68	3026	48.8		
Telangana	0.63	6.67	2.57	8.94	4061	0.80	8.33	2.66	10.28	3321	35.2		
Bihar	0.67	7.06	2.42	8.44	3623	0.72	7.48	2.69	10.39	3732	64.3		
Andhra Pradesh	0.34	3.55	2.30	8.02	6851	0.25	2.60	1.65	6.38	6612	76.2		
Rajasthan	0.87	9.18	1.64	5.71	1884	0.92	9.54	1.38	5.33	1501	2.0		
Uttar Pradesh	0.75	7.87	1.48	5.14	1981	0.74	7.67	1.53	5.89	2064	45.3		
West Bengal	0.24	2.49	1.13	3.95	4805	0.16	1.68	0.71	2.74	4367	43.4		
Others	1.85	19.48	3.91	13.60	@	1.92	19.98	4.22	16.29	@	-		
All India	9.47	100.00	28.72	100.00	3032	9.63	100.00	25.90	100.00	2689	26.6		

Source: Directorate of Economics & Statistics, DAC&FW

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

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

* Provisional

Fourth Advance Estimates.

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

Year	Area	Production	Yield	Area Under Irrigation (%)
(1)	(2)	(3)	(4)	(5)
1950-51	19.09	8.41	441	9.43
1951- 52	18.78	8.42	448	9.68
1952-53	19.84	9.19	463	9.76
1953-54	21.73	10.62	489	9.24
1954-55	21.91	10.95	500	8.80
1955-56	23.22	11.04	476	8.40
1956-57	23.32	11.55	495	7.30
1957-58	22.54	9.56	424	9.13
1958-59	24.31	13.15	541	8.44
1959-60	24.83	11.80	475	8.47
1960-61	23.56	12.70	539	8.02
1961-62	24.24	11.76	485	8.08
1962-63	24.27	11.53	475	8.91
1963-64	24.18	10.07	416	8.86
1964-65	23.88	12.42	520	9.15
1965-66	22.72	9.94	438	9.41
1966-67	22.12	8.35	377	10.86
1967-68	22.65	12.10	534	8.70
1968-69	21.26	10.42	490	9.77
1969-70	22.02	11.69	531	9.38
1970-71	22.54	11.82	524	8.75
1971-72	22.15	11.09	501	8.75
1972-73	20.92	9.91	474	8.15
1973-74	23.43	10.01	427	7.89
1974-75	22.03	10.02	455	8.11
1975-76	24.45	13.04	533	7.86
1976-77	22.98	11.36	494	7.50
1977-78	23.50	11.97	510	7.14
1978-79	23.66	12.18	515	7.90
1979-80	22.26	8.57	385	8.76
1980-81	22.46	10.63	473	8.95
1981-82	23.84	11.51	483	8.50
1982-83	22.83	11.86	519	8.19

(Contd.)

Table 4.12(a) (Contd.)

Year	Area	Production	Yield	Area Under Irrigation (%)
(1)	(2)	(3)	(4)	(5)
1983-84	23.54	12.89	548	7.47
1984-85	22.74	11.96	526	7.86
1985-86	24.42	13.36	547	8.53
1986-87	23.16	11.71	506	9.63
1987-88	21.27	10.96	515	9.41
1988-89	23.15	13.85	598	9.34
1989-90	23.41	12.86	549	9.99
1990-91	24.66	14.26	578	10.48
1991-92	22.54	12.02	533	10.69
1992-93	22.36	12.82	573	10.46
1993-94	22.25	13.30	598	11.30
1994-95	23.03	14.04	610	12.72
1995-96	22.28	12.31	552	12.90
1996-97	22.45	14.15	630	12.80
1997-98	22.87	12.97	567	11.23
1998-99	23.50	14.91	634	12.11
1999-00	21.12	13.42	635	12.98
2000-01	20.35	11.08	544	12.64
2001-02	22.01	13.37	607	13.32
2002-03	20.50	11.13	543	13.97
2003-04	23.46	14.91	635	13.65
2004-05	22.76	13.13	577	14.04
2005-06	22.39	13.38	598	14.55
2006-07	23.19	14.20	612	15.45
2007-08	23.63	14.76	625	15.89
2008-09	22.09	14.57	659	16.47
2009-10	23.28	14.66	630	16.21
2010-11	26.40	18.24	691	14.92
2011-12	24.46	17.09	699	16.13
2012-13	23.26	18.34	789	18.51
2013-14	25.21	19.25	764	19.72
2014-15	23.55	17.15	728	19.87
2015-16	24.91	16.32	655	-
2016-17	29.45	23.13	786	-
2017-18*	29.99	25.23	841	-

Source: Directorate of Economics & Statistics, DAC&FW

*4th Advance Estimates.

Table 4.12 (b): Total Pulses: Area, Production and Yield during 2016-17 and 2017-18 in major Producing States alongwith coverage under Irrigation

State	Area	2017-18*				2016-17				Area Under Irrigation (%) 2014-15*		
		% to All - India	Production	% to All - India	Yield	Area	% to All - India	Production	% to All - India	Yield	(11)	(12)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	
Madhya Pradesh	7.48	24.94	8.11	32.14	1084	6.66	22.63	6.29	27.20	944	42.8	
Rajasthan	5.33	17.77	3.39	13.42	635	5.27	17.90	3.18	13.75	604	20.7	
Maharashtra	4.35	14.51	3.30	13.09	759	4.36	14.80	3.77	16.29	865	10.9	
Uttar Pradesh	2.27	7.56	2.21	8.75	974	2.51	8.52	2.18	9.44	871	27.4	
Karnataka	3.02	10.07	1.86	7.35	614	2.97	10.08	1.74	7.51	586	8.6	
Andhra Pradesh	1.41	4.69	1.22	4.85	870	1.41	4.80	0.93	4.03	659	2.0	
Gujarat	0.91	3.03	0.93	3.67	1018	0.94	3.20	0.82	3.54	868	13.1	
Jharkhand	0.79	2.64	0.85	3.35	1065	0.80	2.73	0.81	3.49	1002	3.9	
Tamil Nadu	0.87	2.88	0.55	2.18	635	0.79	2.67	0.43	1.85	544	10.9	
Chhattisgarh	0.78	2.61	0.54	2.15	693	0.88	3.00	0.76	3.28	858	15.0	
Telangana	0.57	1.91	0.51	2.01	885	0.70	2.38	0.54	2.32	771	5.1	
West Bengal	0.46	1.53	0.44	1.76	969	0.27	0.91	0.26	1.12	968	15.0	
Others	1.75	5.85	1.33	5.28	@	1.88	6.38	1.43	6.19	@	-	
All India	29.99	100.00	25.23	100.00	841	29.45	100.00	23.13	100.00	786	19.9	

Source: Directorate of Economics & Statistics, DAC&FW

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

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

Provisional

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

Year	Area	Production	Yield	Area Under Irrigation (%)
(1)	(2)	(3)	(4)	(5)
1950-51	7.57	3.65	482	12.48
1951-52	6.83	3.39	496	15.12
1952-53	7.26	4.21	580	14.60
1953-54	7.97	4.83	606	14.02
1954-55	9.25	5.62	608	12.76
1955-56	9.78	5.42	554	12.10
1956-57	9.67	6.23	644	10.84
1957-58	9.09	4.89	538	12.46
1958-59	10.08	7.02	697	12.02
1959-60	10.33	5.62	544	12.35
1960-61	9.28	6.25	674	11.94
1961-62	9.57	5.79	605	12.22
1962-63	9.19	5.36	583	13.72
1963-64	9.35	4.50	481	13.65
1964-65	8.87	5.78	651	15.84
1965-66	8.02	4.22	527	16.35
1966-67	8.00	3.62	453	18.78
1967-68	8.26	5.97	723	15.58
1968-69	7.11	4.31	607	18.83
1969-70	7.75	5.55	715	17.32
1970-71	7.84	5.20	663	15.63
1971-72	7.91	5.08	642	14.99
1972-73	6.97	4.54	651	15.65
1973-74	7.76	4.10	528	15.78
1974-75	7.04	4.02	570	17.55
1975-76	8.32	5.88	707	16.54
1976-77	7.97	5.42	680	15.20
1977-78	7.97	5.41	678	14.71
1978-79	7.71	5.74	745	15.63
1979-80	6.99	3.36	481	18.61
1980-81	6.58	4.33	657	20.57
1981-82	7.87	4.64	590	17.87
1982-83	7.40	5.29	715	15.63

(Contd.)

Table 4.13(a) (Contd.)

Year	Area	Production	Yield	Area Under Irrigation (%)
(1)	(2)	(3)	(4)	(5)
1983-84	7.16	4.75	663	14.54
1984-85	6.91	4.56	661	14.85
1985-86	7.80	5.79	742	15.63
1986-87	6.98	4.53	649	19.43
1987-88	5.77	3.63	629	19.23
1988-89	6.81	5.13	753	18.28
1989-90	6.47	4.22	652	20.97
1990-91	7.52	5.36	712	20.50
1991-92	5.58	4.12	739	24.23
1992-93	6.45	4.42	684	21.98
1993-94	6.36	4.98	783	24.03
1994-95	7.54	6.44	853	25.39
1995-96	7.12	4.98	700	26.01
1996-97	6.85	5.57	813	25.70
1997-98	7.56	6.13	811	21.98
1998-99	8.47	6.80	803	21.24
1999-00	6.15	5.12	833	27.66
2000-01	5.19	3.86	744	30.66
2001-02	6.42	5.47	853	30.71
2002-03	5.91	4.24	717	32.24
2003-04	7.05	5.72	811	30.44
2004-05	6.71	5.47	815	31.12
2005-06	6.93	5.60	808	31.42
2006-07	7.49	6.33	845	31.22
2007-08	7.54	5.75	762	34.21
2008-09	7.89	7.06	895	33.67
2009-10	8.17	7.48	915	32.40
2010-11	9.19	8.22	894	29.69
2011-12	8.30	7.70	928	33.54
2012-13	8.52	8.83	1036	36.46
2013-14	9.93	9.53	960	35.18
2014-15	8.25	7.33	889	38.60
2015-16	8.40	7.06	840	-
2016-17	9.63	9.38	974	-
2017-18*	10.56	11.23	1063	-

Source: Directorate of Economics & Statistics, DAC&FW

* 4th Advance Estimates.

Table 4.13 (b): Gram: Area, Production and Yield during 2016-17 and 2017-18 in major Producing States alongwith coverage under Irrigation

State	Area	2017-18 [#]				2016-17				Area Under Irrigation (%) 2014-15*	
		% to All - India	Production	% to All - India	Yield	Area	% to All - India	Production	% to All - India		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Madhya Pradesh	3.59	33.99	4.60	40.92	1280	3.22	33.47	3.54	37.79	1100	63.3
Maharashtra	2.00	18.94	1.78	15.89	892	1.93	20.04	1.72	18.33	891	24.3
Rajasthan	1.57	14.89	1.67	14.87	1062	1.55	16.08	1.41	15.03	911	47.7
Karnataka	1.27	11.98	0.72	6.42	570	1.00	10.42	0.59	6.31	590	14.8
Andhra Pradesh	0.52	4.92	0.59	5.21	1125	0.40	4.12	0.38	4.06	960	1.0
Uttar Pradesh	0.50	4.74	0.58	5.16	1156	0.56	5.84	0.63	6.68	1114	19.7
Gujarat	0.29	2.77	0.37	3.27	1253	0.16	1.70	0.18	1.95	1116	43.8
Chattisgarh	0.32	3.01	0.32	2.82	995	0.31	3.19	0.36	3.84	1171	41.2
Jharkhand	0.23	2.20	0.29	2.61	1258	0.21	2.19	0.25	2.64	1174	4.7
Others	0.27	2.54	0.32	2.84	@	0.28	2.94	0.32	3.37	@	-
All India	10.56	100.00	11.23	100.00	1063	9.63	100.00	9.38	100.00	974	38.6

Source: Directorate of Economics & Statistics, DA&FW

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

Note: States have been arranged in descending order of percentage share of production during 2017-18.
* Provisional
Fourth Advance Estimates.

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

Year	Area	Production	Yield	Area Under Irrigation (%)
(1)	(2)	(3)	(4)	(5)
1950-51	2.18	1.72	788	0.49
1951-52	2.45	1.83	748	0.52
1952-53	2.40	1.70	709	0.64
1953-54	2.40	1.86	775	0.61
1954-55	2.40	1.72	715	0.53
1955-56	2.29	1.86	814	0.43
1956-57	2.29	1.99	867	0.34
1957-58	2.36	1.48	625	0.51
1958-59	2.47	1.70	688	0.53
1959-60	2.43	1.70	700	0.53
1960-61	2.43	2.07	849	0.49
1961-62	2.45	1.37	559	0.49
1962-63	2.45	1.58	645	0.41
1963-64	2.52	1.38	549	0.40
1964-65	2.58	1.89	733	0.55
1965-66	2.56	1.73	678	0.39
1966-67	2.52	1.13	448	0.69
1967-68	2.67	1.74	653	0.45
1968-69	2.53	1.82	718	0.54
1969-70	2.67	1.84	690	0.34
1970-71	2.66	1.88	709	0.27
1971-72	2.35	1.68	718	0.30
1972-73	2.42	1.93	795	0.37
1973-74	2.65	1.41	532	0.38
1974-75	2.53	1.83	725	0.47
1975-76	2.67	2.10	786	0.44
1976-77	2.57	1.73	672	0.47
1977-78	2.63	1.93	735	0.49
1978-79	2.64	1.89	716	0.78
1979-80	2.73	1.76	643	1.84
1980-81	2.84	1.96	689	2.57
1981-82	3.00	2.24	745	2.07
1982-83	2.93	1.99	680	2.37
1983-84	3.22	2.58	801	3.03
1984-85	3.16	2.58	819	3.93
1985-86	3.18	2.44	767	4.25

(Contd.)

Table 4.14(a) (Contd.)

Year (1)	Area (2)	Production (3)	Yield (4)	Area Under Irrigation (%) (5)
1986-87	3.15	2.27	722	4.24
1987-88	3.33	2.28	685	4.90
1988-89	3.49	2.72	779	4.72
1989-90	3.60	2.75	763	5.06
1990-91	3.59	2.41	673	5.50
1991-92	3.63	2.13	588	5.17
1992-93	3.58	2.33	652	4.89
1993-94	3.53	2.69	762	5.07
1994-95	3.31	2.14	644	5.51
1995-96	3.45	2.31	670	5.24
1996-97	3.51	2.66	756	5.67
1997-98	3.36	1.85	551	5.56
1998-99	3.44	2.71	787	4.31
1999-00	3.43	2.69	786	4.29
2000-01	3.63	2.25	618	4.35
2001-02	3.33	2.26	679	4.86
2002-03	3.36	2.19	651	4.80
2003-04	3.52	2.36	670	4.39
2004-05	3.52	2.35	667	4.47
2005-06	3.58	2.74	765	3.95
2006-07	3.56	2.31	650	4.56
2007-08	3.73	3.08	826	4.31
2008-09	3.38	2.27	671	4.65
2009-10	3.47	2.46	711	4.53
2010-11	4.37	2.86	654	4.02
2011-12	4.01	2.65	661	3.79
2012-13	3.89	3.02	776	3.93
2013-14	3.90	3.17	813	4.27
2014-15	3.85	2.81	729	4.01
2015-16	3.96	2.56	646	-
2016-17	5.34	4.87	913	-
2017-18*	4.43	4.25	960	-

Source: Directorate of Economics & Statistics, DAC&FW

* 4th Advance Estimates.

Table 4.14 (b): Tur (Arhar): Area, Production and Yield during 2016-17 and 2017-18 in major Producing States alongwith coverage under Irrigation

State	Area	2017-18 [#]				2016-17				Area Under Irrigation (%) 2014-15*	
		% to All - India	Production	% to All - India	Yield	Area	% to All - India	Production	% to All - India		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Maharashtra	1.23	27.73	1.07	25.21	873	1.44	26.89	1.50	30.69	1042	1.6
Madhya Pradesh	0.65	14.60	0.84	19.72	1297	0.69	12.93	0.78	16.04	1133	1.4
Karnataka	0.89	19.97	0.77	18.06	868	1.21	22.74	0.91	18.65	749	5.5
Gujarat	0.27	6.12	0.34	7.92	1244	0.35	6.50	0.40	8.23	1156	7.5
Uttar Pradesh	0.28	6.36	0.33	7.80	1177	0.34	6.33	0.36	7.45	1074	12.4
Telangana	0.33	7.45	0.26	6.18	797	0.39	7.23	0.26	5.36	676	0.3
Jharkhand	0.19	4.37	0.22	5.22	1147	0.24	4.41	0.24	4.84	1002	0.1
Odisha	0.14	3.11	0.12	2.91	897	0.14	2.54	0.12	2.46	884	-
Andhra Pradesh	0.28	6.30	0.12	2.80	427	0.35	6.56	0.13	2.73	380	1.1
Tamil Nadu	0.05	1.19	0.06	1.44	1162	0.06	1.06	0.04	0.76	655	13.6
Others	0.12	2.79	0.12	2.74	@	0.15	2.81	0.14	2.80	@	-
All-India	4.43	100.00	4.25	100.00	960	5.34	100.00	4.87	100.00	913	4.0

Source: Directorate of Economics & Statistics, DAC&FW

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

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

* Provisional

Fourth Advance Estimates.

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

Year	Area	Production	Yield
(1)	(2)	(3)	(4)
1970-71	0.75	0.37	497
1971-72	0.63	0.30	481
1972-73	0.83	0.37	447
1973-74	0.93	0.41	440
1974-75	0.95	0.46	480
1975-76	0.94	0.46	492
1976-77	0.85	0.39	461
1977-78	0.88	0.38	436
1978-79	1.01	0.45	443
1979-80	0.85	0.32	377
1980-81	0.93	0.47	498
1981-82	0.95	0.50	525
1982-83	1.00	0.49	491
1983-84	0.94	0.53	566
1984-85	0.98	0.55	557
1985-86	1.09	0.66	607
1986-87	1.09	0.66	607
1987-88	1.04	0.66	635
1988-89	1.08	0.73	679
1989-90	1.11	0.71	635
1990-91	1.19	0.85	717
1991-92	1.19	0.80	674
1992-93	1.20	0.79	657
1993-94	1.18	0.75	632
1994-95	1.16	0.78	678
1995-96	1.26	0.71	569
1996-97	1.37	0.96	702

(Contd.)

Table 4.15(a) (*Contd.*)

Year (1)	Area (2)	Production (3)	Yield (4)
1997-98	1.29	0.80	623
1998-99	1.39	0.94	675
1999-00	1.46	1.08	738
2000-01	1.48	0.92	619
2001-02	1.47	0.97	664
2002-03	1.38	0.87	634
2003-04	1.40	1.04	743
2004-05	1.47	0.99	675
2005-06	1.51	0.95	629
2006-07	1.47	0.91	621
2007-08	1.31	0.81	622
2008-09	1.38	0.95	693
2009-10	1.48	1.03	697
2010-11	1.60	0.94	591
2011-12	1.56	1.06	678
2012-13	1.42	1.13	797
2013-14	1.34	1.02	761
2014-15	1.47	1.04	705
2015-16	1.28	0.98	765
2016-17	1.46	1.22	838
2017-18*	1.55	1.61	1034

Source: Directorate of Economics & Statistics, DAC&FW

* 4th Advance Estimates.

Table 4.15 (b): Lentil (Masur): Area, Production and Yield during 2016-17 and 2017-18 in major Producing States

State	2017-18*						2016-17					
	Area	% to All - India	Production	% to All - India	Yield	Area	% to All - India	Production	% to All - India	Yield	(11)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)		
Madhya Pradesh	0.60	38.34	0.68	42.26	1139	0.53	36.19	0.45	36.54	846		
Uttar Pradesh	0.48	31.14	0.50	31.00	1029	0.49	33.47	0.37	30.42	761		
West Bengal	0.16	10.17	0.15	9.64	980	0.08	5.68	0.08	6.62	976		
Bihar	0.15	9.64	0.14	8.64	926	0.15	10.00	0.15	12.00	1005		
Jharkhand	0.07	4.50	0.06	3.73	868	0.06	4.11	0.05	4.09	864		
Rajasthan	0.03	2.02	0.03	2.11	1080	0.08	5.18	0.08	6.20	1003		
Assam	0.03	1.74	0.02	1.24	741	0.02	1.63	0.02	1.28	658		
Others	0.04	2.45	0.02	1.37	@	0.05	3.75	0.03	2.86	@		
All-India	1.55	100.00	1.61	100.00	1034	1.46	100.00	1.22	100.00	838		

Source: Directorate of Economics & Statistics, DAC&FW

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

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

* Provisional # Fourth Advance Estimates.

Table 4.16(a): Nine Oilseeds: All-India Area, Production and Yield alongwith coverage under Irrigation

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

(Contd.)

Table 4.16(a) (Contd.)

Year	Area	Production	Yield	Area Under Irrigation (%)
(1)	(2)	(3)	(4)	(5)
1984-85	18.92	12.95	684	19.6
1985-86	19.02	10.83	570	17.3
1986-87	18.63	11.27	605	17.9
1987-88	20.13	12.65	629	20.6
1988-89	21.90	18.03	824	22.3
1989-90	22.80	16.92	742	22.1
1990-91	24.15	18.61	771	22.9
1991-92	25.89	18.60	719	25.5
1992-93	25.24	20.11	797	24.1
1993-94	26.90	21.50	799	22.8
1994-95	25.30	21.34	843	25.0
1995-96	25.96	22.11	851	26.0
1996-97	26.31	24.38	927	26.2
1997-98	26.09	21.32	817	24.3
1998-99	26.20	24.75	945	23.8
1999-00	24.26	20.71	854	25.0
2000-01	22.77	18.44	810	22.4
2001-02	22.64	20.66	913	24.4
2002-03	21.49	14.84	691	23.2
2003-04	23.66	25.19	1064	25.0
2004-05	27.52	24.35	885	27.0
2005-06	27.86	27.98	1004	28.4
2006-07	26.51	24.29	916	29.0
2007-08	26.69	29.76	1115	27.2
2008-09	27.56	27.72	1006	27.1
2009-10	25.96	24.88	958	25.9
2010-11	27.22	32.48	1193	24.9
2011-12	26.31	29.80	1133	27.5
2012-13	26.48	30.94	1168	28.2
2013-14	28.05	32.75	1168	27.3
2014-15	25.60	27.51	1075	27.4
2015-16	26.09	25.25	968	-
2016-17	26.18	31.28	1195	-
2017-18*	24.65	31.31	1270	-

Source: Directorate of Economics & Statistics, DAC&FW

* 4th Advance Estimates. NA-Not Available

Note : Data for 1950-51 to 1969-70 relate to total of five major oilseeds viz. groundnut, 'castorseed, sesamum, rapeseed & mustard and linseed. After 1969-70 data also included 'Soybean, Sunflower, Nigerseed and Saflower.

Table 4.16(b): Nine Oilseeds: Area, Production and Yield during 2016-17 and 2017-18 in major Producing States alongwith coverage

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	(11)	(12)		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)			
Madhya Pradesh	6.64	26.95	6.95	22.20	1046	6.99	26.68	8.22	26.30	1177	5.3			
Rajasthan	4.11	16.68	5.97	19.07	1453	4.62	17.65	6.24	19.95	1351	63.8			
Gujarat	2.76	11.19	5.86	18.71	2123	2.78	10.60	4.79	15.31	1725	29.8			
Maharashtra	4.22	17.13	4.27	13.63	1010	4.41	16.84	5.11	16.35	1160	3.2			
Uttar Pradesh	1.09	4.41	1.15	3.66	1054	1.20	4.58	1.05	3.36	876	42.5			
West Bengal	0.95	3.84	1.13	3.62	1198	0.79	3.03	0.91	2.91	1147	79.1			
Haryana	0.56	2.26	1.12	3.57	2007	0.53	2.01	0.96	3.08	1832	83.1			
Andhra Pradesh	0.82	3.34	1.09	3.48	1323	1.14	4.37	0.66	2.12	581	18.7			
Tamil Nadu	0.39	1.58	1.01	3.21	2579	0.32	1.23	0.60	1.93	1870	66.5			
Karnataka	1.16	4.71	0.94	2.99	807	1.29	4.94	0.81	2.58	623	29.9			
Telangana	0.37	1.51	0.65	2.07	1739	0.52	1.99	0.72	2.31	1385	40.5			
Others	1.57	6.38	1.18	3.78	@	1.59	6.07	1.19	3.80	@	-			
All India	24.65	100.00	31.31	100.00	1270	26.18	100.00	31.28	100.00	1195	27.4			

Source: Directorate of Economics & Statistics, DAC&FW

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

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

Fourth Advance Estimates.

* Provisional

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

Year	Area	Production	Yield	Area Under Irrigation (%)
(1)	(2)	(3)	(4)	(5)
1950-51	4.49	3.48	775	NA
1951-52	4.92	3.19	649	NA
1952-53	4.80	2.93	611	1.23
1953-54	4.25	3.45	811	1.54
1954-55	5.54	4.25	766	1.67
1955-56	5.13	3.86	752	1.70
1956-57	5.53	4.37	783	1.79
1957-58	6.42	4.71	734	2.85
1958-59	6.25	5.18	828	2.51
1959-60	6.44	4.56	708	2.47
1960-61	6.46	4.81	745	3.02
1961-62	6.89	4.99	725	3.35
1962-63	7.28	5.06	695	2.64
1963-64	6.89	5.30	769	3.03
1964-65	7.38	6.00	814	2.94
1965-66	7.70	4.26	554	3.37
1966-67	7.30	4.41	604	4.78
1967-68	7.55	5.73	759	5.36
1968-69	7.09	4.63	653	5.14
1969-70	7.13	5.13	720	5.75
1970-71	7.33	6.11	834	7.55
1971-72	7.51	6.18	823	7.28
1972-73	6.99	4.09	585	6.64
1973-74	7.02	5.93	845	9.13
1974-75	7.06	5.11	724	8.20
1975-76	7.22	6.76	935	6.87
1976-77	7.04	5.26	747	5.90
1977-78	7.03	6.09	866	8.11
1978-79	7.43	6.21	835	9.59
1979-80	7.17	5.77	805	12.05
1980-81	6.80	5.01	736	13.30
1981-82	7.43	7.22	972	14.24
1982-83	7.22	5.28	732	14.84

(Contd.)

Table 4.17(a) (Contd.)

Year	Area	Production	Yield	Area Under Irrigation (%)
(1)	(2)	(3)	(4)	(5)
1983-84	7.54	7.09	940	16.04
1984-85	7.17	6.44	898	16.05
1985-86	7.12	5.12	719	14.79
1986-87	6.98	5.88	841	15.10
1987-88	6.84	5.85	855	19.01
1988-89	8.53	9.66	1132	18.59
1989-90	8.71	8.10	930	16.96
1990-91	8.31	7.51	904	18.63
1991-92	8.67	7.09	818	19.14
1992-93	8.17	8.56	1049	19.71
1993-94	8.32	7.83	941	19.39
1994-95	7.85	8.06	1027	19.82
1995-96	7.52	7.58	1007	18.11
1996-97	7.60	8.64	1138	17.53
1997-98	7.09	7.37	1040	19.45
1998-99	7.40	8.98	1214	19.92
1999-00	6.87	5.25	764	18.69
2000-01	6.56	6.41	977	16.89
2001-02	6.24	7.03	1127	17.07
2002-03	5.94	4.12	694	15.98
2003-04	5.99	8.13	1357	16.82
2004-05	6.64	6.77	1020	17.03
2005-06	6.74	7.99	1187	18.36
2006-07	5.62	4.86	866	20.87
2007-08	6.29	9.18	1459	22.24
2008-09	6.16	7.17	1163	21.24
2009-10	5.48	5.43	991	23.99
2010-11	5.86	8.26	1411	21.80
2011-12	5.26	6.96	1323	24.34
2012-13	4.72	4.70	995	25.30
2013-14	5.51	9.71	1764	25.76
2014-15	4.77	7.40	1552	26.66
2015-16	4.60	6.73	1465	-
2016-17	5.34	7.46	1398	-
2017-18*	4.91	9.18	1868	-

Source: Directorate of Economics & Statistics, DAC&FW

* 4th Advance Estimates.

NA-Not Available

Table 4.17 (b): Groundnut: Area, Production and Yield during 2016-17 and 2017-18 in major Producing States alongwith coverage under Irrigation

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	(10)	(11)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)		
Gujarat	1.68	34.18	3.94	42.88	2343	1.76	32.95	3.16	42.31	1795	12.4		
Rajasthan	0.64	13.03	1.26	13.72	1966	0.56	10.42	1.14	15.29	2051	88.3		
Andhra Pradesh	0.74	14.96	1.04	11.34	1416	1.01	18.98	0.60	8.08	595	10.8		
Tamil Nadu	0.33	6.80	0.97	10.61	2914	0.28	5.29	0.59	7.89	2084	41.0		
Karnataka	0.62	12.51	0.56	6.09	908	0.67	12.48	0.42	5.62	629	30.1		
Telangana	0.17	3.38	0.35	3.82	2114	0.17	3.11	0.34	4.58	2060	92.9		
Madhya Pradesh	0.22	4.56	0.35	3.80	1558	0.26	4.78	0.38	5.07	1482	10.0		
Maharashtra	0.26	5.38	0.33	3.61	1255	0.35	6.65	0.42	5.63	1184	20.8		
West Bengal	0.07	1.43	0.17	1.80	2343	0.08	1.44	0.18	2.35	2279	-		
Others	0.19	3.77	0.21	2.33	@	0.21	3.91	0.24	3.18	@	-		
All India	4.91	100.00	9.18	100.00	1868	5.34	100.00	7.46	100.00	1398	26.7		

Source: Directorate of Economics & Statistics, DAC&FW

* Since area/ production is low in individual States yield rate is not worked out.

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

* Provisional # Fourth Advance Estimates.

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

Year (1)	Area (2)	Production (3)	Yield (4)	Area - Million Hectares
				Production - Million Tonnes
				Yield - Kg./Hectare
				Area Under Irrigation (%)
				(5)
1950-51	2.07	0.76	368	NA
1951-52	2.40	0.94	393	NA
1952-53	2.11	0.86	408	0
1953-54	2.24	0.87	389	0
1954-55	2.44	1.04	425	0.09
1955-56	2.56	0.86	336	10.39
1956-57	2.54	1.04	411	13.53
1957-58	2.41	0.93	387	12.96
1958-59	2.45	1.04	426	13.02
1959-60	2.91	1.06	365	12.31
1960-61	2.88	1.35	467	12.05
1961-62	3.17	1.35	425	13.18
1962-63	3.13	1.30	417	13.33
1963-64	3.05	0.92	300	16.08
1964-65	2.91	1.47	507	15.23
1965-66	2.91	1.30	446	15.78
1966-67	3.01	1.23	408	20.28
1967-68	3.24	1.57	483	14.83
1968-69	2.87	1.35	469	18.41
1969-70	3.17	1.56	493	23.54
1970-71	3.32	1.98	594	25.16
1971-72	3.61	1.43	396	28.59
1972-73	3.32	1.81	545	26.75
1973-74	3.46	1.70	493	30.38
1974-75	3.68	2.25	612	35.37
1975-76	3.34	1.94	580	31.25
1976-77	3.13	1.55	496	34.41
1977-78	3.58	1.65	460	39.68
1978-79	3.54	1.86	525	39.69
1979-80	3.47	1.43	411	41.94
1980-81	4.11	2.30	560	43.65
1981-82	4.40	2.38	541	44.88
1982-83	3.83	2.21	577	43.90

(Contd.)

Table 4.18(a) (Contd.)

Year	Area	Production	Yield	Area Under Irrigation (%)
(1)	(2)	(3)	(4)	(5)
1983-84	3.87	2.61	673	46.58
1984-85	3.99	3.07	771	53.26
1985-86	3.98	2.68	674	51.30
1986-87	3.72	2.60	700	51.77
1987-88	4.62	3.45	748	54.71
1988-89	4.83	4.38	906	59.97
1989-90	4.97	4.13	831	61.62
1990-91	5.78	5.23	904	59.82
1991-92	6.55	5.86	895	63.87
1992-93	6.19	4.80	776	60.05
1993-94	6.29	5.33	847	59.34
1994-95	6.01	5.76	958	62.77
1995-96	6.55	6.00	916	66.36
1996-97	6.55	6.66	1017	67.56
1997-98	7.04	4.70	668	58.98
1998-99	6.51	5.66	869	61.70
1999-00	6.03	5.79	961	63.30
2000-01	4.48	4.19	936	66.10
2001-02	5.07	5.08	1002	69.05
2002-03	4.54	3.88	854	70.58
2003-04	5.43	6.29	1159	71.47
2004-05	7.32	7.59	1038	71.97
2005-06	7.28	8.13	1117	73.57
2006-07	6.79	7.44	1095	75.55
2007-08	5.83	5.83	1001	76.01
2008-09	6.30	7.20	1143	74.33
2009-10	5.59	6.61	1183	71.93
2010-11	6.90	8.18	1185	69.82
2011-12	5.89	6.60	1121	73.45
2012-13	6.36	8.03	1262	76.51
2013-14	6.65	7.88	1185	76.57
2014-15	5.80	6.28	1083	76.64
2015-16	5.75	6.80	1183	-
2016-17	6.07	7.92	1304	-
2017-18*	5.96	8.32	1397	-

Source: Directorate of Economics & Statistics, DAC&FW

* 4th Advance Estimates.

NA- Not Available

Table 4.18 (b): Rapeseed & Mustard: Area, Production and Yield during 2016-17 and 2017-18
in major Producing States alongwith coverage under Irrigation

State	Area	2017-18*			2016-17			Area Under Irrigation (%) 2014-15*			
		% to All - India	Production	% to All - India	Yield	Area	% to All - India	Production	% to All - India	Yield	(12)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Rajasthan	2.18	36.64	3.40	40.87	1558	2.56	42.27	3.65	46.04	1422	90.1
Haryana	0.55	9.21	1.11	13.31	2018	0.51	8.41	0.95	11.94	1853	82.9
Madhya Pradesh	0.75	12.55	0.98	11.73	1305	0.71	11.67	0.92	11.62	1299	54.3
Uttar Pradesh	0.68	11.40	0.95	11.36	1392	0.69	11.36	0.86	10.84	1245	82.0
West Bengal	0.62	10.32	0.72	8.68	1175	0.46	7.57	0.49	6.25	1077	87.8
Gujarat	0.22	3.71	0.40	4.81	1810	0.20	3.31	0.34	4.34	1711	95.3
Jharkhand	0.31	5.12	0.22	2.68	732	0.27	4.51	0.20	2.51	728	54.1
Assam	0.29	4.82	0.19	2.31	669	0.29	4.85	0.19	2.39	644	0.0
Bihar	0.09	1.44	0.11	1.28	1241	0.08	1.36	0.10	1.23	1180	63.7
Punjab	0.03	0.52	0.05	0.55	1479	0.03	0.52	0.04	0.57	1413	91.9
Others	0.26	4.28	0.20	2.43	@	0.25	4.16	0.18	2.27	@	-
All India	5.96	100.00	8.32	100.00	1397	6.07	100.00	7.92	100.00	1304	76.6

Source: Directorate of Economics & Statistics, DA&FW

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

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

* Provisional

Fourth Advance Estimates.

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

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

(Contd.)

Table 4.19(a) (*Contd.*)

Year (1)	Area (2)	Production (3)	Yield (4)	Area Under Irrigation (%) (5)
1998-99	6.49	7.14	1100	2.5
1999-00	6.22	7.08	1138	1.6
2000-01	6.42	5.28	823	1.4
2001-02	6.34	5.96	940	1.7
2002-03	6.11	4.65	762	0.8
2003-04	6.55	7.82	1193	1.4
2004-05	7.57	6.87	908	1.6
2005-06	7.71	8.27	1073	1.7
2006-07	8.33	8.85	1063	1.1
2007-08	8.88	10.97	1235	1.2
2008-09	9.51	9.91	1041	1.0
2009-10	9.73	9.96	1024	0.7
2010-11	9.60	12.74	1327	0.6
2011-12	10.11	12.21	1208	0.6
2012-13	10.84	14.67	1353	0.6
2013-14	11.72	11.86	1012	0.6
2014-15	10.91	10.37	951	0.7
2015-16	11.60	8.57	738	-
2016-17	11.18	13.16	1177	-
2017-18*	10.47	10.98	1049	-

Source: Directorate of Economics & Statistics, DAC&FW

* 4th Advance Estimates.

NA- Not Available

Table 4.19 (b): Soybean: Area, Production and Yield during 2016-17 and 2017-18 in major Producing States alongwith coverage under Irrigation

State	Area	2017-18 [#]						2016-17						Area Under Irrigation (%) 2014-15*
		% to All - India	Production	% to All - India	Yield	Area	% to All - India	Production	% to All - India	Yield	(11)	(12)		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)			
Madhya Pradesh	5.01	47.85	5.32	48.46	1062	5.40	48.30	6.65	50.53	1231		0.4		
Maharashtra	3.84	36.68	3.89	35.41	1012	3.84	34.35	4.59	34.86	1194		0.4		
Rajasthan	0.89	8.47	1.07	9.74	1207	1.06	9.44	1.13	8.60	1072		0.4		
Telangana	0.15	1.45	0.25	2.25	1625	0.28	2.48	0.32	2.45	1162		7.8		
Karnataka	0.28	2.64	0.23	2.09	830	0.32	2.84	0.24	1.80	745		6.5		
Gujarat	0.15	1.39	0.12	1.05	788	0.12	1.07	0.09	0.65	717		0		
Others	0.16	1.53	0.11	1.01	@	0.17	1.52	0.15	1.11	@				
All India	10.47	100.00	10.98	100.00	1049	11.18	100.00	13.16	100.00	1177	0.7			

Source: Directorate of Economics & Statistics, DA&FW

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

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

* Provisional # Fourth Advance Estimates.

Table 4.20(a): Sunflower: All-India Area, Production and Yield alongwith coverage under Irrigation

Year (1)	Area (2)	Production (3)	Yield (4)	Area - Million Hectares
				Production - Million Tonnes
				Yield - Kg./Hectare
Year (1)	Area (2)	Production (3)	Yield (4)	Area Under Irrigation (%) (5)
(1)	(2)	(3)	(4)	(5)
1970-71	0.12	0.08	653	NA
1971-72	0.12	0.08	653	NA
1972-73	0.12	0.08	653	NA
1973-74	0.24	0.17	712	NA
1974-75	0.34	0.23	671	NA
1975-76	0.32	0.22	686	NA
1976-77	0.26	0.14	541	NA
1977-78	0.27	0.14	523	NA
1978-79	0.18	0.10	543	NA
1979-80	0.06	0.03	519	NA
1980-81	0.12	0.07	555	NA
1981-82	0.28	0.16	564	NA
1982-83	0.46	0.23	497	NA
1983-84	0.70	0.30	431	NA
1984-85	0.84	0.44	527	NA
1985-86	0.75	0.28	374	NA
1986-87	1.02	0.42	411	NA
1987-88	1.65	0.64	385	NA
1988-89	1.10	0.37	335	NA
1989-90	1.19	0.63	529	NA
1990-91	1.63	0.87	535	NA
1991-92	2.11	1.19	565	NA
1992-93	2.09	1.18	567	19.6
1993-94	2.67	1.35	505	17.70
1994-95	2.00	1.22	610	18.20
1995-96	2.12	1.26	593	21.00

(Contd.)

Table 4.20(a) (Contd.)

Year (1)	Area (2)	Production (3)	Yield (4)	Area Under Irrigation (%) (5)
1996-97	1.93	1.25	646	21.10
1997-98	1.74	0.89	510	21.60
1998-99	1.82	0.95	521	20.10
1999-00	1.29	0.69	536	23.30
2000-01	1.07	0.65	605	27.60
2001-02	1.18	0.68	577	24.10
2002-03	1.64	0.87	531	22.90
2003-04	2.00	0.93	464	15.40
2004-05	2.16	1.19	549	26.44
2005-06	2.34	1.44	615	24.09
2006-07	2.16	1.23	567	26.22
2007-08	1.91	1.46	765	31.35
2008-09	1.81	1.16	639	30.10
2009-10	1.48	0.85	576	28.69
2010-11	0.93	0.65	699	31.23
2011-12	0.73	0.52	712	32.32
2012-13	0.83	0.54	655	29.05
2013-14	0.67	0.50	750	28.57
2014-15	0.59	0.43	736	30.09
2015-16	0.49	0.30	609	-
2016-17	0.38	0.25	660	-
2017-18*	0.29	0.21	738	-

Source: Directorate of Economics & Statistics, DAC&FW

* 4th Advance Estimates.

NA- Not Available

Table 4.20 (b) Sunflower: Area, Production and Yield during 2016-17 and 2017-18 in major Producing States alongwith coverage under Irrigation

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	(11)	(12)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)		
Karnataka	0.19	66.04	0.10	47.31	529	0.22	57.73	0.10	38.98	445	24.2		
Bihar	0.02	5.46	0.02	10.48	1417	0.01	2.70	0.01	5.84	1428	100.0		
Odisha	0.01	4.34	0.02	7.32	1245	0.02	4.73	0.02	8.54	1191	39.8		
Maharashtra	0.02	7.86	0.01	5.40	507	0.06	15.51	0.04	13.96	594	49.3		
Andhra Pradesh	0.01	3.14	0.01	5.21	1222	0.02	5.51	0.02	8.35	1000	91.5		
Punjab	0.01	1.99	0.01	4.97	1842	0.01	1.52	0.01	3.82	1655	70.5		
West Bengal	0.01	2.62	0.01	4.97	1400	0.01	3.02	0.02	6.00	1312	22.8		
Tamil Nadu	0.01	3.49	0.01	4.73	1050	0.01	2.62	0.00	0.80	392	89.3		
Others	0.01	5.05	0.02	9.61	@	0.03	6.67	0.03	13.70	@	-		
All India	0.29	100.00	0.21	100.00	738	0.38	100.00	0.25	100.00	660	30.1		

Source: Directorate of Economics & Statistics, DAC&FW

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

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

* Provisional # Fourth Advance Estimates.

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

Year (1)	Area (2)	Production (3)	Yield (4)	Area Under Irrigation (%) (5)
1950-51	5.88	3.04	88	8.22
1951-52	6.56	3.28	85	9.05
1952-53	6.36	3.34	89	8.49
1953-54	6.99	4.13	100	8.40
1954-55	7.55	4.45	100	9.83
1955-56	8.09	4.18	88	9.96
1956-57	8.02	4.92	104	11.03
1957-58	8.01	4.96	105	12.70
1958-59	7.96	4.88	104	12.53
1959-60	7.30	3.68	86	12.86
1960-61	7.61	5.60	125	12.71
1961-62	7.98	4.85	103	13.00
1962-63	7.73	5.54	122	14.09
1963-64	8.22	5.75	119	15.34
1964-65	8.37	6.01	122	15.46
1965-66	7.96	4.85	104	15.90
1966-67	7.84	5.27	114	16.09
1967-68	8.00	5.78	123	16.68
1968-69	7.60	5.45	122	16.48
1969-70	7.73	5.56	122	16.41
1970-71	7.61	4.76	106	17.34
1971-72	7.80	6.95	151	20.29
1972-73	7.68	5.74	127	21.01
1973-74	7.57	6.31	142	22.07
1974-75	7.56	7.16	161	22.92
1975-76	7.35	5.95	138	23.48
1976-77	6.89	5.84	144	24.60
1977-78	7.87	7.24	157	26.19
1978-79	8.12	7.96	167	27.19
1979-80	8.13	7.65	160	27.55
1980-81	7.82	7.01	152	27.28
1981-82	8.06	7.88	166	27.67
1982-83	7.87	7.53	163	29.01

(Contd.)

Table 4.21(a) (Contd.)

Year	Area	Production	Yield	Area Under Irrigation (%)
(1)	(2)	(3)	(4)	(5)
1983-84	7.72	6.39	141	29.93
1984-85	7.38	8.51	196	28.48
1985-86	7.53	8.73	197	30.24
1986-87	6.95	6.91	169	31.11
1987-88	6.46	6.38	168	32.04
1988-89	7.34	8.74	202	32.96
1989-90	7.69	11.42	252	34.21
1990-91	7.44	9.84	225	32.94
1991-92	7.66	9.71	216	33.33
1992-93	7.54	11.40	257	34.61
1993-94	7.32	10.74	249	34.69
1994-95	7.87	11.89	257	34.18
1995-96	9.04	12.86	242	34.97
1996-97	9.12	14.23	265	35.99
1997-98	8.87	10.85	208	37.10
1998-99	9.34	12.29	224	34.06
1999-00	8.71	11.53	225	33.03
2000-01	8.53	9.52	190	32.22
2001-02	9.13	10.00	186	33.82
2002-03	7.67	8.62	191	33.17
2003-04	7.60	13.73	307	32.30
2004-05	8.79	16.43	318	34.81
2005-06	8.68	18.50	362	37.25
2006-07	9.14	22.63	421	37.74
2007-08	9.41	25.88	467	37.62
2008-09	9.41	22.28	403	35.78
2009-10	10.13	24.02	403	35.97
2010-11	11.24	33.00	499	33.81
2011-12	12.18	35.20	491	35.90
2012-13	11.98	34.22	486	33.80
2013-14	11.96	35.90	510	32.48
2014-15	12.82	34.80	462	33.75
2015-16	12.29	30.01	415	-
2016-17	10.83	32.58	512	-
2017-18*	12.43	34.89	477	-

Source: Directorate of Economics & Statistics, DAC&FW

* 4th Advance Estimates.

Table 4.21 (b): Cotton: Area, Production and Yield during 2016-17 and 2017-18 in major Producing States alongwith coverage under Irrigation

State	Area	2017-18*			2016-17			Area - Million Hectares			Production - Million Tonnes			Yield - Kg./ Hectare		
		% to All - India	Production	% to All - India	Yield	Area	% to All - India	Production	% to All - India	Yield	(11)	(12)	Irrigation (%)	2014-15*		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)					
Gujarat	2.62	21.10	12.64	36.22	819	2.38	22.00	8.58	26.32	612	58.7					
Maharashtra	4.21	33.85	6.55	18.76	265	3.80	35.10	10.62	32.60	475	2.7					
Telangana	1.90	15.26	4.75	13.63	426	1.41	13.01	3.44	10.57	416	12.5					
Andhra Pradesh	0.64	5.18	2.04	5.84	538	0.47	4.36	1.56	4.80	563	19.9					
Rajasthan	0.58	4.70	1.89	5.43	551	0.47	4.35	1.40	4.30	506	95.2					
Madhya Pradesh	0.60	4.85	1.87	5.36	527	0.60	5.53	2.05	6.29	582	60.4					
Haryana	0.67	5.38	1.63	4.66	413	0.57	5.26	2.04	6.27	609	99.8					
Punjab	0.29	2.34	1.28	3.68	750	0.29	2.63	1.03	3.16	615	100.0					
Karnataka	0.53	4.27	1.22	3.51	392	0.51	4.71	1.01	3.10	337	27.2					
Others	0.38	3.06	1.02	2.92	@	0.33	3.05	0.84	2.58	@	-					
All India	12.43	100.00	34.89	100.00	477	10.83	100.00	32.58	100.00	512	33.7					

Source: Directorate of Economics & Statistics, DAC&FW

* Provisional
@ - 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.

Fourth Advance Estimates.

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

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

(Contd.)

Table 4.22(a) (Contd.)

Year	Area	Production	Yield
(1)	(2)	(3)	(4)
1983-84	1.05	7.72	1320
1984-85	1.13	7.79	1242
1985-86	1.50	12.65	1524
1986-87	1.07	8.62	1454
1987-88	0.96	6.78	1274
1988-89	0.92	7.86	1540
1989-90	0.91	8.29	1646
1990-91	1.02	9.23	1634
1991-92	1.11	10.29	1662
1992-93	0.93	8.59	1658
1993-94	0.89	8.43	1713
1994-95	0.93	9.08	1760
1995-96	0.93	8.81	1712
1996-97	1.10	11.13	1819
1997-98	1.11	11.02	1792
1998-99	1.03	9.81	1722
1999-00	1.04	10.55	1834
2000-01	1.02	10.56	1868
2001-02	1.05	11.68	2007
2002-03	1.04	11.28	1960
2003-04	1.00	11.17	2008
2004-05	0.92	10.27	2019
2005-06	0.90	10.84	2173
2006-07	0.94	11.27	2170
2007-08	0.96	11.21	2101
2008-09	0.90	10.37	2071
2009-10	0.91	11.82	2349
2010-11	0.87	10.62	2197
2011-12	0.90	11.40	2280
2012-13	0.86	10.93	2281
2013-14	0.84	11.68	2512
2014-15	0.81	11.13	2473
2015-16	0.78	10.52	2421
2016-17	0.76	10.96	2585
2017-18*	0.74	10.14	2481

Source: Directorate of Economics & Statistics, DAC&FW

* 4th Advance Estimates.

Table 4.22 (b): Jute & Mesta: Area, Production and Yield during 2016-17 and 2017-18 in major Producing States

State	2017-18 [#]						2016-17					
	Area (1)	% to All - India (2)	Production (3)	% to All - India (4)	Yield (5)	Area (6)	% to All - India (7)	Production (8)	% to All - India (9)	Production (10)	% to All - India (11)	Yield (11)
West Bengal	0.53	71.62	7.64	75.35	2616	0.54	7023	835	76.17	2803		
Bihar	0.09	12.16	1.45	14.32	2762	0.11	1411	1.57	14.33	2626		
Assam	0.08	10.81	0.84	8.26	1957	0.08	1031	0.82	7.52	1885		
Andhra Pradesh	0.01	0.68	0.05	0.46	1692	0.01	0.92	0.06	0.57	1620		
Odisha	0.01	0.85	0.04	0.44	1103	0.01	0.94	0.03	0.30	826		
Others	0.03	3.88	0.12	1.17	@	0.03	3.50	0.12	1.11	@		
All India	0.74	100.00	10.14	100.00	2481	0.76	100.00	10.96	100.00	2585		

Source: Directorate of Economics & Statistics, DAC&FW

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

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

Fourth Advance Estimates.

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

Year (1)	Area (2)	Production (3)	Yield (4)	Area - Million Hectares
				Production - Million Tonnes
				Yield - Kg./Hectare
1950-51	1.71	57.05	33422	67.33
1951-52	1.94	61.63	31786	68.77
1952-53	1.73	51.00	29495	66.29
1953-54	1.41	44.41	31497	67.66
1954-55	1.62	58.74	36303	68.79
1955-56	1.85	60.54	32779	67.19
1956-57	2.05	69.05	33683	64.93
1957-58	2.07	71.16	34325	65.19
1958-59	1.95	73.36	37658	67.40
1959-60	2.14	77.82	36414	67.88
1960-61	2.42	110.00	45549	69.26
1961-62	2.46	103.97	42349	68.04
1962-63	2.24	91.91	40996	67.75
1963-64	2.25	104.23	46353	69.64
1964-65	2.60	121.91	46838	71.52
1965-66	2.84	123.99	43717	71.14
1966-67	2.30	92.83	40336	70.98
1967-68	2.05	95.50	40665	74.08
1968-69	2.53	124.68	49236	76.95
1969-70	2.75	135.02	49121	75.48
1970-71	2.62	126.37	48322	72.38
1971-72	2.39	113.57	47511	71.80
1972-73	2.45	124.87	50933	75.01
1973-74	2.75	140.81	51163	76.46
1974-75	2.89	144.29	49855	77.87
1975-76	2.76	140.60	50903	77.98
1976-77	2.87	153.01	53383	77.19
1977-78	3.15	176.97	56160	78.13
1978-79	3.09	151.66	49114	77.77
1979-80	2.61	128.83	49358	77.20
1980-81	2.67	154.25	57844	81.26
1981-82	3.19	186.36	58359	82.34
1982-83	3.36	189.51	56441	80.54

(Contd.)

Table 4.23(a) (Contd.)

Year	Area	Production	Yield	Area Under Irrigation (%)
(1)	(2)	(3)	(4)	(5)
1983-84	3.11	174.08	55978	80.33
1984-85	2.95	170.32	57673	83.59
1985-86	2.85	170.65	59889	84.51
1986-87	3.08	186.09	60444	85.38
1987-88	3.28	196.74	60006	85.62
1988-89	3.33	203.04	60992	86.18
1989-90	3.44	225.57	65612	86.93
1990-91	3.69	241.05	65395	86.97
1991-92	3.84	254.00	66069	88.01
1992-93	3.57	228.03	63843	88.27
1993-94	3.42	229.66	67120	88.76
1994-95	3.87	275.54	71254	85.39
1995-96	4.15	281.10	67787	87.43
1996-97	4.17	277.56	66496	90.95
1997-98	3.93	279.54	71133	91.57
1998-99	4.05	288.72	71203	91.91
1999-00	4.22	299.32	70934	92.50
2000-01	4.32	295.96	68578	92.17
2001-02	4.41	297.21	67370	92.28
2002-03	4.52	287.38	63576	92.66
2003-04	3.93	233.86	59380	92.27
2004-05	3.66	237.09	64752	92.39
2005-06	4.20	281.17	66919	93.27
2006-07	5.15	355.52	69022	93.80
2007-08	5.06	348.19	68877	93.83
2008-09	4.42	285.03	64553	93.52
2009-10	4.17	292.30	70020	93.80
2010-11	4.88	342.38	70091	92.67
2011-12	5.04	361.04	71668	94.81
2012-13	5.00	341.20	68254	95.16
2013-14	4.99	352.14	70522	95.31
2014-15	5.07	362.33	71511	90.18
2015-16	4.93	348.45	70720	-
2016-17	4.44	306.07	69001	-
2017-18*	4.73	376.90	79650	-

Source: Directorate of Economics & Statistics, DAC&FW

* 4th Advance Estimates.

Table 4.23 (b): Sugarcane: Area, Production and Yield during 2016-17 and 2017-18 in major Producing States alongwith coverage under Irrigation

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	(11)	(12)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)		
Uttar Pradesh	2.23	47.21	177.06	46.98	79255	2.16	48.70	140.17	45.80	64893	95.4		
Maharashtra	0.90	19.06	83.13	22.06	92166	0.63	14.28	52.26	17.08	82524	70.5		
Karnataka	0.35	7.40	28.26	7.50	80751	0.40	8.95	27.38	8.95	68962	99.4		
Tamil Nadu	0.18	3.80	16.54	4.39	92002	0.22	4.92	18.99	6.20	86995	100.0		
Bihar	0.24	4.99	13.98	3.71	59202	0.24	5.40	13.04	4.26	54415	79.3		
Gujarat	0.18	3.85	12.05	3.20	66220	0.17	3.81	11.95	3.90	70710	94.5		
Haryana	0.11	2.41	9.63	2.56	84500	0.10	2.30	8.22	2.69	80618	100.0		
Punjab	0.10	2.03	8.02	2.13	83583	0.09	1.98	7.15	2.34	81273	97.7		
Andhra Pradesh	0.10	2.09	7.95	2.11	80283	0.10	2.32	7.83	2.56	76019	92.4		
Uttarakhand	0.09	1.90	6.30	1.67	70044	0.09	2.10	6.48	2.12	69645	98.7		
Madhya Pradesh	0.10	2.07	5.43	1.44	55408	0.09	2.07	4.73	1.55	51413	99.9		
Telangana	0.04	0.74	2.56	0.68	73086	0.03	0.65	2.06	0.67	71069	100.0		
Others	0.12	2.45	5.98	1.59	@	0.11	2.52	5.81	1.90	@	-		
All India	4.73	100.00	376.90	100.00	79650	4.44	100.00	306.07	100.00	69001	90.2		

Source: Directorate of Economics & Statistics, DAC&FW

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

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

Fourth Advance Estimates.

* Provisional

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

Year (1)	Area (2)	Production (3)	Yield (4)	Area Under Irrigation (%) (5)
1950-51	0.36	0.26	731	NA
1951-52	0.29	0.21	723	NA
1952-53	0.36	0.25	675	9.71
1953-54	0.37	0.27	737	9.73
1954-55	0.35	0.26	737	10.84
1955-56	0.41	0.30	739	16.87
1956-57	0.42	0.31	728	20.38
1957-58	0.36	0.24	669	22.50
1958-59	0.38	0.32	836	21.00
1959-60	0.41	0.29	716	22.44
1960-61	0.40	0.31	766	21.95
1961-62	0.42	0.34	811	17.94
1962-63	0.41	0.34	842	18.23
1963-64	0.44	0.36	817	15.42
1964-65	0.41	0.36	876	16.95
1965-66	0.38	0.29	778	16.94
1966-67	0.42	0.35	834	17.06
1967-68	0.42	0.37	871	17.39
1968-69	0.44	0.36	821	20.44
1969-70	0.44	0.34	770	19.55
1970-71	0.45	0.36	810	23.67
1971-72	0.46	0.42	914	24.50
1972-73	0.45	0.37	837	26.28
1973-74	0.46	0.46	1001	24.22
1974-75	0.38	0.36	954	20.98
1975-76	0.37	0.35	950	29.79
1976-77	0.43	0.42	969	30.24
1977-78	0.50	0.49	979	23.33
1978-79	0.41	0.45	1109	30.55
1979-80	0.43	0.44	1031	32.56
1980-81	0.45	0.48	1065	33.70
1981-82	0.44	0.52	1172	33.86

(Contd.)

Table 4.24(a) (Contd.)

Year (1)	Area (2)	Production (3)	Yield (4)	Area Under Irrigation (%) (5)
1982-83	0.50	0.58	1157	29.64
1983-84	0.44	0.49	1120	34.05
1984-85	0.44	0.49	1113	37.74
1985-86	0.40	0.44	1111	39.90
1986-87	0.39	0.46	1187	40.66
1987-88	0.32	0.37	1155	45.92
1988-89	0.38	0.49	1307	42.38
1989-90	0.41	0.55	1335	43.18
1990-91	0.41	0.56	1353	43.36
1991-92	0.43	0.58	1369	38.95
1992-93	0.42	0.60	1425	40.44
1993-94	0.38	0.56	1463	43.46
1994-95	0.38	0.57	1486	45.34
1995-96	0.39	0.54	1356	46.55
1996-97	0.43	0.62	1444	46.80
1997-98	0.46	0.64	1394	42.24
1998-99	0.51	0.74	1451	44.33
1999-00	0.43	0.52	1211	47.08
2000-01	0.26	0.34	1318	53.16
2001-02	0.35	0.55	1565	45.78
2002-03	0.33	0.49	1506	46.66
2003-04	0.37	0.55	1486	50.17
2004-05	0.37	0.55	1498	49.02
2005-06	0.37	0.50	1351	48.18
2006-07	0.37	0.47	1274	47.08
2007-08	0.35	0.44	1255	50.26
2008-09	0.39	0.57	1456	47.08
2009-10	0.44	0.69	1559	45.29
2010-11	0.49	0.80	1632	46.43
2011-12	0.47	0.75	1613	51.01
2012-13	0.43	0.66	1542	53.76
2013-14	0.46	0.74	1612	51.62
2014-15	0.47	0.86	1830	58.79
2015-16	0.45	0.80	1781	-
2016-17*	0.40	0.81	2016	-

Source: Directorate of Economics & Statistics, DAC&FW

* 4th Advance Estimates.

Table 4.24(b): Tobacco: Area, Production and Yield during 2015-16 and 2016-17 in major Producing States

State	2016-17 [#]						2015-16						Area Under Irrigation (%) 2014-15*
	Area	% to All - India	Production	% to All - India	Yield	Area	% to All - India	Production	% to All - India	Yield	(11)	(12)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)		
Gujarat	167.00	41.79	375.00	46.55	2246	198.00	43.93	326.00	40.61	1646		100.0	
Andhra Pradesh	78.00	19.52	177.00	21.97	2269	98.00	21.74	222.00	27.66	2265		31.2	
Uttar Pradesh	27.00	6.76	119.00	14.77	4407	31.64	7.02	138.64	17.27	4382		100.0	
Karnataka	90.00	22.52	65.00	8.07	722	84.00	18.64	49.00	6.10	583		7.2	
West Bengal	15.68	3.92	26.65	3.31	1700	15.07	3.34	25.34	3.16	1681		99.5	
Telangana	7.00	1.75	19.00	2.36	2714	6.00	1.33	15.00	1.87	2500		73.7	
Bihar	10.05	2.51	17.69	2.20	1761	9.10	2.02	15.81	1.97	1736		88.1	
Others	4.90	1.23	6.17	0.77	1259	8.88	1.97	10.92	1.36	1230		-	
All India	399.63	100.00	805.51	100.00	2016	450.69	100.00	802.71	100.00	1781	58.8		

Source: Directorate of Economics & Statistics, DA&FW

Note: States have been arranged in descending order of percentage share of production during 2016-17.

* Provisional

Fourth Advance Estimates.

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

Year	Area	Production*	
		Production*	Yield
(1)	(2)	(3)	(4)
Guarseed			
1997-98	2301.2	962.7	418
1998-99	1922.1	488.5	254
1999-00	2933.9	375.1	128
2000-01	3497.4	658.8	188
2001-02	2903.1	1089.9	375
2002-03	975.1	199.2	204
2003-04	2854.0	1513.4	530
2004-05	2867.4	903.3	315
2005-06	2955.5	1059.0	358
2006-07	3343.7	1169.3	350
2007-08	3472.6	1788.5	515
2008-09	3862.5	1935.8	501
2009--10	2995.2	594.7	199
2010-11	3382.2	1965.3	581
2011-12	3444.2	2217.6	644
2012-13	5151.3	2457.6	477
2013-14	5958.7	3585.3	602
2014-15	5344.8	3275.9	613
2015-16	5603.4	2824.9	504
2016-17	4103.3	1849.5	451

(Contd.)

Table 4.25 (*Contd.*)

Year (1)	Area (2)	Production* (3)	Yield (4)
Sannhemp			
1997-98	54.6	64.5	213
1998-99	47.5	58.9	223
1999-00	49.8	62.1	224
2000-01	56.3	66.5	213
2001-02	50.6	64.7	230
2002-03	45.4	50.9	202
2003-04	37.0	53.3	260
2004-05	35.5	56.7	298
2005-06	33.4	57.4	310
2006-07	32.9	60.9	334
2007-08	32.1	58.0	326
2008-09	27.0	54.7	364
2009-10	24.6	73.7	540
2010-11	28.2	101.8	650
2011-12	21.2	77.6	660
2012-13	17.5	59.1	608
2013-14	12.9	52.1	730
2014-15	11.6	46.8	730
2015-16	11.0	41.6	681
2016-17	10.8	45.4	758

Source: Directorate of Economics & Statistics, DAC&FW

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

Table 4.26: Production of Oilsseeds & Oils and Net Availability of Edible Oils

										(Quantity in Lakh Tonnes)							
Oilsseeds / Oils	2004-05			2005-06			2006-07			2007-08		2008-09		2009-10		2010-11	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)		
A. Primary Source																	
Groundnut	67.74	15.58	79.93	18.38	48.64	11.19	91.82	21.12	71.68	16.48	54.29	12.49	82.65	19.01			
Rapeseed & Mustard	75.93	23.54	81.31	25.21	74.38	23.05	58.34	18.08	72.01	22.32	66.08	20.48	81.79	25.35			
Soybean	68.77	11.00	82.74	13.24	88.51	14.16	109.68	17.55	99.05	15.85	99.65	15.94	127.36	20.38			
Sunflower	11.87	3.92	14.39	4.75	12.28	4.05	14.63	4.83	11.58	3.82	8.51	2.81	6.51	2.15			
Sesamum	6.74	2.09	6.41	1.99	6.18	1.92	7.57	2.35	6.40	1.98	5.88	1.82	8.93	2.77			
Nigerseed	1.12	0.34	1.08	0.32	1.21	0.36	1.1	0.33	1.17	0.35	1.00	0.30	1.08	0.32			
Safflower	1.74	0.52	2.29	0.69	2.40	0.72	2.25	0.68	1.89	0.57	1.79	0.54	1.50	0.45			
Castor	7.93	3.17	9.91	3.96	7.62	3.05	10.53	4.21	11.71	4.68	10.09	4.04	13.50	5.40			
Linseed	1.70	0.51	1.73	0.52	1.68	0.50	1.63	0.49	1.69	0.51	1.54	0.46	1.47	0.44			
Sub Total	243.54	60.67	279.79	69.06	242.89	59.00	297.55	69.64	277.18	66.56	248.83	58.88	324.79	76.27			
B. Secondary Source																	
Coconut	5.50		4.20		4.50		4.50		4.50		4.50		4.50		4.00		
Palm Oil		4.30		5.70		6.30			7.60		8.00			10.89			
Cottonseed		6.20		6.80		7.00			7.20		7.20			7.20			
Ricbran		3.50		4.30		3.50			4.00		4.00			4.20			
Solvent Extracted Oils		0.80		1.30		1.20			1.20		1.20			1.20			
Tree & Forest Origin		20.30		22.30		22.50			24.90		25.20			25.10			
Sub Total	80.97	91.36													27.49		
Total(A+B)	85.50	8.20													103.760		
C. Less: Exports & Industrial Use																	
D. Net Domestic Availability of Edible Oils	72.47	83.16															
E. Import of Edible Oils \$	45.42	42.88															
F. Total Availability/ Consumption of Edible Oils	117.89	126.04													167.69		

Table 4.26 (Contd)

	Oilseeds / Oils	2011-12			2012-13			2013-14			2014-15			2015-16			2016-17			
		Oilseeds (16)	Oils (17)	Oilseeds (18)	Oils (19)	Oilseeds (20)	Oils (21)	Oilseeds (22)	Oils (23)	Oilseeds (24)	Oils (25)	Oilseeds (26)	Oils (27)	Oilseeds (28)	Oils (29)	Oilseeds (27)	Oils (28)	Oilseeds (28)	Oils (29)	
A. Primary Source																				
Groundnut	69.64	16.02	46.95	108.0	97.14	22.34	74.02	17.02	67.33	15.27	74.62	17.16	91.79	20.82						
Rapeseed & Mustard	66.04	20.47	80.29	248.9	78.77	24.42	62.82	19.47	67.97	21.08	79.17	24.74	83.22	25.81						
Soybean	122.14	19.54	146.66	234.7	118.60	18.97	103.74	16.60	85.70	13.73	131.57	22.10	109.81	17.59						
Sunflower	5.16	1.70	5.44	1.80	5.04	1.66	4.34	1.43	2.96	0.98	2.51	0.80	2.11	0.70						
Sesameum	8.10	2.51	6.85	2.12	7.15	2.21	8.68	2.57	8.50	2.65	7.47	2.45	7.51	2.34						
Nigerseed	0.98	0.29	1.02	0.31	0.98	0.29	0.76	0.23	0.74	0.21	0.85	0.24	0.74	0.21						
Safflower	1.45	0.44	1.09	0.33	1.13	0.31	0.90	0.27	0.53	0.15	0.94	0.22	0.47	0.14						
Castor	22.95	9.18	19.64	7.86	17.27	6.91	18.70	7.48	17.52	6.16	13.76	4.99	15.68	5.51						
Linseed	1.52	0.46	1.49	0.45	1.41	0.41	1.55	0.47	1.25	0.32	1.84	0.39	1.75	0.44						
Sub Total	297.98	70.61	309.43	72.03	327.49	77.52	275.51	65.54	252.50	60.55	312.75	73.09	313.08	73.56						
B. Secondary Source																				
Coconut	-	4.00	-	3.90	-	5.30	-	4.80	-	4.32	-	5.20	-	6.01						
Palm Oil																				
Cottonseed	-	11.62	-	11.57	-	12.40	-	12.15	-	10.05	-	12.24	-	12.64						
Ricebran	-	7.50	-	7.8	-	8.10	-	9.20	-	9.90	-	10.31	-	10.69						
Solvent Extracted Oils	-	4.10	-	4.10	-	3.10	-	3.00	-	3.50	-	2.85	-	3.50						
Tree & Forest Origin	-	1.20	-	1.20	-	1.20	-	1.60	-	1.50	-	1.50	-	1.50						
Sub Total	-	28.42	-	28.57	-	30.10	-	32.46	-	31.25	-	34.40	-	36.54						
Total (A+B)	-	99.03	-	100.60	-	107.62	-	98.00	-	91.80	-	107.49	-	110.10						
C. Less Exports & Industrial Use	-	9.46	-	8.41	-	7.10	-	5.94	-	5.50	-	6.50	-	6.30						
D. Net Domestic Availability of Edible Oils	-	89.57	-	92.19	-	101.90	-	92.06	-	86.3	-	100.99	-	103.80						
E. Import of Edible Oils \$	-	99.43	-	106.05	-	109.76	-	138.53	-	148.50	-	153.17	-	119.44[#]						
F. Total Availability/ Consumption of Edible Oils	-	189.00	-	198.24	-	211.66	-	230.59	-	234.80	-	254.16	-	-						

Source- Directorate of Vanaspati, Vegetable Oils and Fats

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

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

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

Data for Nov 2017-Aug 2018

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

State	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18(P)	(Quantity in Tonnes)	
												(1)	(2)
Andhra Pradesh	38000	43593	57402	63487	97987	127570	161566	170478	193562	190999	234696		
Karnataka	1037	1170	1118	1459	1740	1770	1736	2176	2538	2051	2224		
Tamil Nadu	273	366	365	486	759	1035	820	1019	1222	1115	938		
Gujarat	NA	0	0	0	0	0	0	0	0	NA	NA		
Odisha	NA	476	589	871	2162	443	558	557	618	NA	NA		
Goa	342	393	279	329	394	372	371	388	581	NA	NA		
Tripura	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Assam	0	0	0	0	0	0	0	0	0	0	0		
Kerala	5750	7400	6600	6900	7500	7378	6303	6515	7015	5929	5191		
Andaman & Nicobar	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Mizoram	0	0	0	0	0	0	0	0	365	496	603		
Telangana	0	4770	5100	5655	8494	6825	9373	10012	12499	8947	27275		
Chhattisgarh	0	0	0	0	0	0	0	0	0	0	0		
Total	45403	58167	71453	79187	119036	145393	180727	191510	218531	209644	270972		

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

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

State	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18(P)	(Production in Tonnes)	
												(1)	(2)
Andhra Pradesh	226200	259495	347892	385009	573024	790881	933981	1007553	1147780	1137398	1427828		
Karnataka	5764	6685	6387	8337	9942	10112	9917	12638	14740	11912	12917		
Tamil Nadu	1659	1987	2080	2920	4743	5244	5495	6568	7810	7422	6995		
Gujarat	12	2	6	26	91	134	158	409	523	775	996		
Odisha	0	2799	3464	5128	12720	2920	3639	3769	4569	4965	6702		
Goa	1936	2236	1591	1878	2229	2056	2046	2146	3217	NA	NA		
Tripura	NA	0	NA	NA	NA	0	0	NA	NA	NA	NA		
Assam	0	0	0	0	0	0	0	0	0	0	0		
Kerala	29300	38400	35100	41000	43200	41350	38350	40798	40611	34198	30220		
Andaman & Nicobar	NA	NA	NA	NA	NA	0	0	NA	NA	NA	NA		
Mizoram	0	2	32	88	480	1339	1544	2096	3780	4796	5238		
Telangana	0	28190	29937	32176	46779	38624	52752	57873	75447	88119	147805		
Chhattisgarh	0	0	0	0	0	0	0	0	0	18	58		
Total	264871	339796	426488	476561	693207	892660	1047881	1133850	1298477	1289603	1638759		

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

Table 4.28(b): Target and Achievement of Area Expansion under ISOPOM, NMOOP and OPAE

State	2013-14			2014-15			2015-16			2016-17			2017-18 (P)	
	Target	Achievement	Target	Achievement	(10)	(11)								
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	
Andhra Pradesh	18081	10468	14000	9259	12500	5284	12500	6002	11500	6157				
Karnataka	6173	2858	3100	1911	2000	1151	1600	966	1500	1120				
Tamil Nadu	6166	1177	1600	398	1511	623	1500	801	1500	906				
Gujarat	1253	454	450	281	311	573	451	217	550	428				
Odisha	4000	2000	1246	1246	1744	1374	1260	1918	2050	812				
Goa	0	7	0	13	0	9	0	0	20	0				
Tripura	0	0	0	0	0	0	0	0	0	0				
Assam	0	0	1000	0	560	560	1500	465	1000	814				
Kerala	50	54	500	24	100	5	50	9	50	6				
Maharashtra	306	0	0	0	0	NA	0	0	0	0				
Mizoram	5000	4532	4000	2789	3361	2981	3000	1669	2400	896				
Chhattisgarh	318	212	250	250	1500	1500	2500	1288	1500	773				
Telangana	NA	1421	2000	972	2000	434	3000	673	2000	1412				
Arunachal Pradesh	0	0	0	0	1200	0	1500	750	1215	843				
Nagaland	0	0	0	0	550	140	1200	1032	1000	800				
Total	41347	23183	28146	17143	27337	14634	30061	15790	26285	14967				

Source: Department of Agriculture, Cooperation & Farmers Welfare

P : Provisional

NA- Not Available

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

NMOOP: National Mission on Oilseeds and Oil Palm

OPAE: Oil Palm Area Expansion

Table 4.28(c): State-wise Potential Area and Area covered under Oil Palm Cultivation upto 2017-18

State	Potential area (ha) re-assessed in 2012	(Area in Hectare)
		Total Cultivated Area up to March, 2018
(1)	(2)	(3)
Andhra Pradesh	419500	162689
Karnataka	260000	43517
Tamil Nadu	205000	31217
Gujarat	260250	5914
Odisha	56000	21575
Goa*	2000	953
Tripura*	7000	530
Assam	25000	1849
Kerala	6500	5784
Maharashtra*	180000	1474
Andaman & Nicobar*	3000	1593
Mizoram	61000	28306
Chhattisgarh	48000	4223
Telangana	50000	18287
Arunachal Pradesh	25000	1593
Nagaland	50000	1972
West Bengal*	25000	0
Meghalaya	50000	0
Bihar*	200000	0
Total	1933250	331476

Source: Department of Agriculture, Cooperation & Farmers Welfare

* NFSM-OP is not being implemented

4 (B)

Yield Rates of Principal Crops

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

Crops	Season	Yield (Kg/hectare)													
		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Rice	Autumn	1349	2804	2892	3107	2186	1776	1938	NA	2158	1645	NA	NA	NA	NA
	Winter	1795	2000	1892	1968	1939	2338	2257	NA	NA	2310	NA	NA	NA	NA
Kharif	2199	1963	2138	2054	2053	2050	2399	NA	2434	2335	NA	2417	2477		
Total Kharif		1990	2024	2095	2082	2019	2121	2311	2373	2319	2295	2305	2417	2477	
Rabi/Summer	3127	3130	3149	3010	3055	3173	3238	3353	3232	3291	3382	3230	3230	3474	
Total	2102	2131	2202	2178	2125	2239	2393	2461	2416	2391	2400	2494	2578		
Wheat	Rabi	2619	2708	2802	2907	2839	2989	3177	3117	3145	2750	3034	3200	3371	
Jowar	Kharif	1082	992	1176	1055	853	1119	1257	1171	1050	1014	850	954	1106	
	Rabi	726	727	894	904	865	827	741	644	896	808	615	730	931	
Total	880	844	1021	962	860	949	957	850	957	884	697	812	998		
Bajra	Kharif	802	886	1042	1015	731	1079	1171	1198	1184	1255	1132	1305	1237	
Maize	Kharif	1799	1660	2122	2048	1740	2285	2234	2346	2249	2236	2236	2413	2656	
	Rabi/Summer	3076	3793	3854	4387	3694	4003	3765	4152	4050	4414	4006	3897	4583	
Total	1938	1912	2335	2414	2024	2540	2478	2566	2676	2632	2563	2689	3032		
Ragi	Kharif	1534	1226	1552	1477	1489	1705	1641	1392	1661	1706	1601	1363	1649	
Small Millets	Kharif	443	475	530	491	460	553	565	578	630	654	602	714	832	
Barley	Rabi	1938	2055	1985	2394	2172	2357	2516	2521	2718	2280	2439	2663	2679	
Nutri Cereals	Kharif	1178	1144	1410	1371	1119	1500	1563	1583	1619	1633	1544	1708	1819	
	Rabi	1152	1316	1510	1735	1525	1641	1689	1725	2034	1915	1686	1885	2350	
Total		1172	1182	1431	1459	1212	1531	1590	1617	1717	1703	1579	1750	1941	

(Contd.)

Table 4.1.1 (Contd.)

Crops	Season	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
Cereals	Kharif	1693	1706	1846	1841	1693	1893	2056	2116	2089	2081	2065	2188	2266
	Rabi	2427	2526	2645	2721	2649	2800	2969	2931	2995	2681	2862	3010	3238
Total	1968	2020	2151	2183	2075	2256	2415	2449	2462	2331	2393	2525	2661	
Tur (Arhar)	Kharif	765	650	826	671	711	655	662	776	813	729	646	913	960
Gram	Rabi	808	845	762	895	915	895	928	1036	960	889	840	974	1063
Urad	Kharif	386	412	475	419	363	557	523	606	490	516	459	626	631
	Rabi	540	640	405	506	586	489	621	682	768	891	773	656	768
Total	419	470	457	440	418	542	549	623	555	604	537	632	655	
Moong	Kharif	277	328	410	348	180	538	475	400	409	428	363	488	438
	Rabi	414	434	400	423	409	404	508	538	620	640	554	546	587
Total	304	349	409	364	226	513	483	438	474	498	416	500	472	
Lentil	Rabi	628	621	622	693	697	591	678	797	759	705	765	838	1034
Other Kharif Pulses	Kharif	237	309	405	367	200	511	420	377	409	474	385	409	436
Other Rabi Pulses	Rabi	687	654	674	737	753	708	765	840	816	833	766	867	935
Pulses	Kharif	456	449	557	478	397	578	541	594	580	573	489	667	664
	Rabi	727	751	688	804	823	790	831	934	891	843	796	898	999
Total	598	612	625	659	630	691	699	789	764	728	656	786	841	
Foodgrains	Kharif	1511	1522	1645	1654	1496	1669	1821	1892	1864	1862	1808	1890	1953
	Rabi	2020	2091	2174	2263	2202	2278	2430	2431	2435	2232	2341	2441	2596
Total	1715	1756	1860	1909	1798	1930	2078	2129	2120	2028	2041	2129	2233	

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

Table 4.1.2 : Kharif Foodgrains: State-wise yield

State/UT	Yield (Kg/hectare)												
	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Andhra Pradesh	2167	2073	2630	2466	1978	2143	2449	2569	2299	2352	2387	2558	2800
Arunachal Pradesh	1201	1204	1234	1249	1568	1674	1780	1803	1818	1915	1476	1706	NA
Assam	1409	1210	1283	1514	1647	1783	1673	1875	1885	1936	1924	1759	1966
Bihar	1096	1469	1197	1574	1145	1118	2152	2263	1758	1966	2111	2444	2431
Chhattisgarh	1212	1236	1335	1100	1048	1539	1481	1633	1662	1562	1431	1994	1230
Goa	2793	2440	2254	2454	2131	2452	2564	2583	2814	2902	2818	2781	NA
Gujarat	1238	1037	1380	1311	1204	1374	1403	1631	1547	1715	1668	1680	1790
Haryana	2214	2466	2629	2283	2428	2323	2609	2801	2837	2714	2697	2783	2725
Himachal Pradesh	1652	2044	2448	2008	1650	2037	2160	2002	2017	1842	2274	2418	2031
Jammu & Kashmir	1656	1691	1710	1935	1611	1713	1706	2161	1877	1436	1894	1816	1792
Jharkhand	1077	1595	1772	1785	1344	1250	1881	1941	1969	1957	1592	1943	2067
Karnataka	1934	1470	1670	1682	1526	1940	1882	1732	1814	1933	1735	1534	1752
Kerala	2214	2329	2227	2348	2456	2329	2588	2475	2498	2712	2681	2447	2550
Madhya Pradesh	963	792	903	931	902	957	1115	1279	1264	1413	1537	1629	1667
Maharashtra	1077	1093	1272	1084	1085	1329	1374	1281	1412	1104	920	1449	1413
Manipur	2241	2241	2348	2285	1832	2371	2541	2263	2094	2323	2565	3676	NA
Meghalaya	1405	1632	1556	1599	1623	1616	1688	1745	2195	2361	2385	1726	NA
Mizoram	1745	767	263	887	1014	1223	1351	1779	1503	1609	1650	1626	NA

(Contd.)

Table 4.1.2 (Contd.)

State/UT	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18*	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Nagaland	1614	1503	1589	1846	1264	1965	1974	2029	2083	2130	1628	1653	NA	
Odisha	1346	1352	1486	1342	1385	1410	1258	1575	1582	1730	1290	1873	1541	
Punjab	3765	3792	3952	3961	3960	3804	3735	3970	3939	3822	3952	3977	4333	
Rajasthan	505	637	820	804	376	864	844	890	789	1000	751	842	813	
Sikkim	1403	1403	1451	1397	1588	1523	1516	1547	1585	1586	1512	1623	NA	
Tamil Nadu	2025	2805	2347	2344	2671	2598	3440	2336	2765	2920	3415	1715	3510	
Telangana	-	-	-	-	-	-	-	-	-	2419	2197	2243	2450	
Tripura	2169	2433	2549	2684	2639	2545	2542	2664	2637	2753	2701	2649	NA	
Uttar Pradesh	1697	1628	1784	1904	1761	1827	2057	2142	2130	1855	1873	2015	2031	
Uttarakhand	1551	1606	1633	1580	1577	1535	1670	1693	1725	1796	1828	1853	1932	
West Bengal	2350	2356	2302	2415	2371	2457	2520	2551	2559	2495	2698	2564	2726	
A & N Islands	2879	2870	3013	2802	2947	2843	2878	2713	2033	2077	2217	2569	NA	
D & N Haveli	1545	1545	1545	1529	1018	1637	1544	1664	1607	1601	2170	2168	NA	
Delhi	2054	2492	2372	2403	2210	2365	2279	2308	3435	2995	2341	2224	NA	
Daman & Diu	2056	2056	1739	2054	1652	1609	1650	1669	1754	2621	1184	1132	NA	
Puducherry	2372	2372	2488	2308	2459	2558	2488	2794	3053	2737	2510	2913	NA	
Others	NA	2347												
All India	1511	1522	1645	1654	1496	1669	1821	1892	1864	1862	1808	1890	1953	

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

Table 4.1.3 : Rabi Foodgrains: State-wise yield

State/UT	Yield (Kg/hectare)												
	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Andhra Pradesh	2669	2452	2590	3123	2677	3052	2622	2805	3108	2966	2744	2675	3070
Arunachal Pradesh	1390	1402	1348	1340	1491	1653	1744	1399	1504	1626	1480	1517	NA
Assam	1446	1594	1774	1704	1726	1684	1829	2293	2029	2333	2274	2222	2235
Bihar	1563	1876	1966	1991	1943	1826	2035	2480	2310	1961	2318	2507	2670
Chhattisgarh	572	661	708	702	770	786	797	857	728	1000	775	1049	860
Goa	1067	1383	1892	1042	1093	1063	839	2073	2462	2098	2663	2213	NA
Gujarat	2298	2123	2660	2117	2308	2581	2542	2510	2755	2434	2552	2409	2471
Haryana	3651	4066	3983	4209	4079	4448	4782	4263	4514	3887	4285	4455	4359
Himachal Pradesh	1813	1373	1377	1498	929	1532	1654	1696	1907	1953	1963	2074	1741
Jammu & Kashmir	1740	1829	1713	1671	980	1490	1656	1550	1990	970	1907	1608	1629
Jharkhand	1016	1173	1162	1246	1258	1296	1389	1540	1543	1447	1302	1476	1519
Karnataka	1464	980	1301	1231	1139	1236	1154	1111	1270	1278	808	897	1018
Kerala	2268	2338	2197	2754	2517	2625	3052	2769	2634	3190	2995	2808	2825
Madhya Pradesh	1234	1398	1174	1306	1475	1271	1711	1874	1765	2095	2159	2134	2157
Maharashtra	778	827	992	915	988	1019	853	719	991	864	628	1031	1083
Manipur	3273		510	510	996	1224	1822	1645	1277	1271	1323	NA	
Meghalaya	1886	1587	3463	3138	3163	3163	3228	3826	3872	3500	3512	2527	NA
Mizoram	1939	1174	1286	1263	2038	1902	1992	1435	1551	1571	981	1695	NA

(Contd.)

Table 4.1.3 (Contd.)

State/UT	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18*	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Nagaland	1622	1414	1188	1304	1077	1528	1528	1351	1475	1512	1415	1427	NA	
Odisha	1372	4197	1467	1520	1496	1588	1661	1713	1935	1797	1613	1727	1623	
Punjab	4165	2224	4495	4452	4298	4683	4888	4661	4972	4252	4547	4676	5060	
Rajasthan	1998	1142	2013	2370	2456	2115	2390	2458	2221	2362	2633	2392	2515	
Sikkim	1142	1923	940	1119	1024	942	1042	1027	1043	1045	1065	1072	NA	
Tamil Nadu	1203	2304	1437	1817	1827	1759	2317	1499	2032	2264	2229	782	2311	
Telangana	NA	3408	2813	3219	3618									
Tripura	2272	2392	2599	2183	2344	2713	2872	2869	2827	2869	2994	2871	NA	
Uttar Pradesh	2327	1946	2534	2714	2561	2809	2827	2840	2747	2057	2451	2829	2996	
Uttarakhand	1544	2858	1969	1880	2022	2217	2291	2302	2323	1830	2188	2481	2605	
West Bengal	2593	500	2994	2665	2855	2881	2953	3126	3098	3142	3075	3131	3072	
A & N Islands	500	975	571	571	606	442	575	508	483	538	650	306	NA	
D & N Haveli	975	4333	975	974	953	1046	1068	1139	1130	1147	4699	1482	NA	
Delhi	4290	846	4347	4313	4362	4325	4344	4412	4408	4416	4399	4425	NA	
Daman & Diu	846	1785	846	846	846	NA								
Puducherry	1785	2091	1455	1973	1935	1920	1545	2309	2710	3445	1858	3073	NA	
Others	NA	2075	NA											
All India	2020	2091	2174	2263	2202	2278	2430	2431	2435	2232	2341	2441	2596	

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

Table 4.1.4 : Total Foodgrains: State-wise yield

State/UT	Yield (Kg/hectare)												
	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Andhra Pradesh	2365	2231	2613	2744	2294	2530	2519	2670	2661	2648	2571	2611	2934
Arunachal Pradesh	1212	1216	1241	1255	1555	1673	1778	1772	1795	1889	1476	1687	NA
Assam	1416	1286	1378	1551	1662	1763	1704	1962	1916	2021	1997	1857	2025
Bihar	1311	1656	1546	1766	1530	1479	2098	2366	2018	1964	2208	2473	2542
Chhattisgarh	1111	1148	1238	1041	1008	1424	1384	1506	1523	1474	1334	1846	1178
Goa	2509	2254	2091	2231	1990	2264	2272	2361	2659	2545	2767	2551	NA
Gujarat	1551	1423	1831	1595	1560	1843	1874	1970	2097	2016	2000	1952	2078
Haryana	3045	3393	3420	3388	3383	3526	3879	3689	3855	3427	3648	3736	3657
Himachal Pradesh	1731	1714	1918	1757	1297	1787	1911	1849	1962	1896	2122	2249	1888
Jammu & Kashmir	1680	1733	1711	1851	1405	1639	1690	1962	1915	1275	1898	1749	1740
Jharkhand	1073	1550	1709	1720	1330	1257	1798	1876	1891	1871	1546	1856	1957
Karnataka	1776	1289	1548	1511	1377	1684	1629	1488	1620	1689	1354	1333	1466
Kerala	2219	2331	2221	2440	2470	2399	2695	2547	2530	2823	2756	2532	2617
Madhya Pradesh	1130	1167	1069	1168	1285	1162	1510	1676	1603	1856	1941	1947	1963
Maharashtra	948	940	1150	1001	1039	1184	1155	1038	1207	988	781	1239	1259
Manipur	2241	2241	2297	2236	1796	2244	2397	1926	1740	1506	1468	1726	NA
Meghalaya	1455	1800	1774	1783	1809	1803	1873	1997	2389	2532	2555	1846	NA
Mizoram	1754	822	285	898	1047	1246	1382	1756	1506	1607	1595	1629	NA

(Contd.)

Table 4.1.4 (Contd.)

State/UT	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18*	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Nagaland	1615	1482	1567	1811	1256	1958	1967	2018	2065	1606	1629	NA	NA	
Odisha	1349	1369	1484	1363	1262	1432	1303	1592	1625	1738	1330	1855	1550	
Punjab	3986	1359	4255	4231	4144	4280	4364	4347	4500	4054	4269	4353	4715	
Rajasthan	919	4017	1180	1263	931	1249	1348	1480	1334	1529	1390	1359	1377	
Sikkim	1354	991	1378	1351	1496	1448	1495	1538	1577	1579	1507	1616	NA	
Tamil Nadu	1847	1354	2125	2225	2477	2393	3162	2131	2554	2720	3063	1406	3138	
Telangana	NA	2723	2353	2576	2893									
Tripura	2194	2610	2563	2526	2544	2587	2620	2711	2680	2783	2775	2709	NA	
Uttar Pradesh	2057	2399	2206	2365	2236	2386	2498	2542	2484	1972	2198	2475	2585	
Uttarakhand	1548	2057	1785	1715	1780	1841	1945	1962	1995	1811	1989	2136	2233	
West Bengal	2423	1760	2525	2493	2522	2601	2645	2717	2721	2698	2819	2738	2839	
A & N Islands	2713	2511	2485	2343	2399	2282	2512	2413	1930	1783	1926	2037	NA	
D & N Haveli	1445	2746	1445	1434	1006	1533	1453	1585	1534	1531	2177	2152	NA	
Delhi	3175	1445	3340	3348	3649	3647	3567	3531	4057	3908	3650	3652	NA	
Daman & Diu	1548	3405	1417	1740	1361	1333	1650	1669	1754	2621	1184	1132	NA	
Puducherry	2180	1548	2130	2201	2297	2351	2269	2650	2953	2899	2285	2960	NA	
Others	NA	2262												
All India	1715	1756	1860	1909	1798	1930	2078	2129	2120	2028	2041	2129	2233	

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

Table 4.1.5 : Rice: State wise Yield

Crops	Season	2005-06						Yield (Kg/hectare)						
		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Andhra Pradesh	Kharif	2525	2631	3177	2990	2742	2570	2980	2882	2552	2594	2934	3194	3366
	Rabi	3659	3682	3651	3700	3543	3777	3543	3806	3496	3943	4440	4440	4720
	Total	2939	2984	3344	3246	3062	3035	3148	3173	2921	3022	3465	3540	3792
Arunachal Pradesh	Kharif	1195	1195	1275	1293	1777	1925	2065	2086	2092	2241	1584	1680	NA
	Autumn	999	887	983	1069	966	1137	1217	1296	1753	1431	-	-	-
	Winter	1520	1302	1359	1616	1796	1910	1757	1968	1921	1975	-	-	-
Kharif Total		1421	1218	1293	1525	1662	1799	1688	1892	1903	1923	1915	1746	1959
Summer/Rabi		1779	2019	2266	2133	2185	2082	2297	2965	2572	2940	2818	2773	2844
Total		1468	1332	1428	1614	1737	1843	1780	2061	2012	2093	2062	1916	2107
Bihar	Autumn	940	962	635	1331	947	896	1399	1521	1442	1194	-	-	-
	Winter	1090	1584	1332	1647	1132	1100	2322	2420	1865	2108	-	-	-
	Kharif Total	1064	1486	1226	1596	1101	1063	2160	2268	1741	1941	2095	2462	2429
Summer/Rabi		1369	1499	1561	1689	1737	2085	1912	2719	2342	2207	2472	2660	1631
Total		1075	1486	1237	1599	1120	1095	2155	2282	1759	1948	2104	2467	2409
Chattisgarh	Kharif	1337	1354	1446	1176	1120	1663	1597	1746	1766	1660	1517	2101	1256
	Autumn	2866	2406	2277	2335	1900	2358	2521	2599	2828	2919	2830	2791	NA
	Winter	2731	2566	2430	2752	2600	2677	2688	2853	3202	2777	2687	2738	NA
Total Kharif		2922	2458	2330	2466	2136	2467	2577	2679	2954	2871	2783	2774	NA
Gujarat	Kharif	1949	1799	1895	1698	1866	1956	2024	2095	2038	2297	2148	2238	2317

(Contd.)

Table 4.1.5 (Contd.)

Crops	Season	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
	Summer/Rabi	-	-	2970	3080	3048	908	3190	4586	3000	3129	3548	3273	3346
Total		1949	1894	1942	1744	1903	1852	2141	2198	2076	2329	2205	2306	2379
Haryana	Kharif	3051	3238	3361	2726	3008	2789	3044	3272	3256	3113	3061	3213	3181
Himachal Pradesh	Kharif	1412	1559	1546	1523	1381	1673	1705	1629	1625	1728	1763	1968	1580
Jammu & Kashmir	Kharif	2150	2194	2133	2186	1914	1942	2078	3126	2250	1871	2123	2019	2128
Jharkhand	Autumn	628	-	-	-	-	-	2131	2238	2238	-	-	-	-
	Winter	1223	-	-	-	-	-	NA	NA	NA	-	-	-	-
Kharif Total		1150	1832	2024	2036	1547	1541	2131	2238	2238	2238	1814	2238	2350
Rabi	-	-	1000	1504	1504	-	NA	NA	-	-	-	2912	-	-
Total		1150	1828	2018	2031	1546	1541	2131	2238	2238	2238	1814	2241	2350
Karnataka	Kharif	3657	2402	2545	2412	2345	2705	2717	2545	2545	2573	2704	2487	2878
	Rabi	3200	2227	2100	2146	2237	2189	2186	1588	1588	2458	2850	2848	2970
	Summer	4574	2761	2948	2883	2945	2838	3227	3381	3433	3058	-	-	-
	Rabi/ Summer	4423	2690	2855	2805	2875	2759	3077	3030	3077	2969	-	-	-
Total		3868	2470	2625	2511	2482	2719	2793	2632	2666	2670	2722	2519	2900
Kerala	Autumn	2162	2264	2169	2428	2486	2415	2519	2548	2625	2890	-	-	-
	Winter	2299	2408	2371	2370	2533	2348	2675	2451	2426	2596	-	-	-
	Kharif Total	2246	2352	2286	2395	2514	2377	2609	2492	2511	2719	2698	2451	2554
	Summer/Rabi	2726	2622	2407	2980	2719	2689	3155	2846	2682	3234	3094	2883	2918
Total		2284	2390	2310	2519	2557	2452	2733	2577	2551	2836	2790	2550	2639

(Contd.)

Table 4.1.5 (Contd.)

Crops	Season	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18'
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
Madhya Pradesh	Kharif	999	824	938	927	872	1106	1340	1474	1474	1684	1752	1840	2026
Maharashtra	Kharif	1770	1669	1898	1489	1474	1766	1837	1965	1924	1880	1711	2011	1836
	Rabi	2098	2105	2128	2273	2250	2219	2074	1897	2289	2581	2375	2328	2179
	Total	1779	1680	1903	1501	1485	1776	1841	1963	1934	1899	1725	2025	1842
Manipur	Kharif	2322	2322	2446	2357	1889	2453	2642	2546	2201	2678	2670	3837	NA
Meghalaya	Kharif	1432	1695	1602	1651	1673	1671	1752	1807	2241	2436	2460	1649	NA
	Rabi	2214	4000	4147	3641	3679	3705	3762	4510	4326	4603	4608	3090	NA
	Total	1508	1916	1880	1886	1910	1912	1988	2125	2493	2703	2726	1826	NA
Mizoram	Kharif	1770	510	285	882	938	1160	1392	2091	1521	1634	1659	1663	NA
	Rabi	2600	1682	1000	2000	1500	NA	3000	1933	1600	2313	2550	2213	NA
	Total	1778	559	288	885	939	1160	1411	2088	1522	1643	1671	1669	NA
Nagaland	Kharif	1682	1600	1685	1994	1426	2102	2106	2204	2260	2319	1581	1624	NA
Odisha	Autumn	872	1011	1097	1040	900	831	778	948	762	820	-	-	-
	Winter	1623	1580	1750	1541	1635	1658	1433	1849	1857	2076	-	-	-
	Kharif Total	1482	1476	1633	1455	1512	1516	1340	1715	1697	1886	1373	2075	1672
	Summer	2163	2293	2447	2451	2713	2959	3213	3165	3422	3342	3356	3531	3439
	Total	1531	1534	1694	1529	1585	1616	1450	1814	1821	1992	1491	2160	1765
Punjab	Kharif	3858	3868	4019	4022	4010	3828	3741	3998	3952	3838	3974	3998	4366
Rajasthan	Kharif	1425	1577	2031	1807	1515	2025	1886	1771	2147	2186	2022	2289	2365
Sikkim	Kharif	1433	1433	1636	1476	1869	1727	1730	1790	1815	1818	1230	1847	NA
Tamil Nadu	Autumn	3655	4914	4044	3850	4406	4362	5623	3893	4448	4578	-	-	-

(Contd.)

Table 4.1.5 (Contd.)

Crops	Season	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
	Winter	2338	3144	2587	2464	2820	2792	3599	2492	2848	2931	-	-	-
Kharif Total	2483	3339	2748	2617	2994	2965	3821	2646	3024	3113	3666	1610	3830	
	Summer	3216	4325	3559	3389	3878	3838	4950	3426	3916	4031	4745	1967	4906
Total	2546	3423	2817	2683	3070	3040	3918	2712	3100	3191	3758	1642	3923	
Telangana	Kharif	-	-	-	-	-	-	-	-	2990	2933	2992	2814	
	Rabi/Summer	-	-	-	-	-	-	-	-	-	3414	2862	3169	3587
	Total	-	-	-	-	-	-	-	-	-	3138	2913	3075	3176
Tripura	Autumn	1705	1915	2172	2465	2189	2424	2432	2548	2596	2690	-	-	NA
	Winter	2384	2678	2687	2788	2772	2638	2647	2773	2773	2873	-	-	NA
Kharif Total	2225	2500	2609	2747	2698	2602	2611	2736	2743	2843	2882	2841	NA	
	Summer	2372	2392	2698	2234	2409	2817	2992	3020	2995	3087	3130	3221	NA
Total	2260	2472	2633	2586	2606	2655	2700	2800	2800	2903	2946	2940	NA	
Uttar Pradesh	Kharif	1996	1878	2062	2171	2083	2120	2357	2459	2446	2070	2130	2293	2280
	Rabi/Summer	2179	2278	2526	2091	2270	2316	2458	2583	2593	2500	2720	2846	2846
Total	1996	1879	2063	2171	2084	2120	2358	2460	2447	2072	2133	2295	2283	
Uttarakhand	Kharif	1925	1952	1993	1907	2025	1820	2056	2152	2233	2260	2341	2329	2536
	Zaid/Rabi	2889	2875	3308	3067	2813	3309	3357	3208	3327	3148	3845	3800	3769
Total	1954	1979	2052	1966	2068	1901	2121	2206	2289	2307	2420	2414	2599	
West Bengal	Autumn	2102	2026	2009	2069	2181	2138	2213	2297	2612	2278	-	-	-
	Winter	2397	2411	2350	2465	2408	2507	2565	2596	NA	2536	-	-	-
Kharif Total	2378	2386	2327	2439	2396	2485	2547	2581	2612	2526	2735	2598	2771	

(Contd.)

Table 4.15 (Contd.)

Crops	Season	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
	Summer	2928	3226	3259	2800	2991	3039	3174	3372	3366	3377	3380	3393	3400
Total		2509	2593	2573	2533	2547	2639	2688	2760	2788	2730	2888	2784	2926
A & N Islands	Kharif	2896	2896	3000	2797	3059	2851	2960	2739	2029	2040	2203	2583	NA
D & N Haveli	Kharif	1743	1743	1743	1721	1076	1930	1739	1928	1876	1867	2333	2200	NA
Delhi	Kharif	3200	4203	4243	4243	2834	2787	2885	2936	4906	4288	2862	2890	NA
Daman & Diu	Kharif	2056	2056	1750	2111	1650	1650	1650	1712	1805	2270	1139	1139	NA
Puducherry	Autumn	2810	2810	2932	2733	2903	2875	3017	3270	3554	3247	-	-	NA
	Winter	2195	2195	2465	2142	2272	2435	2273	2602	2867	2928	-	-	NA
Kharif Total		2387	2387	2595	2310	2458	2561	2490	2792	3056	3020	2584	2988	NA
Summer		2719	2719	2696	2860	2647	2712	2886	3075	3438	3621	3057	3900	NA
Total		2465	2465	2618	2442	2504	2596	2538	2857	3147	3164	2698	3219	NA
Others	Kharif	-	-	-	-	-	-	-	-	-	-	-	-	2429
	Rabi	-	-	-	-	-	-	-	-	-	-	-	-	2058
	Total	-	-	-	-	-	-	-	-	-	-	-	-	2322
All India	Autumn	1349	2804	2892	3107	2186	1776	1938	1674	1891	1645	-	-	-
	Winter	1795	2000	1892	1968	1939	2338	2257	2283	2219	2310	-	-	-
Kharif	2199	1963	2138	2054	2053	2051	2399	2477	2434	2335	-	-	2477	
Kharif Total		1990	2024	2095	2082	2019	2121	2311	2373	2319	2295	2305	2417	2477
Summer/Rabi		3127	3130	3149	3010	3055	3176	3238	3353	3232	3291	3382	3230	3474
Total		2102	2131	2202	2178	2125	2239	2393	2461	2416	2391	2400	2494	2578

Source: Directorate of Economics & Statistics, DAC&FW

*4th Advance Estimates. NA- Not Available

Table 4.1.6 : Wheat: State-wise Yield

State/UT	Yield (Kg/hectare)												
	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Andhra Pradesh	818	900	889	1143	1000	1300	1375	1250	500	NA	NA	NA	NA
Arunachal Pradesh	1525	1575	1472	1576	1505	1595	1757	1498	1510	1974	1969	1969	NA
Assam	1074	1117	1268	1090	1087	1179	1147	1304	1292	1216	1634	1344	1381
Bihar	1617	1908	2058	2043	2084	1948	2206	2427	2358	1851	2244	2427	2816
Chhattisgarh	886	1002	1059	1040	1086	1144	1227	1396	1304	1388	1270	1391	1289
Gujarat	2700	2498	3013	2377	2679	3155	3014	2875	3255	2751	2919	2751	2932
Haryana	3844	4232	4158	4390	4213	4624	5030	4452	4722	3981	4407	4514	4412
Himachal Pradesh	1894	1385	1376	1520	928	1530	1671	1671	1873	1957	1958	2033	1734
Jammu & Kashmir	1790	1893	1782	1735	1003	1535	1689	1595	2061	979	1947	1638	1654
Jharkhand	1340	1529	1621	1541	1738	1642	1908	1944	2123	1931	1835	2011	2126
Karnataka	858	762	946	918	887	1094	858	796	1005	1318	897	1018	1047
Madhya Pradesh	1613	1835	1612	1723	1967	1757	2360	2478	2405	2850	2993	2976	2993
Maharashtra	1393	1325	1659	1483	1610	1761	1558	1528	1460	1226	1077	1474	1761
Meghalaya	1714	2000	1833	1750	1773	1791	1564	1806	1881	1909	1953	1913	NA

(Contd.)

Table 4.1.6 (Contd.)

State/UT	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Nagaland	1583	867	1067	1500	1200	1712	1711	1801	1823	1824	1831	1840	NA
Odisha	1364	1487	1554	1396	1450	1458	1644	1894	1574	1650	1324	1333	1333
Punjab	4179	4210	4507	4462	4307	4693	4898	4724	5017	4294	4583	4704	5090
Rajasthan	2762	2751	2749	3175	3133	2910	3175	3028	3083	2961	3175	3175	3270
Sikkim	1385	1385	1000	1345	1135	1023	1060	1058	1083	1077	1094	1078	NA
Telangana	NA	1167	1696	1400	1500								
Tripura	2636	1800	1900	2000	1984	2025	2000	2000	2000	2143	2236	2300	NA
Uttar Pradesh	2627	2721	2817	3002	2846	3113	3113	3113	3038	2277	2636	3113	3269
Uttarakhand	1633	2049	2050	2003	2139	2316	2379	2396	2422	1881	2258	2587	2727
West Bengal	2109	2282	2602	2490	2680	2760	2765	2786	2791	2807	2825	2682	2667
D & N Haveli	1833	1833	1833	1833	1500	2231	1929	2000	2000	2071	2500	2300	NA
Delhi	4339	4341	4354	4351	4352	4340	4349	4406	4418	4419	4419	4434	NA
Others	NA	4403											
All India	2619	2708	2802	2907	2839	2989	3177	3117	3145	2750	3034	3200	3371

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

Table 4.1.7: Bajra: State-wise Yield

State/UT	Yield (Kg/hectare)												
	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Andhra Pradesh	1012	770	1243	1017	1178	1507	1349	1657	1597	1357	1806	1714	1917
Bihar	1070	1073	1111	1200	1108	1102	1113	1142	1136	1134	1133	1135	1134
Gujarat	1169	1088	1419	1365	1232	1250	1419	1743	1743	1677	2004	2160	2312
Haryana	1147	1649	1843	1769	1593	1793	2040	1910	2057	1749	1762	2017	1602
Himachal Pradesh	333	500	500	500	1083	500	542	555	545	537	560	501	500
Jammu & Kashmir	600	591	595	592	629	598	591	598	595	594	590	592	617
Jharkhand	500	500	0	1000	574	704	520	474	515	500	528	667	657
Karnataka	977	483	824	703	502	1081	972	1036	1182	1060	875	1054	1241
Madhya Pradesh	1491	1365	1402	1373	1495	1898	1924	1568	2003	1978	2315	2431	2435
Maharashtra	720	729	878	765	741	1085	982	637	1034	622	416	955	903
Nagaland	1000	NA	NA	NA	857	862	1015	1014	1014	1014	1014	1014	NA
Odisha	552	583	593	600	604	636	615	610	611	613	611	614	619

(Contd.)

Table 4.1.7 (Contd.)

State/UT	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Punjab	1000	1000	1000	1333	1000	1000	1000	1000	NA	NA	NA	583	600
Rajasthan	556	701	832	828	394	832	915	972	818	1093	872	1001	886
Tamil Nadu	1158	1511	1435	1483	1512	1564	2452	1326	2158	3077	2747	2059	2401
Telangana	NA	NA	NA	NA	NA	NA	NA	NA	NA	1000	833	882	1111
Uttar Pradesh	1434	1455	1520	1609	1638	1665	1839	1951	2033	1899	1821	1914	1941
West Bengal	NA	NA	NA	0	434	375	367	429	286	313	306	293	300
Puducherry	2500	2500	1000	1000	1850	2324	2667	NA	NA	NA	2429	NA	NA
Delhi	1824	1813	1875	1933	1917	1852	1868	1875	2513	2132	2511	2190	NA
Daman & Diu	NA	NA	NA	2000	1667	1333	NA	1361	1393	3922	1369	1101	NA
Others	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1679
All India	802	886	1042	1015	731	1079	1171	1198	1184	1255	1132	1305	1237

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

Table 4.1.8: Maize: State-wise Yield

Crops	Season	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
Andhra Pradesh	Kharif	5538	2412	4125	3147	1986	3730	2812	4145	3487	3290	3680	4176	4682
	Rabi	5994	6195	5543	7302	6281	7615	6502	6174	6558	7926	7184	7867	7865
Arunachal Pradesh	Kharif	Total	4073	3396	4607	4873	3527	5317	4234	4995	4833	6396	6056	6612
	Rabi	1373	1363	1338	1365	1363	1397	1434	1423	1423	1533	1532	1472	NA
Assam	Kharif	Total	1382	1371	1344	1371	1380	1435	1473	1436	1467	1563	1542	1500
	Rabi	721	778	722	724	726	722	719	897	898	3333	3070	2911	3000
Bihar	Autumn/Kharif	1518	1532	956	1518	1773	1806	2358	2476	2103	2476	2559	2586	2851
	Rabi	2641	3597	2766	3394	2660	2467	2404	4309	3358	3854	4201	4309	4005
	Summer/Garma	2385	3249	3741	NA									
	Total	2098	2678	2274	2676	2341	2230	2386	3611	2884	3313	3571	3732	3623
Chhattisgarh	Kharif	1076	1225	1567	1402	1399	1807	1654	1936	2062	1886	1693	2691	2380
Goa	Kharif	5000	5000	6000	6000	NA								
Gujarat	Kharif	1124	698	1375	1439	964	1636	1393	1676	1267	1558	1326	1683	1554
Haryana	Kharif	Rabi	NA	NA	1700	1593	1645	1915	1953	2023	2000	1989	2023	2000
	Total	NA	NA	NA	1481	1072	1637	1523	1727	1477	1652	1478	1780	1663
Himachal Pradesh	Kharif	2125	2286	2643	2159	2250	1900	2667	2556	3000	2250	2833	3400	3167
Jammu & Kashmir	Kharif	1839	2326	2873	2273	1839	2263	2432	2233	2228	1979	2507	2672	2268
Jharkhand	Autumn	1413	1505	1569	2005	1566	1712	1608	1648	1776	1204	1782	1833	1653
	Rabi	1622	1806	1722	2123	1858	2061	1970	2689	1807	1530	1794	1796	2063

(Contd.)

Table 4.1.8 (*Contd.*)

Crops	Season	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
Karnataka	Total	1315	1230	1509	1407	1168	1215	1492	1812	2012	1763	1332	1923	1996
Kharif	Kharif	2919	2839	2893	2821	2415	3515	3022	2563	2872	3131	2734	2367	2732
Rabi	Rabi	3000	2658	3231	2861	2500	2845	3084	3106	3099	3354	2535	3037	2983
Summer	Summer	2000	3125	3300	3143	2750	3323	NA						
Total	Total	2915	2829	2924	2833	2430	3450	3028	2629	2894	3152	2713	2419	2755
Madhya Pradesh	Kharif	1450	976	1288	1361	1256	1266	1492	1790	1767	1880	2350	2585	2585
Maharashtra	Kharif	2134	1996	2706	2405	2275	3022	2890	2296	2856	1868	1681	3246	3243
Rabi	Rabi	1976	1924	2426	2257	2455	2456	2110	1820	2346	2558	1799	2558	2381
Total	Total	2106	1983	2664	2382	2302	2920	2762	2219	2727	2045	1712	3009	3062
Manipur	Kharif	2724	2724	2800	2674	2436	1856	1768	2301	2246	2243	NA	NA	NA
Meghalaya	Kharif	1426	1471	1468	1503	1529	1499	1529	1554	2200	2259	2284	2291	NA
Mizoram	Kharif	1917	1942	69	967	1337	1502	1214	1305	1424	1521	1756	1540	NA
Rabi	Rabi	2222	2668	1000	1000	1667	1667	1238	1611	1294	1286	208	1570	NA
Total	Total	1940	1963	95	969	1347	1508	1214	1314	1420	1515	1342	1542	NA
Nagaland	Kharif	1800	1674	1788	1800	1075	1958	1960	1961	1969	1975	1979	1980	NA
Odisha	Kharif	1587	1655	1976	1986	2155	2540	2046	2393	2766	2039	1967	2824	2503
Rabi	Rabi	2188	2368	2241	2609	2247	2778	2496	2793	2905	2608	2618	2911	2785
Total	Total	1602	1677	1987	2007	2157	2549	2063	2408	2771	2053	1996	2827	2515
Punjab	Kharif	2723	3123	3404	3417	3692	3984	3682	3900	3651	3687	3836	3711	
Rajasthan	Kharif	1098	1085	1860	1737	1044	1796	1583	1763	1597	1740	1318	1501	1851
Rabi	Rabi	1429	1429	1667	1429	1429	NA	3434	3844	3729	NA	3705	NA	3904
Total	Total	1098	1086	1860	1736	1044	1796	1594	1780	1621	1740	1334	1501	1884
Sikkim	Kharif	1491	1491	1601	1544	1671	1648	1657	1700	1724	1727	1754	1763	NA

Table 4.18 (Contd.)

Crops	Season	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
Tamil Nadu	Kharif	1170	3224	2952	3668	4301	3858	5682	3554	5682	5682	7103	4554	8188
	Rabi	1215	5047	5091	5763	5431	5452	6649	2819	5002	7500	6888	1255	7338
Telangana	Kharif	NA	2699	2557	2761									
	Rabi	NA	5288	4958	5465									
Tripura	Total	NA	3335	3056	3321									
	Kharif	1000	960	1000	952	1006	1322	1353	1295	1277	1292	1385	1362	NA
Uttar Pradesh	Kharif	1284	1326	1437	1495	1456	1468	1654	1654	1654	1778	1850	1876	1970
	Rabi	3341	1567	1615	1621	2800	2667	1810	2105	2183	1838	1889	2038	2074
Uttarakhand	Total	1295	1335	1443	1499	1465	1477	1662	1677	1703	1784	1855	2064	1981
	Kharif	1333	1333	1483	1303	1357	1503	1464	1437	1419	2070	1696	1682	2000
West Bengal	Kharif	2076	2166	2095	2658	2183	2588	2270	2384	2687	2688	2739	2692	2697
	Rabi	3913	4265	4690	5106	5619	4904	4497	4923	4765	5056	5463	5043	5463
A & N Islands	Summer	NA	NA	3583	4272	4587	4716	NA						
	Total	2533	2968	3166	3783	3942	3977	3722	3947	4059	4350	4654	4367	4805
Others	Kharif	1000	2000	4500	3000	2000	2476	2125	2000	2254	3529	2933	2087	NA
	Rabi	NA	2305											
All India	Total	NA	2352											
	Kharif	1799	1660	2122	2048	1740	2285	2234	2246	2346	2249	2236	2413	2656
	Rabi	3076	3793	3854	4387	3694	4003	3765	4152	4050	4414	4006	3897	4583
	Total	1938	1912	2335	2414	2024	2540	2478	2566	2676	2632	2563	2689	3032

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

Table 4.1.9 : Total Pulses: State -wise Yield

State/UT	Yield (Kg/hectare)												
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Andhra Pradesh	772	679	803	818	740	675	637	833	928	911	848	659	870
Arunachal Pradesh	1078	1078	1059	1000	879	920	1122	1155	1263	1015	1011	NA	NA
Assam	537	557	558	567	560	555	573	598	695	748	757	735	707
Bihar	749	722	818	801	836	878	975	1052	1044	859	845	936	884
Chhattisgarh	477	543	586	580	604	624	613	700	573	818	609	858	693
Goa	1045	1358	991	1030	1082	1057	836	902	1102	944	754	1004	NA
Gujarat	704	593	843	777	705	812	815	867	897	972	931	868	1018
Haryana	622	824	602	972	758	899	706	800	820	674	680	897	979
Himachal Pradesh	713	1062	758	681	1213	954	1413	1763	1232	1504	2019	1395	
Jammu & Kashmir	504	505	508	464	456	584	508	530	535	381	631	547	529
Jharkhand	567	686	736	724	709	773	885	1038	1021	1004	886	1002	1065
Karnataka	487	377	531	466	451	561	492	555	641	601	403	586	614
Kerala	775	857	818	991	778	747	1029	1108	1131	1133	984	934	
Madhya Pradesh	754	780	609	808	871	656	803	972	861	876	903	944	1084
Maharashtra	584	602	746	537	702	768	693	704	802	602	436	865	759
Manipur	523	523	497	504	497	897	942	936	937	959	963	973	NA
Meghalaya	750	744	825	867	881	881	896	1019	1126	1405	1442	1446	NA
Mizoram	1215	1160	529	900	1667	1534	1389	1061	1468	1416	1361	1352	NA

(Contd.)

Table 4.1.9 (Contd.)

State/UT	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18*	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Nagaland	1281	1200	1189	1203	906	1085	1091	1096	1124	1146	1150	1151	NA	
Odisha	416	445	446	481	461	486	471	513	537	532	505	548	548	
Punjab	804	850	804	908	896	910	789	823	872	846	965	887	905	
Rajasthan	261	462	401	497	204	685	546	603	593	580	515	604	635	
Sikkim	897	897	928	937	977	899	903	915	925	925	954	961	NA	
Tamil Nadu	337	541	303	307	382	386	552	413	752	852	631	544	635	
Telangana	-	-	-	-	-	-	-	-	-	644	508	771	885	
Tripura	629	654	691	718	713	706	697	705	719	718	673	952	NA	
Uttar Pradesh	811	725	731	899	748	832	993	985	736	612	619	871	974	
Uttarakhand	590	642	794	609	719	851	891	841	869	821	821	869	877	
West Bengal	785	703	793	704	826	898	706	952	843	941	967	968	969	
A & N Islands	500	571	591	571	600	442	541	499	486	541	649	304	NA	
D & N Haveli	862	862	862	859	828	898	939	901	898	897	1174	2035	NA	
Delhi	1000	1750	1750	2333	2000	1611	1939	2097	1500	NA	3270	2120	NA	
Daman & Diu	846	846	846	846	846	846	NA							
Puducherry	324	324	83	200	155	499	417	512	425	630	241	377	NA	
Others	NA	1236												
All India	598	612	625	659	630	691	699	789	764	728	655	786	841	

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

Table 4.1.10: Gram: State-wise Yield

State/UT	Yield (Kg/hectare)												
	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Andhra Pradesh	1591	1085	1448	1412	1308	1233	920	1119	1439	1143	1062	960	1125
Assam	500	500	500	529	517	500	509	557	698	938	704	651	1000
Bihar	902	818	972	925	1014	1187	1295	1402	1147	958	986	1120	1140
Chattisgarh	706	843	874	831	880	959	995	1069	771	1035	722	1171	995
Gujarat	850	870	977	1011	947	1136	1138	978	1251	1236	1330	1116	1253
Haryana	554	843	505	1041	738	982	911	1128	904	646	619	1189	1125
Himachal Pradesh	538	769	933	429	523	1000	971	1021	1000	927	1047	923	1133
Jammu & Kashmir	500	NA	NA	667	500	545	583	542	NA	NA	NA	NA	NA
Jharkhand	NA	NA	NA	NA	914	1052	1067	1174	1166	1160	995	1174	1258
Karnataka	548	473	925	552	591	658	583	643	757	718	466	590	570
Madhya Pradesh	926	980	607	981	1071	863	1081	1219	1044	1039	1115	1100	1280
Maharashtra	691	706	711	677	863	904	775	763	891	762	539	891	892
Meghalaya	600	600	825	600	620	500	625	611	989	1033	1059	1065	NA

(Contd.)

Table 4.1.10 (Contd.)

State/UT	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Nagaland	1000	1250	600	667	667	714	720	842	838	842	844	827	NA
Odisha	646	652	1500	662	748	780	765	774	768	770	769	768	778
Punjab	750	1000	659	1172	1133	1286	1000	1400	1211	1056	1294	1375	1059
Rajasthan	443	863	1000	779	605	898	740	1019	853	725	892	911	1062
Tamil Nadu	678	644	466	638	614	671	643	645	653	645	653	648	647
Telangana	-	-	-	-	-	-	-	-	-	1372	714	1294	1423
Tripura	500	1000	676	667	667	667	733	774	769	750	780	780	NA
Uttar Pradesh	893	742	1000	1014	824	930	1185	1119	824	659	612	1114	1156
Uttarakhand	1000	1000	745	0	1000	785	1000	830	786	821	846	1000	1000
West Bengal	913	769	1000	1037	1108	1072	1049	1175	1175	1178	1192	1013	1150
D & N Haveli	500	500	984	500	798	1000	1000	1000	1000	1000	1050	1050	NA
Delhi	1000	NA	500	NA	NA	882	7000	NA	1500	NA	1317	2120	NA
Others	NA	NA	NA	NA	NA	1271							
All India	808	845	762	895	915	895	928	1036	960	889	840	974	1063

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

Table 4.1.11: Tur: State-wise Yield

State/UT	Yield (Kg/hectare)												
	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Andhra Pradesh	609	401	652	456	438	415	303	524	542	503	600	380	427
Arunachal Pradesh	1000	1000	1000	833	833	879	968	1111	1091	905	814	NA	NA
Assam	692	714	667	704	709	718	714	829	932	941	880	858	833
Bihar	1291	989	1012	1178	1514	1404	1514	2131	1667	1438	1577	1581	1542
Chattisgarh	445	426	522	583	510	440	433	620	614	636	458	598	601
Gujarat	1102	751	1109	989	906	986	1053	1184	995	1098	1125	1156	1244
Haryana	1067	1100	1138	1091	1045	1080	1111	1086	1176	1098	1000	915	1098
Himachal Pradesh	NA	NA	NA	NA	NA	NA	417	364	NA	500	326	375	360
Jharkhand	633	645	800	616	871	686	904	1034	1043	1018	903	1002	1147
Karnataka	727	470	712	528	467	594	462	555	713	651	368	749	868
Kerala	NA	NA	670	NA	NA	NA	1693	1588	941	1885	1289	1580	1559
Madhya Pradesh	739	683	922	804	851	337	625	662	716	981	1079	1133	1297
Maharashtra	720	726	750	600	841	750	706	819	906	600	450	1042	873
Meghalaya	750	750	1000	750	784	750	759	1152	1362	1278	1295	1299	NA
Mizoram	1000	1000	1189	NA	965	NA	NA						

(Contd.)

Table 4.1.1.1 (Contd.)

State/UT	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Nagaland	950	1200	825	938	703	840	853	899	896	900	902	903	NA
Odisha	742	803	900	860	841	916	812	912	896	898	886	884	897
Punjab	885	931	876	966	957	929	1000	903	897	923	1000	860	1038
Rajasthan	647	503	701	772	381	761	666	879	649	736	548	1088	1018
Tamil Nadu	540	732	750	608	765	662	870	785	967	1064	908	655	1162
Telangana	-	-	-	-	-	-	-	-	-	495	419	676	797
Tripura	692	750	891	700	725	750	747	749	717	722	687	705	NA
Uttar Pradesh	987	749	667	914	662	898	1044	1045	900	606	691	1074	1177
Uttarakhand	1000	500	818	667	1000	706	1000	799	810	902	770	1000	1000
West Bengal	889	700	833	728	1423	432	1434	1429	1434	1480	1249	1300	
D & N Haveli	867	867	867	867	800	801	801	800	804	805	1200	2886	NA
Delhi	1000	1500	1500	2000	1838	1750	1727	1724	NA	NA	3522	NA	NA
Others	NA	1274											
All India	765	650	826	671	711	655	662	776	813	729	646	913	960

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

Table 4.1.12: Total Oilseeds: State-wise Yield

State	Yield (Kg/hectare)												
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Andhra Pradesh	698	609	1276	842	724	861	650	849	929	557	954	581	1323
Arunachal Pradesh	838	838	962	963	928	921	1015	909	958	971	1040	1040	NA
Assam	465	495	523	542	526	576	557	610	611	670	694	643	670
Bihar	982	1031	979	999	1042	1048	1046	1120	1189	1093	1059	1155	1212
Chhattisgarh	419	503	532	507	607	686	550	723	640	599	501	572	461
Goa	2394	1769	1892	2158	2807	2862	2500	2409	2544	1899	2126	2352	NA
Gujarat	1544	908	1618	1345	1109	1692	1608	1103	2231	1920	1627	1725	2123
Haryana	1124	1344	1214	1723	1645	1855	1394	1712	1637	1456	1589	1832	2007
Himachal Pradesh	344	477	442	365	271	514	579	514	490	542	520	487	520
Jammu & Kashmir	429	610	846	760	763	821	826	789	895	682	599	523	648
Jharkhand	311	422	553	560	563	625	680	787	663	664	681	732	729
Karnataka	600	478	681	556	502	782	665	647	824	698	583	623	807
Kerala	667	889	706	696	632	1032	1230	1045	980	1054	1049	125	957
Madhya Pradesh	1009	955	1015	1075	1129	1143	1073	1231	858	1093	841	1177	1046
Maharashtra	925	963	1274	857	725	1394	1223	1337	1276	672	579	1160	1010
Manipur	7000	7000	NA	778	778	774	788	729	840	863	847	858	NA
Meghalaya	684	673	670	676	701	704	766	695	1030	1071	1091	1051	NA
Mizoram	1125	927	229	781	1106	1203	967	1078	1146	1117	1112	1140	NA

(Contd.)

Table 4.1.12 (Contd.)

State	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Nagaland	926	901	896	1142	835	1040	1043	1047	1048	1048	1047	1050	NA
Odisha	565	550	608	604	589	619	661	700	755	667	632	681	619
Punjab	1097	1111	1288	1276	1354	1336	1360	1350	1335	1265	1318	1386	1467
Rajasthan	1134	1146	1051	1114	1066	1203	1243	1296	1144	1192	1182	1351	1453
Sikkim	727	727	872	763	959	832	841	863	887	891	909	918	NA
Tamil Nadu	1624	1829	1739	1782	1898	2077	2479	2103	2362	2374	2290	1870	2579
Telangana	-	-	-	-	-	-	-	-	-	1270	1102	1385	1739
Tripura	709	705	675	714	717	732	751	506	759	793	771	814	NA
Uttar Pradesh	993	837	856	865	753	832	828	898	810	698	670	876	1054
Uttarakhand	857	750	967	1000	1138	1012	1082	1236	1070	938	1100	929	931
West Bengal	952	918	997	828	1065	1047	994	1162	1181	1161	1168	1147	1198
D & N Haveli	1000	1000	1000	NA	680	750	704	604	667	571	NA	366	NA
Delhi	763	1500	871	154	1256	1300	1251	1265	NA	NA	1260	1248	NA
Puducherry	1778	1778	2000	1636	1684	1231	1840	1907	2280	2345	2511	NA	
Others	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1064	
All India	1004	916	1115	1006	958	1193	1133	1168	1075	968	1195	1270	

Source: Directorate of Economics & Statistics, DAC&FW

NA- Not Available

*4th Advance Estimates.

Table 4.1.13: Kharif Oilseeds: State-wise Yield

State	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18*	Yield (Kg/hectare)
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Andhra Pradesh	570	397	1204	705	425	700	440	657	774	414	813	416	1188	
Arunachal Pradesh	878	878	1042	1160	978	1083	1204	1186	1071	747	789	1126	NA	
Assam	533	571	522	537	533	537	539	628	712	702	644	648	700	
Bihar	951	932	943	939	1129	1016	1063	1092	979	1070	1050	1070	1055	
Chhattisgarh	521	623	615	572	710	824	608	836	685	634	523	649	500	
Goa	1333	2000	2000	1500	2000	2800	2833	2540	2436	2028	2042	2557	NA	
Gujarat	1543	779	1610	1351	1049	1699	1607	1013	2309	1962	1628	1725	2158	
Haryana	804	844	1079	762	648	691	750	1467	1570	2125	1434	1177	827	
Himachal Pradesh	511	489	581	610	243	536	559	559	615	615	591	494	486	
Jammu & Kashmir	462	429	419	426	439	441	440	436	442	413	410	508	450	
Jharkhand	287	220	597	707	611	600	861	905	963	842	700	864	890	
Karnataka	569	439	682	548	469	783	661	635	862	685	579	592	815	
Kerala	667	889	706	696	632	1037	1250	1044	800	1041	1049	1052	809	
Madhya Pradesh	1020	962	1037	1096	1150	1159	1080	1250	836	1115	826	1180	1026	
Maharashtra	981	1031	1368	878	730	1490	1266	1379	1310	670	572	1178	1012	
Manipur	6000	6000	444	1000	1000	754	866	169	850	850	838	857	NA	

(Contd.)

Table 4.1.1.3 (Contd.)

State	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Meghalaya	731	692	704	665	763	780	1004	764	1274	1365	1402	1331	NA
Mizoram	1222	972	206	815	1167	1268	971	1142	1154	1137	1181	1164	NA
Nagaland	1106	1099	1041	1337	968	1156	1160	1158	1160	1159	1158	1161	NA
Odisha	403	423	443	461	443	481	450	511	519	483	432	514	474
Punjab	463	504	478	482	582	785	714	691	704	656	614	810	821
Rajasthan	972	1050	1224	925	798	1235	1306	1228	1019	1220	1067	1265	1334
Sikkim	825	825	889	846	1025	881	897	935	946	948	973	975	NA
Tamil Nadu	1340	1251	1263	1454	1482	1643	1929	1677	1841	1921	1875	1390	2038
Telangana	-	-	-	-	-	-	-	-	-	982	919	1124	1512
Tripura	583	600	591	647	638	682	620	108	646	665	648	689	NA
Uttar Pradesh	555	349	284	321	240	380	415	392	347	393	368	360	479
Uttarakhand	1059	1000	1250	1333	1500	1240	1297	1663	1326	1173	1216	1000	1077
West Bengal	837	922	908	661	821	914	914	955	955	946	937	929	943
D & N Haveli	1000	1000	1000	NA	680	750	704	604	667	571	NA	347	NA
Pondicherry	1778	1778	1778	2000	1636	1684	1231	1840	1907	2340	2247	2471	NA
Others	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1011
All India	965	836	1154	961	875	1203	1123	1135	1151	1056	885	1153	1212

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

Table 4.1.14: Rabi Oilseeds: State-wise Yield

		Yield (Kg/hectare)											
State	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Andhra Pradesh	1193	1235	1508	1286	1517	1477	1440	1536	1618	1733	1947	2361	2344
Arunachal Pradesh	829	829	945	919	919	893	985	905	936	1014	1089	1019	NA
Assam	458	488	523	542	525	579	559	609	606	668	697	643	668
Bihar	984	1037	982	1003	1037	1050	1045	1121	1194	1094	1059	1160	1217
Chhattisgarh	284	319	350	326	371	345	407	425	508	501	428	372	353
Goa	2500	1727	1875	2281	3000	2875	2458	2382	2564	1874	2146	2302	NA
Gujarat	1552	1544	1662	1314	1617	1645	1612	1764	1696	1513	1621	1731	1806
Haryana	1128	1351	1216	1735	1655	1868	1404	1721	1639	1432	1594	1853	2018
Himachal Pradesh	274	471	385	260	282	505	585	500	458	521	498	485	529
Jammu & Kashmir	405	630	893	790	788	850	854	817	933	701	613	525	661
Jharkhand	333	461	539	517	553	635	653	766	622	636	678	712	707
Karnataka	655	543	677	571	565	778	676	665	748	728	590	731	786
Kerala							909	1111	1209	2000	NA	NA	1496
Madhya Pradesh	955	912	833	936	990	1031	1024	1092	1031	936	977	1159	1171
Maharashtra	677	662	739	691	683	705	720	634	758	706	736	862	946
Manipur	NA	NA	NA	500	500	779	764	850	837	867	849	858	NA

Table 4.1.4 (Contd.)

State	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Meghalaya	667	667	658	678	678	677	678	669	934	952	964	931	NA
Mizoram	833	600	1000	600	750	750	944	690	1100	1000	934	1003	NA
Nagaland	756	729	760	959	784	942	946	953	954	954	954	955	NA
Odisha	925	838	915	873	874	901	1006	950	1071	956	925	984	901
Punjab	1236	1260	1478	1456	1500	1432	1465	1451	1415	1359	1425	1451	1536
Rajasthan	1205	1185	946	1234	1277	1188	1190	1345	1233	1170	1286	1418	1557
Sikkim	661	661	860	707	914	792	801	799	830	832	852	866	NA
Tamil Nadu	2073	3466	2835	2539	2993	3228	3645	3040	3514	3338	3171	3049	3335
Telangana	-	-	-	-	-	-	-	-	-	1848	1554	2020	2058
Tripura	806	842	778	778	806	774	864	874	875	850	846	911	NA
Uttar Pradesh	1105	1024	1064	1076	1090	1123	1107	1228	1088	919	1005	1214	1363
Uttarakhand	667	563	643	714	800	803	867	921	739	716	979	846	813
West Bengal	988	916	1035	899	1161	1100	1025	1249	1273	1252	1265	1242	1289
Delhi	763	1500	871	154	1256	1300	1251	1265	NA	NA	1260	1248	NA
Others	NA	1089											
All India	1068	1055	1034	1097	1146	1174	1155	1244	1206	1122	1185	1300	1408

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

Table 4.1.15: Groundnut: State-wise Yield

Table 4.1.15 (Contd.)

Crops	Season	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
Rabi	Rabi	1414	1292	1376	1279	1334	1362	1486	1345	1704	1471	1242	1533	1261
Total	Kharif	1171	1113	1219	1156	1169	1176	1189	1231	1449	1268	1097	1229	1106
Punjab	Kharif	882	864	871	926	1240	1773	1500	1765	1846	1857	1900	1917	1917
Rajasthan	Kharif	1549	1310	1728	1670	1087	1963	1926	1549	1950	2019	2029	2051	1966
Tamil Nadu	Kharif	1526	1329	1417	1674	1728	1881	2202	1890	2213	2340	2175	1567	2453
Rabi	Rabi	2103	3729	3078	2622	3104	3331	3751	3149	3628	3442	3293	3232	3439
Total	Total	1775	1981	1957	1989	2155	2323	2751	2315	2721	2753	2574	2084	2914
Telangana	Kharif	NA												
Rabi	Rabi	NA												
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tripura	Kharif	1000	1000	1000	1000	1081	1333	1091	1091	1077	1080	1146	1310	NA
Rabi	Rabi	667	1000	1000	1000	1040	1000	1297	1315	1257	1280	1160	1584	NA
Total	889	1000	1000	1000	1095	1167	1220	1229	1180	1180	1154	1459	NA	2103
Uttar Pradesh	Kharif	851	730	598	705	670	988	1000	1000	896	857	670	904	1011
Uttarakhand	Kharif	1000	2000	2000	2000	1091	1000	1163	1176	1103	1415	1000	1000	1000
West Bengal	Kharif	933	1000	909	958	916	857	864	1000	917	925	902	964	960
Rabi	Rabi	1727	1744	1968	1763	1742	1690	1969	2585	2627	2362	2290	2318	2394
Total	1703	1713	1918	1735	1715	1661	1939	2526	2544	2324	2255	2279	2343	
Puducherry	Kharif	1938	1938	1875	2286	2103	1962	1406	2112	2486	3000	2984	3000	NA
Others	Kharif	NA	1853											
Rabi	Rabi	NA	1465											
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1588
All India	Kharif	1097	689	1386	1063	835	1335	1188	811	1735	1478	1399	1321	1838
Rabi	Rabi	1702	1880	1857	1764	1830	1846	1938	1908	1926	1948	1801	1861	2016
Total	1187	866	1459	1163	991	1411	1323	995	1764	1552	1465	1398	1868	

Source: Directorate of Economics & Statistics, DAC&FW

*4th Advance Estimates. NA- Not Available

Table 4.1.16: Rapeseed & Mustard: State-wise Yield

		Yield (Kg/hectare)											
State	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Andhra Pradesh	333	600	500	667	500	520	667	500	600	500	1000	400	1000
Arunachal Pradesh	829	829	945	919	919	893	985	905	936	1016	1089	1019	NA
Assam	456	487	523	543	525	581	560	610	605	667	698	644	669
Bihar	926	1029	947	959	1008	1028	1029	1132	1245	1100	1053	1180	1241
Chhattisgarh	330	399	402	379	419	407	436	514	557	575	517	388	415
Gujarat	1349	1396	1635	1136	1579	1565	1572	1695	1723	1422	1611	1711	1810
Haryana	1117	1343	1198	1738	1655	1869	1396	1721	1639	1432	1594	1853	2018
Himachal Pradesh	292	506	409	270	287	532	619	520	483	543	517	506	556
Jammu & Kashmir	406	649	892	791	788	851	851	817	935	700	612	526	661
Jharkhand	NA	NA	NA	541	578	653	670	783	629	625	698	728	732
Karnataka	400	250	250	400	400	500	250	500	333	300	150	200	300
Madhya Pradesh	1047	999	927	1034	1074	1148	1108	1172	1108	1006	1079	1299	1305
Maharashtra	308	357	444	333	333	375	308	222	400	200	300	358	329
Manipur	NA	NA	NA	500	500	779	764	839	837	867	846	855	NA
Meghalaya	667	667	658	681	680	681	680	672	938	956	967	934	NA

(*Contd.*)

Table 4.1.16 (Contd.)

State	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Nagaland	800	753	782	1000	800	1000	1005	1009	1010	1012	1011	1013	NA
Odisha	190	171	201	182	211	208	212	275	269	244	205	345	326
Punjab	1102	1122	1179	1222	1300	1323	1276	1281	1306	1248	1348	1413	1479
Rajasthan	1205	1185	946	1234	1276	1188	1189	1346	1233	1170	1287	1422	1558
Sikkim	661	661	860	707	914	792	801	799	830	832	852	866	NA
Tamil Nadu	200	333	333	333	233	229	230	241	233	229	200	222	
Telangana	-	-	-	-	-	-	-	-	-	2000	2000	1667	1333
Tripura	821	824	733	750	767	750	789	799	824	831	805	825	NA
Uttar Pradesh	1149	1057	1157	1123	1113	1187	1136	1263	1113	930	1017	1245	1392
Uttarakhand	667	563	643	714	800	803	867	933	739	716	979	846	813
West Bengal	909	803	888	764	1080	1021	908	1062	1066	1069	1090	1077	1175
Delhi	763	1500	871	154	1256	1300	1251	1265	NA	NA	1260	1248	NA
Others	NA	1092											
All India	1117	1095	1001	1143	1183	1185	1121	1262	1185	1083	1183	1304	1397

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

Table 4.1.17: Linseed: State-wise Yield

State	Yield (Kg/hectare)													
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Andhra Pradesh	250	333	0	0	0	0	0	0	0	480	0	0	0	0
Assam	500	500	500	514	517	521	520	568	643	703	633	608	600	600
Bihar	895	850	845	846	846	889	865	867	850	861	859	833	851	851
Chhattisgarh	248	250	307	272	300	260	372	285	424	397	292	344	248	248
Himachal Pradesh	100	267	250	143	225	273	286	327	255	243	295	295	304	304
Jammu & Kashmir	400	426	1000	500	578	798	1157	582	500	923	878	369	630	630
Jharkhand	333	389	389	454	427	516	531	645	568	709	534	612	571	571
Karnataka	308	333	357	357	333	364	222	333	333	400	293	333	200	200
Madhya Pradesh	412	411	314	382	436	338	474	523	498	541	474	504	531	531
Maharashtra	277	235	279	211	250	256	258	296	258	208	250	239	314	314
Nagaland	600	648	667	769	689	807	807	807	803	808	808	811	NA	NA
Odisha	420	422	438	441	451	459	471	482	478	478	477	480	487	487
Punjab	500	500	1000	1000	500	NA	0	0						
Rajasthan	833	833	857	1432	2006	1235	1066	962	1351	1285	1013	1114	1012	1012
Uttar Pradesh	414	373	251	450	441	453	452	433	385	600	460	531	615	615
West Bengal	284	240	271	239	295	341	359	349	200	364	388	370	417	417
Others	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	762	762
All India	395	385	349	415	449	408	473	502	484	541	477	567	535	

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

Table 4.1.18: Safflower: State-wise Yield

State	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18*	Yield (Kg/hectare)
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Andhra Pradesh	471	643	750	462	429	692	700	825	750	1000	NA	NA	NA	NA
Bihar	1000	500	1000	1000	769	857	821	800	805	800	802	813	810	810
Chhattisgarh	273	286	222	200	333	333	286	200	333	200	300	286	286	294
Gujarat	NA	NA	NA	1000	857	NA	583	588	600	NA	NA	NA	NA	NA
Jharkhand	NA	NA	NA	NA	478	335	401	401	500	523	793	NA	524	554
Karnataka	741	753	814	795	735	836	636	625	791	818	563	688	625	625
Madhya Pradesh	300	333	250	250	286	250	NA	NA	NA	500	724	500	500	1000
Maharashtra	605	606	667	565	580	543	545	552	570	343	228	691	581	581
Odisha	615	583	615	583	581	600	581	612	602	656	590	600	610	610
West Bengal	NA	NA	NA	NA	915	838	858	1000	1000	1000	1000	882	1000	1000
All India	627	637	701	642	621	617	580	591	638	515	416	651	633	

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

Table 4.1.19: Sunflower: State-wise Yield

Crops	Season	Yield (Kg/hectare)												
		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Andhra Pradesh	Kharif	351	406	629	640	380	738	588	789	800	545	714	667	667
	Rabi/Summer	805	871	1174	815	911	683	809	724	888	872	900	1250	1500
Total		671	738	1026	778	771	693	785	732	870	800	852	1000	1222
Bihar	Kharif	NA	1233	1200	1200	1278	1280	1345	1348	1289	1347	1323	1287	1295
	Rabi/Summer	1374	1347	1365	1429	1431	1471	1450	1454	1446	1449	1440	1463	1429
Total		1345	1332	1335	1388	1404	1441	1439	1441	1411	1429	1421	1428	1417
Chhattisgarh	Kharif	366	600	563	429	257	556	300	500	NA	500	500	NA	NA
Haryana	Summer/Rabi	1667	1667	1583	1650	1667	1800	1800	1733	2400	2767	2056	1393	2000
Jharkhand	Kharif	NA	NA	NA	667	459	NA	457	825	696	522	712	544	719
	Rabi/Summer	NA	NA	NA	684	743	663	678	800	524	500	466	502	526
Total		NA	NA	NA	682	642	663	653	814	585	507	498	522	559
Karnataka	Kharif	504	365	547	505	342	603	518	507	583	555	408	582	612
	Rabi/Summer	593	472	595	488	422	637	505	528	626	597	490	233	410
Total		552	420	571	496	383	621	512	520	607	579	459	445	529
Madhya Pradesh	Kharif	333	333	500	500	500	NA	NA	NA	NA	NA	1000	1000	1000
	Summer/Rabi	583	571	500	667	500	NA	NA	NA	NA	NA	1000	1000	1000
Total		533	500	600	500	500	NA	NA	NA	NA	NA	1000	1000	1000
Maharashtra	Kharif	532	529	580	523	419	507	548	400	588	313	111	280	477
	Rabi	593	545	739	626	567	636	611	465	649	460	276	768	569
Summer		733	NA	778	833	750	800	NA						
Total		580	548	680	587	521	601	583	436	620	402	213	594	507
Nagaland	Kharif	800	750	1000	667	600	1000	818	808	769	800	824	857	NA

(*Contd.*)

Table 4.1.19 (Contd.)

Crops	Season	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
Odisha	Summer	1000	800	1100	NA	944	526	524	609	634	612	613	613	NA
	Total	875	786	1050	667	910	571	554	632	649	636	641	646	NA
Punjab	Kharif	NA	667	750	667	769	750	705	700	714	719	690	706	708
	Rabi/Summer	830	949	995	930	908	1054	1190	1196	1200	1202	1198	1200	1255
Rajasthan	Total	821	932	984	919	902	1049	1181	1188	1193	1195	1189	1191	1245
	Summer/Rabi	1612	1641	1900	1750	1787	1664	1857	1881	1738	1765	1797	1655	1842
Tamil Nadu	Rabi/Summer	1000	1000	NA										
	Total	1240	1828	1590	1329	1334	1151	1809	1357	1564	1409	1060	392	1050
Telangana	Kharif	NA	1000	1000	1000									
	Rabi	NA	1412	1091	1800									
Uttar Pradesh	Total	NA	1389	1083	1667									
	Rabi/Summer	1278	1500	1615	1889	2286	2250	1500	1500	1667	1333	2000	1333	1333
West Bengal	Total	1256	1292	1231	1089	1206	1123	1203	1250	1429	1467	1417	1312	1400
	Others	NA	897											
All India	Kharif	496	425	607	540	378	608	566	622	656	660	510	607	617
	Rabi	692	661	870	696	700	748	783	674	808	781	660	708	845
Total		615	567	765	639	576	701	706	655	750	736	609	660	738

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

Table 4.1.20: Soybean: State-wise Yield

State/UT	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18*	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Andhra Pradesh	1949	1515	1966	1366	827	1703	1615	1818	1612	2000	2000	1612	NA	
Arunachal Pradesh	947	947	1167	1433	1183	1346	1487	1518	1273	923	991	1420	NA	
Chhattisgarh	900	997	1149	987	956	1170	753	1205	877	753	576	697	481	
Gujarat	853	510	382	699	805	810	786	1000	733	754	675	717	788	
Himachal Pradesh	1333	667	1833	1714	850	1333	1587	1429	1450	1446	1676	980	1533	
Jharkhand	NA	NA	NA	333	329	200	329	1194	1099	808	931	579	789	
Karnataka	534	718	858	679	446	875	901	1047	1233	738	543	745	830	
Kerala	NA	NA	1400	NA	NA									
Madhya Pradesh	1058	1006	1091	1142	1198	1200	1108	1293	831	1139	831	1231	1062	
Maharashtra	1077	1147	1492	900	728	1582	1319	1451	1351	655	557	1194	1012	
Manipur	NA	NA	NA	NA	NA	927	1063	109	878	868	838	857	NA	
Meghalaya	1000	1000	909	1091	1109	1091	1694	1099	1820	1947	1982	1892	NA	
Mizoram	1929	1000	235	1100	1603	1929	1254	1411	1480	1413	1539	1574	NA	
Nagaland	1199	1200	1148	1498	1032	1246	1253	1252	1255	1254	1254	1257	NA	
Rajasthan	1150	1203	1343	971	1175	1461	1544	1412	829	1036	829	1072	1207	
Sikkim	825	825	889	846	1025	881	897	935	946	948	973	975	NA	
Telangana	NA	1083	1037	1162	1625									
Uttar Pradesh	769	875	667	818	1143	1273	1222	1357	577	731	519	636	786	
Uttarakhand	1154	1111	1462	1556	1636	1480	1500	1985	1479	1293	1332	1083	1200	
West Bengal	500	600	600	603	567	1226	833	699	700	708	732	750		
Others	NA	NA	NA	1052										
All India	1073	1063	1235	1041	1024	1327	1208	1353	1012	951	738	1177	1049	

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

5

Area, Production and Yield of Horticulture & Plantation Crops

Table 5.1: Area and Production of Horticulture Crops

Crops	2015-16			2016-17			2017-18*		
	(1)	(2)	Area Production	(3)	Area Production	(4)	(5)	Area Production	(6)
Fruits									
Almond	12	8		12		7		11	9
Aonla/Gooseberry	88	972		93		1075		92	1063
Apple	277	2521		305		2265		306	2371
Banana	841	29135		860		30477		859	31083
Ber	44	425		50		545		49	506
Citrus									
(i) Lime/Lemon	245	2438		248		2364		236	2506
(ii) Mandarin (Orange)	397	4113		410		4438		430	4982
(iii) Sweet Orange (Mosambi)	244	3468		191		3209		183	3369
(iv) Others	138	1562		136		1408		157	1654
Citrus Total (i to iv)	1024	11581		985		11419		1006	12510
Custardapple	37	298		44		383		49	410
Grapes	122	2590		137		2922		140	2914
Guava	255	4048		260		3826		268	3997
Jackfruit	151	1732		150		1694		154	1742

(Contd.)

Table 5.1 (Contd.)

Crops	2015-16			2016-17			2017-18*		
	(1)	(2)	Area	Production	Area	Production	Area	(6)	Production
			(3)	(4)	(5)				(7)
Kiwi	4	11	4	12	4	12	4	4	12
Litchi	90	559	93	568	92	92	600	600	600
Mango	2209	18643	2212	19506	2288	2288	21253	21253	21253
Muskmelon	45	935	50	1097	54	54	1213	1213	1213
Papaya	132	5667	134	5940	143	143	6216	6216	6216
Passion Fruit	13	78	13	72	14	14	71	71	71
Peach	18	107	18	106	18	18	113	113	113
Pear	40	323	44	346	42	42	310	310	310
Peanut	1	1	1	0	1	1	0	0	0
Pineapple	110	1924	111	1861	116	116	1997	1997	1997
Plum	22	82	24	81	23	23	77	77	77
Pomegranate	197	2306	216	2613	222	222	2634	2634	2634
Sapota	107	1294	99	1236	102	102	1234	1234	1234
Strawberry	1	5	1	4	1	1	5	5	5
Walnut	92	229	112	287	108	108	295	295	295
Watermelon	95	2325	91	2182	101	101	2478	2478	2478
Others	275	2386	252	2392	251	251	1940	1940	1940
Total Fruits	6301	90183	6373	92918	6514	6514	97055	97055	97055
Vegetables									
Beans	232	2334	198	2012	207	207	2128	2128	2128
Bitterguard	93	1046	95	1030	95	95	1087	1087	1087

(Contd.)

Table 5.1 (Contd.)

Crops	2015-16			2016-17			2017-18*	
	(1)	(2)	Area	Production	Area	Production	Area	Production
Bottle gourd	149	2458		153	2529		156	2608
Brinjal	663	12515		733	12510		736	12826
Cabbage	394	8806		395	8807		402	9035
Capsicum	46	288		24	306		25	313
Carrot	82	1338		86	1350		90	1512
Cauliflower	426	8090		454	8557		459	8800
Cucumber	71	1202		74	1142		80	1261
Chillies (Green)	292	2955		316	3634		286	3631
Elephant Foot Yam	28	733		29	748		60	650
Mushroom	170	436		182	441		198	470
Okra / Ladyfinger	511	5849		507	6003		514	6126
Onion	1320	20931		1306	22427		1315	22071
Parmal (pointed gourd)	18	264		18	268		20	316
Peas	498	4811		530	5345		543	5430
Potato	2117	43417		2179	48605		2151	48529
Radish	199	2844		203	2898		211	3074
Sitaphal/Pumpkin/ Kaddu	68	1509		74	1664		75	1647
Sweet Potato	126	1454		128	1460		134	1503
Tapioca	204	4344		199	4171		228	4651

(Contd.)

Table 5.1 (Contd.)

Crops	2015-16			2016-17			2017-18*		
	(1)	(2)	Area Production (3)	Area (4)	Production (5)	Area (6)	Production (7)		
Tomato	774	18732	797	20708	786	19377			
Others	1625	22707	1558	21557	1611	22648			
Total Vegetables	10106	169064	10238	178172	10383	179692			
Aromatic	634	1022	664	972	748	1195			
Flowers Cut*		528		693		769			
Flowers Loose	278	1656	306	1699	342	1760			
Total Flowers	278	2184	306	2392	342	2529			
Honey		88		95		105			
Plantation Crops									
Arecanut	474	714	455	723	495	809			
Cashewnut	1036	671	978	745	1062	817			
Cocoa	81	17	83	19	89	20			
Coconut	2088	15256	2082	16486	2079	16228			
Total Plantation	3680	16658	3598	17972	3725	17874			
Spices									
Ajwan	24	16	31	27	36	25			
Cardamom	86	24	85	28	84	29			
Chillies (Dried)	811	1520	840	2096	809	2301			
Cinnamon/Tejpatá	3	5	3	5	3	5			
Celery/Dill & Poppy	26	23	36	35	36	36			

(Contd.)

Table 5.1 (Contd.)

Crops	2015-16			2016-17			2017-18*	
	(1)	Area (2)	Production (3)	Area (4)	Production (5)	Area (6)	Production (7)	
Clove	2	1	2	1	2	1	2	1
Coriander	582	585	674	883	664	664	861	
Cumin	808	503	781	493	781	781	500	
Fenugreek	219	247	210	297	219	219	295	
Fennel	76	129	91	153	90	90	149	
Garlic	281	1617	321	1693	303	303	1721	
Ginger	164	1109	168	1070	161	161	1048	
Nutmeg	21	14	23	15	23	23	14	
Pepper	129	55	132	72	136	136	70	
Vanilla	4	0	4	0	5	5	0	
Tamarind	53	194	49	197	50	50	203	
Turmeric	186	943	222	1056	223	223	1077	
Mint (<i>Mentha</i>)					328	328	35	
Total Spices	3474	6988	3671	8122	3950	3950	8369	
Total	24472	286188	24851	300643	25662	306818		

Source : Department of Agriculture, Cooperation & Farmers Welfare

* 3rd Advance Estimates

Table 5.2: State-wise Area and Production of various Horticultural Crops during the Year 2017-18 (3rd Advance Estimates)

State/UTs	Fruits		Vegetables		Flowers		Aromatic		Spices		Plantation		Production in 000 Metric Tonnes			
	Area	Prod.	Area	Prod.	Area	Production		Area	Prod.	Area	Prod.	Area	Prod.	Honey Prod.	Area	Prod.
						Loose	Cut									
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
Andhra Pradesh	618.32	15002.83	266.94	7378.60	331.35	1149.39	7.74	1.44	24.34	263.85	0.00	246.50	1099.80	1.87	1495.19	24897.78
Arunachal Pradesh	49.21	125.66	1.79	14.71	0.07	0.10	0.46	0.99	0.02	0.01	0.07	11.50	68.70	63.05	210.26	
Assam	163.99	2433.95	320.70	4033.30	106.62	197.60	4.49	0.17	5.17	34.55	57.75	101.70	302.00	1.20	702.67	7060.51
Bihar	310.55	4273.85	850.33	13948.04	14.90	97.30	4.50	0.60	0.66	7.96	0.00	8.90	10.60	10.00	1189.84	18348.35
Chhattisgarh	229.00	2659.60	497.94	6827.35	15.24	17.36	8.68	61.28	12.15	47.79	179.76	10.60	8.30	0.75	773.61	9802.18
Gujarat	415.34	9026.79	649.62	13292.86	31.69	238.67	0.00	0.00	20.64	195.98	0.00	510.80	907.00	0.55	1628.09	23661.86
Haryana	64.02	704.32	447.00	6661.91	0.00	0.00	0.46	3.21	5.23	52.31	3.44	17.10	77.90	4.50	533.81	7507.59
Himachal Pradesh	229.20	596.29	89.44	1806.22	0.00	0.00	1.12	0.91	0.71	17.95	9.65	7.70	22.70	5.50	328.17	2459.21
Jammu & Kashmir	326.71	2343.43	59.24	1424.52	0.00	0.00	3.83	0.01	49.58	29.70	0.39	5.00	1.00	2.10	444.35	3801.16
Jharkhand	102.58	1075.97	287.79	3476.35	14.83	6.13	0.00	0.00	0.97	4.96	3.83	0.00	0.00	1.35	406.16	4568.59
Karnataka	474.16	7029.69	456.51	7423.38	9164.1	5242.34	1.81	13.14	29.96	221.18	65.23	244.60	499.80	2.10	2123.44	20496.86
Kerala	260.02	2261.06	157.32	2102.09	981.30	5359.88	0.01	0.00	56.79	1.53	42.56	170.30	139.00	3.00	1625.74	9909.12
Madhya Pradesh	355.71	7031.37	891.78	17647.33	0.00	0.00	73.63	507.09	31.33	361.25	26.15	541.30	1194.00	2.25	1893.75	26769.44

(Contd.)

Table 5.2 (Contd.)

State/UTs	Fruits			Vegetables			Flowers			Aromatic			Spices			Plantation			Honey		Total	
	Area	Prod.	Area	Prod.	Area	Prod.	Production		Area	Prod.	Area	Prod.		Area	Prod.	Area	Prod.		Area	Prod.		
							Loose	Cut				Loose	Cut				Loose	Cut				
Maharashtra	750.00	11739.42	727.52	10026.05	214.72	410.33	0.02	0.01	5.49	29.08	56.99	34.30	370.60	1.65	1732.05	22634.13						
Manipur	50.43	470.88	44.56	333.20	0.90	0.32	0.22	2.46	0.76	0.05	0.41	10.50	23.10		107.36						830.43	
Meghalaya	35.17	369.23	49.13	520.60	25.48	31.12	0.00	0.00	0.01	0.00	0.35	18.20	88.30	0.25	127.99	1009.84						
Mizoram	63.19	340.51	36.12	169.81	11.93	7.40	0.77	0.82	0.41	0.42	0.00	27.70	103.40	0.18	140.11						622.55	
Nagaland	39.50	380.52	46.21	561.61	2.08	9.35	0.08	0.49	0.07	0.00	8.79	9.90	64.90	0.55	97.84	1026.20						
Odisha	341.17	2429.30	639.70	8766.08	244.90	334.25	1.92	0.61	6.61	2.92	7.36	146.70	202.00	1.35	1381.00	11743.87						
Punjab	90.63	1903.85	244.35	4919.71	0.00	0.00	13.03	2.57	2.07	12.96	0.00	31.40	98.90	15.50	381.48	6958.49						
Rajasthan	59.61	1036.72	173.63	2109.30	0.00	0.00	478.21	384.65	3.40	5.80	0.00	1004.30	1391.70	8.50	1719.15	4936.67						
Sikkim	18.18	26.08	38.42	229.10	0.00	0.00	0.00	0.00	0.24	16.50	0.09	32.30	66.60	0.40	89.14						338.76	
Tamilnadu	304.13	6158.37	254.68	6474.94	626.75	4296.00	11.98	199.03	25.24	301.79	3.81	43.00	113.90	1.90	1265.78	17549.75						
Telangana	171.40	1829.40	112.22	2183.46	0.46	0.29	0.04	1.74	3.71	23.26	19.91	183.20	818.20		471.02	4876.25						
Tripura	58.11	593.37	45.99	827.11	13.57	35.58	0.00	0.00	0.00	0.00	0.00	7.40	36.20		125.08	1492.25						
Uttar Pradesh	476.64	10539.78	1457.23	27515.92	0.00	0.00	135.04	13.53	21.22	46.42	65.20	387.10	281.20	18.90	2477.23	38480.94						
Uttarakhand	177.46	663.23	91.37	946.38	0.00	0.00	0.00	0.00	1.43	2.10	12.55	14.60	36.60	2.70	284.87	1663.56						
West Bengal	260.92	3849.06	1405.25	27565.10	53.21	296.36	0.00	0.00	26.82	79.00	203.84	119.80	334.50	16.50	1865.99	32344.36						
Others	18.72	155.23	40.34	506.76	118.23	144.08	0.00	0.00	7.09	1.02	51.58	3.40	7.70	1.45	187.77						816.75	
Total	6514.08	97054.75	10383.10	179691.80	3724.63	17873.84	748.02	1194.75	342.11	1760.32	768.66	3949.80	8368.60	105.00	25661.74	306817.71						

Source: Department of Agriculture, Cooperation & Farmers Welfare

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

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

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

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

(Contd.)

Table 5.3(a) (Contd.)

Year (1)	Area (2)	Production (3)	Yield (4)
1984-85	0.85	12.57	14806
1985-86	0.84	10.42	12364
1986-87	0.83	12.74	15322
1987-88	0.89	14.05	15869
1988-89	0.93	14.86	15929
1989-90	0.94	14.77	15714
1990-91	0.94	15.21	16254
1991-92	1.03	16.39	15904
1992-93	1.05	15.23	14458
1993-94	1.05	17.39	16610
1994-95	1.07	17.40	16262
1995-96	1.11	18.84	16973
1996-97	1.25	24.22	19376
1997-98	1.21	17.65	14587
1998-99	1.32	23.61	17886
1999-00	1.34	24.71	18443
2000-01	1.22	22.49	18404
2001-02	1.21	23.92	19806
2002-03	1.35	23.27	17300
2003-04	1.29	23.06	17887
2004-05	1.32	23.63	17923
2005-06	1.40	23.91	17058
2006-07	1.48	22.18	14943
2007-08	1.55	28.47	18331
2008-09	1.83	34.39	18810
2009-10	1.84	36.58	19951
2010-11	1.86	42.34	22724
2011-12	1.91	41.48	21753
2012-13	1.99	45.34	22760
2013-14	1.97	41.56	21060
2014-15	2.08	48.01	23126
2015-16	2.12	43.42	20509
2016-17	2.18	48.60	22303
2017-18 (3 rd Adv Est)	2.15	48.53	22558

Source: Department of Agriculture, Cooperation & Farmers Welfare

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

State / UTs	Area	2017-18 (3rd Advance Estimate)						2016-17		
		% to All India	Production	% to All India	Yield	Area	% to All India	Production	% to All India	Yield
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Uttar Pradesh	614.78	28.58	14755.00	30.40	24001	614.35	28.19	15543.00	31.98	25300
West Bengal	432.50	20.10	12652.50	26.07	29554	422.00	19.36	11052.60	22.74	26191
Bihar	323.69	15.05	5719.50	11.79	17670	320.5	14.71	6377.71	13.12	19900
Gujarat	123.75	5.75	3835.79	7.90	30995	122.53	5.62	3797.82	7.81	30995
Madhya Pradesh	136.27	6.33	3144.01	6.48	23073	162.27	7.45	3461.09	7.12	21330
Punjab	98.52	4.58	2571.04	5.30	26096	97.57	4.48	2423.00	4.99	24834
Assam	106.95	4.97	1072.78	2.21	10030	106.44	4.88	777.83	1.60	7308
Haryana	33.24	1.54	813.80	1.68	24484	34.53	1.58	896.95	1.85	25977
Jharkhand	48.06	2.23	683.66	1.42	14329	52.73	2.42	668.66	1.38	12681
Chhattisgarh	44.28	2.06	683.92	1.41	15446	44.08	2.02	678.57	1.40	15394
Others	189.30	8.80	2591.75	5.34	13691	202.28	9.28	2927.35	100.00	14472
All India	2151.33	100.00	48523.75	100.00	22558	2179.25	100.00	48604.57	100.00	79115

Source : Department of Agriculture, Cooperation & Farmers Welfare
Note: States have been arranged in descending order of percentage share in production during 2017-18.

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

Year (1)	Area (2)	Production (3)	Area - Million Hectares
			Production - Million Tonnes
			Yield - Kg./Hectare
1978-79	0.21	2.20	10403
1979-80	0.24	2.50	10232
1980-81	0.25	2.50	9961
1981-82	0.25	2.65	10562
1982-83	0.24	2.43	10330
1983-84	0.27	2.70	9982
1984-85	0.28	3.10	11139
1985-86	0.28	2.86	10202
1986-87	0.26	2.53	9659
1987-88	0.27	2.70	9857
1988-89	0.32	3.35	10620
1989-90	0.30	3.07	10176
1990-91	0.30	3.23	10686
1991-92	0.32	3.58	11088
1992-93	0.32	3.49	10791
1993-94	0.37	4.01	10902
1994-95	0.38	4.04	10661
1995-96	0.40	4.08	10316
1996-97	0.40	4.18	10348
1997-98	0.40	3.62	9091
1998-99	0.47	5.33	11391
1999-00	0.49	4.90	9932
2000-01	0.42	4.55	10786
2001-02	0.45	4.83	10686
2002-03	0.42	4.21	9912
2003-04	0.50	5.92	11784
2004-05	0.55	6.43	11718
2005-06	0.66	8.68	13118
2006-07	0.70	8.89	12655
2007-08	0.70	9.14	12974
2008-09	0.83	13.48	16260
2009-10	0.76	12.16	16079
2010-11	1.06	15.12	14210
2011-12	1.09	17.51	16109
2012-13	1.05	16.81	15989
2013-14	1.20	19.40	16120
2014-15	1.17	18.93	16111
2015-16	1.32	20.93	15857
2016-17	1.31	22.43	17178
2017-18(3rd Adv Est)	1.32	22.07	16781

Source : Department of Agriculture, Cooperation & Farmers Welfare

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

State/UTs	2017-18 (3rd Advance Estimate)						2016-17			
	Area	% to All - India	Production	% to All - India	Yield	Area	% to All - India	Production	% to All - India	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Maharashtra	501.76	38.15	6522.84	29.55	13000	481.05	36.84	6734.74	30.03	14000
Madhya Pradesh	151.35	11.51	3745.57	16.97	24748	150.83	11.55	3721.61	16.59	24675
Karnataka	191.84	14.59	2566.43	11.63	13378	217.82	16.68	3049.48	13.60	14000
Rajasthan	64.15	4.88	1450.00	6.57	22603	62.50	4.79	1149.29	5.12	18389
Gujarat	52.13	3.96	1303.07	5.90	24999	51.61	3.95	1290.17	5.75	24999
Bihar	54.60	4.15	1261.45	5.72	23105	54.06	4.14	1248.96	5.57	23105
Andhra Pradesh	43.87	3.34	1078.22	4.89	24578	41.66	3.19	916.43	4.09	22000
Haryana	29.75	2.26	690.99	3.13	23230	31.01	2.37	682.94	3.05	22027
West Bengal	35.20	2.68	633.60	2.87	18000	29.00	2.22	465.45	2.08	16050
Uttar Pradesh	26.85	2.04	439.64	1.99	16372	26.08	2.00	426.98	1.90	16372
Others	163.75	12.45	2379.43	10.78	14531	186.10	14.25	3168.34	14.13	17025
All India	1315.24	100.00	22071.24	100.00	16781	1305.62	100.00	22427.42	100.00	17178

Source: Department of Agriculture, Cooperation & Farmers Welfare
Note: States have been arranged in descending order of percentage share in production during 2017-18.

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

Year	Area	Production	Area - '000 Hectares
			Production - '000 Metric Tonnes
(1)	(2)	(3)	Yield - Kg./ Hectare
1991-92	1529	10080	6593
2001-02	1893	12822	6773
2002-03	1893	12822	6773
2003-04	1934	12178	6297
2004-05	1935	8829	4563
2005-06	2029	14809	7299
2006-07	1940	15831	8160
2007-08	1903	14748	7750
2008-09	1903	14748	7750
2009-10	1895	15730	8301
2010-11	1896	10840	5717
2011-12	2071	14940	7214
2012-13	2137	15609	7304
2013-14	2140	14911	6966
2014-15	1976	14067	7120
2015-16	2088	15256	7305
2016-17	2082	16486	7918
2017-18(3 rd Adv Est)	2079	16228	7804

Source : Department of Agriculture, Cooperation & Farmers Welfare

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

State/UTs	2017-18 (3rd Advance Estimate)						2016-17			
	Area	% to All - India	Production	% to All - India	Yield	Area	% to All - India	Production	% to All - India	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Kerala	774.19	37.23	5147.39	31.72	6649	770.79	37.02	5137.00	31.16	6665
Karnataka	519.06	24.96	4632.95	28.55	8926	513.85	24.68	4671.07	28.33	9090
Tamil Nadu	448.49	21.57	4213.14	25.96	9394	461.06	22.14	4531.47	27.49	9828
Andhra Pradesh	115.21	5.54	1021.99	6.30	8871	115.21	5.53	950.02	5.76	8246
West Bengal	30.25	1.45	260.50	1.61	8612	29.63	1.42	258.32	1.57	8720
Odisha	50.91	2.45	235.66	1.45	4629	50.91	2.45	235.64	1.43	4629
Gujarat	24.44	1.18	232.17	1.43	9500	24.44	1.17	232.17	1.41	9500
Maharashtra	20.97	1.01	137.49	0.85	6557	20.90	1.00	137.14	0.83	6563
Assam	24.77	1.19	118.57	0.73	4787	20.60	0.99	105.70	0.64	5131
Bihar	14.90	0.72	97.30	0.60	6530	14.90	0.72	97.30	0.59	6530
Others	56.28	2.71	130.61	0.80	4653	59.82	4.76	129.75	0.79	2169
All India	2079.47	100.00	16227.77	100.00	7804	2082.10	100.00	16485.57	100.0	7918

Source : Department of Agriculture, Cooperation & Farmers Welfare

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

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

Year	Area	Productive Area	Production	Yield
(1)	(2)	(3)	(4)	(5)
1990-91	532	464	295	636
1991-92	534	482	305	633
1992-93	560	508	349	687
1993-94	565	517	348	673
1994-95	577	510	322	631
1995-96	635	485	418	862
1996-97	659	515	430	835
1997-98	675	512	360	703
1998-99	706	573	460	803
1999-00	686	601	520	865
2000-01	720	627	450	710
2001-02	750	666	470	710
2002-03	770	675	500	760
2003-04	780	684	535	800
2004-05	820	700	544	810
2005-06	837	760	573	815
2006-07	854	765	620	820
2007-08	868	770	665	860
2008-09	893	835	695	773
2009-10	923	882	613	695
2010-11	945	906	653	720
2011-12	981	935	692	749
2012-13	982	944	728	772
2013-14	1008	966	737	782
2014-15	1027	976	725	706
2015-16	1034	994	670	650
2016-17	1040	1002	779	753
2017-18	1062	1026	817	753

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

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

State	2017-18						2016-17					
	Area	% to All - India	Production	% to All - India	Yield	Area	% to All - India	Production	% to All - India	Production	% to All - India	Yield
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(11)	(11)
Andhra Pradesh	186.78	17.6	116.92	14.3	600	185.57	17.8	111.39	14.3	600		
Odisha	193.99	18.3	98.59	12.1	513	183.32	17.6	93.90	12.0	513		
Karnataka	129.07	12.2	89.45	10.9	672	127.86	12.3	85.15	10.9	672		
Kerala	92.81	8.7	88.18	10.8	962	90.87	8.7	83.98	10.8	962		
Tamil Nadu	142.28	13.4	71.03	8.7	478	141.58	13.6	67.65	8.7	478		
Goa	58.25	5.5	34.26	4.2	561	58.18	5.6	32.66	4.2	561		
Others	67.42	6.3	49.14	6.0	729	67.31	6.5	48.00	6.2	713		
Total	1062.04	100.0	817.00	100.0	753	1040.89	100.0	779.34	100.0	753		

Source : Directorate of Cashewnut and Cocoa Development, Cochin, Kerala
 Note: States have been arranged in descending order of percentage share in production during 2017-18.

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

Year (1)	Area (2)	Area - '000 Hectares		
		Production - '000 Metric Tonnes		
		Yield - Kg./ Hectare		
Year (1)	Area (2)	Production (3)	Yield (4)	
Arecanut				
1997-98	273.70	333.50	1218	
1998-99	277.50	309.80	1116	
1999-00	289.00	334.40	1157	
2000-01	315.20	373.10	1184	
2001-02	340.90	403.10	1182	
2002-03	354.30	415.90	1174	
2003-04	365.00	439.20	1203	
2004-05	364.30	452.70	1243	
2005-06	381.10	483.10	1268	
2006-07	382.38	473.23	1238	
2007-08	386.69	478.07	1236	
2008-09	387.10	481.30	1243	
2009-10	400.10	478.00	1195	
2010-11	400.30	478.10	1194	
2011-12	463.90	680.70	1467	
2012-13	446.39	608.72	1364	
2013-14	451.90	622.27	1377	
2014-15	450.00	747.00	1660	
2015-16	474.36	713.84	1505	
2016-17	454.65	722.85	1590	
2017-18(3 rd Adv Est)	494.60	809.20	1636	
Banana				
1997-98	446.70	12642.50	28302	
1998-99	445.70	12425.40	27878	
1999-00	464.60	11123.50	23942	
2000-01	458.50	12899.20	28133	
2001-02	432.40	12519.20	28953	
2002-03	475.30	13304.40	27992	
2003-04	390.50	11388.00	29163	
2004-05	404.20	11710.30	28972	
2005-06	423.60	12104.50	28575	
2006-07	477.24	16608.71	34802	
2007-08	532.48	17646.81	33141	
2008-09	709.00	26217.00	36977	
2009-10	770.30	26469.50	34363	
2010-11	830.00	29780.00	35880	
2011-12	795.50	28455.10	35725	
2012-13	776.00	26509.00	34161	
2013-14	802.57	29724.55	37037	
2014-15	822.00	29221.00	35549	
2015-16	841.19	29134.82	34635	
2016-17	859.97	30477.22	35440	
2017-18(3 rd Adv Est)	858.73	31082.83	36196	

Source : Department of Agriculture, Cooperation & Farmers Welfare

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

Year (1)	Area (2)	Production (3)	Area - '000 Hectares
			Production - '000 Metric Tonnes
			Yield - Kg./ Hectare (4)
Garlic			
1997-98	108.80	484.40	4452
1998-99	123.20	570.70	4632
1999-00	124.60	524.60	4210
2000-01	69.20	247.10	3571
2001-02	92.20	386.30	4190
2002-03	111.50	457.00	4099
2003-04	138.90	691.10	4976
2004-05	144.10	646.60	4487
2005-06	134.90	598.20	4434
2006-07	159.20	776.26	4876
2007-08	205.08	1068.42	5210
2008-09	181.09	821.16	4535
2009-10	164.86	833.97	5059
2010-11	201.00	1058.00	5264
2011-12	242.49	1228.32	5065
2012-13	247.52	1259.27	5088
2013-14	230.59	1251.88	5429
2014-15	262.00	1425.00	5439
2015-16	280.95	1617.34	5757
2016-17	320.93	1693.20	5276
2017-18(3 rd Adv Est)	303.00	1721.40	5681
Ginger			
1997-98	75.60	252.10	3335
1998-99	77.60	263.20	3392
1999-00	80.80	282.60	3498
2000-01	86.20	288.00	3341
2001-02	91.30	322.10	3528
2002-03	88.20	280.20	3177
2003-04	85.10	301.90	3548
2004-05	95.30	359.00	3767
2005-06	110.60	391.20	3537
2006-07	106.10	393.44	3708
2007-08	104.07	382.57	3676
2008-09	108.64	380.10	3499
2009-10	107.54	385.33	3583
2010-11	149.00	702.00	4711
2011-12	155.06	755.62	4873
2012-13	136.25	682.63	5010
2013-14	132.62	655.06	4939
2014-15	142.00	760.00	5352
2015-16	163.62	1109.18	6779
2016-17	167.59	1069.55	6382
2016-17(3 rd Adv Est)	160.80	1048.30	6519

Source: Department of Agriculture, Cooperation & Farmers Welfare

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

Year (1)	Area (2)	Area - '000 Hectares		
		Production - '000 Metric Tonnes		
		Yield - Kg./ Hectare		
Year (1)	Area (2)	Production (3)	Yield (4)	
Sweet Potato				
1997-98	128.80	1171.00	9092	
1998-99	134.40	1152.40	8574	
1999-00	122.90	1110.60	9037	
2000-01	101.30	838.30	8275	
2001-02	96.70	834.60	8631	
2002-03	104.20	956.20	9177	
2003-04	106.40	937.80	8814	
2004-05	107.20	932.50	8699	
2005-06	106.80	955.10	8943	
2006-07	106.60	963.70	9040	
2007-08	106.00	942.60	8892	
2008-09	124.00	1120.00	9032	
2009-10	118.90	1094.70	9207	
2010-11	113.00	1047.00	9265	
2011-12	110.40	1072.80	9719	
2012-13	111.76	1132.36	10132	
2013-14	105.87	1087.88	10276	
2014-15	107.00	1228.00	11477	
2015-16	126.38	1454.33	11508	
2016-17	128.43	1460.20	11370	
2017-18(3 rd Adv Est)	134.17	1502.77	11201	
Tapioca				
1997-98	264.60	7007.80	26485	
1998-99	243.40	5830.40	23954	
1999-00	223.50	6014.10	26909	
2000-01	251.80	7123.80	28292	
2001-02	247.60	6834.00	27601	
2002-03	189.80	4827.60	25435	
2003-04	219.00	5945.30	27147	
2004-05	229.40	5854.80	25522	
2005-06	242.40	7620.20	31436	
2006-07	256.43	8429.04	32871	
2007-08	253.45	8722.39	34415	
2008-09	280.00	9623.00	34368	
2009-10	231.90	8059.90	34756	
2010-11	221.00	8076.00	36543	
2011-12	226.70	8746.50	38582	
2012-13	206.96	7236.59	34966	
2013-14	228.28	8139.43	35655	
2014-15	208.00	4373.00	21024	
2015-16	203.50	4344.16	21347	
2016-17	198.66	4170.76	20994	
2017-18(3 rd Adv Est)	227.51	4651.08	20443	

Source: Department of Agriculture, Cooperation & Farmers Welfare

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

Year (1)	Area (2)	Production (3)	Yield (4)
Turmeric			
1997-98	139.70	549.20	3931
1998-99	160.70	597.90	3721
1999-00	141.20	668.50	4734
2000-01	191.70	714.30	3726
2001-02	167.10	562.80	3368
2002-03	150.10	522.20	3479
2003-04	150.10	564.90	3763
2004-05	158.70	718.10	4525
2005-06	172.00	851.70	4952
2006-07	178.49	786.75	4408
2007-08	175.28	794.40	4532
2008-09	181.10	821.20	4535
2009-10	180.96	792.98	4382
2010-11	195.00	993.00	5092
2011-12	218.60	1,166.80	5337
2012-13	194.20	971.10	5000
2013-14	232.67	1189.89	5114
2014-15	184.00	830.00	4511
2015-16	185.90	943.30	5074
2016-17	221.78	1056.10	4762
2017-18(3 rd Adv Est)	222.70	1076.60	4834
Chillies (Dried)			
1997-98	840.60	870.10	1035
1998-99	891.20	1043.20	1171
1999-00	959.20	1052.80	1098
2000-01	836.50	983.70	1176
2001-02	880.00	1069.00	1215
2002-03	827.40	894.60	1081
2003-04	774.30	1235.70	1596
2004-05	737.50	1185.50	1607

(Contd.)

Table 5.10 (Contd.)

Year	Area	Production	Yield
(1)	(2)	(3)	(4)
2005-06	654.00	1014.60	1551
2006-07	763.23	1242.11	1627
2007-08	805.81	1297.85	1611
2008-09	779.10	1269.90	1630
2009-10	767.23	1202.94	1568
2010-11	792.00	1223.00	1544
2011-12	804.80	1276.30	1586
2012-13	794.10	1304.40	1643
2013-14	774.87	1492.14	1926
2014-15	761.00	1605.00	2109
2015-16	811.14	1520.39	1874
2016-17	840.11	2096.10	2495
2017-18(3 rd Adv Est)	808.90	2301.10	2845
Coriander			
1997-98	656.50	337.70	514
1998-99	525.80	292.40	556
1999-00	415.10	239.30	576
2000-01	353.60	231.30	654
2001-02	429.20	319.40	744
2002-03	285.80	174.00	609
2003-04	483.50	389.80	806
2004-05	348.90	248.00	711
2005-06	340.40	223.40	656
2006-07	320.83	233.23	727
2007-08	384.22	309.60	806
2008-09	396.85	242.13	610
2009-10	360.00	236.72	658
2010-11	530.00	482.00	909
2011-12	557.90	532.90	955
2012-13	543.20	523.90	964
2013-14	447.13	313.65	701
2014-15	553.00	462.00	835
2015-16	581.60	584.98	1006
2016-17	673.97	883.23	1310
2017-18(3 rd Adv Est)	663.80	860.60	1296

Source : Department of Agriculture, Cooperation & Farmers Welfare

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

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

Year (1)	Area (2)	Production (3)	Yield (4)
Cardamom			
1997-98	94.30	11.70	123
1998-99	85.00	9.00	106
1999-00	84.80	10.70	126
2000-01	92.40	14.50	157
2001-02	91.60	15.20	166
2002-03	88.50	15.40	174
2003-04	95.60	16.70	175
2004-05	95.20	16.90	178
2005-06	95.80	17.80	186
2006-07	98.20	15.70	160
2007-08	81.80	13.40	164
2008-09	91.99	15.45	168
2009-10	90.20	15.72	174
2010-11	87.00	16.00	184
2011-12	89.00	15.80	178
2012-13	92.40	18.40	199
2013-14	92.84	21.28	229
2014-15	100.00	24.00	240
2015-16	85.66	24.07	281
2016-17	84.68	27.66	327
2017-18(3 rd Adv Est)	84.00	28.80	343
Pepper			
1997-98	181.50	57.30	316
1998-99	239.80	75.70	316

(Contd.)

Table 11 (*Contd.*)

Year (1)	Area (2)	Production (3)	Yield (4)
1999-00	195.60	59.00	302
2000-01	213.90	63.70	298
2001-02	219.38	62.44	285
2002-03	224.40	71.70	320
2003-04	233.40	73.20	314
2004-05	228.30	73.02	320
2005-06	260.23	92.90	357
2006-07	245.96	69.01	281
2007-08	197.00	47.06	239
2008-09	238.71	47.40	199
2009-10	195.92	51.02	260
2010-11	184.00	52.00	183
2011-12	200.30	40.60	203
2012-13	124.60	52.60	422
2013-14	123.81	50.87	411
2014-15	129.00	65.00	504
2015-16	128.59	54.64	425
2016-17	132.35	72.25	546
2017-18(3 rd Adv Est)	136.10	69.60	511

Source : Department of Agriculture, Cooperation & Farmers Welfare

6

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

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

Crops	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18 ^a	(TIE; 2007-08=100)
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Rice	100.3	104.0	95.7	97.9	100.5	97.6	100.8	100.7	99.3	100.5	100.0	
Wheat	101.9	100.9	103.5	105.7	108.6	109.1	110.8	114.4	110.6	111.9	107.5	
Jowar	93.5	90.7	93.8	88.9	75.2	74.9	69.8	74.2	73.2	67.8	59.8	
Bajra	100.2	91.6	93.2	100.6	91.9	76.4	81.8	76.6	74.6	78.1	77.3	
Maize	103.2	103.9	105.0	108.7	111.6	110.2	115.3	116.8	111.9	122.5	120.4	
Ragi	101.5	101.1	92.8	94.1	86.1	82.8	87.4	88.4	83.3	74.4	87.8	
Small Millets	100.1	87.2	80.0	77.1	77.0	72.7	65.7	56.8	62.6	59.6	50.6	
Barley	96.2	112.7	99.6	112.6	102.7	111.0	107.5	113.0	94.1	104.8	105.7	
Coarse Cereals	99.9	97.9	98.5	101.2	96.4	92.1	94.4	95.0	91.3	95.3	93.0	
Cereals	100.9	101.6	99.5	101.8	103.3	101.6	104.0	105.7	102.9	104.5	102.1	
Tur	102.8	93.2	95.7	120.5	110.6	107.5	107.8	106.4	109.4	147.3	122.3	
Gram	103.0	107.8	111.6	125.5	113.4	116.4	135.6	112.7	114.7	131.5	144.2	
Moong	111.5	85.0	91.8	108.0	101.3	81.3	101.2	90.3	114.5	129.4	127.3	
Urad	104.1	87.4	96.6	105.4	104.4	101.8	98.8	104.8	117.0	144.6	175.6	
Lentil	91.5	96.4	103.7	111.9	109.5	99.7	94.0	102.9	89.4	102.4	108.9	
Other Pulses	96.4	91.5	96.3	102.7	93.3	83.3	84.5	87.2	89.7	98.9	88.1	
Total Pulses	102.4	97.3	102.2	116.4	107.6	103.9	112.8	104.2	109.0	129.7	132.5	
Foodgrains	101.2	100.9	100.0	104.4	104.1	102.0	105.6	105.4	103.9	109.0	107.4	

(Contd.)

Table 6.1 (Contd.)

Crops	2007-08	2008-09	2009-10	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)
Groundnut	101.2	99.2	88.1	94.2	84.7	76.0	88.6	76.7	74.0	85.9	79.1
Castor	103.6	114.0	96.7	115.9	193.6	162.4	139.9	143.4	139.6	106.3	108.7
Niger	94.7	91.4	87.3	86.2	84.7	72.1	69.4	53.9	58.5	59.6	52.2
Sesamum	103.3	103.9	111.5	119.6	109.2	97.9	96.4	100.2	112.0	95.7	89.7
R & M	87.9	95.0	84.3	104.1	88.9	96.0	100.2	87.5	86.7	91.6	89.9
Linseed	104.7	91.2	76.5	80.4	72.2	66.3	65.6	63.9	58.8	72.7	73.3
Safflower	90.5	83.2	81.3	68.9	70.7	51.8	50.2	49.4	36.0	40.8	21.2
Sunflower	89.4	84.8	69.0	43.4	34.2	38.8	31.4	27.6	22.8	17.8	13.4
Soybean	106.9	114.5	117.2	115.6	121.7	130.5	141.1	131.4	139.7	134.6	126.1
Total Oilseeds	98.5	101.8	94.8	101.0	97.5	97.5	104.1	94.3	95.4	97.1	91.6
Sugarcane	105.3	91.9	86.9	101.7	104.9	104.1	104.0	105.5	102.6	92.4	98.5
Cotton	103.7	103.6	111.6	123.8	134.1	131.9	131.7	141.2	135.4	119.3	136.9
Jute	103.2	99.6	102.8	98.1	102.5	98.4	95.8	95.0	92.3	89.5	86.0
Mesta	102.9	81.1	66.3	69.4	67.3	60.4	57.4	42.2	38.0	40.4	40.3
Coconut	98.7	98.7	98.2	98.3	105.9	110.8	110.9	102.4	108.2	107.9	107.8
Cotton seed	103.7	103.6	111.6	123.8	134.1	131.9	131.7	141.2	135.4	119.3	136.9
Samnhamph	97.2	82.1	76.0	87.8	64.3	53.2	39.0	39.0	33.4	32.8	NA
Potato	105.0	123.6	124.0	125.9	127.6	134.6	133.3	140.3	143.1	147.3	145.4
Tapioca	101.1	111.7	92.5	88.1	68.2	82.5	90.9	82.9	81.4	79.4	90.9
Sweet potato	99.6	116.8	111.8	106.1	107.1	105.2	99.6	100.5	118.3	120.2	125.9

(Contd.)

Table 6.1 (Contd.)

Crops	2007-08	2008-09	2009-10	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)
Onion	102.2	121.0	109.6	154.3	151.6	152.6	174.6	170.1	191.5	189.4	190.7
Banana	111.5	148.4	161.2	173.7	173.7	162.4	168.1	172.1	176.0	180.0	179.8
Tobacco	95.9	107.6	122.4	135.8	128.3	117.3	125.5	125.5	124.1	110.1	NA
Guar seed	106.6	118.6	91.8	104.4	105.7	158.2	183.1	183.1	172.0	126.0	NA
Black pepper	84.0	101.8	83.6	78.5	85.3	53.3	52.9	55.0	55.0	56.3	58.0
Dry chillies	108.7	105.1	103.5	106.9	108.0	107.2	104.6	102.7	109.4	113.4	109.2
Dry ginger	97.4	101.6	101.0	139.3	145.0	127.2	124.4	132.8	153.4	157.1	150.6
Turmeric	100.0	103.3	103.3	111.3	124.4	110.7	132.9	105.0	106.1	126.7	127.2
Arecanut	100.9	100.9	104.3	104.3	117.4	116.3	117.9	117.4	123.6	118.7	129.1
Cardamom	89.0	100.1	97.9	94.6	94.6	100.1	101.2	108.8	93.5	92.5	91.4
Coriander	110.3	113.9	103.3	152.1	161.9	155.8	128.3	158.7	167.0	193.4	190.5
Garlic	123.3	99.9	99.2	120.8	147.2	149.0	138.8	157.5	168.9	192.9	182.1
Tea	102.0	102.0	102.0	102.0	102.0	99.9	99.9	99.9	99.9	NA	NA
Coffee	100.4	102.2	103.7	105.1	105.1	107.5	111.2	112.6	115.8	NA	NA
Rubber ^	103.1	107.5	111.4	111.4	111.4	126.3	126.3	129.1	131.6	132.8	133.2
Non Foodgrains	103.0	106.0	104.2	113.8	115.7	116.1	119.2	118.7	119.5	114.2	113.8
All Crops	102.1	103.4	102.1	109.0	109.8	109.0	112.3	112.0	111.6	111.5	110.6

Source: Directorate of Economics & Statistics, DAC&FW

* As per 4th Advance Estimates. ^ - 2017-18 Provisional NA: Not Available

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

Crops	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18*	(TE: 2007-08=100)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	
Rice	102.9	105.6	94.8	102.2	112.1	112.0	113.5	112.3	111.1	116.8	120.2	
Wheat	105.4	108.2	108.3	116.5	127.2	125.4	128.5	116.0	123.7	132.1	133.7	
Jowar	104.7	95.7	88.5	92.5	79.0	69.8	73.2	71.9	56.0	60.4	65.5	
Bajra	114.7	102.2	74.8	119.3	118.2	100.6	106.4	105.7	92.8	111.9	105.0	
Maize	116.6	121.4	102.9	133.7	133.9	136.9	149.3	148.7	138.8	159.3	176.7	
Ragi	108.5	102.9	95.2	110.6	97.3	79.4	100.0	103.9	91.9	69.8	99.7	
Small Millets	110.0	88.8	76.3	88.3	90.2	87.0	85.9	77.1	78.1	88.3	87.2	
Barley	95.8	135.3	108.5	133.2	129.7	140.4	146.7	129.2	115.2	140.0	142.0	
Coarse Cereals	112.1	110.0	92.3	118.9	114.8	109.2	118.0	116.7	104.6	118.8	127.4	
Cereals	105.5	107.4	100.2	111.1	119.1	117.3	120.7	114.6	115.5	123.7	127.2	
Tur	113.5	83.6	91.0	105.6	98.0	111.6	117.2	103.6	94.5	179.9	157.0	
Gram	97.5	119.8	126.8	139.5	130.7	149.9	161.6	124.4	119.7	159.1	190.5	
Moong	127.4	86.6	57.9	155.9	150.7	99.3	134.4	125.8	133.3	181.2	168.1	
Urad	106.4	85.9	90.3	127.0	126.4	140.7	121.3	139.9	138.9	202.2	254.4	
Lentil	91.2	107.1	115.9	106.0	118.9	127.4	114.3	116.3	109.6	137.5	180.4	
Other Pulses	104.3	101.2	85.6	127.1	103.9	108.4	110.2	124.2	109.4	131.3	127.0	
Total Pulses	105.2	102.1	102.3	129.4	121.6	129.4	135.6	122.0	116.7	165.5	180.6	
Foodgrains	105.4	106.5	100.6	114.3	119.5	119.4	123.3	115.9	115.7	131.1	136.6	

(Contd.)

Table 6.2 (Contd.)

Crops	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18 ^a
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Groundnut	125.0	97.6	73.9	112.5	94.8	63.9	132.2	100.8	91.7	101.6	124.9
Castor	112.6	125.2	107.9	144.3	245.3	209.9	184.6	199.9	187.3	147.1	167.6
Niger	97.1	103.7	88.6	95.5	87.0	89.4	86.7	67.6	65.8	75.5	65.4
Sesamum	112.6	95.3	87.5	132.9	120.6	101.9	106.3	123.2	126.5	111.1	111.7
R & M	81.8	100.9	92.6	114.6	92.6	112.5	110.4	88.1	95.3	111.0	116.6
Linseed	97.3	100.8	91.5	87.2	90.8	88.5	84.4	92.1	74.7	109.7	104.3
Safflower	97.1	81.9	77.4	65.1	62.9	46.9	49.1	39.0	22.9	40.6	20.5
Sunflower	106.3	84.1	61.8	47.3	37.5	39.5	36.6	31.5	21.5	18.3	15.4
Soybean	117.1	105.8	106.4	136.0	130.4	156.6	126.7	110.8	91.5	140.5	117.3
Total Oilseeds	108.6	100.8	88.9	116.8	106.5	107.4	119.0	99.7	92.5	111.2	114.1
Sugarcane	106.1	86.8	89.0	104.3	110.0	103.9	107.3	110.4	106.1	93.2	114.8
Cotton	115.9	99.7	107.5	147.7	157.6	153.2	160.7	155.8	134.3	145.8	156.2
Jute	100.5	94.7	110.4	98.4	105.6	101.7	109.0	104.4	97.8	102.6	94.7
Mesta	105.5	77.9	62.5	65.1	70.6	62.8	64.6	54.1	62.1	56.5	54.2
Coconut	97.4	97.5	104.0	104.1	104.1	149.9	154.2	135.1	146.5	158.3	155.9
Cotton seed	115.9	99.7	107.5	147.7	157.6	153.2	160.7	155.8	134.3	145.8	156.2
Sanhemp	98.6	93.1	74.8	115.3	132.2	100.7	64.4	64.4	70.8	77.3	NA
Potato	114.6	138.4	147.2	170.4	187.4	182.5	167.2	193.2	174.7	195.6	195.3
Tapioca	105.6	116.5	97.6	97.8	77.0	87.6	98.6	53.0	52.6	50.5	56.3
Sweet potato	98.8	117.4	114.8	109.8	112.2	118.7	114.1	128.7	152.4	153.1	157.6

(Contd.)

Table 6.2 (Contd.)

Crops	2007-08	2008-09	2009-10	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)
Onion	102.7	152.4	136.6	169.8	183.6	188.9	218.0	212.6	235.1	251.9	247.9
Banana	114.2	169.7	171.3	192.7	172.5	171.5	192.4	189.1	188.5	197.2	201.1
Tobacco	93.0	121.0	147.4	176.9	160.0	139.8	156.4	156.4	170.8	171.4	NA
Guar seed	133.6	144.6	44.3	147.2	165.6	183.8	268.0	268.0	211.0	138.1	NA
Black pepper	67.6	68.0	73.2	74.6	63.2	76.1	73.2	93.3	78.9	103.3	100.5
Dry chillies	109.5	107.2	101.5	103.2	106.0	110.1	125.9	135.5	128.3	176.9	194.2
Dry ginger	98.3	97.7	99.0	180.4	194.1	175.5	168.4	195.3	285.0	275.0	269.4
Turmeric	98.0	101.3	97.8	122.4	141.2	119.7	146.7	102.3	116.3	130.2	132.8
Arecanut	100.0	100.6	100.0	100.0	130.3	127.4	130.1	156.2	149.3	151.2	169.2
Cardamom	85.7	99.1	102.3	102.3	102.3	115.1	134.3	153.5	153.5	179.1	185.5
Coriander	121.2	94.8	92.8	188.7	211.8	205.2	122.9	180.9	229.1	345.7	337.1
Garlic	131.2	102.1	102.4	129.9	150.6	154.6	153.8	175.0	198.6	207.9	211.3
Tea	101.5	101.0	101.0	101.0	101.0	101.0	124.4	123.2	126.9	NA	NA
Coffee	95.4	95.5	105.4	110.0	110.0	110.0	110.9	119.1	126.7	NA	NA
Rubber ^	99.8	104.5	100.5	100.5	100.5	100.4	93.6	78.0	68.0	83.6	83.9
Non Foodgrains	108.6	107.6	105.0	127.9	129.3	128.6	136.4	132.3	126.1	132.5	136.9
All Crops	107.0	107.0	102.8	121.0	124.3	124.0	129.8	124.0	120.8	131.8	136.7

Source: Directorate of Economics & Statistics, DAC&FW

* As per 4th Advance Estimates. ^ - 2017-18 Provisional NA: Not Available

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

Crops	2007-08	2008-09	2009-10	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	102.6	101.5	99.1	104.4	111.5	114.8	112.6	111.5	111.9	116.2	120.2
Wheat	103.4	107.2	104.7	110.2	117.2	115.0	116.0	101.4	111.9	118.0	124.3
Jowar	112.0	105.5	94.3	104.1	105.0	93.2	104.9	96.9	76.5	89.1	109.4
Bajra	114.5	111.6	80.3	118.6	128.7	131.7	130.2	137.9	124.4	143.4	135.9
Maize	113.0	116.8	97.9	122.9	119.9	124.2	129.5	127.4	124.0	130.1	146.7
Ragi	106.9	101.7	102.6	117.5	113.0	95.9	114.4	117.5	110.3	93.9	113.6
Small Millets	109.9	101.9	95.3	114.6	117.2	119.8	130.6	135.7	124.7	148.0	172.4
Barley	99.6	120.1	109.0	118.3	126.2	126.5	136.4	114.4	122.4	133.6	134.4
Coarse Cereals	112.3	112.4	93.8	117.5	119.1	118.6	125.0	122.9	114.5	124.7	137.0
Cereals	104.5	105.7	100.7	109.1	115.3	115.4	116.0	108.5	112.3	118.3	124.6
Tur	110.4	89.7	95.1	87.6	88.6	103.8	108.7	97.4	86.4	122.1	128.4
Gram	94.7	111.1	113.7	111.2	115.3	128.7	119.2	110.4	104.4	121.0	132.1
Moong	114.3	101.8	63.1	144.3	148.7	122.1	132.8	139.3	116.5	140.0	132.1
Urad	102.2	98.3	93.4	120.5	121.1	138.3	122.7	133.5	118.8	139.9	144.9
Lentil	99.6	111.1	111.7	94.7	103.6	127.7	121.6	113.0	122.6	134.3	165.7
Other Pulses	108.2	110.6	88.8	123.7	111.4	130.2	130.4	142.4	121.9	132.7	144.2
Total Pulses	102.8	104.9	100.1	111.2	113.1	124.4	120.2	117.0	107.0	127.6	136.3
Foodgrains	104.2	105.6	100.6	109.5	114.9	117.1	116.8	110.0	111.3	120.3	127.1
Groundnut	123.5	98.4	83.8	119.4	111.9	84.1	149.3	131.3	123.9	118.2	158.0

(Contd.)

Table 6.3 (Contd.)

Crops	2007-08	2008-09	2009-10	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)
Castor	108.7	109.8	111.5	124.6	126.7	129.3	131.9	139.4	134.1	138.4	154.3
Niger	102.5	113.5	101.5	110.7	102.7	123.9	124.9	125.2	112.6	126.7	125.4
Sesamum	109.0	91.7	78.5	111.1	110.4	104.1	110.3	122.9	112.9	116.1	124.6
R & M	93.1	106.3	109.9	110.2	104.1	117.3	110.2	100.7	109.9	121.1	129.8
Linseed	93.0	110.4	119.6	108.6	125.8	133.5	128.7	144.2	127.1	150.8	142.3
Safflower	107.3	98.4	95.1	94.5	88.9	90.6	97.7	78.9	63.6	99.7	96.9
Sunflower	118.9	99.2	89.5	108.9	109.7	101.8	116.6	114.4	94.5	102.5	114.7
Soybean	109.5	92.4	90.8	117.6	107.2	120.0	89.8	84.3	65.5	104.4	93.0
Total Oilseeds	110.3	99.0	93.8	115.7	109.3	110.1	114.3	105.7	97.0	114.5	124.5
Sugarcane	100.8	94.4	102.4	102.5	104.8	99.8	103.2	104.6	103.5	100.9	116.5
Cotton	111.7	96.2	96.4	119.4	117.5	116.1	122.0	110.3	99.2	122.3	114.1
Jute	97.4	95.1	107.4	100.4	103.0	103.3	113.7	109.9	105.9	114.6	110.1
Mesta	102.5	96.0	94.3	93.8	105.0	104.0	112.6	128.1	163.5	139.9	134.5
Coconut	98.8	98.8	105.8	105.9	98.3	135.3	139.0	131.9	135.4	146.7	144.6
Cotton seed	111.7	96.2	96.4	119.4	117.5	116.1	122.0	110.3	99.2	122.3	114.1
Sanhemp	101.4	113.4	98.4	131.3	205.5	189.3	165.1	165.1	212.1	235.9	NA
Potato	109.1	112.0	118.7	135.3	146.8	135.5	125.4	137.7	122.1	132.8	134.3
Tapioca	104.5	104.4	105.5	111.0	112.9	106.2	108.4	63.8	64.7	63.7	62.0
Sweet potato	99.3	100.6	102.7	103.4	104.8	112.8	114.6	128.1	128.8	127.3	125.2
Onion	100.5	125.9	124.6	110.0	121.1	123.8	124.8	125.0	122.8	133.0	130.0

(Contd.)

Table 6.3 (Contd.)

Crops	2007-08	2008-09	2009-10	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)
Banana	102.5	114.3	106.3	110.9	99.3	105.6	114.4	109.9	107.1	109.6	111.9
Tobacco	97.0	112.5	120.4	130.3	124.6	119.2	124.6	124.6	137.6	155.7	NA
Guar seed	125.3	121.9	48.3	141.0	156.6	116.2	146.4	146.4	122.6	109.7	NA
Black pepper	80.4	66.8	87.5	95.1	74.0	142.7	138.4	169.5	143.5	183.5	173.2
Dry chillies	100.7	101.9	98.1	96.6	98.2	102.7	120.4	131.9	117.2	156.0	177.9
Dry ginger	101.0	96.2	98.0	129.5	133.9	138.0	135.4	147.1	185.9	175.1	178.9
Turmeric	97.9	98.0	94.7	110.1	113.5	108.2	110.4	97.5	109.6	102.8	104.4
Arecanut	99.1	99.7	95.8	95.8	111.0	109.5	110.3	133.1	120.8	127.4	131.1
Cardamom	96.3	99.1	104.5	108.1	108.1	115.1	132.8	141.1	164.1	193.7	203.0
Coriander	109.9	83.2	89.8	124.1	130.9	131.7	95.8	114.0	137.1	178.7	176.9
Garlic	106.4	102.2	103.3	107.6	102.3	103.7	110.8	111.1	117.6	107.8	116.1
Tea	99.6	99.0	99.0	99.0	99.0	101.1	124.6	123.4	127.1	NA	NA
Coffee	95.0	93.4	101.7	104.6	104.6	102.3	99.7	105.7	109.4	NA	NA
Rubber ^	96.8	97.3	90.2	90.2	90.2	79.4	74.1	60.4	51.6	62.9	63.0
Non Foodgrains	105.4	101.5	100.7	112.4	111.7	110.8	114.4	111.5	105.5	116.1	120.2
All Crops	104.8	103.5	100.7	111.0	113.2	113.7	115.5	110.8	108.3	118.1	123.6

Source: Directorate of Economics & Statistics, DAC&FW

* As per 4th Advance Estimates. ^ - 2017-18 Provisional NA: Not Available

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

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

Year	Index of Prices Received (IPR)	Index of Price Paid (IPP) for				Index of Terms of Trade (ITT)
		Final Consumption (IPP-FC)	Intermediate Consumption (IPP-IC)	Capital Formation (IPP-CF)	Combined Index (IPP)	
Weight→		38.19	43.44	18.37	100.00	(Col-2/6*100)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
2004-05	62.35	80.18	62.12	73.06	71.03	87.78
2005-06	61.40	80.31	64.60	74.53	72.42	84.77
2006-07	63.97	77.66	67.75	78.37	73.48	87.05
2007-08	72.06	82.80	71.52	84.11	78.14	92.22
2008-09	82.06	85.61	74.72	92.10	82.07	99.98
2009-10	90.89	91.75	89.09	92.71	90.77	100.13
2010-11	101.29	97.31	98.94	99.33	98.39	102.95
2011-12	107.82	110.95	111.98	107.96	110.84	97.27
2012-13	119.49	119.80	128.36	115.21	122.67	97.40
2013-14	131.67	128.28	144.83	117.84	133.55	98.60
2014-15	138.21	132.49	157.70	122.70	141.64	97.58
2015-16	142.78	139.46	164.85	121.90	147.26	96.96
2016-17	151.04	144.15	172.36	122.67	152.46	99.07
2017-18(P)	153.11	151.35	176.98	125.99	157.83	97.01

Source: Directorate of Economics & Statistics, DAC&FW

P-Provisional

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

Year	Index of Prices Received for				Index of Prices Paid for Final Consumption for				Index of Prices Paid for				(Base: TE; 2011-12=100)
	Farmers	Agricultural Labourers	Index of Prices Received (IPR)	Farmers	Agricultural Labourers	Combined Index for Final Consumption (IPP-FC)	Intermediate Consumption (IPP-IC)	Capital Formation (IPP-CF)	Combined Index for Prices Paid		Index of Terms of Trade (ITT)		
									(5)	(6)	(7)	(8)	(9)
Weight→	94.04	5.96	100.00	71.35	28.65	55.38	25.62	19.00	100.00	100.00	100.00	100.00	Col-4/10*100
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(10)	(10)	(10)	(11)
2004-05	62.35	49.07	61.56	80.18	76.40	79.09	69.58	73.06	75.51	75.51	75.51	75.51	81.52
2005-06	61.40	55.22	61.03	80.31	77.01	79.36	71.69	74.53	76.48	76.48	76.48	76.48	79.80
2006-07	63.97	58.29	63.63	77.66	75.05	76.91	75.55	78.37	76.84	76.84	76.84	76.84	82.81
2007-08	72.06	61.83	71.45	82.80	82.10	82.60	80.51	84.11	82.35	82.35	82.35	82.35	86.76
2008-09	82.06	76.28	81.72	85.61	84.55	85.31	87.09	92.10	87.06	87.06	87.06	87.06	93.86
2009-10	90.89	85.61	90.57	91.75	91.40	91.65	92.67	92.71	92.11	92.11	92.11	92.11	98.33
2010-11	101.29	98.17	101.10	97.31	97.47	97.35	99.42	99.33	98.26	98.26	98.26	98.26	102.90
2011-12	107.82	116.22	108.32	110.95	111.14	111.00	107.91	107.96	109.63	109.63	109.63	109.63	98.81
2012-13	119.49	133.83	120.34	119.80	118.76	119.50	121.44	115.21	119.18	119.18	119.18	119.18	100.97
2013-14	131.67	151.40	132.85	128.28	129.25	128.56	130.34	117.84	126.98	126.98	126.98	126.98	104.62
2014-15	138.21	179.32	140.66	132.49	133.48	132.77	135.30	122.70	131.51	131.51	131.51	131.51	106.96
2015-16	142.78	185.04	145.30	139.46	141.16	139.94	138.33	121.90	136.10	136.10	136.10	136.10	106.76
2016-17	151.04	197.32	153.80	144.15	146.83	144.92	143.42	122.67	140.30	140.30	140.30	140.30	109.62
2017-18(P)	153.11	205.95	156.26	151.35	154.13	152.15	143.31	125.99	144.91	144.91	144.91	144.91	107.83

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

7

Area, Production and Yield of Major Crops in Different Countries

Table 7.1: Area, Production and Yield of Principal Crops in various Countries in 2016

Country	Area (1)	Production (2)	Yield (3)	Production (%) (4)	Area - '000 Hectares Production - '000 Metric Tonnes Yield - Kg./ Hectare
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	
Viet Nam	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	
United States of America	35106	384778	10960	34.97	
China	44178	263613	5967	23.96	
Brazil	14959	64143	4288	5.83	

(Contd.)

Table 7.1 (*Contd.*)

Country (1)	Area (2)	Production (3)	Yield (4)	Production (%) (5)
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
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

(Contd.)

Table 7.1 (*Contd.*)

Country (1)	Area (2)	Production (3)	Yield (4)	Production (%) (5)
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	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 7.2: India's Position in World Agriculture in 2016

Item	India	World	% Share	India's Rank	Next to
(1)	(2)	(3)	(4)	(5)	(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
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	

(Contd.)

Table 7.2 (Contd.)

Item	India	World	% Share	India's Rank	Next to (6)
(1)	(2)	(3)	(4)	(5)	(6)
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
(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

* Data relates to 2013

Source: FAOSTAT (as on 03.01.2019)

8

Minimum Support Prices/ Marketed Surplus Ratios

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

Sl. No.	Commodity	Variety	(As on 26.11.2018) (₹ per quintal)				
			2014-15	2015-16	2016-17	2017-18	2018-19
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Kharif Crops							
1	Paddy	Common	1360	1410	1470	1550	1750
		Grade A'	1400	1450	1510	1590	1770
2	Jowar	Hybrid	1530	1570	1625	1700	2430
		Maldandi	1550	1590	1650	1725	2450
3	Bajra		1250	1275	1330	1425	1950
4	Maize		1310	1325	1365	1425	1700
5	Ragi		1550	1650	1725	1900	2897
6	Arhar(Tur)		4350	4625^	5050^^	5450^	5675
7	Moong		4600	4850^	5225^^	5575^	6975
8	Urad		4350	4625^	5000^^	5400^	5600
9	Cotton	Medium Staple	3750	3800	3860	4020	5150
		Long Staple	4050	4100	4160	4320	5450
10	Groundnut In Shell		4000	4030	4220*	4450^	4890
11	Sunflower Seed		3750	3800	3950*	4100*	5388
12	Soyabean		2560	2600	2775*	3050^	3399
13	Sesamum		4600	4700	5000^	5300*	6249
14	Nigerseed		3600	3650	3825*	4050*	5877
Rabi Crops							
15	Wheat		1450	1525	1625	1735	1840
16	Barley		1150	1225	1325	1410	1440
17	Gram		3175	3500**	4000^	4400@	4620
18	Masur (Lentil)		3075	3400**	3950@	4250*	4475
19	Rapeseed/Mustard		3100	3350	3700*	4000*	4200
20	Safflower		3050	3300	3700*	4100*	4945
21	Toria		3020	3290	3560	3900	4190
Other Crops							
22	Copra (Calendar Year)	Milling	5250	5550	5950	6500	7511
		Ball	5500	5830	6240	6785	7750
23	De-Husked Coconut (Calendar Year)		1425	1500	1600	1760	2030
24	Jute		2400	2700	3200	3500	3700
25	Sugarcane ^{\$}		220	230	230	255	275

Source: Directorate of Economics & Statistics, DAC&FW

^{\$} 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 8.2: Central Issue Prices of Rice, Wheat and Nutri grains

Period	APL/ Tide Over		BPL	AAY (*)	NFSA (AAY & PHH)
	Normal*	Grade "A"	Normal/Grade 'A'		
(1)	(2)	(3)	(4)	(5)	(6)
Rice (₹ Per Quintal)					
01.12.1997 to 28.01.1999	550	700	350		
29.01.1999 to 31.3.2000	700	905	350		
01.04.2000 to 24.7.2000	1135	1180	590		
25.07.2000 to 11.07.2001	1087	1130	565	300	
12.07.2001 to 31.03.2002	795	830	565	300	
01.04.2002 to 30.06.2002	695	730	565	300	
01.07.2002 to till date	795	830	565	300	
05.07.2013 to till date	795	830 (Tide over)	830 (Tide over)	300	300
Period	APL	BPL	AAY(*)	NFSA (AAY/ PHH)	
(1)	(2)	(3)	(4)	(5)	
Wheat (₹ Per Quintal)					
01.12.1997 to 28.01.1999	450	250			
29.01.1999 to 31.03.1999	650	250			
01.04.1999 to 31.03.2000	682	250			
01.04.2000 to 24.07.2000	900	450			
25.07.2000 to 11.07.2001	830	415	200		
12.07.2001 to 31.03.2002	610	415	200		
01.04.2002 to 30.06.2002	510	415	200		
01.07.2002 to till date	610	415	200		
05.07.2013 to till date	610 (Tide over)			200	
Period	APL	BPL	AAY(*)	NFSA (AAY/ PHH)	
(1)	(2)	(3)	(4)	(5)	
Nutri Grains (₹ Per Kg.)					
w.e.f. 16.11.2005	70% of economic cost	50% of economic cost		2.00	
2008-09 to till date	4.50	3.00	1.50		
05.07.2013 to till date				1.00	

Source: Department of Food & Public Distribution

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

NFSA: National Food Security Act, PHH: Priority Households

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

(*) With effect from December, 2000.

Table 8.3: 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 8.3 (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
	Maharashtra	56971.09	14.08

(Contd.)

Table 8.3 (*Contd.*)

Crop	State	Cost of Cultivation* (₹/Hectare)	Yield (Qtl./Hectare)
(1)	(2)	(3)	(4)
Gram	Odisha	14547.66	3.29
	Uttar Pradesh	25440.28	8.33
	Andhra Pradesh	34335.22	9.88
	Bihar	21810.31	15.72
	Chhattisgarh	19678.13	5.66
	Haryana	26386.24	14.23
Urad	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
Moong	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
Lentil	Uttar Pradesh	14154.65	2.16
	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
Groundnut	Rajasthan	16780.67	3.99
	Bihar	17263.59	9.87
	Madhya Pradesh	19785.25	10.11
	Uttar Pradesh	18971.77	4.34
	West Bengal	27090.87	11.36
	Andhra Pradesh	42935.83	14.03
Karnataka	Gujarat	58373.60	18.53
		41054.07	7.99

(Contd.)

Table 8.3 (*Contd.*)

Crop	State	Cost of Cultivation* (₹/Hectare)	Yield (Qtl./Hectare)
(1)	(2)	(3)	(4)
	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 8.3 (*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 8.4: Marketed Surplus Ratio (MSR) of Important Agricultural Commodities in various States (Based on Comprehensive Scheme for Studying Cost of Cultivation of Principal Crops in India)

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

(Contd.)

Table 8.4 (Contd.)

Group of Crops	State	MSR		
		2012-13	2013-14	2014-15
(1)	(2)	(3)	(4)	(5)
4. Jowar	Andhra Pradesh	51.18	95.51	93.89
	Karnataka	58.52	73.97	86.17
	Madhya Pradesh	89.32	85.66	98.53
	Maharashtra	60.98	62.06	45.45
	Rajasthan	76.42	-	67.07
	All-India	64.14	70.62	66.64
5. Bajra	Gujarat	86.35	77.39	74.38
	Haryana	91.71	86.15	89.89
	Maharashtra	55.09	72.51	47.16
	Rajasthan	61.90	61.72	60.21
	Uttar Pradesh	83.79	77.68	80.02
	All-India	76.77	71.11	68.42
6. Barley	Rajasthan	85.00	87.53	87.50
	Uttar Pradesh	33.71	66.18	47.62
	All-India	67.39	80.63	77.67
7. Ragi	Andhra Pradesh	-	-	-
	Karnataka	29.53	44.11	48.92
	All-India	29.53	44.11	48.92
II. Pulses				
8. Arhar	Karnataka	96.34	97.81	97.40
	Madhya Pradesh	94.07	93.43	93.36
	Maharashtra	83.30	89.13	85.16
	Orissa	74.58	73.85	54.37
	Uttar Pradesh	67.24	53.54	84.82
	All-India	84.33	86.99	88.21
9. Gram	Bihar	68.06	77.97	80.42
	Madhya Pradesh	89.04	90.30	93.31
	Rajasthan	80.23	91.23	94.14
	Uttar Pradesh	61.91	80.59	67.42
	All-India	83.67	89.58	91.10
10. Urad	Andhra Pradesh	92.91	99.03	99.60
	Madhya Pradesh	98.05	93.09	91.60
	Maharashtra	-	56.02	84.99
	Orissa	70.55	70.06	86.64

(Contd.)

Table 8.4 (Contd.)

Group of Crops	State	MSR		
		2012-13	2013-14	2014-15
(1)	(2)	(3)	(4)	(5)
	Rajasthan	78.55	48.00	-
	Tamil Nadu	89.34	96.86	98.09
	Uttar Pradesh	83.44	61.90	83.31
	All-India	89.65	80.71	92.25
11. Moong	Andhra Pradesh	93.54	100.00	100.00
	Maharashtra	85.26	87.50	100.00
	Orissa	73.88	79.34	75.55
	Rajasthan	83.57	94.27	89.81
	All-India	85.55	92.22	90.65
12. Lentil	Bihar	67.49	99.83	87.58
	Madhya Pradesh	96.00	95.48	98.63
	Uttar Pradesh	92.11	78.43	92.46
	All-India	88.75	90.23	94.38
III. Oilseeds				
13. Groundnut	Andhra Pradesh	94.40	88.71	96.92
	Gujarat	99.81	98.45	94.68
	Karnataka	84.81	93.95	96.34
	Maharashtra	75.71	71.14	33.81
	Tamil Nadu	97.14	97.60	97.99
	All-India	93.54	95.20	91.63
14. Rapeseed & Mustard	Gujarat	95.40	99.92	99.84
	Haryana	93.64	97.52	90.21
	Madhya Pradesh	97.49	98.31	97.39
	Rajasthan	94.60	95.50	94.02
	Uttar Pradesh	68.49	78.92	75.85
	West Bengal	71.26	92.56	77.18
	All-India	90.41	94.49	90.94
15. Soybean	Madhya Pradesh	95.32	90.91	97.60
	Maharashtra	-	100.00	-
	All-India	95.32	95.23	97.60
16. Sunflower	Andhra Pradesh	100.00	-	100.00
	Karnataka	98.76	99.29	100.00
	Maharashtra	100.00	-	-
	All-India	99.18	99.29	100.00

(Contd.)

Table 8.4 (Contd.)

Group of Crops	State	MSR		
		2012-13	2013-14	2014-15
(1)	(2)	(3)	(4)	(5)
17. Sesamum	Gujarat	99.04	99.02	99.72
	Madhya Pradesh	96.77	96.52	96.64
	Orissa	-	-	-
	Rajasthan	80.06	82.86	89.32
	All-India	90.50	94.47	95.37
18. Safflower	Karnataka	-	-	100.00
	All-India	-	-	100.00
19. Nigerseed	Madhya Pradesh	-	-	97.78
	Odisha	97.67	-	-
	All-India	97.67	-	97.78
IV. Other Commercial Crops				
20. Sugarcane	Andhra Pradesh	99.91	-	-
	Haryana	100.00	64.00	-
	Karnataka	98.80	98.85	85.37
	Uttar Pradesh	85.71	-	-
	All-India	77.84	93.10	85.37
21. Cotton	Gujarat	99.68	95.79	98.71
	Haryana	99.05	98.96	98.36
	Karnataka	97.74	99.32	99.29
	Madhya Pradesh	99.96	100.00	100.00
	Rajasthan	99.01	100.00	97.90
	All-India	99.41	97.32	98.79
22. Jute	West Bengal	100.00	100.00	98.59
	All-India	100.00	100.00	98.59
V. Vegetables				
23. Onion	Karnataka	99.23	99.29	91.29
	All-India	99.23	99.29	91.29
24. Potato	Bihar	87.25	81.46	-
	Uttar Pradesh	95.93	99.19	95.19
	West Bengal	73.41	-	83.38
	All-India	86.17	93.74	89.54

Source: Directorate of Economics & Statistics, DAC&FW8

Note:1. All India figures are weighted average of only those states from where data is available.

2. All India Figures have been revised for Urad & Sesamum (2012-13), Jowar, Sunflower, Sesamum, Sugarcane & Potato (2013-14), Ragi, Urad, Soyabean, Sunflower, Sesamum, Nigerseed, Sugarcane & Potato (2014-15).

- Not Reported

9

Procurement by Public Agencies

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

State	('000 Tonnes)							
	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)
Rice (Oct-Sept)								
Punjab	7731	8558	8106	7786	9350	11052	11833	
Haryana	2007	2609	2406	2015	2861	3583	3992	
Uttar Pradesh	3357	2286	1127	1698	2910	2354	2875	
Andhra Pradesh	7542	6486	3737	3596	4336	3724	4000	
Telangana	-	-	4353	3504	1579	3596	3618	
Madhya Pradesh	634	898	1045	807	849	1314	1096	
Odisha	2866	3615	2801	3357	3369	3630	3287	
Tamil Nadu	1596	481	684	1051	1192	144	1011	
West Bengal	2041	1766	1359	2032	1568	1923	1673	
Chhattisgarh	4115	4804	4290	3423	3442	4022	3255	
Uttarakhand	378	497	463	465	598	706	38	
Others	2769	2044	1474	2306	2084	2058	1506	
All-India	35041	34044	31845	32040	34218	38106	38184	
Wheat (April-March)								
Punjab	10958	12834	10897	11641	10344	10649	11706	12692
Uttar Pradesh	3461	5063	683	628	2267	797	3699	5294
Haryana	6928	8665	5873	6495	6778	6752	7432	8784
Rajasthan	1303	1964	1268	2159	1300	762	1245	1532
Madhya Pradesh	4965	8493	6355	7094	7309	3992	6725	7313
Chhattisgarh	-		9					
Uttarakhand	42	139	5	1	4	2	2	110
Bihar	557	772	0		0	0	0	18
Chandigarh	7	17	0	5		7	8	14
Delhi	8	31			2	0		
Gujarat	105	156	0		73	0	7	37
Himachal Pradesh	1	1			11	0		1
Jammu & Kashmir	-	9	0					
Maharashtra	-	2	0					
Jharkhand	-		0					
West Bengal	-	2	2					
All-India	28335	38148	25092	28023	28088	22962	30824	35795

Source : Department of Food and Public Distribution

*Position as on 08.10.2018

Neg : Below 500 tonnes.

Table 9.1(b): State-wise Procurement of Nutri Grains in major producing States

State	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16*	2016-17	(000 tonnes)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Andhra Pradesh	61.12	176.53	6.87	0.00	0.00	0.00	28.00	5.00	0.00	0.00	0.00
Telangana	0.00	0.00	0.00	0.00	0.00	0.00	289.00	6.00	0.00	0.00	0.00
Chhattisgarh	2.34	8.81	1.04	2.61	1.00	0.00	3.00	0.00	0.00	0.00	0.00
Gujarat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Haryana	123.64	310.48	77.00	73.65	17.00	0.00	0.00	0.00	5.00	6.00	31.35**
Karnataka	13.95	712.38	315.56	39.94	1.00	0.00	729.00	143.00	211.00	0.00	0.00
Madhya Pradesh	0.75	59.91	0.29	8.91	17.00	7.97	87.00	303.00	28.00	238*	4.39**
Maharashtra	1.76	107.02	6.07	2.70	Neg	63.85	96.00	7.00	17.00	16.00	50.46
Punjab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rajasthan	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bihar	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
Total	203.56	1375.12	406.83	127.83	36.00	71.83	1231.00	465.00	260.00	260.00	86.19
All-India	28335	38148	25092	28023	28088	22962	30824	35795			

Source: Department of Food and Public Distribution.

* 50000 Metric Tonnes Maize has been approved as central pool on 30.12.2016 Neg: 500 tonnes

** 20000 Metric Tonnes of Bajra has been approved as central pool

***4385 MT of coarse grains has not been approved yet

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

S. No.	Commodity Year	Support Price ₹ Per Qtl for FAQ	Quantity Procured in Tonnes	Value ₹ Lakhs.	Major State(s) of Procurement
(1)	(2)	(3)	(4)	(5)	(6)
1. Arhar					
	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	-	-	-	-
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 Telangana

Source : Department of Agriculture Cooperation & Farmers Welfare

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

S. No.	Commodity / Year	FCI			NAFED			SFAC			Total Quantity	Value	Major State(s) of Procurement
		Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)			
1. Arhar													
2015-16	20256.52	174.88	19989.04	173.64	5259.12	46.40	45504.68	394.92	"Madhya Pradesh, Maharashtra, Telangana, Karnataka, Gujarat, Andhra Pradesh and Rajasthan"				
2016-17	175305.46	885.08	661431.14	3340.42	71145.15	359.29	907881.76	4584.79	"Madhya Pradesh, Maharashtra, Telangana, Gujarat, Karnataka, Andhra Pradesh and Rajasthan"				
2017-18	-	-	258076.04	1303.28	-	-	258076.04	1303.28	"Madhya Pradesh, Maharashtra, Telangana, Gujarat and Karnataka"				
2. Urad													
2015-16	4.72	0.06	1763.90	17.47	3122.95	32.72	4891.57	50.25	"Madhya Pradesh, Rajasthan, Maharashtra, Uttar Pradesh, Telangana, Gujarat, Karnataka and Andhra Pradesh"				
2016-17	18233.91	116.29	59594.93	376.71	10531.13	64.32	88359.97	557.32	"Madhya Pradesh, Maharashtra, Telangana, Gujarat, Uttar Pradesh, Rajasthan, Andhra Pradesh, Tamil Nadu and Karnataka"				
2017-18	-	-	-	-	-	-	-	-					
3. Gram													
2015-16	-	-	-	-	-	-	-	-					

(Contd.)

Table 9.2(b) (Contd.)

S. No.	Commodity / Year	FCI		NAFED		SFAC		Total		Major State(s) of Procurement (11)
		Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
	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

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

(As on 27-12-2018)

S. No.	Commodity Year	Support Price ₹ Per Qtl for FAQ	Quantity procured in MTs.	Value ₹ Lakhs.	Major State(s) of Procurement
(1)	(2)	(3)	(4)	(5)	(6)
1. Soybean					
	2010-11	1440	NIL	NIL	
	2011-12	1690	NIL	NIL	
	2012-13	2240	NIL	NIL	
	2013-14	2560	NIL	NIL	
	2014-15	2560	NIL	NIL	
	2015-16	2600	NIL	NIL	
	2016-17	2675**	162.19	45	Maharashtra
	2017-18	2850^	72282.10	22046.04	Telangana, Rajasthan, Maharashtra
	2018-19	3399	NIL	NIL	
2. Groundnut					
	2010-11	2300	NIL	NIL	
	2011-12	2700	NIL	NIL	
	2012-13	3700	NIL	NIL	
	2013-14*	3700	830	332.02	Odisha
	2013-14	4000	340325	136130.13	Maharashtra, Gujarat, Rajasthan, U.P, A.P, Karnataka
	2014-15	4000	6230	2491.92	Odisha
	2015-16	4030	NIL	NIL	
	2016-17	4120**	210731	88928.55	Gujarat
	2017-18#	4250^	1047093	465956.57	Odisha, A.P, Karnataka, Rajasthan, Gujarat
	2018-19	4890	2446	1088.38	Telangana, Odisha
3. Safflower Seed					
	2010-11	1800	NIL	NIL	
	2011-12	2500	NIL	NIL	
	2012-13	2800	NIL	NIL	
	2013-14	3000	NIL	NIL	
	2014-15	3050	NIL	NIL	
	2015-16	3300	NIL	NIL	

(Contd.)

Table 9.3 (Contd.)

S. No.	Commodity Year	Support Price ₹ Per Qtl for FAQ	Quantity procured in MTs.	Value ₹ Lakhs.	Major State(s) of Procurement
(1)	(2)	(3)	(4)	(5)	(6)
	2016-17	3600**	NIL	NIL	
	2017-18	4000**	NIL	NIL	
	2018-19	4945	NIL	NIL	
4.	Mustard Seed				
	2010-11	1850	NIL	NIL	
	2011-12	2500	NIL	NIL	
	2012-13	3000	NIL	NIL	
	2013-14	3050	NIL	NIL	
	2014-15	3100	1715	523.02	Rajasthan
	2015-16	3350	NIL	NIL	
	2016-17	3600**	NIL	NIL	
	2017-18	3900**	48981	18484	Haryana, Rajasthan
	2018-19	4200	867656	347182	Haryana, Rajasthan, Madhya Pradesh, Uttar Pradesh, Gujarat, West Bengal
5.	Sunflower Seed				
	2010-11	2350	845	199.27	Haryana, Odisha
	2011-12	2800	NIL	NIL	
	2012-13	3700	1499.10	554.67	Karnataka
	2013-14	3700	4382.71	2272.58	Odisha, Karnataka, Andhra Pradesh
	2014-15	3750	4153	1536.69	Odisha, Haryana
	2015-16	3800	4242	1590.71	Odisha, Haryana
	2016-17	3850**	4949	1880.74	Odisha, Haryana
	2017-18	4000**	6539	2582.95	Telangana, Haryana, Odisha
	2018-19	5388	2743	1124.78	Odisha, Haryana, Telangana
6	Copra				
	2009-10	4450 (Milling)	61281	28948.39	Kerala, T.N, A&N, Lakshadweep
		4700 (Ball)	1250	621.32	Karnataka
		3900 (Spl.)	2666	1099.17	Andhra Pradesh
	2010-11	4450 (Milling)	30600	14531.76	Kerala, Karnataka, T.N, Lakshadweep
		4700 (Ball)	895	444.87	Karnataka

(Contd.)

Table 9.3 (Contd.)

S. No.	Commodity Year	Support Price ₹ Per Qtl for FAQ	Quantity procured in MTs.	Value ₹ Lakhs.	Major State(s) of Procurement
(1)	(2)	(3)	(4)	(5)	(6)
	2011-12	4525(Milling)	343	182.76	A&N Islands
		4775(Ball)	NIL	NIL	
	2012-13	5100(Milling)	66454.15	33891.61	T.N., Lakshadweep, Kerala, A.P, A&N
		5350 (Ball)	9229.84	4937.96	Karnataka and Kerala
		4335 (Spl.)	49.45	21.44	Andhra Pradesh
	2013-14	5250(Milling)	4328.71	2272.58	T.N., A&N, Kerala, A.P, Lakshadweep
		5500(Ball)	29535.28	16244.40	Karnataka
	2014-15	5250(Milling)	NIL	NIL	
		5500(Ball)	NIL	NIL	
	2015-16	5550(Milling)	NIL	NIL	
		5830(Ball)	NIL	NIL	
	2016-17	5950(Milling)	4487.08	2669.81	Tamil Nadu, Andhra Pradesh,
		6240(Ball)	1836.86	1146.20	Karnataka, Tamil Nadu
	2017-18	6500(Milling)	NIL	NIL	
		6785(Ball)	NIL	NIL	
	2018-19	7511(Milling)	NIL	NIL	
		7750(Ball)	NIL	NIL	
7	Sesamum				
	2010-11	2850	1885	537.12	West Bengal
	2011-12	3400	NIL	NIL	
	2012-13	4200	NIL	NIL	
	2013-14	4500	NIL	NIL	
	2014-15	4600	NIL	NIL	
	2015-16	4700	NIL	NIL	
	2016-17	4800^	NIL	NIL	
	2017-18	5200**	3740.27	1870.14	West Bengal
	2018-19	6249	NIL	NIL	

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

* Purchased at MSP(Rs 3700/qlt) of 2012-13 for the year 2013-14 # figures upto 04.12.2017

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

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

FAQ: Fair Average Quality, NA: Not Available

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

(Quantity in Thousand bales of 170 Kgs. each)

States	2013-14			2014-15			2015-16			2016-17			2017-18		
	MSP	Commercial	Total	MSP	Commercial	Total	MSP	Commercial	Total	MSP	Commercial	Total	MSP	Commercial	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
Punjab	0.00	70.27	70.27	127.72	0.00	127.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.10	12.10
Haryana	0.00	11.84	11.84	79.90	0.00	79.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.80	20.80
Rajasthan	0.00	16.69	16.69	87.87	0.00	87.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	45.40	45.40
Gujarat	0.00	75.48	75.48	666.50	0.00	666.50	51.50	0.00	51.50	0.00	8.23	8.23	95.11	75.65	170.76
Maharashtra	0.00	85.74	85.74	1763.19	0.00	1763.19	116.80	0.00	116.80	0.00	56.99	56.99	14.65	100.79	115.44
Madhya Pradesh	0.00	0.20	0.20	281.88	0.00	281.88	29.10	0.00	29.10	0.00	0.52	0.52	7.80	11.10	18.90
Andhra Pradesh	39.69	69.47	109.16	1755.56	0.00	1755.56	39.97	0.00	39.97	0.00	4.81	4.81	6.50	66.54	73.04
Karnataka	0.00	6.69	6.69	139.28	0.00	139.28	0.00	0.00	0.00	0.00	15.90	15.90	0.29	80.50	80.79
West Bengal	0.00	0.18	0.18	0.27	0.00	0.27	0.36	0.00	0.36	0.00	0.00	0.00	0.46	0.25	0.00
Odisha	0.00	4.58	4.58	102.99	0.00	102.99	11.63	0.00	11.63	0.00	3.54	3.54	1.99	23.61	25.60
Telangana	1.12	60.92	62.04	3690.95	0.00	3690.95	595.16	0.00	595.16	0.00	34.27	34.27	263.49	244.12	507.61
Total	40.81	402.06	380.83	8695.79	0.00	8695.79	844.52	0.00	844.52	0.00	125.16	125.16	390.08	680.61	1070.69

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

Table 9.5: State-wise Procurement of raw jute

State	2012-13 (MSP)				2012-13 (Commercial)				2013-14 (MSP)				2013-14 (Commercial)				2014-15 (MSP)				2014-15 (Commercial)			
	JCI	Coop-erative	Total	JCI	Coop-erative	Total	JCI	Coop-erative	Total	JCI	Coop-erative	Total	JCI	Coop-erative	Total	JCI	Coop-erative	Total	JCI	Coop-erative	Total	JCI	Coop-erative	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)						
West Bengal	2.117	0.253	2.370	0.335	0.000	0.335	0.492	0.012	0.504	0.393	0.000	0.393	0.134	0.012	0.146	0.262	0.000	0.262						
Bihar	0.328	0.000	0.328	0.075	0.000	0.075	0.197	0.000	0.197	0.128	0.000	0.128	0.002	0.000	0.002	0.122	0.000	0.122						
Assam	0.405	0.000	0.405	0.032	0.000	0.032	0.658	0.000	0.658	0.000	0.000	0.000	0.004	0.000	0.004	0.027	0.000	0.027						
Meghalaya	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
Odisha	0.030	0.000	0.030	0.000	0.000	0.000	0.011	0.000	0.011	0.000	0.000	0.000	0.002	0.000	0.002	0.000	0.000	0.000						
Andhra Pradesh	0.059	0.000	0.059	0.000	0.000	0.000	0.011	0.000	0.011	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
Tripura	0.004	0.000	0.004	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
Total	2.943	0.253	3.196	0.442	0.000	0.442	1.369	0.012	1.381	0.521	0.000	0.521	0.143	0.012	0.155	0.411	0.000	0.411						

(Contd.)

Table 9.5 (Contd.)

State	2015-16 (MSP)			2015-16 (Commercial)			2016-17 (MSP)			2016-17 (Commercial)			2017-18 (MSP)			2017-18 (Commercial)		
	JCI	Coopera-tive	Total	JCI	Coopera-tive	Total	JCI	Coopera-tive	Total	JCI	Coopera-tive	Total	JCI	Coopera-tive	Total	JCI	Coopera-tive	
(1)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)	(37)
West Bengal	0.000	0.000	0.000	0.016	0.000	0.016	0.261	0.000	0.261	0.709	0.000	0.709	1.622	0.372	1.994	1.994	0.000	1.994
Bihar	0.000	0.000	0.000	0.000	0.000	0.066	0.000	0.066	0.160	0.000	0.160	0.382	0.000	0.382	0.382	0.000	0.382	
Assam	0.000	0.000	0.000	0.033	0.000	0.033	0.009	0.000	0.009	0.815	0.000	0.815	0.964	0.000	0.964	0.964	0.000	0.964
Megha-laya	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Odisha	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.000	0.002	0.050	0.000	0.050	0.050	0.000	0.050
Andhra Pradesh	0.000	0.000	0.000	0.000	0.000	0.207	0.025	0.232	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Tripura	0.000	0.000	0.000	0.000	0.000	0.007	0.000	0.007	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total	0.000	0.000	0.000	0.049	0.000	0.049	0.550	0.025	0.575	1.686	0.000	1.686	3.018	0.372	3.390	3.390	0.000	3.390

Source: Jute Corporation of India Ltd, Ministry of Textiles

Table 9.6: Procurement of Onion by NAFED under Market Intervention Scheme (MIS)

Year	Price (₹ Per Quintal)	Quantity procured (Tonnes)	Value ₹ Lakhs.	Major State(s) of Procurement
(1)	(2)	(3)	(4)	(5)
1996-97	300	60	1.98	Karnataka
1999-00	250	65000	1625	Maharashtra
2000-01	0	0	0	
2001-02	0	0	0	
2002-03	0	0	0	
2003-04	0	0	0	
2004-05	280	5000	0.73	Rajasthan
2005-06	0	0	0	
2006-07	0	0	0	
2007-08	0	0	0	
2008-09	0	0	0	
2009-10	0	0	0	
2010-11	0	0	0	
2011-12	0	0	0	
2012-13	0	0	0	
2013-14	0	0	0	
2014-15	0	0	0	
2015-16	0	0	0	
2016-17	0	0	0	
2017-18	0	0	0	

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

Note: Since 2013-14, NAFED has not carried out procurement of Onion under Market Intervention Schme

10

Per Capita Availability & Consumer Expenditure

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

Year	Rice	Wheat	Other Cereals	Cereals	Pulses	(Kilograms per year) Food Grains
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1951	58.0	24.0	40.0	122.0	22.1	144.1
1956	68.7	22.5	40.7	131.9	25.7	157.6
1961	73.4	28.9	43.6	145.9	25.2	171.1
1966	59.1	34.8	37.5	131.4	17.6	149.0
1971	70.3	37.8	44.3	152.4	18.7	171.1
1976	68.5	29.1	39.2	136.8	18.5	155.3
1981	72.2	47.3	32.8	152.3	13.7	166.0
1985	68.9	50.6	32.1	151.6	13.9	165.5
1990	77.4	48.4	31.7	157.5	15.0	172.5
1991	80.9	60.0	29.2	171.0	15.2	186.2
1992	79.2	57.9	21.5	158.6	12.5	171.1
1993	73.4	51.2	31.6	156.2	13.2	169.4
1994	75.7	58.2	24.5	158.4	13.6	172.0
1995	80.3	63.0	23.7	167.0	13.8	180.8
1996	74.6	64.3	22.6	161.5	12.0	173.5
1997	78.1	65.4	26.6	170.1	13.5	183.6
1998	73.1	55.3	22.8	151.2	12.0	163.2
1999	74.2	59.2	23.1	156.7	13.3	170.0
2000	74.3	58.4	21.5	154.3	11.6	165.9
2001	69.5	49.6	20.5	141.0	10.9	151.9
2002	83.5	60.8	23.1	167.4	12.9	180.4
2003	66.2	65.8	17.1	149.1	10.6	159.7
2004	71.3	59.2	25.3	155.8	13.1	168.9
2005	64.7	56.3	21.7	142.7	11.5	154.2
2006	72.3	56.3	22.1	150.7	11.8	162.5
2007	70.8	57.6	20.3	148.7	12.9	161.6
2008	64.0	53.0	19.7	143.9	15.3	159.2
2009	68.8	56.5	23.3	148.6	13.5	162.1
2010	66.4	61.4	18.8	146.6	12.9	159.5
2011	66.3	59.7	23.9	149.9	15.7	170.9
2012	69.4	57.8	21.9	149.1	15.2	169.3
2013	72.1	66.8	19.2	158.1	15.8	179.5
2014	72.3	66.8	22.6	161.6	16.9	178.6
2015	67.9	61.3	28.4	153.8	16.0	169.8
2016	67.2	72.9	26.1	162.0	15.7	177.7
2017	66.8	66.7	29.4	158.4	20.0	178.4
2018(P)	69.0	64.4	31.2	160.0	20.4	180.3

Source: Directorate of Economics and Statistics, DAC&FW

P- Provisional figures is based on 4th Advance Estimates of Production for 2017-18.

Notes:

- i) Net availability of foodgrains is estimated as: Gross Production (-) seed, feed & wastage (-) exports (+) imports (+/-) change in stocks.
- ii) Net availability of foodgrains divided by the population estimates for a particular year indicate per capita availability of foodgrains in terms of kg/year.
- iii) Estimates of per capita net availability given above are not strictly representative of actual level of consumption in the country especially as they do not take into account any change in stocks in possession of traders, producers and consumers.
- iv) Foodgrains include rice, wheat, other cereals and all pulses

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

Year	Rice	Wheat	Other Cereals	Cereals	Pulses	(Grams per day) Food Grains
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1951	158.9	65.7	109.6	334.2	60.7	394.9
1956	187.7	61.5	111.2	360.4	70.3	430.7
1961	201.1	79.1	119.5	399.7	69.0	468.7
1966	161.9	95.4	102.6	359.9	48.2	408.1
1971	192.6	103.6	121.4	417.6	51.2	468.8
1976	187.2	79.5	107.4	373.8	50.5	424.3
1981	197.8	129.6	89.9	417.3	37.5	454.8
1985	188.8	138.6	87.9	415.3	38.1	453.4
1990	212.1	132.6	86.8	431.5	41.1	472.6
1991	221.7	166.8	80.0	468.5	41.6	510.1
1992	217.0	158.6	58.9	434.5	34.3	468.8
1993	201.1	140.2	86.6	427.9	36.2	464.1
1994	207.4	159.5	67.1	434.0	37.2	471.2
1995	220.0	172.7	64.9	457.6	37.8	495.5
1996	204.4	176.0	62.0	442.5	32.7	475.2
1997	214.0	179.1	72.9	466.0	37.1	503.1
1998	200.3	151.5	62.4	414.2	32.8	447.0
1999	203.4	162.3	63.4	429.2	36.5	465.7
2000	203.7	160.0	59.0	422.7	31.8	454.4
2001	190.5	135.8	56.2	386.2	30.0	416.2
2002	228.7	166.6	63.4	458.7	35.4	494.1
2003	181.4	180.4	46.7	408.5	29.1	437.6
2004	195.4	162.2	69.3	426.9	35.8	462.7
2005	177.3	154.3	59.4	390.9	31.5	422.4
2006	198.0	154.3	60.5	412.8	32.5	445.3
2007	194.0	157.8	55.5	407.4	35.5	442.8
2008	175.4	145.1	54.1	394.2	41.8	436.0
2009	188.4	154.7	63.9	407.0	37.0	444.0
2010	182.0	168.2	51.4	401.7	35.4	437.1
2011	181.5	163.5	65.6	410.6	43.0	468.2
2012	190.2	158.4	60.0	408.6	41.7	463.8
2013	197.4	183.1	52.7	433.2	43.3	491.9
2014	198.0	183.0	61.8	442.9	46.4	489.3
2015	186.0	168.0	77.7	421.4	43.8	465.1
2016	184.2	199.7	71.6	443.7	43.0	486.8
2017	183.0	182.7	80.6	434.0	54.7	488.7
2018(P)	188.9	176.4	85.4	438.2	55.9	494.1

Source: Directorate of Economics and Statistics, DAC&FW

P- Provisional figures is based on 4th Advance Estimates of production for 2017-18.

Notes:-

- i) Net availability of foodgrains is estimated as: Gross Production (-) seed, feed & wastage (-) exports (+) imports (+/-) change in stocks.
- ii) Net availability of foodgrains divided by the population estimates for a particular year indicate per capita availability of foodgrains in terms of kg/year.
- iii) Net availability thus worked out is further divided by the number of days in a year, i.e., 365 days to arrive at net availability of foodgrains in terms of grams/day.
- iv) Estimates of per capita net availability given above are not strictly representative of actual level of consumption in the country especially as they do not take into account any change in stocks in possession of traders, producers and consumers.
- v) Foodgrains include rice, wheat, other cereals and all pulses

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

Year	Edible Oil ^a (kg.)	Vanaspati ^b (kg.)	Sugar ^c (Nov-Oct) (kg.)	Cloth ^d (meters)			Tea (gm)	Coffee ^f (gm)
				Cotton ^e	Man-made	Total		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1960-61	3.2	0.8	4.8	13.8	1.2	15.0	296	80.0
1970-71	3.5	1.0	7.4	13.6	2.0	15.6	401	65.0
1971-72	3.0	1.1	6.8	12.4	2.2	14.6	426	65.0
1972-73	2.4	1.0	6.2	13.2	2.0	15.2	458	69.0
1973-74	3.4	0.8	6.1	12.0	1.9	13.9	492	64.0
1974-75	3.3	0.6	5.8	12.9	1.7	14.6	471	62.0
1975-76	3.5	0.8	6.1	12.6	2.0	14.6	446	62.0
1976-77	3.2	0.9	6.0	11.4	2.4	13.8	450	71.0
1977-78	3.8	0.9	7.2	9.5	4.0	13.5	516	73.0
1978-79	3.8	1.0	9.6	10.2	4.8	15.0	599	77.0
1979-80	3.7	1.0	7.8	10.1	4.6	14.7	521	73.0
1980-81	3.8	1.2	7.3	12.9	4.4	17.3	511	79.0
1981-82	5.1	1.3	8.2	12.2	4.9	17.1	466	79.0
1982-83	4.5	1.3	9.0	11.8	4.3	16.1	525	82.0
1983-84	5.8	1.2	10.5	12.6	4.7	17.3	519	78.0
1984-85	5.5	1.3	10.7	12.6	4.6	17.2	576	72.0
1985-86	5.0	1.3	11.1	15.4	6.1	21.5	589	71.0
1986-87	5.0	1.2	11.4	15.2	6.6	21.8	545	76.0
1987-88	5.8	1.2	11.7	14.0	7.0	21.0	592	72.0
1988-89	5.3	1.2	12.1	15.0	8.0	23.0	612	79.0
1989-90	5.3	1.1	12.3	14.6	8.1	22.7	571	65.0
1990-91	5.5	1.0	12.7	15.1	9.0	24.1	612	59.0
1991-92	5.4	1.0	13.0	13.7	9.2	22.9	655	64.0
1992-93	5.8	1.0	13.7	15.6	8.9	24.5	649	60.0
1993-94	6.1	1.0	12.5	15.9	10.3	26.2	667	56.0
1994-95	6.3	1.0	13.2	15.2	10.8	26.0	664	55.0
1995-96	7.0	1.0	14.1	16.3	11.7	28.0	646	55.0

(Contd.)

Table 10.3 (Contd.)

Year	Edible Oil ^a (kg.)	Vanaspatti ^b (kg.)	Sugar ^c (Nov-Oct) (kg.)	Cloth ^d (meters)			Tea (gm)	Coffee ^f (gm)
				Cotton ^e	Man-made	Total		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1996-97	8.0	1.0	14.6	16.2	13.1	29.3	657	58.0
1997-98	6.2	1.0	14.5	15.9	15.0	30.9	635	58.0
1998-99	8.5	1.3	14.9	13.1	15.1	28.2	684	65.0
1999-00	9.0	1.4	15.6	14.2	16.4	30.6	642	55.0
2000-01	8.2	1.3	15.8	14.2	16.5	30.7	631	58.0
2001-02	8.8	1.4	16.0	14.8	17.2	32.0	650	67.0
2002-03	7.2	1.4	16.3	14.4	17.0	31.4	623	67.0
2003-04	9.9	1.2	16.1	13.4	17.6	31.0	662	70.0
2004-05	10.2	1.1	15.5	14.1	19.4	33.5	663	72.0
2005-06	10.6	1.1	16.3	16.4	19.7	36.1	687	75.0
2006-07	11.1	1.2	16.8	18.0	21.6	39.6	687	77.0
2007-08	11.4	1.2	17.8	19.0	22.8	41.9	701	80.0
2008-09	12.7	1.3	18.8	17.9	21.1	39.0	704	82.0
2009-10	13.3	1.1	17.9	19.7	23.4	43.1	709	86.0
2010-11	13.6	1.0	17.0	21.4	22.6	44.0	715	90.0
2011-12	13.8	1.0	18.7	19.8	20.7	40.5	728	95.0
2012-13	15.8	0.7	18.7	19.9	18.6	38.5	779	97.0
2013-14	16.8	0.8	19.5	19.9	16.4	36.2	744	100.0
2014-15	18.3	0.8	20.3	23.6	17.0	40.6	752	100.0
2015-16	17.7	0.8	19.4(P)	24.6	15.9	40.5	758	100.0

Source: Economic Survey 2017-18, Ministry of Finance

(P) Provisional

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

b: Relates to calendar year.

c: Relates to actual releases for domestic consumption.

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

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

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

Table 10.4(a): Trends in percentage composition of Consumer Expenditure since 1993-94

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

Source: National Sample Survey Office (NSSO)

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

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

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

(Contd.)

Table 10.4(b) (Contd.)

Commodities	Year	Qty. consumed in a month		Qty. consumed per Annum	
		Rural	Urban	Rural	Urban
(1)	(2)	(3)	(4)	(5)	(6)
	2004-05	0.09	0.11	1.10	1.34
	2009-10	0.11	0.16	1.31	1.92
Apple (kg)	1993-94	0.03	0.11	0.37	1.34
	1999-00	-	0.08	0.00	0.97
	2004-05	0.03	0.12	0.37	1.40
	2009-10	0.05	0.16	0.55	1.92
	2011-12	0.06	0.19	0.71	2.32
Groundnut (kg)	1993-94	0.03	0.04	0.37	0.49
	1999-00	0.05	0.06	0.61	0.73
	2004-05	0.05	0.08	0.61	0.97
	2009-10	0.05	0.07	0.61	0.82
	2011-12	0.06	0.09	0.77	1.06
Vegetables* (Kg)	1993-94	2.71	2.91	32.97	35.41
	1999-00	3.30	3.49	40.15	42.46
	2004-05	2.92	3.17	35.53	38.57
	2009-10	4.04	4.12	49.14	50.11
	2011-12	4.33	4.32	52.71	52.61
Milk : liquid (litre)	1993-94	3.94	4.89	47.94	59.50
	1999-00	3.79	5.10	46.11	62.05
	2004-05	3.87	5.11	47.09	62.17
	2009-10	4.12	5.36	50.09	65.19
	2011-12	4.33	5.42	52.72	65.97
Eggs (No.)	1993-94	0.64	1.48	7.79	18.01
	1999-00	1.09	2.06	13.26	25.06
	2004-05	1.01	1.72	12.29	20.93
	2009-10	1.73	2.67	21.08	32.53
	2011-12	1.94	3.18	23.60	38.69
Fish (kg)	1993-94	0.18	0.20	2.19	2.43
	1999-00	0.21	0.22	2.56	2.68
	2004-05	0.20	0.21	2.45	2.51
	2009-10	0.27	0.24	3.27	2.90
	2011-12	0.27	0.25	3.24	3.07
Goat meat/ mutton (kg)	1993-94	0.06	0.11	0.73	1.34
	1999-00	0.07	0.10	0.85	1.22
	2004-05	0.05	0.07	0.57	0.85
	2009-10	0.05	0.09	0.57	1.11
	2011-12	0.05	0.08	0.60	0.96
Chicken (kg)	1993-94	0.02	0.03	0.24	0.37
	1999-00	0.04	0.06	0.49	0.73
	2004-05	0.05	0.09	0.61	1.03
	2009-10	0.12	0.18	1.50	2.19
	2011-12	0.18	0.24	2.17	2.91

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

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

11

Stock, Consumption and Storage Capacity

Table 11.1(a) : Stock of Foodgrains in the Central Pool(As on 1st January)
(Million Tonnes)

Year	Rice	Wheat	Nutri Cereals	Total
(1)	(2)	(3)	(4)	(5)
1991	9.63	9.38	0.12	19.13
1992	9.29	5.43	0.01	14.73
1993	9.48	3.47	0.18	13.13
1994	11.95	11.10	0.47	23.52
1995	17.42	12.88	-	30.30
1996	15.41	13.15	-	28.56
1997	12.94	7.08	-	20.02
1998	11.49	6.76	-	18.25
1999	11.68	12.70	-	24.38
2000	14.18	17.17	-	31.35
2001	20.70	25.04	0.03	45.77
2002	25.62	32.41	0.08	58.11
2003	19.37	28.83	-	48.20
2004	11.73	12.69	0.60	25.02
2005	12.76	8.93	0.00	21.69
2006	12.64	6.19	0.43	19.26
2007	11.98	5.43	0.09	17.50
2008	11.47	7.71	0.00	19.18
2009	17.58	18.21	0.40	36.19
2010	24.35	23.09	0.25	47.69
2011	25.58	21.54	0.10	47.22
2012	29.72	25.67	0.10	55.49
2013	32.22	34.38	0.09	66.69
2014	14.70	28.05	0.38	43.12
2015	11.74	25.11	0.26	37.11
2016	12.69	23.79	0.09	36.57
2017	13.47	13.75	0.14	27.36
2018	16.21	19.56	0.16	35.93

Source: Department of Food & Public Distribution.

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

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

Source: Department of Food & Public Distribution.

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

Table 11.2: Consumption and Stock of Raw Jute

Year (July-June)	Consumption	(Lakh Bales of 180 Kgs.each)
		Stock (End of Season)
(1)	(2)	(3)
1982-83	75.60	18.98
1983-84	63.83	20.91
1984-85	78.33	7.50
1985-86	87.68	42.42
1986-87	82.00	43.00
1987-88	74.00	34.00
1988-89	84.50	20.50
1989-90	86.00	9.50
1990-91	87.40	16.10
1991-92	79.50	32.00
1992-93	85.00	25.00
1993-94	87.50	9.50
1994-95	85.50	9.00
1995-96	87.00	5.00
1996-97	91.10	18.50
1997-98	130.00	27.00
1998-99	97.00	22.00
1999-00	97.50	10.50
2000-01	97.50	7.00
2001-02	100.00	16.00
2002-03	101.00	34.00
2003-04	96.00	33.00
2004-05	98.00	27.00
2005-06	98.00	8.00
2006-07	89.00	23.00
2007-08	108.00	22.00
2008-09	98.00	8.00
2009-10	89.00	12.00
2010-11	97.00	22.50
2011-12	103.00	31.00
2012-13	104.00	29.00
2013-14	96.00	24.00
2014-15	82.00	15.00
2015-16	79.00	6.00
2016-17	80.00	22.00
2017-18	79.00	22.40
2018-19*	78.00	20.40

Source: Jute Corporation of India , Kolkata

* Estimated

Table 11.3(a): State-wise Storage Capacity

(In Lakh Metric Tonnes)

S.No	State/UTs	March, 2014	March, 2015	March, 2016	March, 2017	March, 2018
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1	Bihar	11.50	10.49	15.10	15.56	25.81
2	Odisha	14.09	13.57	11.63	13.57	12.10
3	West Bengal	19.64	14.68	16.72	18.64	18.67
4	Sikkim	0.11	0.00	0.00	0	0.00
5	Jharkhand	2.11	2.95	2.53	2.91	3.68
Total East Zone		47.46	41.69	45.98	50.68	60.26
6	Assam	6.25	5.76	6.29	3.98	4.68
7	Arunachal Pradesh	0.23	0.28	0.23	0.41	0.27
8	Tripura	0.83	0.37	0.83	0.43	0.44
9	Manipur	0.31	0.32	0.32	0.32	0.32
10	Nagaland	0.46	0.33	0.45	0.44	0.48
11	Mizoram	0.26	0.25	0.67	0.25	0.93
12	Meghalaya	0.42	0.28	0.23	0.23	0.22
Total N.E Zone		8.77	7.59	9.02	6.06	7.34
13	Delhi	5.14	3.67	3.67	3.67	3.67
14	Haryana	64.78	107.77	116.11	101.73	99.17
15	Himachal Pradesh	0.45	0.51	0.49	0.35	0.51
16	Jammu & Kashmir	1.75	2.10	2.49	2.59	2.79
17	Punjab	182.66	240.00	252.56	250.13	201.43
18	Chandigarh	4.09	0.00	0.00	0	0
19	Rajasthan	39.88	25.49	23.24	21.42	19.9
20	Uttar Pradesh	91.59	57.53	64.43	58.28	58.72
21	Uttarakhand	2.84	3.67	3.80	0.21	3.93
Total North Zone		393.18	440.74	466.79	441.93	390.12
22	Andhra Pradesh	68.47	27.31	24.02	28.71	26.8
23	Telangana	-	19.79	20.88	17.52	27.37
24	Kerala	9.00	5.89	5.89	5.55	7.17
25	Karnataka	25.02	29.24	29.62	13.87	11.56
26	Tamil Nadu	24.41	17.58	16.99	26.97	43.17
27	Puducherry	0.84	0.00	0.00	0	0
28	A&N Islands	0.10	0.00	0.00	0	0
29	Lakshadweep	0.00	0.00	0.00	0	0
Total South Zone		127.84	99.81	97.40	92.62	116.07
30	Gujarat	18.33	9.86	9.26	8.82	9.28
31	Maharashtra	53.43	31.79	31.55	31.98	34.19
32	Goa	0.50	0.20	0.20	0	0
33	Madhya Pradesh	68.63	59.17	129.66	124.29	210.73
34	Chhattisgarh	23.70	23.58	24.98	19	15.04
35	Daman & Diu	0.00	0.00	0.00	0	0
36	D&N Haveli	0.00	0.00	0.00	0	0
Total West Zone		164.58	124.60	195.65	184.09	269.24
Grand Total		741.83	714.43	814.84	775.38	843.03

Source: Department of Food & Public Distribution.

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

Table 11.3 (b): State-wise Cold Storage Capacity as on 31.3.2018

S.No.	State/UTs	No. of Projects	Capacity (Metric Tonnes)
(1)	(2)	(3)	(4)
1	Andaman & Nicobar Islands (UT)	3	810
2	Andhra Pradesh & Telangana	452	1836366
3	Arunachal Pradesh	2	6000
4	Assam	37	163258
5	Bihar	306	1415595
6	Chandigarh (UT)	7	12462
7	Chhattisgarh	98	484331
8	Delhi	97	129857
9	Goa	29	7705
10	Gujarat	890	3515976
11	Haryana	352	791780
12	Himachal Pradesh	65	125967
13	Jammu & Kashmir	55	182527
14	Jharkhand	58	236680
15	Karnataka	209	602457
16	Kerala	199	81705
17	Lakshadweep (UT)	1	15
18	Madhya Pradesh	302	1281411
19	Maharashtra	603	979607
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	Rajasthan	167	561293
28	Sikkim	2	2100
29	Tamil Nadu	173	347583
30	Tripura	14	45477
31	Uttar Pradesh	2368	14500773
32	Uttarakhand	47	162821
33	West Bengal	511	5940511
34	NHB/States	3	20195
Total		7916	36229675

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

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

(1)	(2)	Upto March, 2016		Upto March, 2017		Upto March, 2018	
		No. of Godown Projects sanctioned	No. of Godown Storage Capacity Sanctioned in MT	No. of Godown Projects sanctioned	No. of Godown Storage Capacity Sanctioned in MT	No. of Godown Projects sanctioned	No. of Godown Storage Capacity Sanctioned in MT
1	Andhra Pradesh	1326	5336995	1296	5156248	1326	5320998
2	Arunachal Pradesh	1	945	1	945	1	945
3	Assam	266	724806	266	739357	325	1072857
4	Bihar	990	487187	990	487187	990	487187
5	Chhattisgarh	571	1925103	642	2227239	594	1943545
6	Goa	1	299	1	299	1	299
7	Gujarat	11346	4215750	11326	4289737	11663	4472390
8	Haryana	2250	7581327	2133	7995342	2012	6503872
9	Himachal Pradesh	78	24798	78	24798	87	27486
10	Jammu & Kashmir	10	55648	14	83027	14	83027
11	Jharkhand	23	142316	24	119316	26	142316
12	Karnataka	4625	3570281	4453	3750386	4560	3899528
13	Kerala	209	90507	205	89907	206	90511
14	Madhya Pradesh	3592	9399049	3758	10250369	3832	10584301
15	Maharashtra	3303	5707492	3469	6328513	3581	6670711

(Contd.)

Table 11.3(c) (Contd.)

Sl. No	Name of State/UT	Upto March, 2016			Upto March, 2017			Upto March, 2018		
		No. of Projects sanctioned	No. of Godown Sanctioned in MT	Storage Capacity Sanctioned in MT	No. of Godown Projects sanctioned	No. of Godown Sanctioned in MT	Storage Capacity Sanctioned in MT	No. of Godown Projects sanctioned	No. of Godown Sanctioned in MT	Storage Capacity Sanctioned in MT
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
16	Meghalaya	16	21012	16	21012	16	21012	16	21012	
17	Mizoram	1	302	1	302	1	302	1	302	
18	Nagaland	1	814	1	814	1	814	1	814	
19	Odisha	419	781575	419	781575	419	781575	691	1009180	
20	Punjab	1732	6683289	1742	6723746	1742	6723746	1745	6741842	
21	Rajasthan	1422	2576013	1424	2572908	1424	2572908	1454	2676499	
22	Tamil Nadu	1070	1236214	1105	1332345	1105	1332345	1122	1313524	
22	Uttar Pradesh	1110	5196610	1108	5193210	1108	5193210	1119	5322569	
23	Uttarakhand	273	752046	278	752793	278	752793	286	762389	
24	West Bengal	2480	1394532	2548	1570777	2548	1570777	2552	1581523	
25	Tripura	4	25756	4	25756	4	25756	5	28764	
26	Telangana	676	4018522	690	4144820	690	4144820	726	4485910	
27	UTs	0	0	0	0	0	0	0	0	
Total		37795	61949189	37992	64662728	38936	65244301			

Source: Directorate of Marketing & Inspection, DAC&FW
Note: Agricultural Marketing Infrastructure (AMI) is a Sub-Scheme of Integrated Scheme on Agricultural Marketing (ISAM) { erstwhile Gramene Bhandaran Yojana}. Figures indicate projects sanctioned/storage capacity since inception of the Scheme.

12

Imports/ Exports/ Inflation Rates

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

Year	Agricultural Imports	Total National Imports	% of Agricultural Imports to Total National Imports	Agricultural Exports	Total National Exports	(Value in ₹ Crore)
						% of Agricultural Exports to Total National Exports
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1990-91	1205.86	43170.82	2.79	6012.76	32527.28	18.49
1991-92	1478.27	47850.84	3.09	7838.04	44041.81	17.80
1992-93	2876.25	63374.52	4.54	9040.30	53688.26	16.84
1993-94	2327.33	73101.01	3.18	12586.55	69748.85	18.05
1994-95	5937.21	89970.70	6.60	13222.76	82673.40	15.99
1995-96	5890.10	122678.14	4.80	20397.74	106353.35	19.18
1996-97	6612.60	138919.88	4.76	24161.29	118817.32	20.33
1997-98	8784.19	154176.29	5.70	24832.45	130100.64	19.09
1998-99	14566.48	178331.69	8.17	25510.64	139751.77	18.25
1999-00	16066.73	215528.53	7.45	25313.66	159095.20	15.91
2000-01	12086.23	228306.64	5.29	28657.37	201356.45	14.23
2001-02	16256.61	245199.72	6.63	29728.61	209017.97	14.22
2002-03	17608.83	297205.87	5.92	34653.94	255137.28	13.58
2003-04	21972.68	359107.66	6.12	36415.48	293366.75	12.41
2004-05	22811.84	501064.54	4.55	41602.65	375339.53	11.08
2005-06	15977.75	660408.90	2.42	45710.97	456417.86	10.02
2006-07	23000.28	840506.31	2.74	57767.87	571779.28	10.10
2007-08	22549.81	1012311.70	2.23	74673.48	655863.52	11.39
2008-09	28719.24	1374435.55	2.09	81064.52	840755.06	9.64
2009-10	54365.29	1363735.55	3.99	84443.95	845533.64	9.99
2010-11	51073.97	1683466.96	3.03	113046.58	1136964.22	9.94
2011-12	70164.51	2345463.24	2.99	182801.00	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	1896348.42	12.64
2015-16	140289.22	2490305.54	5.63	215396.32	1716384.40	12.55
2016-17	164726.83	2577675.37	6.39	226651.91	1849433.55	12.26
2017-18 (P)	152095.20	3001033.43	5.07	251563.94	1956514.53	12.86

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

Table 12.2 : India's Imports of Principal Agricultural Commodities

Commodity	2009-10			2010-11			2011-12			2012-13			2013-14		
	Quantity (1)	Value (2)	Quantity (3)	Value (4)	Quantity (5)	Value (6)	Quantity (7)	Value (8)	Quantity (9)	Value (10)	Quantity (11)	Value (12)	Quantity (13)	Value (14)	
Tea	34.46	276.52	20.82	202.00	22.43	218.91	22.30	274.52	22.74	291.52	22.74	291.68			
Coffee	40.88	297.34	41.63	295.00	46.06	469.52	71.20	795.72	59.94	729.02	59.94	729.02			
Rice- Basmati	0.00	0.00	0.00	0.00	0.46	2.47	0.00	0.00	0.00	0.00	0.00	0.00			
Rice (other than Basmati)	0.07	0.37	0.19	0.92	0.60	3.00	0.72	2.94	3.96	1.44	8.29				
Wheat	164.38	231.90	185.28	255.84	0.02	0.08	2.94	6.03	11.27			26.92			
Other cereals	33.69	76.33	30.68	59.53	15.36	30.04	45.58	111.01	22.32			98.03			
Pulses	3749.99	10629.16	2777.83	7512.49	3495.84	9448.35	4013.24	13344.63	3177.89			11036.75			
Tobacco unmanufactured	1.07	37.76	1.32	44.61	2.02	68.57	2.17	91.94	1.55			79.52			
Tobacco manufactured	-	78.73	-	80.36	-	113.01	-	155.01	-			168.87			
Spices	161.78	1476.04	124.49	1595.91	146.77	2284.85	175.56	2715.76	155.58			3451.69			
Cashew	755.96	3047.50	529.73	2649.07	811.90	5381.43	898.52	5433.91	776.33			4667.38			
Cashew nut shell liquid	0.00	0.00	0.04	0.07	0.20	0.32	0.14	0.33	0.38			2.08			
Sesame seeds	9.23	53.26	8.73	37.66	0.61	3.93	38.05	296.03	72.93			808.64			
Niger seeds	3.50	13.33	0.23	0.79	0.12	0.39	0.00	0.00	0.00			3.73			
Groundnut	0.39	1.70	0.00	0.00	0.10	0.47	0.04	0.29	0.11			0.36			
Other oil seeds	56.94	118.18	44.95	74.76	41.22	88.77	44.26	109.74	54.70			166.79			
Vegetable oils	6734.45	22316.68	6039.02	25919.59	7081.98	38909.02	9606.24	53561.61	7942.90			44038.04			
Oil meals	127.73	104.69	79.22	75.03	86.13	98.72	148.30	210.38	126.94			199.87			
Guargam meal	0.07	2.41	0.09	2.66	0.30	9.90	0.57	33.61	0.38			21.85			
Castor oil	0.06	0.44	0.01	0.91	0.06	1.29	0.14	2.23	0.07			2.04			
Shellac	3.55	34.10	3.29	50.55	0.54	22.15	2.78	172.61	0.68			45.80			
Sugar	2551.42	5965.80	1034.58	2789.54	99.71	313.83	1122.25	3094.38	880.96			2286.86			
Molasses	45.54	32.29	7.29	6.15	12.40	4.35	14.68	7.50	15.07			8.93			
Fruits / vegetable seeds	12.67	284.42	11.14	291.22	13.18	380.15	16.05	471.10	8.29			449.48			
Fresh fruits	562.19	2843.47	630.23	3586.51	723.27	4610.84	802.14	6180.47	769.14			7715.96			

(Contd.)

Table 12.2 (Contd.)

Commodity	2009-10			2010-11			2011-12			2012-13			2013-14		
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	
Fresh vegetables	5.40	8.14	16.61	40.60	5.04	7.31	7.03	-	11.24	25.98	-	41.67			
Processed vegetables	-	77.90	-	117.48	-	120.19	-	149.01	-	173.94	-				
Processed fruits and juices	-	191.12	-	251.54	-	314.93	-	432.02	-		-	410.83			
Cereal preparations	39.11	188.92	37.73	243.43	45.82	316.39	50.42	359.98	53.47		419.34				
Cocoa products	25.23	376.08	33.80	584.21	5.08	934.32	53.33	1049.25	51.63	1071.55					
Milled products	2.49	9.76	3.74	10.96	2.88	11.88	4.52	23.75	3.98		22.01				
Misc processed items	-	552.34	-	664.01	-	915.19	-	1268.33	-		1474.47				
Animal casings	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
Buffalo meat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
Sheep/goat meat	0.04	1.22	0.03	0.80	0.01	0.21	0.02	1.52	0.06	5.13					
Other meat	0.33	6.67	0.35	7.01	0.54	12.48	0.43	15.71	0.36	15.80					
Processed meat	1.41	9.79	0.78	7.56	0.96	9.74	0.57	9.02	0.39	7.64					
Dairy products	-	333.64	-	847.83	-	1219.41	-	1842.5	-	232.68					
Poultry products	-	26.72	-	14.46	-	19.77	-	18.29	-	23.39					
Floriculture products	-	45.88	-	45.48	-	68.74	-	85.67	-	112.19					
Alcoholic beverages	-	1244.26	-	1029.13	-	1309.77	-	1416.77	-	2076.18					
Marine products	27.35	303.09	28.35	429.04	34.22	569.53	28.10	452.70	31.22	411.01					
Ayush and herbal products	17.73	136.36	8.16	155.12	0.89	184.75	10.96	243.75	10.86	318.50					
Jute, raw	62.66	149.49	83.30	302.49	181.26	449.17	148.73	370.79	52.65	146.25					
Jute hessian	-	231.22	-	169.43	-	177.34	-	87.34	-	79.92					
Cotton raw incld. Waste	-	1241.37	-	622.24	-	1059.19	232.55	2466.74	180.97	2375.78					
Total Agricultural Imports	-	53056.37	-	51073.97	-	70164.51	-	95718.89	-	85727.30					
Total National Imports	-	1363735.55	-	1683466.96	-	2345463.24	-	2669161.96	-	2715433.91					
% Share of Agricultural Import in National Imports	-	3.89	-	3.03	-	2.99	-	3.59	-	3.16					

(Contd.)

Table 12.2 (Contd.)

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

Commodity	2014-15			2015-16			2016-17			2017-18 (P)		
	(1)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	Quantity	Value	Value
Tea	28.39	388.66	23.72	377.47	24.89	338.35	24.94	356.99				
Coffee	74.88	930.47	65.61	801.83	78.04	926.81	77.22	996.50				
Rice- Basmati	0.00	0.00										
Rice (other than Basmati)	1.96	10.83	1.02	5.91	1.14	7.25	2.12	12.18				
Wheat	29.49	61.34	517.67	872.59	5749.43	8509.05	1649.73	2357.84				
Other cereals	23.40	61.76	206.14	344.31	311.37	493.18	265.13	433.90				
Pulses	4584.85	17062.94	5797.71	25619.06	6609.49	28523.18	5607.53	18748.57				
Tobacco unmanufactured	1.93	98.17	2.88	137.30	1.97	77.21	1.54	69.47				
Tobacco manufactured	-	200.28	-	193.92	-	228.54	-	185.92				
Spices	163.09	4393.25	197.06	5399.95	242.29	5760.25	222.33	6385.26				
Cashew	933.19	6599.74	961.67	8701.28	774.51	9027.09	654.02	9134.33				
Cashew nut shell liquid	1.72	10.03	1.86	5.60	1.69	3.67	2.09	5.66				
Sesame seeds	34.77	379.99	23.60	179.66	69.03	442.15	26.27	176.77				
Niger seeds	0.70	3.73	5.78	44.14	10.66	82.82	5.33	29.00				
Groundnut	0.13	0.49	0.11	0.31	0.33	1.39	1.72	13.04				
Other oil seeds	51.56	163.29	62.51	218.62	116.64	392.36	127.35	364.59				
Vegetable oils	12731.60	64899.60	15633.74	68676.62	14007.39	73038.98	15361.02	74995.91				
Oil meals	165.10	272.65	256.55	429.91	550.43	974.59	485.96	746.67				
Guargum meal	0.13	5.72	0.63	13.93	0.18	2.41	0.43	3.30				
Castor oil	0.05	1.81	0.03	1.10	0.11	1.50	0.04	2.54				
Shellac	1.77	59.54	0.71	19.48	0.46	13.43	0.47	18.38				
Sugar	1538.64	3668.21	1943.13	4037.86	2146.15	6868.61	2402.98	6035.84				
Molasses	60.28	30.14	17.27	7.50	13.84	9.04	72.85	69.29				
Fruits / vegetable seeds	14.01	611.53	14.33	703.03	14.07	653.33	16.05	768.26				
Fresh fruits	900.98	9566.81	857.90	11071.57	1057.51	11290.62	994.70	12524.55				

(Contd.)

Table 12.2 (Contd.)

Commodity	2014-15			2015-16			2016-17			2017-18 (P)							
	(1)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
Fresh vegetables	8.24	11.14	140.73	394.45	8.55	11.12	15.66	-	25.64								
Processed vegetables	10.96	104.45	15.38	120.33	13.32	115.26	15.34	-	134.83								
Processed fruits and juices	33.55	499.54	40.49	526.49	42.99	548.10	53.59	-	803.81								
Cereal preparations	72.72	583.93	61.70	575.42	66.46	579.03	71.10	-	659.68								
Cocoa products	65.39	1551.63	56.42	1398.91	63.61	1542.28	71.26	-	1473.10								
Milled products	3.47	17.72	4.39	21.40	3.56	16.22	3.28	-	13.02								
Misc processed items	-	1785.23	-	1811.12	-	2115.82	-	-	2249.73								
Animal casings	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	0.00								
Buffalo meat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	0.00								
Sheep/goat meat	0.09	8.73	0.05	4.80	0.13	8.50	0.22	-	13.36								
Other meat	0.47	19.50	0.50	17.18	0.59	19.03	0.78	-	27.80								
Processed meat	0.17	5.17	0.07	2.75	0.13	4.47	0.10	-	3.22								
Dairy products	43.84	375.01	18.30	371.58	16.91	254.84	23.39	-	312.59								
Poultry products	-	38.22	-	26.42	-	29.46	-	-	26.87								
Floriculture products	4.82	113.37	4.77	114.40	5.57	133.81	6.24	-	136.46								
Alcoholic beverages	-	2508.66	-	2935.85	-	3590.33	-	-	3876.14								
Marine products	27.72	453.90	50.35	639.77	52.02	633.39	44.71	-	793.30								
Ayush and herbal products	23.48	352.58	11.67	354.35	11.36	358.87	13.64	-	392.72								
Jute, raw	44.00	139.58	88.37	363.44	138.84	704.13	68.14	-	289.02								
Jute hessian	-	177.79	-	181.41	-	57.45	-	-	122.38								
Cotton raw incld. Waste	289.39	3101.92	233.14	2566.21	499.62	6338.92	469.13	-	6306.77								
Total Agricultural Imports	-	121319.02	-	140289.22	-	164226.83	-	152095.20	-	3001033.434	-						
Total National Imports	-	2737086.58	-	2490305.54	-	2577675.37	-	3001033.434	-	-	-	-	-	-	-	-	-
% Share of Agricultural Imports in National Imports	-	4.43	-	5.63	-	6.39	-	5.07	-	-	-	-	-	-	-	-	-

Source:- Directorate General of Commercial Intelligence & Statistics, D/o Commerce, Kolkata.
(P) - Provisional

Table 12.3: India's Exports of Principal Agricultural Commodities

Commodity	2009-10			2010-11			2011-12			2012-13			2013-14		
	(1)	Quantity (2)	Value (3)	Quantity (4)	Value (5)	Quantity (6)	Value (7)	Quantity (8)	Value (9)	Quantity (10)	Value (11)	Quantity (12)	Value (13)	Quantity (14)	Value (15)
Tea	207.83	2943.53	238.15	3354.34	271.98	4078.53	268.80	4718.79	249.91	471.07	253.90	4799.10	4873.34		
Coffee	157.13	2032.06	231.00	3009.91	276.52	4534.62	254.02	471.07	253.90	4799.10	4799.10	4799.10	4799.10		
Rice-Basmati	2016.87	10889.60	2330.25	11354.63	3169.45	15449.60	3459.83	19409.39	3754.10	29291.82					
Rice(other than Basmati)	139.55	365.30	100.68	231.29	3991.77	8659.13	6687.85	14448.81	7148.47	17795.21					
Wheat	0.03	0.05	0.40	0.70	749.63	1023.20	6514.82	10529.00	5572.03	9277.65					
Other cereals	2881.22	2973.19	3220.09	3648.49	4072.57	5492.92	5441.31	8180.61	4637.54	7178.14					
Pulses	100.13	408.32	209.02	870.04	173.50	1067.93	202.67	1284.99	345.55	1748.81					
Tobacco unmanufactured	230.80	3621.44	215.88	3151.58	197.17	2899.46	230.41	3815.76	237.11	4782.74					
Tobacco manufactured	-	722.96	-	833.61	-	1106.96	-	1214.47	-	1351.72					
Spices	601.40	5948.73	688.39	7886.51	858.20	13102.50	932.59	15176.75	896.57	15146.36					
Cashew	107.47	2801.58	92.38	2819.39	107.81	4390.16	104.09	4067.21	120.74	5095.49					
Cashew nut shell liquid	11.23	27.62	11.92	33.77	13.19	59.46	9.19	29.84	9.48	38.61					
Sesame seeds	215.69	1494.10	360.13	2307.52	388.23	2641.66	299.48	2880.85	257.44	3583.46					
Niger seeds	6.00	24.23	12.86	44.51	28.23	117.27	17.90	90.13	20.84	113.61					
Groundnut	340.26	1425.93	433.76	2178.41	832.62	5246.45	535.64	4065.36	509.75	3187.66					
Other oil seeds	49.79	139.36	42.82	113.40	61.81	201.43	87.59	414.61	194.46	945.53					
Vegetable oils	14.75	182.90	13.71	114.62	29.67	269.10	36.09	469.35	23.01	324.82					
Oil meals	4671.14	7831.79	6945.17	11069.58	7405.19	11796.46	6578.17	16519.53	6576.51	17070.13					
Guargam meal	2174.1	1133.31	421.43	2938.70	702.73	16523.87	406.32	21287.00	601.97	11735.39					
Castor oil	397.99	2179.28	424.46	2982.92	492.63	4571.67	565.99	4309.82	544.80	4364.33					
Shellac	4.04	71.30	4.33	140.07	4.34	256.79	3.60	401.74	7.75	514.03					
Sugar	44.74	110.21	1733.87	5472.79	2749.43	8766.78	2793.78	8576.32	2477.64	7178.50					
Molasses	31.10	19.77	371.93	214.09	384.13	204.33	342.15	223.03	211.65	147.29					
Fruits / vegetable seeds	8.43	145.08	11.62	184.92	15.21	287.76	17.17	347.72	19.34	416.58					

(Contd.)

Table 12.3 (Contd.)

Commodity	2009-10			2010-11			2011-12			2012-13			2013-14		
	Quantity (1)	Quantity (2)	Value (3)	Quantity (4)	Value (5)	Quantity (6)	Value (7)	Quantity (8)	Value (9)	Quantity (10)	Value (11)	Quantity (12)	Value (13)	Quantity (14)	Value (15)
Fresh fruits	475.76	1524.21	446.76	1355.19	488.00	1937.22	534.62	2686.57	525.22	-	3645.62	-	-	-	
Fresh vegetables	2032.40	3014.32	1660.25	2620.48	2040.45	3023.31	2343.88	3407.19	2291.75	-	5384.47	-	-	-	
Processed vegetables	-	743.12	-	747.92	-	1043.72	-	1102.56	-	-	1288.86	-	-	-	
Processed fruits and juices	-	1904.18	-	1859.96	-	2277.04	-	2577.32	-	-	3332.05	-	-	-	
Cereal preparations	172.20	1030.09	2135.58	1264.15	299.62	1888.62	292.69	2240.76	319.55	-	2856.26	-	-	-	
Cocoa products	5.86	96.99	9.08	126.97	16.68	175.98	19.08	293.92	16.23	-	573.22	-	-	-	
Milled products	72.74	153.63	99.10	197.06	171.12	358.92	273.55	603.61	419.26	-	1008.00	-	-	-	
Misc processed items	-	838.19	-	1065.48	-	1434.17	-	1853.98	-	-	2531.48	-	-	-	
Animal casings	1.72	32.82	1.80	33.24	1.01	33.98	0.65	21.46	0.35	-	28.46	-	-	-	
Buffalo meat	490.40	5481.43	726.66	8613.31	984.96	13741.11	1076.10	17408.99	1365.64	-	26457.82	-	-	-	
Sheep/goat meat	53.07	745.94	12.30	258.83	10.94	252.83	15.29	426.47	22.61	-	694.12	-	-	-	
Other meat	1.17	10.75	1.03	9.51	0.32	3.67	0.19	2.33	0.27	-	3.40	-	-	-	
Processed meat	0.67	8.79	0.92	13.96	0.58	9.50	0.80	9.37	0.51	-	7.68	-	-	-	
Dairy products	-	796.99	-	1216.76	-	647.79	-	2324.68	-	-	4407.78	-	-	-	
Poultry products	-	372.53	-	314.33	-	458.05	-	494.93	-	-	566.80	-	-	-	
Floriculture products	-	294.46	-	296.04	-	365.32	-	423.45	-	-	455.90	-	-	-	
Alcoholic beverages	-	584.87	-	819.86	-	1469.07	-	1932.45	-	-	2429.67	-	-	-	
Marine products	698.45	9899.98	785.07	11917.11	902.41	16584.71	965.10	18841.20	1000.82	-	30627.28	-	-	-	
Ayush and herbal products	59.05	1247.05	70.58	1346.99	73.77	1696.97	84.49	2120.36	76.72	-	2208.55	-	-	-	
Jute, raw	48.32	54.40	36.02	128.33	28.11	80.92	33.80	95.67	44.02	-	113.35	-	-	-	
Jute hessian	-	307.63	-	722.87	-	945.83	-	876.68	-	-	859.59	-	-	-	
Cotton raw incld. Waste	-	9537.08	-	13162.42	-	21624.24	-	20276.51	1947.70	-	22337.84	-	-	-	
Total Agricultural Exports	-	86171.10	-	113046.58	-	182801.00	-	227192.61	-	262778.54	-	1905011.00	-	13.79	
Total National Exports	-	845533.64	-	1136964.22	-	1465959.31	-	1634318.29	-	13.90	-	13.79	-	13.79	
% Share of Agricultural Exports in National Exports	-	10.19	-	9.94	-	12.47	-	13.90	-	13.79	-	13.79	-	13.79	

(Contd.)

Table 12.3 (Contd.)

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

Commodity	2014-15			2015-16			2016-17			2017-18 (P)		
	(1)	Quantity (12)	Value (13)	Quantity (14)	Value (15)	Quantity (16)	Value (17)	Quantity (18)	Value (19)	Quantity	Value	
Tea	234.39	4171.25	245.70	4719.00	243.43	4905.64	272.89	5396.65				
Coffee	463.55	4973.25	255.74	5125.45	288.61	5646.43	317.83	6245.36				
Rice-Basmati	3698.93	27586.71	4045.83	22718.60	3985.21	21512.91	4056.85	26870.67				
Rice(other than Basmati)	8302.21	20441.55	6444.59	15483.39	6770.83	16929.88	8818.53	23437.23				
Wheat	2924.05	4991.81	666.68	1061.77	265.61	447.85	322.79	624.37				
Other cereals	3515.35	5262.16	967.93	1702.50	734.77	1425.77	864.24	1604.28				
Pulses	222.14	1218.31	255.72	1655.90	136.72	1277.70	179.60	1469.63				
Tobacco unmanufactured	219.57	4162.71	215.32	4373.45	204.45	4249.85	185.36	3828.13				
Tobacco manufactured	-	1705.88	-	2078.91	-	2174.12	-	2193.58				
Spices	939.01	14847.74	831.68	16630.14	1014.45	19111.25	1096.32	20084.91				
Cashew	134.57	5565.85	103.13	5027.99	91.79	5278.61	90.06	5945.28				
Cashew nut shell liquid	10.94	55.81	11.68	57.59	11.40	43.99	8.33	32.63				
Sesame seeds	375.66	4717.77	328.46	3012.31	307.33	2695.84	336.85	2990.93				
Niger seeds	18.16	108.96	14.12	123.27	14.07	117.22	9.22	69.86				
Groundnut	788.31	4675.37	542.73	4075.63	725.71	5444.33	504.04	3386.30				
Other oil seeds	247.54	1135.36	204.62	964.47	193.27	846.58	295.10	1126.32				
Vegetable oils	423.72	580.13	30.60	522.94	60.47	779.97	37.06	566.04				
Oil meals	3904.59	8129.18	2056.36	3599.56	2632.26	5410.10	3570.78	7043.15				

(Contd.)

Table 12.3 (Contd.)

Commodity	2014-15			2015-16			2016-17			2017-18 (P)		
	(1)	Quantity (12)	Value (13)	Quantity (14)	Value (15)	Quantity (16)	Value (17)	Quantity (18)	Value (19)	Quantity	Value	
Guargum meal	665.11	9478.26	325.25	3233.87	419.95	3106.62	494.13	4169.56				
Castor oil	566.46	4710.42	586.78	4616.10	599.20	4521.51	697.09	6730.00				
Shellac	5.24	267.47	6.39	203.31	6.06	225.53	6.53	285.18				
Sugar	1955.19	5328.83	3844.45	9824.52	2544.01	8659.54	1757.93	5225.60				
Molasses	247.61	193.01	818.57	656.84	390.67	314.94	123.97	97.45				
Fruits / vegetable seeds	12.50	427.04	13.10	529.19	11.29	522.75	14.47	670.91				
Fresh fruits	539.23	3160.08	654.66	4191.24	817.06	4974.21	714.00	4913.28				
Fresh vegetables	2081.80	4666.45	2104.36	5237.10	3404.07	5790.71	2448.02	5297.72				
Processed vegetables	186.04	1721.89	174.43	1697.22	192.86	1765.75	212.20	1823.36				
Processed fruits and juices	588.38	3626.86	532.29	3767.08	533.15	3921.08	573.28	4169.13				
Cereal preparations	313.67	3036.64	316.54	3358.12	339.95	3565.55	353.35	3561.69				
Cocoa products	33.37	848.66	32.65	1267.61	25.65	1086.77	29.58	1144.35				
Milled products	420.85	1030.61	431.46	1102.73	255.80	813.54	270.40	876.62				
Misc processed items	-	2772.44	-	2907.85	-	3053.79	-	3548.95				
Animal casings	0.26	19.33	0.21	17.02	0.17	13.84	12.42	327.44				
Buffalo meat	1503.51	29282.58	1314.22	26684.22	1323.58	26161.38	1350.25	26035.19				
Sheep/goat meat	23.61	828.11	21.95	837.76	22.01	869.84	22.80	843.61				
Other meat	0.26	2.67	0.00	0.00	0.01	0.21	0.45	7.00				
Processed meat	0.41	14.20	0.28	6.16	0.14	4.58	0.27	9.89				

(Contd.)

Table 12.3 (Contd.)

Commodity	2014-15			2015-16			2016-17			2017-18 (P)		
	Quantity (1)	Value (12)	Quantity (13)	Value (14)	Quantity (15)	Value (16)	Quantity (17)	Value (18)	Quantity (18)	Value (19)		
Dairy products	104.17	2169.03	77.53	1677.46	90.35	1701.18	102.26	1954.63				
Poultry products	-	651.19	-	769.14	-	530.44	-	-		552.09		
Floriculture products	22.95	460.80	22.69	483.41	22.02	546.71	20.70	-		507.32		
Alcoholic beverages	-	2264.89	-	2030.92	-	2004.79	-	-		2105.78		
Marine products	1231.81	33688.38	978.04	31219.48	1185.27	39593.78	1432.46	-		47646.41		
Ayush and herbal products	92.06	2169.49	95.88	2385.49	83.36	2693.57	89.10	-		2940.06		
Jute, raw	37.39	119.20	25.11	113.58	18.18	76.63	27.20	-		95.43		
Jute hessian	-	770.08	-	824.89	-	927.32	-	-		909.94		
Cotton raw incld. Waste	1142.53	11642.64	1347.07	12821.13	996.09	10907.32	1101.47	-		12200.05		
Total Agricultural Exports	-	239631.04	-	215396.32	-	226651.91	-	-		251563.94		
Total National Exports	-	1896348.42	-	1716384.40	-	1849433.55	-	-		1956514.53		
% Share of Agricultural Exports in National Exports	-	12.64	-	12.55	-	12.26	-	-		12.86		

Source:- Directorate General of Commercial Intelligence & Statistics, D/o Commerce, Kolkata.
(P) - Provisional

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

(As on 25.01.2019)			
S. No	Item description	Basic Customs duty (%)	Bound duty (%)
(1)	(2)	(3)	(4)
I. Cereals and Pulses			
1	Pulses	Chickpeas-60, Bengal, Gram-60, Kabuli, Chana-40, Tur-10, Yellow Peas-50, Lentils-30, Rest- Nil	Peas: 50, Rest: 100
2	Wheat	30	100
3	Maize (Corn) seed	50	70
4	Rice in the husk	80	80
5	Husked (brown) rice; broken rice	80	80
6	Semi-milled or wholly milled rice whether or not polished	70	70
7	Millet, Jowar	50	70
8	Sorghum	50	80
9	Buck wheat	Nil	100
10	Other cereals (rye, barley etc.)	Nil	150
II. Cereals Products			
1	Atta	30	150
2	Maida	30	150
3	Sooji	30	150
4	Wheat and potato starch	30	35
5	Flour, meal and powder of dried leguminous vegetables including sago, tamarind and mango	30	150
6	Other starches	50	100
7	Roasted malt	30	100
8	Unroasted malt	30	40
III. Dairy Products			
1	Fresh milk and cream	30	100* (varies with fat content)
2	Butter and melted butter (ghee)	30	40
3	Cheese	30	40
4	Milk powder	60	60
5	Yoghurt	30	150

(Contd.)

Table 12.4 (*Contd.*)

S. No	Item description	Basic Customs duty (%)	Bound duty (%)
(1)	(2)	(3)	(4)
IV. Plantation Crops			
1	Tea	100	150
2	Coffee	100	100
3	Coconut	70	100
4	Copra	35	300
5	Cassia and cinnamon	30	100
6	Cloves	35	100
7	Other Spices	30	150
V. Meat & Poultry			
1	Chicken sausages	100	150
2	Chicken leg (processed)	100	150
3	Meat of chicken, not cut in pieces	30	100
4	Meat of bovine animals, fresh or chilled	30	100
5	Other meat and offal	30	100
6	Processed hams	30	55
7	Fish	-30 (Atlantic salmon -10)	U
VI. Raw/ White/ Refined Sugar		100	150
VII. Horticulture			
1	Apples	50	50
2	Grapefruit	40	40
3	Strawberries, dried apricots etc.	30	100
4	Banana	30	100
5	Pears and Quinces (fresh)	30	-
6	Oranges; lemons and limes; fresh grapes	30	40
7	Fresh pomegranates, lichi, tamarind (fresh), custard apple	15	100
8	Garlic	100	100
9	Onions & Shallots	Nil	100
10	Mushrooms	30	35

(Contd.)

Table 12.4 (*Contd.*)

S. No	Item description	Basic Customs duty (%)	Bound duty (%)
(1)	(2)	(3)	(4)
11	Potato (fresh or chilled)	30	100
12	Sweet Potato	30	100
13	Frozen vegetables-peas, beans, spinach, sweet corn etc.	30	150
14	Other edible roots and tubers with high starch or insulin content, fresh or chilled (cassava)	30	150
15	Other vegetables (mixture of vegetables)	30	35
16	Arecanut	100	100
17	Hop cones (ground, powdered or inpellets)	30	100
18	Hop cones (other than ground, powdered or inpellets)	30	100
19	Betel leaves	30	100
20	Planting materials of oilseeds	30/45/70	100
21	Oilseeds, misc grains, seeds of fruits, industrial or medicinal plants (other than the kind used for sowing and hop cones)	30	100
22	Basil, hyasop, rosemary, sage, savory, comboge fruit rind	15	100
23	Apricot, peach, cherries	30	100
24	Seeds of a kind used for sowing (other than vegetable seeds)	Sugar beet- 5, Others- 15	100
25	Vegetable seeds	5	100
26	Oil-cake and oil-cake meal solvent extracted (defatted) varieties of coconut/copra' oil-cake and oil-cake meal expeller variety of conconut/ copra.other residue of coconut/ copra	15	100
VIII. Edible Oils (Crude)			
1	Soybean Oil	35	45
2	Palm Oil	44	300
3	Groundnut Oil	35	300
4	Sunflower/ Safflower	35	300
5	Coconut Oil	35	300
6	Rapeseed Oil	35	70

(Contd.)

Table 12.4 (*Contd.*)

S. No	Item description	Basic Customs duty (%)	Bound duty (%)
(1)	(2)	(3)	(4)
7	Colza or Mustard Oil	35	75
8	Castor Oil/ Tung Oil	35	100
9	Other Oils	35	200
10	Safflower	35	300
IX Edible Oils (Refined)			
1	Soybean Oil	45	45
2	RBD Palmolein	54	300
3	Palm Oil	54	300
4	Groundnut Oil	45	300
5	Sunflower	45	300
6	Coconut Oil Edible grade	45	300
7	Coconut Oil Other	45	300
8	Rapeseed Oil	45	75
9	Colza or Mustard Oil	45	75
10	Castor Oil/ Tung Oil	45	100
11	Safflower	45	300
12	Other Oils edible grade	45	200

Source:- Department of Revenue, Ministry of Finance.

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

Commodity	Weight	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(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 12.5(b): Growth rate (Inflation) of Wholesale Price Index of Foodgrains
(Base: 2011-12=100)**

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

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

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

Commodity	Weight	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(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
Soybean Oil	0.34	110.9	107.2	102.7	98.5	104.5	106.1
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
Raw Cotton	0.66	95.0	108.6	95.8	89.5	106.8	107.5
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 12.6(b): Growth rate (Inflation) of Wholesale Price Index of Commercial Crops (Base: 2011-12=100)

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

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

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

Group/ Sub-Group	Weight	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(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:

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

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

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

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

13

Land Use Statistics

Table 13.1: Agricultural Land by use in India

S.No.	Classification	1950-51	1960-61	1970-71	1980-81	1990-91	2000-01	2001-02	2002-03	2003-04 (Million Hectares)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
I.	Geographical Area	328.73	328.73	328.73	328.73	328.73	328.73	328.73	328.73	328.73
II.	Reporting Area for Land Utilisation Statistics (1 to 5)	284.32	298.46	303.75	304.16	304.86	305.19	305.13	305.36	305.57
1.	Forest	40.48	54.05	63.83	67.46	67.81	69.84	69.72	69.82	69.97
%		14.24	18.11	21.01	22.18	22.24	22.88	22.85	22.87	22.90
2.	Not Available for Cultivation (A+B)	47.52	50.75	44.61	39.55	40.48	41.23	41.33	41.64	41.98
(A) Area Under Non-agricultural Uses		9.36	14.84	16.48	19.60	21.09	23.75	23.91	24.12	24.52
%		3.29	4.97	5.42	6.44	6.92	7.78	7.84	7.90	8.02
(B) Barren & Un-culturable Land		38.16	35.91	28.13	19.96	19.39	17.48	17.41	17.52	17.47
%		13.42	12.03	9.26	6.56	6.36	5.73	5.71	5.74	5.72
3.	Other Uncultivated land excluding Fallow Land +B+C)	49.45	37.64	35.13	32.31	30.22	27.74	27.49	27.53	27.11
(A) Permanent Pasture & other Grazing Land		6.68	13.97	13.26	11.99	11.40	10.66	10.53	10.45	10.48
%		2.35	4.68	4.37	3.94	3.74	3.49	3.45	3.42	3.43
(B) Land under Iscellaneous Tree Crops & Groves not included in Net Area Sown		19.83	4.46	4.37	3.58	3.82	3.44	3.44	3.43	3.38

(Contd.)

Table 13.1 (Contd.)

S.No.	Classification	1950-51	1960-61	1970-71	1980-81	1990-91	2000-01	2001-02	2002-03	2003-04
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
	%	6.97	1.49	1.44	1.18	1.25	1.13	1.13	1.12	1.11
	(C) Culturable Waste Land	22.94	19.21	17.50	16.74	15.00	13.63	13.52	13.65	13.24
	%	8.07	6.44	5.76	5.51	4.92	4.47	4.43	4.47	4.33
4. Fallow Lands (A+B)		28.12	22.82	19.33	24.55	23.37	25.04	25.86	34.43	25.80
	(A) Fallow Lands other than Current Fallows	17.45	11.18	8.73	9.72	9.66	10.27	10.51	11.97	11.31
	%	6.14	3.75	2.87	3.20	3.17	3.36	3.45	3.92	3.70
	(B) Current Fallows	10.68	11.64	10.60	14.83	13.70	14.78	15.34	22.46	14.49
	%	3.76	3.90	3.49	4.88	4.49	4.84	5.03	7.36	4.74
5. Net Area Sown (6-7)		118.75	133.20	140.86	140.29	142.87	141.34	140.73	131.94	140.71
	%	41.77	44.63	46.37	46.12	46.86	46.31	46.12	43.21	46.05
6. Total Cropped Area (Gross Cropped Area)		131.89	152.77	165.79	172.63	185.74	185.34	188.01	173.89	189.66
7. Area Sown more than once		13.15	19.57	24.93	34.63	42.87	44.00	47.28	41.95	48.95
8. Cropping Intensity*		111.07	114.69	117.70	123.05	130.01	131.13	133.60	131.79	134.79
III. Net Irrigated Area		20.85	24.66	31.10	38.72	48.02	55.20	56.94	53.90	57.10
IV. Gross Irrigated Area		22.56	27.98	38.20	49.78	63.20	76.19	78.37	73.06	78.00

(Contd.)

Table 13.1 (Contd.)

S.No.	Classification	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
(1)	(2)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(P) (22)
I.	Geographical Area	328.73	328.73	328.73	328.73	328.73	328.73	328.73	328.73	328.73	328.73	328.73
II.	Reporting Area for Land Utilisation Statistics (1 to 5)	305.59	306.88	307.09	307.23	307.41	307.41	307.48	307.39	307.49	307.80	307.82
1.	Forest	69.96	71.43	71.46	71.53	71.54	71.56	71.59	71.60	71.57	71.83	71.79
%		22.89	23.28	23.27	23.28	23.27	23.28	23.28	23.29	23.28	23.34	23.32
2.	Not Available for Cultivation (A+B)	42.23	42.32	42.73	42.90	43.06	43.33	43.58	43.53	43.58	43.86	43.88
	(A) Area Under Non-agricultural Uses	24.76	24.99	25.45	25.88	26.21	26.16	26.40	26.31	26.50	26.91	26.88
%		8.10	8.14	8.29	8.42	8.53	8.51	8.59	8.56	8.62	8.74	8.73
	(B) Barren & Un-culturable Land	17.47	17.33	17.29	17.02	16.85	17.18	17.18	17.22	17.07	16.95	17.00
%		5.72	5.65	5.63	5.54	5.48	5.59	5.59	5.60	5.55	5.51	5.52
3	Other Uncultivated land excluding Fallow Land (B+C)	27.09	27.06	27.04	26.81	26.42	26.50	26.15	26.11	26.08	25.83	25.83
	(A) Permanent Pasture & other Grazing Land	10.45	10.44	10.42	10.36	10.34	10.34	10.30	10.31	10.26	10.26	10.26
%		3.42	3.40	3.39	3.37	3.37	3.36	3.35	3.36	3.34	3.33	3.33
	(B) Land under Miscellaneous Tree Crops & Groves not included in Net Area Sown	3.36	3.39	3.35	3.40	3.34	3.21	3.20	3.16	3.18	3.19	3.10
%		1.10	1.10	1.09	1.11	1.09	1.05	1.04	1.03	1.03	1.04	1.01
	(C) Culturable Waste Land	13.27	13.22	13.27	13.04	12.73	12.95	12.65	12.64	12.64	12.39	12.47
%		4.34	4.31	4.32	4.25	4.14	4.21	4.11	4.11	4.11	4.02	4.05

(Contd.)

Table 13.1 (Contd.)

S.No.	Classification	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
(1)	(2)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)
4. Fallow Lands (A+B)		25.67	24.91	26.03	24.98	24.48	26.85	24.60	25.18	26.32	24.85	26.18
(A) Fallow Lands other than Current Fallows		10.88	10.70	10.52	10.33	10.29	10.84	10.32	10.67	11.04	10.69	11.09
%		3.56	3.49	3.42	3.36	3.35	3.53	3.36	3.47	3.59	3.47	3.60
(B) Current Fallows		14.79	14.21	15.51	14.65	14.19	16.01	14.28	14.51	15.29	14.15	15.09
%		4.84	4.63	5.05	4.77	4.62	5.21	4.64	4.72	4.97	4.60	4.90
5. Net Area Sown (6-7)		140.64	141.16	139.82	141.02	141.90	139.17	141.56	140.98	139.94	141.43	140.13
%		46.02	46.00	45.53	45.90	46.16	45.27	46.04	45.86	45.51	45.95	45.52
6. Total Cropped Area (Gross Cropped Area)		191.10	192.74	192.38	195.22	195.33	189.19	197.68	195.80	194.25	200.95	198.36
7. Area Sown more than once		50.46	51.57	52.56	54.21	53.43	50.02	56.12	54.82	54.31	59.52	58.23
8. Cropping Intensity*		135.88	136.54	137.59	138.44	137.65	135.94	139.64	138.88	138.81	142.09	141.55
III. Net Irrigated Area		59.23	60.84	62.74	63.19	63.64	61.94	63.67	65.71	66.29	68.12	68.38
IV. Gross Irrigated Area		81.08	84.28	86.75	88.06	88.90	85.09	88.94	91.79	92.25	95.77	96.46

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

Note: 1: Percentages worked out over Reported Area.

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

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

Table 13.2: Selected Categories of Land Use

Year	Net area sown	Total cropped area	Area sown more than once (3-2)	Net Irrigated Area	Gross Irrigated Area	(Million Hectares)
						Area Irrigated more than once (6-5)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1950-51	118.75	131.89	13.15	20.85	22.56	1.71
1951-52	119.40	133.23	13.83	21.05	23.18	2.13
1952-53	123.44	137.68	14.23	21.12	23.31	2.18
1953-54	126.81	142.48	15.67	21.87	24.36	2.49
1954-55	127.85	144.09	16.24	22.09	24.95	2.86
1955-56	129.16	147.31	18.16	22.76	25.64	2.88
1956-57	130.85	149.49	18.64	22.53	25.71	3.17
1957-58	129.08	145.83	16.75	23.16	26.63	3.47
1958-59	131.83	151.63	19.80	23.40	26.95	3.55
1959-60	132.94	152.82	19.89	24.04	27.45	3.42
1960-61	133.20	152.77	19.57	24.66	27.98	3.32
1961-62	135.40	156.21	20.81	24.88	28.46	3.58
1962-63	136.34	156.76	20.42	25.67	29.45	3.79
1963-64	136.48	156.96	20.48	25.89	29.71	3.82
1964-65	138.12	159.23	21.11	26.60	30.71	4.11
1965-66	136.20	155.28	19.08	26.34	30.90	4.56
1966-67	137.23	157.36	20.12	26.91	32.68	5.78
1967-68	139.88	163.74	23.86	27.19	33.21	6.01
1968-69	137.31	159.53	22.22	29.01	35.48	6.47
1969-70	138.70	162.27	23.57	30.20	36.97	6.78
1970-71	140.86	165.79	24.93	31.10	38.20	7.09
1971-72	139.72	165.19	25.47	31.55	38.43	6.88
1972-73	137.14	162.15	25.01	31.83	39.06	7.22
1973-74	142.42	169.87	27.46	32.55	40.28	7.74
1974-75	137.79	164.19	26.40	33.71	41.74	8.03
1975-76	141.65	171.30	29.64	34.59	43.36	8.77
1976-77	139.48	167.33	27.86	35.15	43.55	8.40
1977-78	141.95	172.23	30.28	36.55	46.08	9.53
1978-79	142.98	174.80	31.82	38.06	48.31	10.25
1979-80	138.90	169.59	30.69	38.52	49.21	10.69
1980-81	140.29	172.63	32.34	38.72	49.78	11.06
1981-82	142.12	176.75	34.63	40.50	51.41	10.91

(Contd.)

Table 13.2 (Contd.)

Year	Net area sown	Total cropped area	Area sown more than once (3-2)	Net Irrigated Area	Gross Irrigated Area	Area Irrigated more than once (6-5)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1982-83	140.81	172.75	31.94	40.69	51.83	11.14
1983-84	143.21	179.56	36.35	41.95	53.82	11.88
1984-85	140.90	176.33	35.43	42.15	54.53	12.38
1985-86	140.90	178.46	37.56	41.87	54.28	12.42
1986-87	139.58	176.41	36.83	42.57	55.76	13.19
1987-88	134.09	170.74	36.65	42.89	56.04	13.14
1988-89	141.89	182.28	40.39	46.15	61.13	14.98
1989-90	142.34	182.27	39.93	46.70	61.85	15.15
1990-91	143.00	185.74	42.74	48.02	63.20	15.18
1991-92	141.63	182.24	40.61	49.87	65.68	15.81
1992-93	142.72	185.70	42.98	50.29	66.76	16.47
1993-94	142.34	186.58	44.25	51.34	68.26	16.92
1994-95	142.96	188.05	45.09	53.00	70.65	17.65
1995-96	142.20	187.47	45.27	53.40	71.35	17.95
1996-97	142.93	189.50	46.57	55.11	76.03	20.91
1997-98	141.95	189.99	48.04	55.21	75.67	20.46
1998-99	142.75	191.65	48.90	57.44	78.67	21.23
1999-00	141.06	188.40	47.33	57.53	79.22	21.69
2000-01	141.34	185.34	44.00	55.20	76.19	20.98
2001-02	140.73	188.01	47.28	56.94	78.37	21.44
2002-03	131.94	173.89	41.95	53.90	73.06	19.16
2003-04	140.71	189.66	48.95	57.06	78.04	20.98
2004-05	140.64	191.10	50.46	59.23	81.08	21.85
2005-06	141.16	192.74	51.57	60.84	84.28	23.44
2006-07	139.82	192.38	52.56	62.74	86.75	24.01
2007-08	141.02	195.22	54.21	63.19	88.06	24.87
2008-09 (P)	141.90	195.33	53.43	63.64	88.90	25.26
2009-10 (P)	139.17	189.19	50.02	61.94	85.09	23.14
2010-11 (P)	141.56	197.68	56.12	63.67	88.94	25.27
2011-12 (P)	140.98	195.80	54.82	65.71	91.79	26.08
2012-13 (P)	139.94	194.25	54.31	66.29	92.25	25.96
2013-14 (P)	141.43	200.95	59.52	68.12	95.77	27.66
2014-15 (P)	140.13	198.36	58.23	68.38	96.46	28.07

Source: Directorate of Economics & Statistics, DAC&FW

P: Provisional

Table 13.3 : Gross Cropped Area (Percentage Distribution)

Crop	Percentage Share of Area to Gross Cropped Area		
	2012-13 (P)	2013-14 (P)	2014-15 (P)
(1)	(2)	(3)	(4)
Rice	22.00	22.12	22.30
Jowar	3.25	2.86	3.15
Bajra	3.95	4.03	3.96
Maize	4.42	4.49	4.43
Ragi	0.58	0.60	0.60
Wheat	15.70	15.62	16.17
Barley	0.36	0.34	0.37
Other Cereals & Millets	0.41	0.36	0.35
Nutri Cereals	12.96	12.69	12.86
Total Cereals	50.66	50.43	51.33
Gram	4.11	4.68	3.86
Tur	1.80	1.76	1.71
Other Pulses	5.41	5.40	5.37
Total Pulses	11.32	11.83	10.94
Total Food-grains	61.97	62.26	62.27
Sugarcane	2.80	2.75	2.81
Condiments & Spices	1.69	1.65	1.74
Total Fruits	2.12	2.07	2.11
Potatoes	0.85	0.84	0.89
Onions	0.27	0.30	0.33
Total Vegetables	2.82	2.81	2.92
Groundnut	2.68	2.70	2.57
Sesamum	0.92	0.84	0.93
Rapeseed & Mustard	3.07	3.01	2.72
Linseed	0.12	0.11	0.11
Other Oil Seeds	8.15	8.31	7.99
Total Oil Seeds	14.94	14.98	14.33
Cotton	6.12	5.93	6.38
Jute	0.40	0.38	0.38
Mesta	0.04	0.03	0.04
Total Fibers	6.58	6.37	6.82
Tobacco	0.22	0.23	0.24
Other Crops	6.85	6.89	6.76
Gross Cropped Area	100.00	100.00	100.00

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

P: Provisional

Table 13.4 : State-wise Percentage Coverage of Irrigated Area under Principal Crops during 2014-15 (Provisional)

State/Union Territory	Rice	Jowar	Bajra	Maize	Wheat	Barley	Total Cereals	Gram	Tur or Arhar	Total Pulses
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Andhra Pradesh	97.1	30.4	31.3	76.2	15.0	-	89.5	1.0	1.1	2.0
Arunachal Pradesh	20.6	-	-	-	52.9	-	20.9	-	-	-
Assam	11.0	0.0	-	2.7	10.9	0.0	10.9	0.0	0.0	1.7
Bihar	65.0	14.3	0.0	64.3	94.9	51.4	75.2	3.6	1.8	4.5
Chhattisgarh	35.7	0.1	0.0	10.0	75.7	5.0	34.9	41.2	0.1	15.0
Goa	33.7	-	-	-	-	-	33.7	-	-	97.6
Gujarat**	61.5	19.8	22.3	12.5	90.8	46.9	52.5	43.8	7.5	13.1
Haryana	99.9	80.0	41.6	32.7	99.5	94.1	94.0	10.2	85.0	20.7
Himachal Pradesh**	66.1	-	51.5	10.5	21.8	14.2	21.4	9.6	37.3	12.3
Jammu & Kashmir*	90.5	-	4.1	9.4	28.5	13.1	40.9	12.7	-	13.5
Jharkhand	5.0	0.0	0.0	2.6	90.9	24.3	9.4	4.7	0.1	3.9
Karnataka	76.0	10.4	11.2	34.4	60.9	-	36.2	14.8	5.5	8.6
Kerala	76.1	0.0	-	0.0	0.0	-	75.9	0.0	0.0	0.0
Madhya Pradesh	34.2	0.8	0.1	3.5	93.4	65.5	67.2	63.3	1.4	42.8
Maharashtra**	26.1	9.5	5.0	12.7	73.9	0.0	21.0	24.3	1.6	10.9
Manipur**	30.7	-	-	0.0	0.0	-	27.3	0.0	0.0	0.0
Meghalaya	90.7	-	-	0.0	100.0	-	76.3	0.0	0.0	0.0
Mizoram	72.5	-	-	0.0	-	-	58.2	-	0.0	94.3
Nagaland	51.7	0.0	0.0	0.7	17.2	0.0	36.5	11.1	0.0	2.6
Orissa	33.3	-	-	2.6	100.0	-	32.0	-	-	2.2
Punjab	99.7	-	92.4	79.2	99.1	96.1	99.0	89.2	99.4	87.7
Rajasthan	68.6	0.1	3.7	2.0	99.6	98.6	41.3	47.7	4.3	20.7
Sikkim**	98.8	-	-	0.1	0.4	0.2	18.8	-	-	0.2
Tamil Nadu	94.4	13.8	15.6	48.8	100.0	-	71.8	4.6	13.6	10.9
Telangana	98.1	16.1	81.3	35.2	99.2	-	75.3	5.1	0.3	5.1
Tripura**	33.9	-	-	8.3	100.0	-	33.5	100.0	0.0	28.3
Uttarakhand	70.0	-	-	1.0	59.5	1.6	47.3	80.5	1.3	7.9
Uttar Pradesh	86.7	3.5	12.4	45.3	98.8	77.3	87.0	19.7	12.4	27.4
West Bengal**	46.9	65.5	76.5	43.4	98.7	0.0	49.7	18.0	8.3	15.0
All India	60.1	9.9	9.5	26.6	94.2	80.3	60.1	38.6	4.0	19.9

(Contd.)

Table 13.4 (Contd.)

State/Union Territory	Total Food grains	Sugar cane	Groundnut	Rape seed & Mustard	Soybean	Sun flower	Total Oilseeds	Cotton	Tobacco	Total area under all crops
(1)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)
Andhra Pradesh	66.5	92.4	10.8	0.0	34.6	39.8	18.7	19.9	31.2	50.5
Arunachal Pradesh	20.9	0.0	-	-	-	0.0	0.0	-	-	18.7
Assam	10.4	1.5	0.0	0.0	-	0.0	2.5	0.0	-	9.2
Bihar	69.8	79.3	22.5	63.7	-	91.5	57.2	-	88.1	68.7
Chhattisgarh	31.6	98.9	12.2	9.1	1.6	97.5	4.5	57.6	97.0	31.2
Goa	44.5	100.0	84.1	-	-	-	16.5	-	-	24.6
Gujarat**	45.4	94.5	12.4	95.3	0.0	-	29.8	58.7	100.0	47.1
Haryana	92.7	100.0	96.4	82.9	-	100.0	83.1	99.8	100.0	89.1
Himachal Pradesh**	21.0	54.1	12.2	12.9	32.1	-	16.4	100.0	-	21.0
Jammu & Kashmir*	40.2	40.9	0.0	74.6	-	-	69.7	-	0.0	42.8
Jharkhand	8.8	68.3	0.0	54.1	-	0.0	23.2	150.0	-	14.3
Karnataka	27.3	99.4	30.1	5.0	6.5	24.2	29.9	27.2	7.2	34.2
Kerala	74.6	99.9	0.0	-	0.0	-	20.8	0.0	0.0	17.9
Madhya Pradesh	59.7	99.9	10.0	54.3	0.4	55.7	5.3	60.4	66.7	43.3
Maharashtra**	18.0	70.5	20.8	9.0	0.4	22.8	3.2	2.7	16.7	18.2
Manipur**	24.4	0.0	0.0	0.0	0.0	-	0.0	-	-	18.0
Meghalaya	71.9	0.0	-	64.5	0.0	-	45.5	0.0	0.0	37.1
Mizoram	63.0	0.0	-	0.0	0.0	-	0.0	0.0	-	14.5
Nagaland	32.5	0.0	0.0	8.3	0.0	3.0	4.6	0.0	-	21.2
Orissa	29.0	100.0	18.9	25.7	-	-	12.7	-	-	28.7
Punjab	99.0	97.7	36.4	91.9	-	100.0	86.8	100.0	-	98.7
Rajasthan	35.9	98.4	88.3	90.1	0.4	-	63.8	95.2	88.2	42.0
Sikkim**	17.0	-	-	0.4	0.0	-	0.2	-	-	8.9
Tamil Nadu	56.8	100.0	41.0	1.7	98.4	49.3	66.5	26.5	100.0	56.6
Telangana	64.3	100.0	92.9	100.0	7.8	89.3	40.5	12.5	73.7	47.6
Tripura**	33.3	50.3	66.1	40.0	0.0	-	18.8	0.0	-	24.0
Uttarakhand	44.8	98.7	3.2	45.4	2.2	0.0	25.0	-	100.0	49.5
Uttar Pradesh	80.4	95.4	5.3	82.0	0.2	70.5	42.5	97.2	100.0	80.2
West Bengal*	48.4	84.6	-	87.8	-	-	79.1	80.0	99.5	58.8
All India	53.1	90.2	26.7	76.6	0.7	30.1	27.4	33.7	58.8	48.6

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

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

Table 13.5 : Agricultural Land by type of Use

(Thousand Hectares)

Table 13.5 (Contd.)

State/ Union/ Territory/ Year	Geographical Area	Reporting area for land utilisation statistics	Other uncultivated land excluding Fallow Land						Fallow Land						
			Forest	Land not available for cultivation	Land under Misc. tree crops & groves not incl. in net area sown			Fallow lands other than current fallsows	Total Fallow lands	Current fallsows	Total Net area sown	Total cropped area	Agri. Land/ Cultivable Land/ Culturable land/Arable land	Cropping Intensity (Col-14/ Col- 13*100)	
					(5)	(6)	(7)			(10)	(11)	(12)	(13)	(14)	
2012-13	13519	13790	6352	1024	861	1	358	1220	265	257	522	4671	5691	5552	121.8
2013-14	13519	13790	6331	1027	882	1	349	1232	254	260	514	4686	5698	5550	121.6
2014-15	13519	13790	6316	1030	887	1	351	1239	258	267	525	4681	5728	5558	122.4
GOA															
2012-13	370	361	125	37	1	1	53	54		12	12	132	163	197	123.2
2013-14	370	361	125	37	1	1	53	54		15	15	129	158	197	122.2
2014-15	370	361	125	37	1	1	53	54		15	15	129	158	197	122.0
GUJARAT															
2012-13*	19602	19069	1834	3723	851	4	1960	2815	16	379	395	10302	12600	12661	122.3
2013-14*	19602	19069	1834	3723	851	4	1960	2815	16	379	395	10302	12487	12661	121.2
2014-15*	19602	19069	1834	3723	851	4	1960	2815	16	379	395	10302	12773	12661	124.0
HARYANA															
2012-13	4421	4371	40	643	25	4	26	55	18	103	121	3513	6376	3664	181.5
2013-14	4421	4371	39	662	26	7	18	51	22	101	123	3497	6471	3645	185.0
2014-15	4421	4371	38	653	25	9	17	51	22	86	108	3522	6536	3656	185.6
HIMACHAL PRADESH															
2012-13*	5567	4576	1126	1127	1510	64	122	1696	22	54	76	550	960	812	174.6
2013-14*	5567	4576	1126	1127	1510	64	122	1696	22	54	76	550	943	812	171.5
2014-15*	5567	4576	1126	1127	1510	64	122	1696	22	54	76	550	918	812	167.0

(Contd.)

Table 13.5 (Contd.)

State/ Union/ Territory/ Year	Geographical Area	Reporting area for land utilisation statistics	Other uncultivated land excluding Fallow Land						Fallow Land						
			Forest	Land not available for cultivation	Land under Misc. tree crops & groves not incl. in net area sown	Culturable waste land	Total	Fallow lands other than current fallsows	Total	Net area sown	Total cropped area	Agri. Land/ Cultivable Land/ Culturable land/Arable land	Cropping Intensity (Col-14/ Col- 13*100)		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
JAMMU & KASHMIR															
2012-13	22224	4012*	2254*	573	114	65	134	314	13	113	126	745	1162	1070	156.0
2013-14	22224	4012*	2254*	573	114	65	134	313	16	114	130	741	1155*	1070	155.9
2014-15	22224	4058*	2299*	571	112	57	139	308	15	106	121	758	1178*	1075	155.3
JHARKHAND															
2012-13	7972	7970	2239	1281	114	102	349	565	1038	1440	2478	1406	1657	4336	117.9
2013-14	7972	7970	2239	1274	114	98	353	565	1063	1445	2508	1384	1672	4343	120.8
2014-15	7972	7970	2239	1274	114	98	353	565	1122	1386	2507	1385	1554	4343	112.2
KARNATAKA															
2012-13	19179	19050	3073	2222	908	283	413	1604	535	1822	2358	9753	11748	12846	120.0
2013-14	19179	19050	3073	2230	906	281	411	1598	525	1700	2225	9923	12267	12840	123.6
2014-15	19179	19052	3073	2248	904	277	409	1590	525	1572	2097	10044	12247	12827	121.9
KERALA															
2012-13	3886	3886	1082	525	0	3	97	100	56	77	133	2048	2592	2280	126.5
2013-14	3886	3886	1082	526	0	3	97	100	57	71	128	2051	2617	2279	127.6
2014-15	3886	3886	1082	538	0	3	101	103	55	65	120	2043	2625	2266	128.5
MADHYA PRADESH															
2012-13	30825	30756	8693	3513	1286	20	1025	2331	493	375	867	15352	23130	17264	150.7
2013-14	30825	30756	8691	3507	1291	20	1008	2319	468	350	818	15422	24047	17267	155.9

(Contd.)

Table 13.5 (Contd.)

State/ Union- Territory/ Year	Geographical Area	Reporting area for land utilisation statistics	Other uncultivated land excluding Fallow Land						Fallow Land						Agti. Land/ Cultivable Land/ Culturable land/Arable land	Cropping Intensity (Col-14/ Col- 13*100)	
			Forest	Land not available for cultivation	Land under Permanent pastures & other grazing lands			Fallow lands other than current fallows	Current fallows	Total	Net area sown	Total cropped area	(14)	(15)			
					Misc. tree crops & groves not incl. in net area sown	Culturable waste land	Total										
2014-15	30825	30756	8694	3506	1303	20	1010	2333	483	388	871	15351	23810	17252	155.1		
MAHARASHTRA*																	
2012-13	30771	30758	5207	3177	1245	251	916	2412	1200	1418	2618	17344	21943	21129	126.5		
2013-14	30771	30758	5206	3184	1242	250	915	2407	1192	1401	2594	17368	23328	21127	134.3		
2014-15	30771	30758	5201	3209	1249	249	919	2417	1188	1399	2587	17345	23474	21099	135.3		
MANIPUR*																	
2012-13	2233	2072	1728*	27	1	6	1	8	0	0	0	309	309	316	100.0		
2013-14	2233	2111	1699*	27	1	6	1	8	0	0	0	377	377	384	100.0		
2014-15	2233	2117	1699*	27	1	6	1	8	0	0	0	383	383	390	100.0		
MEGHALAYA																	
2012-13	2243	2241	946	239		164	391	555	155	60	215	285	340	1056	119.0		
2013-14	2243	2241	946	239		164	391	555	155	60	215	286	343	1056	120.0		
2014-15	2243	2242	946	240		165	390	555	155	60	215	286	343	1056	120.0		
MIZORAM																	
2012-13	2108	2094	1585	95	5	41	7	53	194	50	244	116	116	408	100.0		
2013-14	2108	2093	1585	100	5	74	7	86	161	47	208	114	114	402	100.0		
2014-15	2108	2039	1585	75	11	41	7	60	127	47	174	145	145	367	100.0		
NAGALAND																	
2012-13	1658	1652	863	95	94	70	164	99	50	150	380	489	694	128.5			
2013-14	1658	1652	863	95	94	70	163	100	50	150	380	499	693	131.2			

(Contd.)

Table 13.5 (Contd.)

State/ Union/ Territory/ Year	Geographical Area	Reporting area for land utilisation statistics	Other uncultivated land excluding Fallow Land						Fallow Land					
			Forest	Land not available for cultivation	Land under Misc. tree crops & groves not incl. in net area sown			Fallow lands other than current fallsows	Total Fallow lands	Current fallsows	Total Net area sown	Total cropped area	Agri. Land/ Cultivable Land/ Culturable land/Arable land	Cropping Intensity (Col-14/ Col- 13*100)
					(5)	(6)	(7)			(10)	(11)	(12)	(13)	(14)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
2014-15	1658	1652	863	95	92	68	161	99	50	149	384	500	694	130.3
ODISHA														
2012-13	15571	15502	5814	2409	536	198	551	1285	659	949	1608	4386	5069	6743
2013-14	15571	15467	5814	2332	524	216	575	1315	634	877	1511	4495	5168	6797
2014-15	15571	15518	5814	2396	524	211	550	1285	631	918	1549	4474	5173	6784
PUNJAB														
2012-13	5036	5033	262	480	5	9	62	76	6	58	64	4150	7870	4286
2013-14	5036	5033	258	550	5	8	6	19	6	55	60	4145	7848	4219
2014-15	5036	5033	256	488	5	8	69	82	6	83	89	4119	7857	4285
RAJASTHAN														
2012-13	34224	34267	2750	4275	1694	23	4152	5870	2024	1869	3894	17479	23954	25548
2013-14	34224	34267	2758	4274	1694	24	4000	5718	1847	1403	3250	18268	26120	25542
2014-15	34224	34267	2740	4343	1674	26	4038	5738	2069	1856	3925	17521	24235	25511
SIKKIM*														
2012-13	710	443	336*	10	4	4	8	5	7	12	77	144	97	186.2
2013-14	710	443	336*	10	4	4	8	5	7	12	77	147	97	190.5
2014-15	710	442	336*	10	4	4	8	5	7	12	77	136	97	176.0
TAMIL NADU														
2012-13	13006	13033	2125	2672	110	250	328	687	1696	1308	3004	4544	5140	8126
														113.1 (Contd.)

Table 13.5 (Contd.)

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	Other uncultivated land excluding Fallow Land			Fallow Land			Agri. Land/ Cultivable Land/ Culturable land/Arable land	Cropping Intensity (Col-14/ Col- 13*100)
									Land under Permanent pastures & other grazing lands	Culturable waste land	Total	Fallow lands other than current fallow	Total	Current fallow	Net area sown	Total cropped area
2013-14	13006	13033	2125	2678	110	245	328	683	1718	1115	2833	4714	5897	8120	125.1	
2014-15	13006	13033	2125	2688	108	236	325	669	1734	998	2732	4819	5995	8112	124.4	
TELANGANA																
2013-14	11487*	11484	2743	1510	302	114	178	593	717	960	1677	4961	6288	6929	126.7	
2014-15	11231*	11208	2540	1492	299	112	183	593	805	1401	2206	4377	5315	6877	121.5	
TRIPURA																
2012-13	1049	1049	629	144	2	12	3	17	2	1	3	255	474	274	185.9	
2013-14	1049	1049	629	145	1	12	3	16	2	1	3	255	474	273	186.0	
2014-15	1049	1049	629	146	1	11	3	15	2	1	3	255	483	272	189.3	
UTTARAKHAND																
2012-13	5348	5673	3485	449	192	390	315	897	86	51	136	706	1124	1547	159.2	
2013-14	5348	5992	3800	450	192	389	317	898	86	57	143	701	1099	1550	156.8	
2014-15	5348	5993	3800	452	192	388	317	897	86	57	144	700	1097	1549	156.7	
UTTAR PRADESH																
2012-13	24093	24170	1658	3371	66	350	423	839	537	1201	1739	16564	25821	19075	155.9	
2013-14	24093	24170	1658	3491	65	325	410	801	539	1135	1674	16546	25896	18955	156.5	
2014-15	24093	24170	1659	3508	65	305	405	776	509	1122	1631	16538	26147	18939	157.5	
WEST BENGAL																
2012-13	8875	8684	1174	1834	3	50	24	76	15	379	395	5205	9459	5673	181.7	

(Contd.)

Table 13.5 (Contd.)

State/ Union/ Territory/ Year	Geographical Area	Reporting area for land utilisation statistics	Other uncultivated land excluding Fallow Land						Fallow Land						
			Forest	Land not available for cultivation	Land under Misc. tree crops & groves not incl. in net area sown	Culturable waste land	Total	Fallow lands other than current fallsows	Total	Net area sown	Total cropped area	Agri. Land/ Cultivable Land/ Culturable land/Arable land	Cropping Intensity (Col-14/ Col- 13*100)		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
2013-14	8875	8684	1174	1846	2	49	18	69	12	349	362	5234	9618	5662	183.8
2014-15	8875	8683	1173	1853	2	49	17	69	11	339	350	5238	9690	5655	185.0
ANDAMAN & NICOBAR ISLANDS															
2012-13*	825	757	717	9	4	4	3	11	3	3	6	15	25	28	166.8
2013-14*	825	757	717	9	4	4	3	11	3	3	6	15	24	28	165.1
2014-15*	825	757	717	9	4	4	3	11	3	3	6	15	24	28	160.9
CHANDIGARH															
2012-13	11	7	0	5	0	0	0	0	0	0	0	1	2	1	153.5
2013-14	11	7	0	5	0	0	0	0	0	0	0	1	2	1	154.3
2014-15	11	7	0	5	0	0	0	0	0	0	0	1	2	1	155.9
DADAR & NAGAR HAVELI															
2012-13	49	49	20	4	1	0	1	2	2	3	20	24	24	24	121.0
2013-14	49	49	20	4	1	0	1	2	2	4	19	23	24	24	122.2
2014-15	49	49	20	4	1	0	1	2	2	4	19	23	24	24	122.7
DAMAN & DIU															
2012-13	11	3	0	0	0	0	0	0	0	0	0	3	3	3	102.3
2013-14	11	3	0	0	0	0	0	0	0	0	0	3	3	3	102.3
2014-15	11	3	0	0	0	0	0	0	0	0	0	3	3	3	102.3

(Contd.)

Table 13.5 (Contd.)

State/ Union/ Territory/ Year	Geographical Area	Reporting area for land utilisation statistics	Other uncultivated land excluding Fallow Land						Fallow Land						
			Forest	Land not available for cultivation	Land under Permanent pastures & other grazing lands	Culturable waste land	Total	Fallow lands other than current fallows	Total	Net area sown	Total cropped area	Agri. Land/ Cultivable Land/	Cropping Intensity (Col-14/ Col- 13*100)		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
DEHLI															
2012-13*	148	147	1	93	0	1	10	11	8	12	20	22	48	53	218.7
2013-14*	148	147	1	93	0	1	10	11	8	12	20	22	35	53	161.5
2014-15*	148	147	1	93	0	1	10	11	8	12	20	22	35	53	161.5
LAKSHADWEEP															
2012-13	3	3	1										2	3	2
2013-14	3	3	1										2	3	2
2014-15	3	3	1										2	3	2
PUDUCHERRY															
2012-13	48	49	0	19	1	5	6	2	5	8	16	26	30	30	161.6
2013-14	48	49	0	19	1	5	6	3	6	8	15	25	30	30	163.8
2014-15	48	49	0	19	1	5	6	3	5	8	16	27	29	29	168.3
ALL INDIA															
2012-13*	328726	307491	71573	43577	10256	3182	12643	26082	11037	15287	26324	139936	194246	182085	138.8
2013-14*	328726	307796	71828	43861	10258	3187	12388	25832	10694	14154	24848	141427	200950	181850	142.1
2014-15*	328726	307818	71794	43880	10258	3104	12469	25832	11092	15091	26182	140130	193360	181886	141.6

Source: Directorate of Economics & Statistics, DAC&FW

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

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

S. No.	State	Ultimate Potential	Created before AIBP	Target for AIBP	Potential Created under AIBP during										(000 Hectare)
					1996-97	1997-98	1998-99	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	
1	Andhra Pradesh	900.34	23.37	788.91	0.00	0.00	6.20	0.45	7.69	23.55	7.71	4.48	26.84		
2	Assam	262.63	96.23	162.32	1.99	4.53	4.92	7.90	7.47	8.20	3.65	3.95	4.12	2.69	
3	Bihar	1323.64	1430.99	684.65	1.18	0.00	8.00	7.79	13.53	43.30	47.95	44.79	60.38	174.65	
4	Chhattisgarh	791.65	394.94	213.71	0.00	0.00	3.50	2.70	36.19	19.21	11.91	15.97	11.65		
5	Goa	28.63	4.81	23.82	0.00	0.00	1.48	0.54	0.15	0.89	1.72	2.90	1.80	0.25	
6	Gujarat	2028.35	168.21	1830.24	16.12	20.38	36.53	28.44	40.62	15.36	11.98	61.36	77.95	34.09	
7	Haryana	400.50	179.53	200.97	12.09	12.40	14.97	21.12	11.23	12.32	3.27	2.96	7.89	6.90	
8	Himachal Pradesh	37.51	0.00	37.51	0.00	0.00	0.24	0.24	0.33	0.17	0.32	0.49	0.49	0.49	
9	Jammu & Kashmir	154.80	48.93	105.69	0.00	0.00	0.62	0.88	2.43	5.59	2.62	1.08	1.08	1.32	
10	Jharkhand	299.83	6.04	293.79	0.00	0.00	1.80	1.40	1.80	3.60	2.02	1.00	0.00	0.00	
11	Karnataka	1911.59	967.14	953.53	0.77	3.11	7.19	8.48	4.82	66.92	54.97	129.23	69.15	50.48	
12	Kerala	154.84	69.12	57.47	0.43	1.58	0.00	0.80	1.65	5.92	4.80	9.18	5.03	0.65	
13	Madhya Pradesh	1559.01	118.25	1028.50	0.00	0.00	5.00	9.47	9.32	16.68	11.16	50.44	21.06		
14	Maharashtra	2230.69	827.79	1215.17	0.46	26.94	24.12	11.98	21.55	10.49	12.90	27.59	35.97	34.49	
15	Manipur	55.99	4.00	51.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
16	Meghalaya	4.78	0.00	4.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
17	Odisha	844.51	216.21	649.86	1.31	17.22	13.54	8.73	13.04	6.41	4.07	40.00	15.52	4.15	
18	Punjab	337.62	0.00	337.62	0.00	0.00	0.00	0.00	14.16	79.75	2.09	0.00	4.99	18.03	
19	Rajasthan	1752.51	70.11	1605.16	0.83	51.62	58.99	34.77	12.70	29.10	37.36	51.30	59.77	81.19	
20	Tamil Nadu	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
21	Telangana	1145.43	1105.09	827.94	0.00	18.66	40.67	10.72	8.39	28.07	52.28	4.06	7.62	34.68	
22	Tripura	26.72	2.18	24.54	0.62	0.21	0.10	0.67	0.75	0.89	0.00	0.00	0.52	2.05	
23	Uttar Pradesh	5890.70	2658.52	3213.88	29.02	42.61	38.20	56.10	351.23	68.22	78.86	30.07	93.55	111.30	
24	Uttarakhand	310.00	0.00	270.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
25	West Bengal	1057.96	402.02	551.02	11.70	0.30	9.00	11.35	16.25	10.14	5.43	2.55	2.47	5.15	
Total		23510.22	8793.47	15133.04	76.51	199.55	259.75	226.35	533.14	445.36	388.69	444.81	519.15	622.09	<i>(Contd.)</i>

Table 13.6 (Contd.)

S. No.	State	Potential Created under AIBP during												Potential Created under AIBP upto March 2018
		2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	
(1)	(2)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)
1	Andhra Pradesh	24.44	63.43	21.94	10.07	60.13	12.59	4.08	3.79	0.00	29.11	11.89	10.41	328.79
2	Assam	2.80	4.49	7.75	10.87	6.15	4.00	0.45	8.00	0.50	0.00	28.28	0.00	122.69
3	Bihar	45.27	6.40	10.00	0.47	0.00	0.00	0.00	3.68	0.00	0.00	10.31	0.40	478.08
4	Chhattisgarh	11.94	15.82	18.86	10.21	2.83	9.83	11.80	5.00	3.51	1.11	6.66	9.96	208.65
5	Goa	0.41	4.89	1.50	0.53	0.80	0.17	1.26	1.16	0.00	0.00	0.05	0.00	20.50
6	Gujarat	81.84	68.20	20.89	25.66	28.89	21.27	128.20	274.78	162.64	185.91	116.50	312.18	1769.76
7	Haryana	10.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	115.22
8	Himachal Pradesh	3.53	3.34	4.15	4.04	5.01	5.59	3.53	5.55	0.00	0.00	0.00	0.00	37.50
9	Jammu & Kashmir	1.19	4.52	4.74	4.38	8.91	10.15	4.59	4.25	0.54	1.00	0.00	0.00	58.80
10	Jharkhand	0.50	0.00	0.00	0.51	1.66	0.00	4.30	23.83	0.00	0.00	79.19	0.00	121.61
11	Karnataka	76.05	18.75	6.45	32.74	24.71	28.80	8.02	21.33	30.34	88.41	24.62	81.00	836.33
12	Kerala	2.71	0.96	0.12	1.63	2.64	7.55	1.99	1.87	0.09	0.47	0.07	0.24	50.39
13	Madhya Pradesh	18.10	79.41	48.87	35.52	89.73	82.55	99.98	82.77	90.66	52.00	73.74	72.28	947.84
14	Maharashtra	66.89	89.26	65.33	70.78	34.79	41.54	26.39	20.30	21.90	24.26	67.11	31.49	766.51
15	Manipur	5.00	5.92	4.14	1.80	4.00	0.10	4.00	1.20	2.60	2.00	4.00	3.24	38.00
16	Meghalaya	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	Odisha	4.61	14.40	10.73	27.66	36.21	20.31	6.76	11.14	6.44	7.26	5.42	17.61	292.53
18	Punjab	8.18	4.80	27.44	12.89	25.00	0.00	1.00	0.00	0.00	2.89	0.00	0.00	201.22
19	Rajasthan	62.45	129.47	54.00	49.00	396.03	13.01	12.80	11.45	1.77	6.28	0.00	7.05	1160.92
20	Tamil Nadu	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	Telangana	30.08	25.47	60.32	9.31	8.09	25.85	20.07	54.96	7.12	69.22	20.11	84.12	619.87
22	Tripura	3.01	1.73	1.27	4.27	0.51	0.00	0.22	0.00	0.00	0.00	0.00	0.00	16.81
23	Uttar Pradesh	88.62	75.67	105.18	37.35	175.33	67.95	82.05	98.62	9.11	63.78	67.40	61.13	1831.34
24	Uttarakhand	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	West Bengal	2.31	14.55	4.85	5.28	15.27	25.85	3.34	1.72	0.00	0.00	0.00	0.00	147.50
Total	550.01	631.47	478.50	354.97	926.67	377.12	423.93	635.40	337.20	533.70	515.35	691.11	10170.84	

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

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

Table 13.7: State-wise Area covered under Micro Irrigation as on 31.03.2018

S.No.	Name of State	Drip	Sprinkler	Total (Hectares)
(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	Chhattisgarh	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	Uttrakhand	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

14

Inputs

Table 14.1 : Production and Use of Agricultural Inputs in India

Programme	Unit	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1. Seeds										
(i) Production of Breeder Seeds	Thousands Qtls.	45.54	48.42	61.82	68.46	68.64	73.83	91.96	94.41	102.00
(ii) Production of Foundation Seeds	Lakh Qtls.	5.44	6.14	6.50	6.90	7.40	7.96	8.25	9.62	11.46
(iii) Distribution of Certified/Quality Seeds	Lakh Qtls.	91.80	98.03	108.59	120.26	126.75	155.01	179.05	215.81	257.11
2. Consumption of Chemical Fertilisers										
Nitrogenous (N)	Thousands Tonnes	11310	10474	11076	11714	12723	13774	14419	15090	15580
Phosphatic(P)	Thousands Tonnes	4382	4019	4124	4624	5204	5543	5515	6506	7274
Potassic(K)	Thousands Tonnes	1667	1601	1598	2060	2413	2335	2636	3313	3632
Total (N+P+K)	Thousands Tonnes	17360	16094	16798	18398	20340	21651	22570	24909	26486
Per Hectare *	Kgs	92.33	92.55	88.57	96.27	105.53	112.55	115.27	128	140
3. Consumption of Pesticides (Technical Grade Material)										
	Thousands Tonnes	47.02	48.35	41.02	40.67	39.77	43.41	41.64	43.86	41.82

(Contd.)

Table 14.1 (Contd.)

Programme (1)	Unit (2)	2010-11 (12)	2011-12 (13)	2012-13 (14)	2013-14 (15)	2014-15 (16)	2015-16 (17)	2016-17 (18)	2017-18 (19)
1. Seeds									
(i) Production of Breeder Seeds	Thousand Qtls.	118.85	123.38	110.20	82.29	86.21	90.37	110.71	105.08
(ii) Production of Foundation Seeds	Lakh Qtls.	18.06	22.26	16.17	17.43	15.76	14.95	22.09	19.54
(iii) Distribution of Certified/Quality Seeds	Lakh Qtls.	277.34	294.85	313.44	301.39	303.12	304.04	348.58	352.01
2. Consumption of Chemical Fertilisers									
Nitrogenous (N)	Thousand Tonnes	16558	17300	16821	16750	16946	17372	16735	16958
Phosphatic(P)	Thousand Tonnes	8050	7914	6653	5633	6098	6979	6705	6854
Potassic(K)	Thousand Tonnes	3514	2576	2062	2099	2532	2402	2508	2779
Total (N+P+K)	Thousand Tonnes	28122	27790	25536	24482	25576	26753	25949	26591
Per Hectare *	Kgs	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	55.54	52.98	45.62	60.28	56.12	54.12	52.75	58.16

Source: Department of Agriculture, Cooperation & Farmers Welfare, Consumption from State Government

Table 14.2: All-India Consumption of Fertilisers in Terms of Nutrients (N, P & K)

Year	N	P	K	(Thousand Tonnes) Total
(1)	(2)	(3)	(4)	(5)
1950-51	58.7	6.9	-	65.6
1955-56	107.5	13.0	10.3	130.8
1960-61	210.0	53.1	29.0	292.1
1965-66	574.8	132.5	77.3	784.6
1970-71	1487.0	462.0	228.0	2177.0
1975-76	2148.6	466.8	278.3	2893.7
1980-81	3678.1	1213.6	623.9	5515.6
1985-86	5660.8	2005.2	808.1	8474.1
1986-87	5716.0	2078.9	850.0	8644.9
1987-88	5716.8	2187.0	880.5	8784.3
1988-89	7251.0	2720.7	1068.3	11040.0
1989-90	7386.0	3014.2	1168.0	11568.2
1990-91	7997.2	3221.0	1328.0	12546.2
1991-92	8046.3	3321.2	1360.5	12728.0
1992-93	8426.8	2843.8	883.9	12154.5
1993-94	8788.3	2669.3	908.4	12366.0
1994-95	9507.1	2931.7	1124.7	13563.5
1995-96	9822.8	2897.5	1155.8	13876.1
1996-97	10301.8	2976.8	1029.6	14308.1
1997-98	10901.8	3913.6	1372.5	16187.9
1998-99	11353.8	4112.2	1331.5	16797.5
1999-00	11592.7	4798.3	1678.7	18069.7
2000-01	10920.2	4214.6	1567.5	16702.3
2001-02	11310.2	4382.4	1667.1	17359.7
2002-03	10474.1	4018.8	1601.2	16094.1
2003-04	11077.0	4124.3	1597.9	16799.2
2004-05	11713.9	4623.8	2060.6	18398.3
2005-06	12723.3	5203.7	2413.5	20340.5
2006-07	13772.9	5543.3	2334.8	21651.0
2007-08	14419.1	5514.7	2636.3	22570.1
2008-09	15090.5	6506.2	3312.6	24909.3
2009-10	15580.0	7274.0	3632.4	26486.4
2010-11	16558.2	8049.7	3514.3	28122.2
2011-12	17300.3	7914.3	2575.5	27790.0
2012-13	16820.9	6653.4	2061.8	25536.2
2013-14	16750.1	5633.5	2098.9	24482.4
2014-15	16945.4	6098.4	2532.3	25576.1
2015-16	17372.3	6978.8	2401.5	26752.6
2016-17	16735.4	6705.4	2508.3	25949.2
2017-18	16958.0	6854.1	2778.8	26590.9

Source: Department of Agriculture, Cooperation & Farmers Welfare

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

Table 14.3 : Consumption, Production and Import of Fertilisers

Year	Consumption					Production			Imports			(Lakh Tonnes) C & F Value of Imported Urea (₹ Crore)	
	N	P	K	TOTAL	N	P	K	TOTAL	N	P	K	TOTAL	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
1981-82	40.69	13.22	6.73	60.64	31.44	9.49	0.00	40.93	10.54	3.43	6.44	20.41	716.62
1982-83	42.24	14.37	7.27	63.88	34.24	9.80	0.00	44.04	4.25	0.63	6.44	11.32	273.53
1983-84	52.05	17.30	7.75	77.10	34.85	10.48	0.00	45.33	6.56	1.43	5.56	13.55	365.05
1984-85	54.87	18.86	8.38	82.11	39.17	12.63	0.00	51.80	20.08	7.45	8.71	36.24	1500.00
1985-86	56.61	20.05	8.08	84.74	43.28	14.28	0.00	57.56	16.80	8.16	9.03	33.99	1405.00
1986-87	57.16	20.79	8.50	86.45	54.10	16.60	0.00	70.70	11.03	2.55	9.52	23.10	651.00
1987-88	57.17	21.87	8.80	87.84	54.66	16.65	0.00	71.31	1.75	-	8.09	9.84	223.77
1988-89	72.51	27.21	10.68	110.40	67.12	22.52	0.00	89.64	2.19	4.07	9.82	16.08	644.52
1989-90	73.86	30.14	11.68	115.68	67.47	17.96	0.00	85.43	5.23	13.11	12.80	31.14	1538.77
1990-91	79.97	32.21	13.28	125.46	69.93	20.52	0.00	90.45	4.14	10.16	13.28	27.58	1335.82
1991-92	80.46	33.21	13.61	127.28	73.01	25.62	0.00	98.63	5.66	9.67	12.36	27.69	1934.19
1992-93	84.26	28.43	8.84	121.53	74.30	23.06	0.00	97.36	11.37	6.89	10.82	29.08	2216.00
1993-94	87.88	26.69	9.09	123.66	72.31	18.16	0.00	90.47	15.88	7.22	8.57	31.67	1300.18
1994-95	95.07	29.32	11.25	135.64	79.45	24.93	0.00	104.38	14.76	3.80	11.09	29.65	1785.11
1995-96	98.23	28.98	11.56	138.77	87.77	25.58	0.00	113.35	19.93	6.47	13.15	39.55	2840.13
1996-97	103.01	29.77	10.30	143.08	85.99	25.56	0.00	111.55	11.67	4.26	6.13	22.06	1701.74
1997-98	109.01	39.14	13.73	161.88	100.86	29.76	0.00	130.62	13.62	6.72	11.40	31.74	1296.57
1998-99	113.54	41.12	13.32	167.98	104.80	31.44	0.00	136.24	6.35	9.68	15.42	31.45	240.00
1999-00	115.92	47.99	16.78	180.69	108.90	33.99	0.00	142.89	8.33	15.03	17.34	40.75	197.16

(Contd.)

Table 14.3 (Contd.)

Year	Consumption					Production			Imports			C & F Value of Imported Urea (₹ Crore)	
	N	P	K	Total	N	P	K	Total	N	P	K	TOTAL	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
2000-01	109.20	42.15	15.68	167.02	109.61	37.43	0.00	147.04	1.54	3.96	15.41	20.91	*
2001-02	113.10	43.82	16.67	173.60	107.71	38.61	0.00	146.32	2.69	4.29	17.01	23.99	113.09
2002-03	104.74	40.19	16.01	160.94	105.62	39.06	0.00	144.68	0.67	1.70	15.20	17.57	*
2003-04	110.77	41.24	15.98	167.99	106.34	36.32	0.00	142.66	1.32	3.38	15.48	20.18	*
2004-05	117.14	46.24	20.61	183.98	113.39	40.65	0.00	154.04	4.11	2.96	20.45	27.52	684.73
2005-06	127.23	52.04	24.14	203.41	113.55	42.21	0.00	155.76	13.85	11.21	27.47	52.53	1747.34
2006-07	137.73	55.43	23.35	216.51	115.77	45.17	0.00	160.94	26.88	13.23	20.69	60.80	4647.18
2007-08	144.19	55.15	26.36	225.70	108.99	38.07	0.00	147.06	36.77	12.53	26.53	75.83	8334.65
2008-09	150.91	65.06	33.13	249.09	108.70	34.64	0.00	143.34	38.44	29.27	33.80	101.51	11091.87
2009-10	155.80	72.74	36.32	264.86	119.00	43.21	0.00	162.21	34.47	27.56	29.44	91.47	5754.01
2010-11	165.58	80.50	35.14	281.22	121.57	42.23	0.00	163.80	44.92	38.02	40.69	123.63	8348.89
2011-12	173.00	79.14	25.75	277.90	122.59	43.68	0.00	166.27	52.40	44.27	33.35	130.02	15442.02
2012-13	168.21	66.53	20.62	255.36	121.94	38.30	0.00	160.24	46.90	27.78	12.30	86.98	15980.22
2013-14	167.50	56.33	20.99	244.82	123.78	39.60	0.00	163.38	38.08	15.90	13.33	67.31	14987.95
2014-15	169.45	60.98	25.32	255.76	123.94	41.21	0.00	165.15	47.66	18.32	25.37	91.35	12035.26
2015-16	173.72	69.79	24.02	267.53	134.16	43.94	0.00	178.10	50.68	28.88	20.53	100.09	13984.93
2016-17	167.35	67.05	25.08	259.49	133.54	45.95	0.00	179.49	33.88	21.29	23.18	78.35	7024.32
2017-18	169.58	68.54	27.79	265.91	133.86	47.23	0.00	181.09	35.88	20.47	28.95	85.30	8350.94*

Source: Department of Agriculture, Cooperation & Farmers Welfare

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

** Exchange rate is taken as 1 USD - Rs. 64.45

Note : 1. Figure relate to imports made for Govt. Account only.

2. The imports made after decanalisation of phosphatic fertilisers (w.e.f. 17.9.1992) and Potassic fertilisers (w.e.f. 17.6.1993) include the quantities imported by private parties also.

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

Sl. No.	State/Zone	2015-16			2016-17			2017-18					
		N	P	K	Total	N	P	K	Total	N	P	K	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
South Zone													
1	Ardhra Pradesh	1022.97	489.72	185.46	1698.15	982.87	479.19	224.9	1686.96	919.68	423.41	220.93	1564.02
2	Telangana	877.30	327.79	111.16	1316.25	926.2	320.66	125.06	1371.92	896.73	349.04	145.97	1391.74
3	Karnataka	981.62	531.41	266.73	1779.76	876.26	510.73	241.23	1628.22	878.19	459.31	257.78	1595.28
4	Kerala	111.00	41.10	76.53	228.63	78.58	43.19	58.65	180.42	138.21	43.30	60.47	241.98
5	Tamil Nadu	682.73	266.57	195.06	1144.36	513.76	231.66	163.03	908.45	528.65	208.98	182.32	919.95
6	Puducherry	7.56	1.50	1.37	10.43	7.56	1.5	1.37	10.43	7.56	1.50	1.37	10.43
7	A&N Islands	0.00	0.00	0.00	0.00	0.59	0.63	0.38	1.60	0.31	0.35	0.22	0.88
8	Lakshadweep	0.00	0.00	0.00	0.00	0	0	0	0.00	0.00	0.00	0.00	0.00
SZ TOTAL		3683.18	1658.09	836.31	6177.58	3385.82	1587.56	814.62	5788.00	3369.33	1485.89	869.06	5724.28
West Zone													
9	Gujarat	1101.82	313.51	101.42	1516.75	1143.49	340.06	120.9	1604.45	1289.06	416.14	136.37	1841.57
10	Madhya Pradesh	1233.80	650.60	82.14	1966.54	1272.09	617.81	92	1981.90	1262.99	654.85	98.09	2015.93
11	Chhattisgarh	390.78	189.74	57.11	637.63	388.95	220.99	63.41	673.35	330.08	169.00	51.38	550.46
12	Maharashtra	1450.82	841.73	432.03	2724.58	1542.22	799.41	464.5	2806.13	1509.55	880.41	553.58	2943.54
13	Rajasthan	1068.90	443.38	18.36	1530.64	998.28	340.71	15.69	1354.68	862.32	316.60	25.04	1203.96
14	Goa	2.37	1.45	1.02	4.84	2.23	1.37	0.97	4.57	1.66	1.31	0.95	3.92
15	Daman & Diu	0.14	0.02	0.00	0.16	0.14	0.01	0.01	0.16	0.14	0.00	0.00	0.14
16	D&N Haveli	0.57	0.31	0.00	0.88	0.69	0.48	0	1.17	0.30	0.21	0.00	0.51
WZ TOTAL		5249.20	2440.74	692.08	8382.02	5348.09	2320.84	757.48	8426.41	5256.10	2438.52	865.41	8560.03
North Zone													
17	Haryana	1037.10	290.60	19.70	1347.40	1008.2	291.83	42.82	1342.85	1049.27	280.27	46.21	1375.75
18	Punjab	1447.28	418.72	77.71	1943.71	1396.63	369.73	52.18	1818.54	1324.22	298.89	51.34	1674.45

(Contd.)

Table 14.4(a) (Contd.)

Sl. No.	State/Zone	2015-16						2016-17						2017-18					
		N	P	K	Total	N	P	K	Total	N	P	K	Total	N	P	K	Total		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)		
19	Uttar Pradesh	2930.01	1098.08	202.00	4230.09	2890.09	1133.51	237.51	4261.11	3224.29	1191.64	239.07	4655.00						
20	Uttarakhand	170.95	23.49	6.74	201.18	163.67	29.17	9.28	202.12	150.16	24.61	7.95	182.72						
21	Himachal Pr.	36.58	9.81	9.85	56.24	34.56	10.65	11.28	56.49	36.60	9.78	11.19	57.57						
22	J & K	82.20	28.07	11.98	122.25	71.63	29.51	15.52	116.66	81.40	30.59	22.69	134.68						
23	Delhi	5.14	0.43	0.00	5.57	7.57	0.32	0	7.89	5.87	1.55	0.16	7.58						
24	Chandigarh	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00						
NZ TOTAL		5709.26	1869.20	327.98	7906.44	5572.35	1864.72	368.59	7805.66	5871.81	1837.33	378.61	8087.75						
East Zone																			
25	Bihar	1249.79	340.90	106.16	1696.85	1053	308.85	146.72	1508.57	1113.22	386.24	158.11	1657.57						
26	Jharkhand	1228.84	41.01	5.41	169.26	114.51	31.93	2.5	148.94	92.53	70.61	14.64	177.78						
27	Odisha	327.19	133.66	58.85	519.70	302.43	130.89	61.02	494.34	325.05	140.37	71.51	536.93						
28	West Bengal	838.56	451.21	325.89	1615.66	779.51	412.21	310.31	1502.03	746.79	436.10	368.06	1550.95						
EZ TOTAL		2538.38	966.78	496.31	4001.47	2249.45	883.88	520.55	3653.88	2277.59	1033.32	612.32	3923.23						
North East Zone																			
29	Assam	1692.1	335.53	39.88	242.62	153.51	37.62	39.84	230.97	156.78	50.10	45.00	251.88						
30	Tripura	9.57	6.53	6.18	22.28	14.16	7.17	4.78	26.11	9.17	3.23	3.31	15.71						
31	Manipur	10.29	2.77	1.74	14.80	8.6	2.36	1.6	12.56	11.28	4.82	4.56	20.66						
32	Meghalaya	0.00	0.00	0.00	0	0	0	0	0.00	0.00	0.00	0.00	0.00						
33	Nagaland	1.19	0.81	0.51	2.51	1.25	0.85	0.54	2.64	1.26	0.84	0.56	2.66						
34	Arunachal Pr.	0.44	0.03	0.09	0.56	0	0	0	0.00	0.00	0.00	0.00	0.00						
35	Mizoram	1.61	0.29	0.42	2.32	2.21	0.4	0.31	2.92	4.70	0.00	0.00	4.70						
36	Sikkim	0.00	0.00	0.00	0.00	0	0	0	0.00	0.00	0.00	0.00	0.00						
NE TOTAL		192.31	43.96	48.82	285.09	179.73	48.40	47.07	275.20	183.19	58.99	53.43	295.61						
ALL INDIA		17372.33	6978.77	2401.50	26752.61	16735.44	6705.40	2508.31	25949.15	16958.02	6854.05	2778.83	26590.90						

Source: Department of Agriculture, Cooperation & Farmers Welfare

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

Sl. No.	State/Zone	2015-16				2016-17				2017-18			
		N	P	K	Total	N	P	K	Total	N	P	K	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
South Zone													
1	Ardhra Pradesh	135.96	65.09	24.65	225.70	123.56	60.24	28.27	212.07	100.60	46.32	24.17	171.08
2	Telangana	179.23	66.97	22.71	268.91	164.36	56.90	22.19	243.46	170.52	66.37	27.76	264.65
3	Karnataka	96.50	52.24	26.22	174.96	87.50	51.00	24.09	162.58	90.54	47.35	26.58	164.46
4	Kerala	21.25	7.87	14.65	43.78	14.98	8.23	11.18	34.38	26.83	8.41	11.74	46.97
5	Tamil Nadu	104.52	40.81	29.86	175.19	87.36	39.39	27.72	154.48	83.05	32.83	28.64	144.53
6	Puducherry	190.05	37.71	34.44	262.19	209.65	41.60	37.99	289.24	194.90	38.67	35.32	268.88
7	A&N Islands	0.00	0.00	0.00	0.00	61.49	65.66	39.60	166.75	7.06	7.97	5.01	20.03
8	Lakshadweep												
Average (South Zone)		107.00	48.17	24.30	179.46	97.35	45.65	23.42	166.43	94.38	41.62	24.34	160.34
West Zone													
8	Gujarat	90.45	25.74	8.33	124.51	91.21	27.12	9.64	127.98	101.31	32.70	10.72	144.73
9	Madhya Pradesh	52.45	27.66	3.49	83.59	51.15	24.84	3.70	79.70	51.37	26.63	3.99	81.99
10	Chhattisgarh	61.36	29.79	8.97	100.12	58.96	33.50	9.61	102.07	52.02	26.64	8.10	86.76
11	Maharashtra	65.20	37.83	19.42	122.45	63.07	32.69	19.00	114.75	63.56	37.07	23.31	123.94
12	Rajasthan	42.99	17.83	0.74	61.56	40.48	13.82	0.64	54.93	34.45	12.65	1.00	48.10
13	Goa	24.04	14.71	10.34	49.09	22.21	13.64	9.66	45.51	16.48	13.00	9.43	38.91
14	Daman & Diu	35.99	5.14	0.00	41.13	35.90	2.56	2.56	41.03	35.99	0.00	0.00	35.99
15	D&N Haveli	36.31	19.75	0.00	56.05	43.13	30.00	0.00	73.13	18.66	13.06	0.00	31.72
Average (West Zone)		58.77	27.33	7.75	93.85	57.36	24.89	8.12	90.38	56.79	26.35	9.35	92.48
North Zone													
16	Haryana	169.65	47.54	3.22	220.42	163.80	47.41	6.96	218.18	162.34	43.36	7.15	212.85
17	Punjab	185.10	53.55	9.94	248.60	178.30	47.20	6.66	232.17	168.70	38.08	6.54	213.31

(Contd.)

Table 14.4(b) (Contd.)

Sl. No.	State/Zone	2015-16						2016-17						2017-18					
		N	P	K	Total	N	P	K	Total	N	P	K	Total	N	P	K	Total		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)			
18	Uttar Pradesh	107.73	40.37	7.43	155.53	104.11	40.83	8.56	153.51	116.52	43.06	8.64	168.22						
19	Uttarakhand	143.76	19.75	5.67	169.18	138.47	24.68	7.85	171.01	124.69	20.44	6.60	151.73						
20	Himachal Pradesh	37.14	9.96	10.00	57.10	35.17	10.84	11.48	57.49	40.78	10.90	12.47	64.15						
21	Jammu & Kashmir	42.90	14.65	6.25	63.79	38.63	15.91	8.37	62.91	43.61	16.39	12.16	72.16						
22	Delhi	53.06	4.44	0.00	57.49	73.66	3.11	0.00	76.77	59.49	15.71	1.62	76.82						
23	Chandigarh																		
Average (North Zone)		125.99	41.25	7.24	174.47	121.49	40.65	8.04	170.18	127.50	39.90	8.22	175.62						
East Zone																			
24	Bihar	162.19	44.24	13.78	220.21	138.50	40.62	19.30	198.42	143.00	49.62	20.31	212.93						
25	Jharkhand	39.59	13.22	1.74	54.54	33.53	9.35	0.73	43.62	26.32	20.09	4.16	50.58						
26	Odisha	39.43	16.11	7.09	62.64	34.73	15.03	7.01	56.78	41.47	17.91	9.12	68.50						
27	West Bengal	90.23	48.55	35.07	173.84	82.14	43.44	32.70	158.28	78.88	46.06	38.88	163.82						
Average (East Zone)		89.38	34.04	17.48	140.90	77.00	30.26	17.82	125.07	79.62	36.12	21.41	137.15						
North East Zone																			
28	Assam	31.24	6.19	7.36	44.79	27.42	6.72	7.12	41.26	50.34	16.08	14.45	80.87						
29	Tripura	18.47	12.60	11.93	42.99	25.01	12.66	8.44	46.11	16.48	5.80	5.95	28.23						
30	Manipur	28.94	7.79	4.89	41.62	23.74	6.52	4.42	34.67	31.69	13.54	12.81	58.04						
31	Meghalaya	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
32	Nagaland	2.82	1.93	1.21	5.95	16.44	11.18	7.10	34.71	16.42	10.94	7.30	34.66						
33	Arunachal Pradesh	1.62	0.11	0.33	2.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
34	Mizoram	12.62	2.27	3.29	18.18	17.32	3.13	2.43	22.88	36.83	0.00	0.00	36.83						
35	Sikkim																		
Average (NEZ)		26.31	6.02	6.68	39.01	25.09	6.76	6.57	38.41	38.28	12.33	11.16	61.77						
All India (Average)		84.84	34.08	11.73	130.66	79.59	31.89	11.93	123.41	81.65	33.00	13.38	128.02						

Source: Department of Agriculture, Cooperation & Farmers Welfare

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

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

Continent/Country	(Kg./Hectare)							
	2015				2016			
	N	P ₂ O ₅	K ₂ O	Total	N	P ₂ O ₅	K ₂ O	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Africa								
Egypt	321.7	46.7	16.9	385.2	351.0	57.0	18.9	427.0
Morocco	7.4	7.2	1.2	15.9	6.2	4.9	1.2	12.3
South Africa	3.7	2.7	1.4	7.8	3.4	2.4	1.3	7.1
America								
North America								
Canada	40.5	16.4	6.0	62.8	38.7	15.5	6.7	60.9
USA	30.0	10.6	11.8	52.4	29.0	10.4	11.8	51.3
Latin America and the Caribbean								
Brazil	12.4	15.5	18.2	46.1	15.4	17.5	20.2	53.1
Chile	12.4	7.9	6.1	26.4	12.6	7.9	6.2	26.7
Mexico	12.9	3.3	2.5	18.7	14.8	3.6	2.6	21.0
Asia								
Bangladesh	137.2	70.5	49.7	257.4	131.5	68.2	51.0	250.7
China, Main	52.5	22.9	18.9	94.4	49.4	22.5	18.7	90.5
India	96.7	38.8	13.4	148.9	93.1	37.3	14.0	144.4
	(87.6)	(35.2)	(12.1)	(134.9)	(84.4)	(33.8)	(12.6)	(130.8)
Indonesia	49.7	25.3	28.7	103.7	52.5	25.8	28.1	106.3
Japan	79.9	76.8	69.0	225.6	85.1	76.0	69.3	230.4
Rep. of Korea	152.9	63.2	63.7	279.8	154.9	62.1	64.5	281.5
Malaysia	52.3	37.2	130.7	220.2	58.4	36.9	129.7	225.0
Nepal	25.9	7.2	0.7	33.9	3.6	0.2	-	3.8
Pakistan	73.8	27.8	0.6	102.2	101.2	34.4	1.1	136.8
Sri Lanka	88.4	25.3	38.6	152.3	55.0	11.5	18.8	85.2
Thailand	56.1	19.6	24.7	100.4	55.4	20.0	24.4	99.8
Turkey	38.6	15.2	3.4	57.2	49.5	20.7	3.1	73.2
Vietnam	141.1	68.4	43.3	252.8	120.0	61.3	48.5	229.9
Europe								
Belarus	55.1	15.7	61.1	132.0	52.0	14.9	47.9	114.8
Denmark	82.0	12.5	24.9	119.3	86.5	13.1	25.0	124.5
France	77.0	14.9	12.9	104.8	78.0	12.5	13.6	104.1
Germany	102.2	13.4	23.8	139.5	99.6	13.9	25.8	139.3
Netherlands	108.3	8.2	13.6	130.1	111.6	10.0	15.6	137.2
Poland	72.6	22.7	36.7	131.9	76.2	23.5	38.8	138.5
Russian Fedn.	8.3	3.0	1.7	13.0	9.3	3.4	1.6	14.3
Spain	37.1	14.6	14.0	65.7	38.8	16.4	14.8	70.1
UK	59.9	11.4	15.8	87.1	60.8	11.3	16.3	88.4
Ukraine	30.5	6.2	6.4	43.0	33.7	8.0	7.1	48.7
Oceania								
Australia	3.7	2.6	0.7	7.0	4.1	2.4	0.7	7.2
New Zealand	39.4	29.4	12.1	80.8	41.6	29.4	13.8	84.8
World	21.5	9.0	7.2	37.6	21.6	9.2	7.3	38.1

Source: Fertiliser Statistics - 2017-18, The Fertiliser Association of India, New Delhi.

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

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

3. Data for GCA pertain to 2014-15

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

Country	(Kg./Hectare)							
	2015				2016			
	N	P ₂ O ₅	K ₂ O	Total	N	P ₂ O ₅	K ₂ O	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Africa								
Egypt	321.7	46.7	16.9	385.2	351.0	57.0	18.9	427.0
Morocco	23.7	23.1	4.0	50.7	19.6	15.6	3.9	39.2
South Africa	27.6	20.4	10.2	58.2	25.2	18.2	9.7	53.2
North & Central America								
Canada	52.5	21.2	7.7	81.5	50.1	20.1	8.6	78.9
USA	78.5	27.8	30.9	137.2	76.1	27.3	30.9	134.4
South America								
Brazil	40.1	50.0	58.6	148.7	49.9	56.8	65.4	172.1
Chile	110.8	70.3	54.6	235.8	114.6	72.4	56.8	243.7
Mexico	53.5	13.7	10.2	77.4	62.6	15.3	10.8	88.7
Asia								
Bangladesh	146.9	75.4	53.2	275.5	140.7	73.0	54.6	268.2
China	205.4	89.7	74.1	369.2	193.2	87.9	73.0	354.1
India	102.5	41.2	14.2	157.9	98.8	39.6	14.8	153.1
	(87.6)	(35.2)	(12.1)	(134.9)	(84.4)	(33.8)	(12.6)	(130.8)
Indonesia	61.6	31.4	35.5	128.5	65.0	32.0	34.8	131.8
Japan	79.9	76.8	69.0	225.6	85.1	76.0	6.3	230.4
Rep. of Korea	158.1	65.4	65.8	289.3	160.2	64.2	66.7	291.2
Malaysia	54.1	38.5	135.2	227.7	60.4	38.1	134.1	232.7
Nepal	45.9	12.8	1.3	60.0	6.4	0.3	-	6.8
Pakistan	85.6	32.3	0.6	118.6	117.1	39.8	1.3	158.3
Sri Lanka	105.3	30.2	46.0	181.5	65.5	13.7	22.3	101.5
Thailand	58.2	20.3	25.7	104.2	57.5	20.7	25.3	103.6
Turkey	62.1	24.4	5.5	92.1	80.0	33.4	5.0	118.4
Vietnam	149.0	72.2	45.7	266.9	126.7	64.8	51.2	242.7
Europe								
Belarus	81.6	23.3	90.5	195.4	76.6	21.9	70.6	169.1
Denmark	90.8	13.8	27.6	132.3	94.7	14.3	27.3	136.4
France	113.6	22.0	19.0	154.7	115.8	18.6	20.2	154.5
Germany	141.9	18.7	33.0	193.6	138.6	19.3	36.0	193.9
Netherlands	185.8	14.0	23.3	223.2	188.0	16.9	26.3	231.1
Poland	92.5	28.9	46.7	168.1	97.9	30.2	49.7	177.8
Russian Fedn.	14.5	5.2	2.9	22.7	16.2	6.0	2.8	25.0
Spain	57.4	22.6	21.6	101.6	59.8	25.4	22.9	108.1
UK	169.3	32.3	44.6	246.2	173.7	32.3	46.4	252.4
Ukraine	37.6	7.6	7.8	53.0	41.6	9.8	8.7	60.1
Oceania								
Australia	29.0	20.7	5.3	55.1	32.6	19.2	5.5	57.3
New Zealand	634.3	473.0	194.9	1,302.2	687.0	485.9	228.1	1,400.9
World	65.6	27.5	22.0	115.2	66.3	28.1	22.4	116.8

Source: Fertiliser Statistics - 2017-18, The Fertiliser Association of India, New Delhi.

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

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

3. Data for GCA pertain to 2014-15

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

Particulars	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	(Quantity in Kgs.)
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
I. Paddy														
Quantity of Paddy required to Buy														
(a) 1 kg N	1.84	1.69	1.41	1.17	1.05	1.15	1.07	0.93	0.89	0.86	0.87	0.83	0.79	
(b) 1 kg of P205														
- as SSP	2.85	2.72	2.27	2.36	2.13	2.00	1.85	3.50	3.16	3.50	3.32	3.07	2.93	
	to	to	to	to			to							
	4.72	4.34	3.61				3.64							
- as DAP	2.85	2.62	2.18	1.80	1.62	1.71	1.75	3.81	3.39	3.45	3.45	2.94	2.81	
							to	to						
								1.89	3.67					
- as complex	3.08	2.83	2.36	1.80	1.62	2.02	NA							
	to	to	to	to		to								
	5.21	4.79	3.99			3.00								
(c) 1 kg of K20	1.30	1.20	1.00	0.83	0.74	0.84	0.93	2.27	2.04	2.02	1.89	1.25	1.29	
							to							
								1.86						

(Contd.)

Table 14.6(a) (Contd.)

Particulars	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
II. Wheat														
Quantity of Wheat required to Buy														
(a) 1 kg N	1.50	1.40	1.05	0.97	0.95	0.99	0.90	0.86	0.83	0.80	0.80	0.75	0.70	
(b) 1 kg of P ₂ O ₅														
- as SSP	2.32	2.25	1.69	1.97	1.93	1.71	1.56	3.24	2.96	3.28	3.07	2.78	2.62	
	to													
	3.84	3.58	2.69				3.06							
- as DAP	2.32	2.16	1.62	1.50	1.47	1.46	1.47	3.53	3.17	3.24	3.19	2.66	2.51	
								to						
									3.08					
- as complex	2.51	2.34	1.76	1.50	1.47	1.72	NA							
	to													
	4.25	3.96	2.97			2.56								
(c) 1 kg of K ₂ O	1.06	0.99	0.74	0.69	0.68	0.72	0.78	2.10	1.91	1.90	1.75	1.13	1.15	
								to						
												1.57		

Source: Fertiliser Statistics - 2017-18, The Fertiliser Association of India, New Delhi.

(Contd.)

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

(Status as on 30-06-2018)							
Sl.No.	States	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 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
2	Haryana *	788670	788670	788670	4227238	4227238	4227238
3	Chhattisgarh	703691	703691	703691	3890709	3890709	3890709
4	Odisha *	668635	668635	668635	2374233	2374233	2374233

Table 14.6(b) (Contd.)

Sl.No.	States	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)
Group - IV									
1	Kerala	127585	127585	127585	127585	763435	763435	763435	763435
2	Goa*	25000	25000	25000	25000	25000	25000	25000	25000
3	Uttarakhand	135738	135738	135738	135738	750494	750494	750494	750494
4	Himachal Pradesh	69635	69635	69635	69635	385011	385011	385011	385011
5	J & K*	160687	160687	160687	160687	692062	692062	692062	692062
6	Jharkhand	115302	115302	115302	115302	637507	637507	637507	637507
7	Arunachal Pradesh*	20532	20532	20532	20532	20532	20532	20532	20532
8	Assam*	278707	278707	278707	278707	1300901	1300901	1300901	1300901
9	Manipur	20713	20713	20713	20713	114522	114522	114522	114522
10	Meghalaya*	39372	39372	39372	39372	209561	209561	209561	209561
11	Mizoram	11986	11986	11986	11986	11986	11986	11986	11986
12	Nagaland	33423	33423	33423	33423	184797	184797	184797	184797
13	Sikkim*	13217	13217	13217	13217	46000	46000	46000	46000
14	Tripura*	32736	32736	32736	32736	117723	117723	117723	117723
Union Territories									
1	Andaman & Nicobar*	1405	1405	1405	1405	10000	10000	10000	10000
2	Dadra and Nagar Haveli*	2222	2222	2222	2222	2222	2222	2222	2222
3	Puducherry	3530	3530	3530	3530	19594	19594	19594	19594
Total		25349546	25349546	25349546	25349546	107389421	107389421	107389421	107389421

Source: Department of Agriculture, Cooperation & Farmers Welfare

* As per changed targets by States ** State that revised target twice

(Contd.)

Table 14.6 (c): State-wise Status of Soil Health Card Scheme- Cycle-II (2017 to 2018)

(Status as on as on 13.11.2018)						
Sl.No.	States	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)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Group - I						
1	Uttar Pradesh	4867442	4799725	3822417	23325456	13045920
2	Maharashtra	2851525	2851525	2355659	13698965	7178611
3	Madhya Pradesh	2315844	2107418	1800047	8872453	5620000
4	Rajasthan	2865039	2357000	1975000	7619498	5459000
Group - II						
1	Karnataka	1665766	1567191	1346814	7832189	4620351
2	Gujarat	1683000	1655130	943408	7897000	4372217
3	Andhra Pradesh	1357706	1357706	1246486	6967163	3695925
4	Bihar	1308778	1266473	587001	7236232	2135795
5	West Bengal	1300349	876000	542000	5100000	2102000
6	Tamil Nadu	1300037	1293925	979363	6974843	4504077
7	Telangana	960614	932515	624863	4976924	2164073
Group - III						
1	Punjab	835526	754553	422978	1052554	486675
2	Haryana	1245100	1175686	507627	4540969	949721
3	Chhattisgarh	949334	880890	759933	4746670	3814635
4	Odisha	668636	474231	395039	3343180	1026725

Table 14.6(c) (Contd.)

Sl.No.	States	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)		
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		
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 14.7(a): Crop-wise requirement and availability of Certified/ Quality Seeds

Year Crop Name	2015-16						2016-17						2017-18					
	Requirement		Availability		Requirement		Availability		Requirement		Availability		Requirement		Availability		Requirement	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	
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						
Urd	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	0.10	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						
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	0	0.00	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						

(Contd.)

Table 14.7(a) (Contd.)

Crop Name	Year	2015-16			2016-17			2017-18				
		Requirement		Availability Public Private	Total	Requirement		Availability Public Private	Total	Requirement		
		(1)	(2)		(3)	(4)	(5)		(6)	(7)	(8)	(9)
Indian bean		0.08	0.01	0.07	0.08	0.21	0.04	0.17	0.21	0.01	0.00	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	0.01	0.00	0.00	0.00
Guar						0.81	0.17	0.77	0.94	0.78	0.15	0.69
Other Local Pulses						0.00		0.00		0.00		0.85
Total		30.49	12.61	14.63	27.24	31.64	17.64	13.66	31.30	31.07	22.90	12.56
Castor		0.61	0.16	0.47	0.62	0.58	0.11	0.73	0.84	0.60	0.17	0.47
R/Mustard		2.52	1.19	1.46	2.65	2.49	1.24	1.23	2.47	2.32	1.08	1.47
Groundnut		24.3	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	0.01	0	0.01	0.01	0.02
Til		0.32	0.16	0.21	0.36	0.28	0.22	0.18	0.40	0.49	0.13	0.38
Linseed		0.08	0.01	0.03	0.04	0.13	0.07	0.04	0.11	0.08	0.01	0.04
Soybean		31.02	11.4	12.04	23.45	29.00	12.62	17.02	29.64	35.65	15.57	24.68
Sunflower		0.48	0.04	0.47	0.51	0.39	0.01	0.39	0.40	0.20	0.01	0.20
Safflower		0.1	0.02	0.09	0.11	0.12	0.02	0.11	0.13	0.11	0.01	0.11
Total		59.45	24.9	26.49	51.39	56.48	30.08	29.08	59.16	63.74	32.79	36.58
Cotton		1.95	0.22	1.86	2.08	2.22	0.13	2.22	2.35	3.17	0.07	3.40
Jute/Mesta		0.36	0.11	0.03	0.14	0.43	0.3	0.08	0.38	0.50	0.34	0.10
Total		2.31	0.33	1.89	2.22	2.65	0.43	2.30	2.73	3.66	0.40	3.50
Potato		28.64	6.91	19.19	26.1	36.53	7.26	19.82	27.09	38.22	11.02	18.86
Fodders		1.05	0.39	0.65	1.05	0.37	0.25	0.09	0.34	0.37	0.29	0.02
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 14.7(b): Crop-wise Distribution of Certified/ Quality Seeds

Crops	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
Cereals																	
Wheat	32.59	33.00	35.97	41.31	44.21	54.55	63.25	74.83	90.66	97.83	97.61	116.47	93.75	117.83	95.83	124.87	139.30
Paddy	25.58	25.79	26.51	30.98	32.41	43.51	48.93	58.18	60.95	69.34	74.41	72.14	72.45	66.84	74.61	84.57	82.72
Maize	2.75	3.42	3.38	4.13	4.64	5.74	5.80	7.94	7.74	8.94	9.35	9.07	11.20	11.72	17.71	12.90	11.01
Jowar	2.20	2.15	2.37	2.31	2.28	2.32	2.38	2.41	2.24	2.16	1.99	2.29	2.06	1.74	2.02	2.01	1.99
Bajra	1.80	1.79	1.76	1.76	2.17	2.16	1.90	2.20	1.74	2.31	2.27	2.14	2.20	1.94	3.58	2.20	1.82
Ragi	0.14	0.24	0.21	0.25	0.22	0.21	0.27	0.25	0.05	0.26	0.26	0.29	0.29	0.35	0.30	0.27	0.35
Barley	0.50	0.58	0.62	0.67	0.80	1.08	1.27	1.62	1.77	1.79	3.80	1.97	1.08	2.78	0.90	2.29	0.82
Sub-Total (Cereals)	65.56	66.97	70.82	81.41	86.73	109.87	123.80	147.43	165.15	182.62	189.69	204.37	183.03	203.20	194.95	229.11	238.00
Pulses																	
Gram	1.53	2.64	3.90	3.62	3.45	5.08	6.73	8.6	12.32	12.50	13.16	14.83	17.48	14.73	13.58	17.17	11.95
Lentil	0.29	0.26	0.35	0.52	0.45	0.54	0.56	0.59	0.55	0.74	0.66	0.70	1.28	1.19	0.98	1.38	0.98
Peas	0.31	0.37	0.60	0.61	0.82	0.93	1.10	1.29	2.07	1.47	1.36	1.79	3.17	2.03	1.73	1.89	1.68
Urad	0.97	1.43	1.32	1.01	0.92	0.8	1.40	1.37	1.61	1.96	2.31	2.33	1.64	1.84	2.23	2.69	3.16
Moong	0.83	0.81	1.21	0.76	0.77	0.23	1.34	1.23	1.29	1.76	2.00	2.13	1.95	2.00	1.83	2.30	2.13
Arihar	0.64	0.64	0.72	0.77	0.85	1.18	1.09	1.37	1.52	1.92	1.80	1.73	1.69	1.88	2.50	2.39	
Cowpea	0.05	0.33	0.05	0.08	0.11	0.09	0.10	0.16	0.20	0.33	0.32	0.45	0.24	0.25	0.18	0.20	0.17
Others	0.07	0.12	0.10	0.08	0.08	0.11	0.16	0.15	0.28	0.56	0.53	0.48	0.31	1.05	0.29	1.34	1.08
Sub-Total (Pulses)	4.69	6.60	8.17	7.40	7.37	9.63	12.57	14.48	19.69	20.83	22.26	24.51	27.80	24.77	22.71	29.47	23.54
Oilseeds																	
Groundnut	5.25	5.42	7.00	7.18	6.96	9.89	14.43	15.90	18.86	21.79	20.02	23.16	19.39	16.56	17.95	19.89	27.37
Rapeseed & Mustard	0.86	0.82	0.91	1.31	1.24	1.36	1.71	1.63	2.09	2.07	2.56	1.88	1.63	2.13	1.15	2.40	2.84

(Contd.)

Table 14.7(b) (Contd.)

Crops	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
Til	0.16	0.13	0.14	0.12	0.14	0.16	0.22	0.18	0.20	0.23	0.20	0.18	0.22	0.21	0.27	0.20	0.20
Sunflower	0.48	0.61	0.56	0.80	0.90	0.89	0.92	0.80	0.76	0.55	0.29	0.35	0.32	0.28	0.22	0.19	0.29
Soybean	4.99	6.88	10.20	13.36	14.29	14.05	16.52	20.89	28.44	25.55	37.60	32.08	38.94	23.34	27.19	26.46	25.95
Linsseed	0.02	0.01	0.01	0.01	0.01	0.02	0.02	0.01	0.01	0.04	0.02	0.02	0.05	0.04	0.04	0.05	0.04
Castorsed	0.26	0.37	0.39	0.41	0.50	0.36	0.42	0.42	0.29	0.31	0.67	0.68	0.51	0.55	0.58	0.62	0.51
Safflower	0.07	0.07	0.04	0.08	0.08	0.07	0.08	0.09	0.07	0.08	0.09	0.04	0.06	0.03	0.09	0.09	0.02
Others	0.01	0.04	0.14	0.15	0.23	0.20	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.04	0.01	0.01	0.00
Sub-Total (Oilseeds)	12.10	13.36	19.39	23.42	24.35	27.00	34.33	39.92	50.71	50.61	61.49	58.41	61.09	43.03	47.44	49.97	57.23
Fibres																	
Cotton	2.62	2.31	2.45	2.56	2.69	2.45	1.89	2.27	2.36	2.33	2.53	2.50	2.28	2.22	1.98	1.85	2.15
Jute	0.21	0.19	0.20	0.19	0.19	0.26	0.24	0.28	0.27	0.27	0.32	0.30	0.30	0.33	0.32	0.32	0.31
Mesta/ Others	0.06	0.24	0.13	0.01	0.01	0.34	0.50	0.03	0.02	0.04	0.24	0.15	0.29	1.31	0.19	0.00	0.00
Sub-Total (Fibres)	2.89	2.74	2.78	2.76	2.89	3.05	2.63	2.58	2.65	2.64	3.09	2.95	2.87	3.86	2.49	2.17	2.46
Other Miscellaneous																	
Potato	6.33	7.16	7.01	5.05	5.08	5.12	5.35	10.55	18.68	20.08	16.68	21.47	24.63	28.12	33.88	0.38	30.57
Others	0.23	0.21	0.23	0.22	0.33	0.34	0.37	0.85	0.23	0.55	1.64	1.73	1.97	0.14	2.57	0.33	0.20
Sub-Total (Other Mics.)	6.56	7.37	7.24	5.27	5.41	5.46	5.72	11.40	18.91	20.63	18.32	23.20	26.60	28.26	36.45	0.71	30.77
Grand Total	91.80	97.04	108.40	120.26	126.75	155.01	179.05	215.81	257.11	277.34	294.85	313.44	301.39	303.12	304.04	348.58	352.01

Source: Department of Agriculture, Cooperation & Farmers Welfare

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

S. No.	Crop	2012-13			2013-14			2014-15			2015-16			2016-17			2017-18		
		Req.	Av.	Req.	Av.	Req.	Av.	Req.	Av.										
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)						
1 Paddy	31.60	31.30	42.80	34.20	15.10	19.50	38.50	61.40	19.21	22.09	52.37	58.52							
2 Maize	97.00	103.40	94.00	96.60	93.50	106.90	101.60	120.50	100.20	125.29	113.44	129.63							
3 Jowar	13.20	13.90	7.90	10.20	15.60	19.00	17.70	20.00	13.25	19.57	16.53	18.22							
4 Bajra	24.00	27.10	23.60	33.20	21.00	24.80	24.10	26.60	19.64	24.98	25.93	28.81							
5 Arhar	0.00	0.01	0.00	0.00	0.09	0.09	0.10	0.00	0.00	0.00	0.00	0.36	0.46						
6 Sunflower	6.40	6.60	4.90	5.40	2.90	3.00	4.40	4.60	6.10	6.26	0.77	0.85							
7 Safflower	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.03						
8 Castor	4.00	4.30	3.40	4.30	7.10	8.40	6.00	6.10	4.91	5.78	5.23	5.49							
9 Cotton	22.40	25.40	15.90	17.90	17.90	21.70	18.70	19.80	18.36	19.73	19.87	22.27							
TOTAL	198.60	212.01	192.50	201.80	173.19	203.39	211.10	259.00	181.68	223.69	234.54	264.28							

Source: Department of Agriculture, Cooperation & Farmers Welfare
 Req.: Requirement Av: Availability

Table 14.8(a): Consumption of Electricity for Agricultural Purposes

Year	Consumption for Agricultural Purposes (GWh)	Total Consumption (GWh)	% Share of Agricultural Consumption to Total Consumption
(1)	(2)	(3)	(4)
1983-84	18234	102344	17.82
1984-85	20960	114068	18.38
1985-86	23422	122999	19.04
1986-87	29444	135952	21.66
1987-88	35267	145613	24.22
1988-89	38878	160196	24.27
1989-90	44056	175419	25.11
1990-91	50321	190357	26.44
1991-92	58557	207645	28.20
1992-93	63328	220674	28.70
1993-94	70699	238569	29.63
1994-95	79301	259630	30.54
1995-96	85732	277029	30.95
1996-97	84019	280206	29.98
1997-98	91242	296749	30.75
1998-99	97195	309734	31.38
1999-00	90934	312841	29.07
2000-01	84729	316600	26.76
2001-02	81673	322459	25.33
2002-03	84486	339598	24.88
2003-04	87089	360937	24.13
2004-05	88555	386134	22.93
2005-06	90292	411887	21.92
2006-07	99023	455748	21.73
2007-08	104182	501977	20.75
2008-09	107776	527564	20.43
2009-10	119492	569618	20.98
2010-11	126377	616969	20.48
2011-12	140960	672933	20.95
2012-13	147462	708843	20.80
2013-14	152744	751908	20.31
2014-15	168913	814250	20.74
2015-16	173185	863364	20.06
2016-17	191151	914093	20.91

Source : Central Electricity Authority, New Delhi

(Contd.)

Table 14.8(b) : State-wise Consumption of Electricity for Agriculture purpose

State/UTs	2015-16			2016-17		
	Agriculture (GWh)	Total Energy Sold (GWh)	% Share of Consumption of Agriculture	Agriculture (GWh)	Total Energy Sold (GWh)	% Share of Consumption of Agriculture
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Northern Region						
Chandigarh	1.83	1496.98	0.12	4.23	1589.02	0.27
Delhi	29.58	25658.17	0.12	28.88	26604.49	0.11
Haryana	9506.00	35092.26	27.09	9708.81	34500.61	28.14
Himachal Pradesh	51.65	7957.79	0.65	57.28	7973.79	0.72
Jammu & Kashmir	305.00	7143.92	4.27	313.00	7902.45	3.96
Punjab	11513.88	40843.00	28.19	12195.97	44050.22	27.69
Rajasthan	19968.35	50358.78	39.65	2361.21	51027.26	41.86
Uttar Pradesh	12671.19	70966.90	17.86	15638.04	81068.21	19.29
Uttarakhand	141.03	10298.14	1.37	141.71	11161.38	1.27
Sub-Total (NR)	54188.51	249815.94	21.69	59449.13	265877.93	22.36
Western Region						
Chhattisgarh	4025.24	18886.90	21.31	4290.38	19159.47	22.39
Gujarat	11204.49	77027.77	14.55	16758.62	85555.79	19.59
Madhya Pradesh	18868.19	46384.45	40.68	17331.65	45681.37	37.94
Maharashtra	28396.58	115355.69	24.62	28201.84	121050.81	23.30

Table 14.8(b) (Contd.)

State/UTs	2015-16			2016-17		
	Agriculture (GWh)	Total Energy Sold (GWh)	% Share of Consumption of Agriculture	Agriculture (GWh)	Total Energy Sold (GWh)	% Share of Consumption of Agriculture
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Daman & Diu	2.46	1691.98	0.15	2.72	1737.09	0.16
D & N Haveli	8.63	5548.24	0.16	6.20	5737.00	0.11
Goa	18.00	3391.20	0.53	29.94	3475.37	0.86
Sub-Total (WR)	62523.59	268286.23	23.30	66621.35	282396.90	23.59
Southern Region						
Andhra Pradesh	10970.00	44352.74	24.73	13296.61	47761.45	27.84
Telangana	11991.48	41288.97	29.04	15676.32	44446.48	35.27
Karnataka	19318.48	57223.18	33.76	21625.35	58152.32	37.19
Kerala	288.16	19828.92	1.45	331.56	20218.40	1.64
Tamil Nadu	11548.33	80083.19	14.42	11733.40	83936.07	13.98
Puducherry	54.70	2468.14	2.22	59.17	2556.19	2.31
Lakshadweep	0.00	45.60	0.00	0.00	47.59	0.00
Sub-Total (SR)	54171.15	245290.74	22.08	62722.41	257118.50	24.39
Eastern Region						
Bihar(Projected)	344.33	13249.63	2.60	409.28	17250.69	2.37
Jharkhand (estimated)	97.98	17541.57	0.56	110.39	19548.79	0.56
Odisha	265.83	16053.22	1.66	327.04	16987.96	1.93
West Bengal	1524.26	42496.61	3.59	1433.61	43945.80	3.26

(Contd.)

Table 14.8(b) (Contd.)

State/UTs	2015-16			2016-17		
	Agriculture (GWh)	Total Energy Sold (GWh)	% Share of Consumption of Agriculture	Agriculture (GWh)	Total Energy Sold (GWh)	% Share of Consumption of Agriculture
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Sikkim	0.00	354.46	0.00	0.00	436.57	0.00
A & N Islands	0.00	242.27	0.00	0.00	265.83	0.00
Sub-Total (ER)	2232.40	89937.75	2.48	2280.32	98435.64	2.32
North Eastern Region						
Arunachal Pradesh	0.00	375.17	0.00	0.04	370.82	0.01
Assam	34.00	6199.00	0.55	36.00	6525.00	0.55
Manipur	1.79	474.98	0.38	0.96	511.92	0.19
Meghalaya	0.00	1283.18	0.00	0.10	972.38	0.01
Mizoram	0.02	338.50	0.01	0.00	353.54	0.00
Nagaland	0.00	549.47	0.00	0.02	634.83	0.00
Tripura	33.91	813.06	4.17	40.55	895.27	4.53
Sub-Total (NER)	69.72	100333.36	0.69	77.67	10263.76	0.76
Total(All India)	173185.37	863364.02	20.06	191150.89	914092.73	20.91

Source: Central Electricity Authority, New Delhi
GWh: Giga Watt-hour

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

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

Source: Department of Agriculture, Cooperation & Farmers Welfare

P: Provisional * Updated Figures

Data submitted by banks on ENSURE portal of NABARD

ST: Short-Term MT: Medium Term

Table 14.9 (b): State-wise Agricultural Loan disbursed in 2017-18

Sl. No	State	Crop Loan			Term Loan			(Amount in ₹ Lakh)
		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	87330	1130172.98	
5	Punjab	2678028	5298693.13	441836	2021457.83	3116864	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	104512	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	
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	82595	378093.39	

(Contd.)

Table 14.9(b) (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)	
19	Odisha	4222317	1565007.16	845347	712714.29	5067664	2277721.45	
20	West Bengal	2520520	1484862.62	2667876	2607160.59	518396	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	1287871	11342747.74	
31	Telangana	4389628	4495791.77	503771	1394959.64	4893399	5890751.41	
32	Karnataka	5046831	4415231.04	2311308	3523145.98	7355139	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	116850233.71	

Source: Directorate of Economics & Statistics, DAC&FW

Table 14.10: State-wise and Agency-wise KCCs - Cumulative cards Issued and Amount Outstanding as on 31 March 2018 (Provisional)

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	0.00	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	1274.9	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		

(Contd.)

Table 14.10 (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	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)	(2)	(3)	(4)	(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	0.240					
20	Madhya Pradesh	38.88	35689.54	85.53	16231.35	11.72	6619.35	136.13	58540.24					
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 14.11(a): State-wise National Agricultural Insurance Scheme (NAIS)-Cumulative upto Rabi 2015-16

(₹ in lakh)										
S.No.	State / UTs	No of Farmers covered	Area Insured (in Ha)	Sum Insured	Farmers' Premium	State Govt. Premium (Share)	Gst Premium (Share)	Gross Premium	Claims Reported	Claims Paid
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1	Andhra Pradesh	30648640	46467871	6576696	172126.36	8311.48	188749.32	507714.41	504564.34	7030691
2	Assam	422654	309427	90822	2269.20	130.77	2530.74	1693.36	1693.35	66123
3	Bihar	10707824	11710269	2829879	57771.32	2566.75	62904.82	406422.77	345926.89	4439281
4	Chhattisgarh	11802512	23539517	1504999	35314.54	1955.61	906.27	38176.43	109830.63	109830.63
5	Goa	8211	13440	318	4.31	0.73	0.60	5.65	2.36	702
6	Gujarat	15496182	35194683	4931871	179895.79	15697.38	7080.19	202673.36	880389.98	880389.99
7	Haryana	635778	769038	83496	2345.73	34.13	34.13	2413.98	4336.39	4336.40
8	Himachal Pradesh	372427	292222	78533	900.42	668.81	87.87	1657.10	225.03	2252.03
9	Jharkhand	6931179	4247333	459685	10461.03	353.70	353.70	11168.42	75038.95	73719.33
10	Karnataka	14359973	22589874	2013980	54238.73	1861.45	1812.38	57912.56	282810.58	282810.58
11	Kerala	461282	414761	87166	1629.98	125.80	125.80	1881.59	3062.82	3062.82
12	Madhya Pradesh	43800967	103200640	10011469	260721.09	3598.23	3598.23	267917.55	1027533.17	1026262.67
13	Maharashtra	51771827	40870934	3972297	127454.43	33428.33	8589.86	169472.62	983894.15	983894.16
14	Manipur	35645	57472	14812	348.42	10.16	10.16	368.73	1226.20	1226.20

(Contd.)

Table 14.11(a) (Contd.)

S.No.	State / UTs	No. of Farmers covered	Area Insured (In Ha.)	Sum Insured	Farmers' Premium	State Govt. Premium (Share)	Goi Premium (Share)	Gross Premium	Claims Reported	Claims Paid	No. of Farmers Benefited
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
15	Meghalaya	36357	36343	7473	277.09	21.32	319.72	68.46	68.46	68.46	3600
16	Mizoram	121	134	23	0.53	0.03	0.58	11.23	11.23	11.23	119
17	Odisha	19975543	19460413	3623795	81722.19	4494.70	90711.59	387731.54	387731.54	387731.54	4408909
18	Rajasthan	15058674	31379980	1620309	45016.74	368.81	45754.35	262165.99	262165.99	262165.99	5200566
19	Sikkim	2062	1445	352	6.78	0.47	0.47	7.72	7.72	7.72	86
20	Tamil Nadu	8308820	10560218	2584558	33920.55	31077.06	2291.01	67288.62	350674.79	350674.79	3260202
21	Telangana	1335400	1580373	679160	17820.53	794.28	794.28	19409.09	34477.18	4773.78	539401
22	Tripura	21248	14086	3302	80.68	4.86	4.86	90.39	58.55	58.31	3450
23	Uttar Pradesh	23426012	31070386	3353782	63262.82	2609.59	2609.59	68482.01	116937.52	116937.52	4517617
24	Uttarakhand	399156	372509	87098	1799.49	89.32	89.32	1978.13	4188.31	4188.31	119370
25	West Bengal	15115452	7428042	2109729	50201.05	53334.50	5776.08	109311.63	172568.34	171225.92	3594384
26	A & N Islands	4773	7148	2300	3.25	45.00	15.48	63.73	116.41	115.22	1102
27	Puducherry	43258	59993	11670	137.23	72.97	17.89	228.10	316.95	313.75	7269
28	Jammu & Kashmir	49065	68995	10902	197.86	7.97	7.97	213.80	126.42	126.42	4492
Total		271231042.00	391171546.64	46750475.99	1199228.15	161664.21	50099.99	1411692.35	5615650.79	5518323.18	84930806.00

Source: Department of Agriculture, Cooperation & Farmers Welfare

(Contd.)

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

S.No.	State / UTs	No. of Farmers covered	Area Insured (In Ha.)	Sum Insured	Farmers' Premium	State Govt. Premium (Share)	Govt Premium (Share)	Gross Premium	Claims Reported	Claims Paid	No. of Farmers Benefited
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
1	Rabi 1999-00	579940	780569	35641	376.78	82.85	542.48	769.26	769.26	769.26	55288
2	Kharif 2000	8409374	13219829	690338	15933.68	2369.94	20673.55	122248.15	122248.15	122248.15	3635252
3	Rabi 2000-01	2091733	3111423	160268	1955.23	411.77	2778.76	5948.63	5948.63	5948.63	526697
	Total 2000-01	10501107	16331252	850607	17888.91	2781.70	2781.70	23452.31	128196.78	128196.78	4161949
4	Kharif 2001	8696587	12887710	750246	21399.68	2381.07	2381.07	26161.82	49363.57	49363.57	1741906
5	Rabi 2001-02	1955431	3145873	149751	2237.00	388.90	388.90	3014.79	6465.80	6465.80	453325
	Total 2001-02	10652018	16033583	899997	23636.68	2769.97	2769.97	29176.61	55829.37	55829.37	2195231
6	Kharif 2002	9768711	15532349	943169	28060.29	2243.19	2243.19	32546.68	182439.20	182439.20	4297155
7	Rabi 2002-03	2326811	4037824	183755	3177.63	336.41	336.41	3856.44	18854.84	18854.84	926408
	Total 2002-03	12095522	19570173	1126924	31237.92	2579.60	2579.60	36397.12	201294.04	201294.04	5223563
8	Kharif 2003	7970830	12355514	811413	25888.61	1222.29	1222.29	28333.19	65268.61	65268.61	1712271
9	Rabi 2003-04	4421287	6468663	304949	5781.70	312.09	312.09	6405.87	49710.37	49710.37	2098125
	Total 2003-04	12392117	18824177	1116362	31670.31	1534.38	1534.38	34739.06	114978.98	114978.98	3810396
10	Kharif 2004	12687104	24273394	1317062	43885.06	1004.61	1004.61	45894.28	103832.95	103832.95	2674746
11	Rabi 2004-05	3531045	5343244	377421	7172.91	206.18	206.18	7585.28	16058.60	16058.60	772779
	Total 2004-05	16218149	29616638	1694482	51057.97	1210.79	1210.79	53449.55	119891.55	119891.55	3447525
12	Kharif 2005	12673833	20531038	1351910	42951.40	1021.77	1021.77	44994.94	108644.91	108644.91	2687605

Table 14.11(b) (Contd.)

S.No.	State / UTs	No. of Farmers covered	Area Insured (In Ha)	Sum Insured	Farmers' Premium	State Govt. Premium (Share)	Goi Premium (Share)	Gross Premium	Claims Reported	Claims Paid	No. of Farmers Benefited
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
13	Rabi 2005-06	4048524	7218417	507166	9959.28	261.56	10482.40	33830.20	33830.20	980748	
	Total 2005-06	16722357	27749455	1859076	52910.68	1283.33	55477.34	142475.11	142475.11	366853	
14	Kharif 2006	12934060	19672280	1475936	44074.09	1592.60	1062.46	46729.14	177621.89	177621.89	3131511
15	Rabi 2006-07	4977980	7632882	654221	13149.85	769.47	368.27	14287.60	51597.41	51597.41	1391554
	Total 2006-07	17912040	27305162	2130158	57223.94	2362.07	1430.73	61016.74	229219.30	229219.31	4523065
16	Kharif 2007	13398822	20754747	1700796	49766.23	1429.31	1236.74	52432.28	91535.70	91535.69	1591863
17	Rabi 2007-08	5044016	7387156	746664	14071.44	1345.25	454.31	15871.00	81017.92	81017.92	1578668
	Total 2007-08	18442838	28141903	2447461	63837.67	2774.56	1691.05	68303.28	172553.61	172553.61	3170531
18	Kharif 2008	12992272	17636187	1566607	47822.23	2192.86	1179.27	51194.35	237780.25	237780.26	4218975
19	Rabi 2008-09	6210648	8857836	1114871	22332.07	6296.27	943.74	29572.08	150981.81	150981.81	1979705
	Total 2008-09	19202920	26494023	2681478	70154.30	8489.13	2123.01	80766.44	388762.06	388762.07	6198680
20	Kharif 2009	18253072	25769817	2761671	80572.32	3589.15	2123.41	86284.89	453770.56	453770.57	7970974
21	Rabi 2009-10	5681148	7899761	1100750	21674.65	6524.54	971.28	29170.48	58039.75	58039.73	1040659
	Total 2009-10	23934220	33669578	3862421	102246.98	10113.70	3094.70	115455.37	511810.31	511810.30	9011633
22	Kharif 2010	12682242	17108888	2371090	67637.11	2612.50	1928.94	72178.55	164177.75	164177.75	2253293
23	Rabi 2010-11	4967878	6938628	1101056	20398.73	8405.33	1012.67	29816.72	65793.65	65793.65	1138466
	Total 2010-11	17650120	24047517	3472145	88035.84	11017.82	2941.61	101995.27	229971.39	229971.39	3391759
24	Kharif 2011	11554561	15776489	2348711	66203.64	3347.24	1884.02	71434.91	166561.95	166561.95	1844744

(Contd.)

Table 14.11(b) (Contd.)

S.No.	State / UTs	No. of Farmers covered	Area Insured (In Ha)	Sum Insured	Farmers' Premium	State Govt. Premium (Share)	Goi Premium (Share)	Gross Premium	Claims Reported	Claims Paid	No. of Farmers Benefited
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
25	Rabi 2011-12	5239299	7609278	1128394	19447.73	5669.68	650.40	25767.81	54337.32	54254.61	1287237
	Total 2011-12	16793860	2338766	3477104	85651.37	9016.93	2534.43	97202.72	220899.27	220816.55	3131981
26	Kharif 2012	10649354	15693701	2719906	76983.25	8824.39	2066.54	87874.18	27869.98	278684.16	1912523
27	Rabi 2012-13	6141726	8691157	1571009	27181.82	16621.71	957.04	44760.57	210833.53	209579.92	2555305
	Total 2012-13	16791080	24384857	4290915	104165.08	25446.10	3023.58	132634.76	489533.51	488264.08	4467928
28	Kharif 2013	9746431	14231634	2900469	82132.15	13389.92	2249.48	97771.55	327154.78	326235.62	2812433
29	Rabi 2013-14	3973611	6476265	1254945	20389.01	8647.16	711.57	29747.73	105206.80	104748.00	996191
	Total 2013-14	13720042	20707899	4155415	102521.17	22037.08	2961.04	127519.28	432361.59	430983.62	3808624
30	Kharif 2014	9728678	11589544	2450085	78728.47	4038.19	1987.47	84754.13	29520.17	295057.69	4370982
31	Rabi 2014-15	7009527	9180141	2137997	36702.88	16446.91	1906.14	55055.93	133374.14	130980.03	2040638
	Total 2014-15	16738205	20769685	4588982	115431.35	20485.10	3893.62	139810.07	428574.30	426037.72	6411620
32	Kharif 2015	20697680	22028058	5261509	152398.19	17739.45	11735.28	181872.93	1517430.33	1464470.52	13327217
33	Rabi 2015-16	10210205	11877252	2800700	49483.02	19939.67	2428.34	71851.02	231100.01	191998.93	4325553
	Total 2015-16	30907885	33905309	8062209	201881.21	37679.12	14163.62	253723.95	1748530.34	1656469.45	18252780
	Kharif Seasons Total	192843611	279061177.35	31420918.19	924436.41	68998.49	37696.48	1031131.38	4341730.75	428763.48	60783450
	Rabi Seasons Total	78410809	1126536929	15329557.81	275491.74	92665.72	12403.51	380560.97	123920.03	1230629.70	24147356
	Grand Total	271254420	391717546.64	46750475.99	1199928.15	161664.21	50099.99	1411692.35	5615650.79	5518323.18	84930806

Source: Department of Agriculture, Cooperation & Farmers Welfare

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

S. No.	State / UT	Farmers Insured (no.)	Area Insured (ha.)	Sum Insured	Farmers' Premium	GOI Premium (share)	State Govt Premium (share)	Gross Premium	Claims Payable	Claims Paid	Farmers Benefitted (no.)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
1	Andhra Pradesh	3617986	5903512.88	1512791.19	61899.94	44573.21	151046.36	10800.57	107706.03	2387860	2387860
2	Assam	67634	38963.86	23621.41	1195.53	597.32	597.32	2390.17	1894.13	734.23	46988
3	Bihar	12885954	13114092.98	3043374.59	86904.17	89458.40	89458.40	265820.97	199984.36	149711.42	10712377
4	Chhattisgarh	1287074	2246719.39	443314.00	18905.01	11149.55	12093.90	42148.47	31947.25	31947.25	843828
5	Gujarat	497661	413126.40	22394.75	251.80	839.80	1147.88	2239.48	857.35	857.35	170576
6	Haryana	359565	602022.74	190262.00	3695.45	5600.39	7472.66	16768.49	6565.88	6528.72	250674
7	Himachal Pradesh	390329	111872.23	141568.18	7785.44	3753.33	3753.33	15292.10	12262.84	10620.92	275904
8	Jharkhand	585356	561878.72	120853.09	4163.24	3248.90	3248.90	10661.03	7750.77	7625.44	526610
9	Jammu & Kashmir	1364	809.23	461.26	23.06	11.53	11.53	46.13	54.18	23.93	1364
10	Karnataka	985183	1219977.56	234493.18	11518.49	7533.72	7533.72	26585.94	18726.93	18642.98	793104
11	Kerala	162894	119924.51	36981.50	1255.63	1013.54	1347.45	3616.63	3318.56	3275.92	128575
12	Madhya Pradesh	1381299	1919796.56	509160.53	18028.63	16041.97	16041.97	50112.58	31786.99	31781.10	1153122
13	Maharashtra	2908194	2932529.39	783270.23	37825.53	26241.12	31184.98	95251.64	111350.99	111110.91	2546866
14	Odisha	315755	456542.27	65780.84	1414.07	2121.10	2121.10	5656.27	3210.36	3210.36	215814
15	Punjab	67	338.20	47.58	1.20	1.80	1.80	4.79	0.67	0.67	50
16	Rajasthan	44835969	57994738.38	4797821.95	168352.03	154340.74	154340.74	477033.50	419552.15	409795.67	29405090
17	Tamil Nadu	133157	179235.54	84705.82	1152.19	1051.40	1051.40	3254.99	2501.27	2333.74	73237
18	Telangana	166656	174237.68	53089.15	2630.23	1315.12	1315.12	5260.47	1247.02	12261.26	157734
19	Uttar Pradesh	1543617	1318113.64	265304.16	12053.71	16714.42	16714.42	45482.54	54405.55	54247.32	1394020
20	Uttarakhand	177887	154516.70	63102.43	3245.01	1478.17	1478.17	6201.36	9198.60	9192.77	116083
21	West Bengal	123335	118035.70	21088.09	642.91	684.29	2011.50	1738.04	1388.08	1388.08	75925
TOTAL		72426936	89580984.55	12413485.91	442943.28	387769.82	396172.29	1226885.39	1037583.50	97296.07	51275501

Source: Department of Agriculture, Cooperation & Farmers Welfare

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

S. No.	State / UT	Farmers Insured (no.)	Area Insured (ha.)	Sum Insured	Farmers' Premium	GOI Premium (share)	State Govt Premium (share)	Gross Premium	Claims Payable	Claims Paid	Farmers Benefitted (no.)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
1	Kharif 2007	43790	50074.12	5301.00	141.75	280.66	280.66	703.08	524.12	524.12	35275
2	Rabi 2007-08	634635	1018253.59	173890.24	4377.24	4877.42	4877.42	14132.08	10039.94	10039.94	190610
	Total 2007-08	678425	1068327.71	179191.24	4518.99	5158.08	5158.08	14835.15	10564.05	10564.05	225885
3	Kharif 2008	183481	221202.06	35110.24	961.11	1315.04	1346.36	3616.29	1605.24	1605.24	108975
4	Rabi 2008-09	191647	260907.89	53632.68	1122.52	1715.16	1715.16	4552.84	3342.32	3342.32	120804
	Total 2008-09	375128	482109.95	88742.93	2083.63	3030.20	3055.52	8169.13	4947.56	4947.56	229779
5	Kharif 2009	1161340	1530782.47	264531.08	6285.34	7315.23	7837.44	21437.76	15789.29	15789.29	902866
6	Rabi 2009-10	1201525	1891091.45	285798.85	5651.63	8950.52	8950.52	23552.67	18719.47	18652.63	600336
	Total 2009-10	2362865	3421873.92	550329.94	11936.97	16265.75	16787.96	44990.43	34508.76	34441.92	1503202
7	Kharif 2010	4916784	7393241.52	567689.57	16823.54	19698.36	23028.55	59550.45	19193.90	19185.75	1790436
8	Rabi 2010-11	4383504	5745537.01	863379.31	17619.68	25883.20	25883.20	69386.07	44264.34	44239.70	2526629
	Total 2010-11	9300288	13138778.53	1431068.88	34443.22	45581.56	48911.74	128936.53	63458.23	63425.45	4317065
9	Kharif 2011	6906021	9786317.49	1035161.57	33167.45	34902.78	34902.78	102973.00	42587.75	42507.77	3597821
10	Rabi 2011-12	4765376	5847307.18	985781.55	20835.31	29671.58	30951.41	81458.32	75113.67	66635.56	2732017
	Total 2011-12	11671397	15633624.67	2020943.12	54002.76	64574.35	65854.19	184431.32	117701.41	109143.33	6329838

(Contd.)

Table 14.12(b) (Contd.)

S. No.	State / UT	Farmers Insured (no.)	Area Insured (ha.)	Sum Insured	Farmers' Premium	GOI Premium (share)	State Govt Premium (share)	Gross Premium	Claims Payable	Claims Paid	Farmers Benefited (no.)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
11	Kharif 2012	8008149	11124699.96	1287053.19	407984.7	44337.81	44337.81	129474.13	87630.53	86927.72	6752196
12	Rabi 2012-13	5591502	5987496.31	1065546.46	25411.47	33445.98	33445.98	92303.42	104382.42	70626.77	4052901
	Total 2012-13	13599651	1711219628	2352599.66	66209.94	77783.79	77783.79	221777.55	192062.95	157554.49	10805097
13	Kharif 2013	8854152	11172439.58	1462396.68	45913.69	50559.46	50559.46	147032.60	119863.67	119828.38	6870870
14	Rabi 2013-14	5302444	5340632.90	1090191.89	51251.62	19091.03	22002.05	92344.68	81831.77	75228.98	3850694
	Total 2013-14	14156596	16513072.48	2552588.57	97165.30	69650.50	72561.51	239377.28	201655.45	195057.37	10721564
15	Kharif 2014	8172254	9637379.89	1325690.14	69577.15	43459.50	43555.22	156591.88	123796.06	121502.05	6725448
16	Rabi 2014-15	3079590	3138083.79	438617.09	24305.12	15636.69	15702.39	55644.19	80499.26	80093.23	2898919
	Total 2014-15	11251844	12775463.67	1764307.22	93882.26	59096.19	59257.61	212236.07	204295.32	201595.28	9624367
17	Kharif 2015	5399549	6294554.64	852198.07	44870.03	26852.36	26934.38	98657.14	132039.59	131411.14	4839539
18	Rabi 2015-16	3631193	3140982.70	621516.28	33830.17	19777.04	19867.51	73474.72	76310.18	64855.49	2679465
	Total 2015-16	9030742	9435537.34	1473714.35	78700.20	4662940	46801.89	172131.86	208349.77	196266.62	7519004
	GRAND TOTAL	72426936	89580984.55	12413485.91	442943.28	387769.82	396172.29	1226885.31	1037583.50	972996.07	51275801

Source: Department of Agriculture, Cooperation & Farmers Welfare

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

S. No.	State / UT	Farmers Insured (no.)	Area Insured (ha.)	Sum Insured	Farmers' Premium	GOI Premium (share)	State Govt Premium (share)	Gross Premium	Claims Payable	Claims Paid	Farmers Benefitted (no.)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
1	Andhra Pradesh	1800286	1881257	813756	34202	21502	77206	85831	84790	638753	
2	Andaman & Nicobar	783	1230	460	0	3	13	16	6	6	184
3	Assam	19929	15685	6505	154	47	249	102	70	70	1837
4	Bihar	1382947	1570615	262832	15447	18899	53226	21408	17704	322279	
5	Chhattisgarh	18	32	5	0	0	0	0	0	0	0
6	Goa	296	291	78	2	0	0	2	14	14	82
7	Gujarat	17084	591	261	11	9	9	28	0	0	0
8	Haryana	262887	446690	184769	3816	1188	1188	6193	5042	5021	46374
9	Jharkhand	117511	118016	26671	1176	718	718	2612	407	404	8951
10	Karnataka	1566251	2265604	371678	16548	11428	11430	39403	24786	24685	457984
11	Kerala	47416	64041	23894	512	284	411	1207	567	567	4287
12	Madhya Pradesh	218380	359048	51089	1230	380	380	1991	873	873	12717
13	Maharashtra	51964	49621	7621	382	457	523	1362	0	0	0
14	Mizoram	512	488	99	3	2	2	6	9	9	512
15	Orissa	425024	280280	103217	2185	647	647	3479	24799	24798	204831
16	Rajasthan	12620454	13719001	1063428	47976	34329	116634	155508	133453	133453	4691652
17	Tamil Nadu	476483	522840	134936	5709	4166	4166	14041	26798	26678	244024
18	Telengana	923143	1257656	535810	12115	3012	3012	18139	9999	9996	143041
18	Tripura	0	0	0	0	0	0	0	0	0	0
19	Uttar Pradesh	5570562	6061478	2052878	54887	27435	110546	199789	198982	198982	2677774
20	Uttarakhand	217704	1836779	66147	1140	156	1450	1733	1731	1731	42251
21	West Bengal	1943351	961459	501798	15353	12887	18335	46574	28935	26664	428482
Total	27662785	29759601	6207932	212849	137538	143190	494364	586606	556447	9926015	

Source: Department of Agriculture, Cooperation & Farmers Welfare

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

S. No.	State / UT	Farmers Insured (no.)	Area Insured (ha.)	Sum Insured	Farmers' Premium	GOI Premium (share)	State Govt Premium (share)	Gross Premium	Claims Payable	Claims Paid	Farmers Benefited (no.)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
1	Rabi 2010-11	358421	323734	69364	2376	1176	1180	4732	1615	1615	46879
	Total 2010-11	358421	323734	69364	2376	1176	1180	4732	1615	1615	46879
2	Kharif 2011	474809	665654	134588	5011	3552	3614	12177	9610	9610	100201
3	Rabi 2011-12	754999	707381	201012	6783	4505	5234	16521	8444	8341	122899
	Total 2011-12	1229808	1373035	335600	11794	8057	8847	28658	18054	17951	223100
4	Kharif 2012	2062484	2239315	489697	22034	17199	17199	56432	62412	62376	657900
5	Rabi 2012-13	949009	741753	207715	7501	5218	6212	18930	5369	5344	113298
	Total 2012-13	3011493	2981068	697413	29534	22417	23411	75362	67781	67720	771198
6	Kharif 2013	2361352	2274659	582621	25508	19246	19246	64000	89138	85365	970816
7	Rabi 2013-14	2997404	3233671	640752	20826	10774	11848	43448	50444	53824	811168
	Total 2013-14	5358756	5528329	1223373	46335	30019	31094	107448	143182	139189	1781984
8	Kharif 2014	5890024	6960640	943747	34113	27925	30586	92623	63230	60955	1644824
9	Rabi 2014-15	3198533	3547534	907093	27290	11304	11341	49936	88800	87797	1412851
	Total 2014-15	9088557	10508174	1850840	61403	39229	41927	142559	152030	148752	3057675
10	Kharif 2015	4812042	5530036	826434	33616	23535	23565	81175	112798	112716	2422630
11	Rabi 2015-16	3803708	3515224	1204907	27792	13104	13166	54391	91147	88503	1622549
	Total 2015-16	8615750	9045260	2031341	61408	36639	36731	135565	203944	181219	4045179
	GRAND TOTAL	27662785	29759601	6207932	212849	137538	143190	494364	586606	556447	9926015

Source: Department of Agriculture, Cooperation & Farmers Welfare

Table 14.14: Coconut Palm Insurance Scheme (CPIS)-cumulative (from 2009-10 to 2017-18)

State	No. of farmers	No. of Palms	Sum Insured	Premium			Claims Paid Total	Farmers benefitted (10)
				Farmer	State	CDB		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Andhra Pradesh	1217	90122	1883.41	5.01	4.98	9.99	19.98	0.04
Goa	240	59643	692.50	0.91	0.91	1.83	3.66	1.63
Karnataka	704	96422	1067.64	1.83	1.52	3.05	6.40	3.61
Kerala	52583	2101047	22769.36	30.23	30.23	60.45	120.91	336.71
Maharashtra	14684	1069477	12844.84	22.64	22.64	45.29	90.58	34.33
Odisha	799	25310	418.35	0.81	0.81	1.62	3.24	0.16
Tamil Nadu	53540	2271044	10632.18	19.81	19.81	39.74	79.35	62.95
West Bengal	692	28558	328.42	0.82	0.00	0.82	1.64	0.00
Total	124459	5741523	50636.70	82.07	80.91	162.78	325.76	439.44
								8714

Source: Department of Agriculture, Cooperation & Farmers Welfare

CDB: Coconut Development Board

Table 14.15 (a): State-wise Progress under Pradhan Mantri Fasal Bima Yojana (PMFBY) - Cumulative upto Rabi 2017-18

S.No.	State / UTs	No. of Farmers covered	Area Insured (In Ha.)	Sum Insured	Farmers' Premium	Govt Premium (Share)	State Govt. Premium (Share)	Gross Premium	Claims Reported	Claims Paid	No. of Farmers Benefited
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
1	Andhra Pradesh	2070909	1762127.38	120405023	28176.42	44286.31	44286.31	116749.04	64409.75	53653.39	222395.00
2	Andaman & Nicobar Islands	688	501.58	94.23	0.94	1.59	2.06	4.59	14.56	14.56	295.00
3	Arunachal Pradesh										
4	Assam	65808	47539.60	29477.68	623.42	400.49	400.49	1424.41	91.78	67.78	1541.00
5	Bihar	4708756	4330124.13	2069805.77	36130.29	92101.51	92101.51	220333.31	75017.62	71777.62	330328.00
6	Chhattisgarh	3006604	4633625.97	1406163.71	27144.06	20195.04	20195.04	67534.14	152876.32	152752.20	779051.00
7	Dadra & Nagar Haveli										
8	Daman & Diu										
9	Goa	143	88.05	63.83	1.27	0.09	0.09	1.45	0.23	0.23	4.00
10	Gujarat	3367246	5178233.98	2215890.08	55253.89	216379.06	229991.49	501624.44	213771.03	213596.10	1028270.00
11	Haryana	2689605	4016730.35	2403107.89	40500.81	16208.24	24974.29	81683.35	115983.86	114910.29	518205.00
12	Himachal Pradesh	491405	163072.71	61865.22	924.54	959.17	959.17	2842.88	1716.59	1716.59	86436.00
13	Jammu & Kashmir	152143	152566.49	48530.90	899.94	1599.32	1599.32	4098.58	991.00	991.00	26231.00
14	Jharkhand	2077676	675615.10	351873.76	6840.96	21036.58	21036.57	48914.11	7277.69	7051.86	184537.00
15	Karnataka	4212496	4346912.98	1752076.74	42346.00	132194.25	132194.25	306734.50	245884.86	239730.75	2167970.55
16	Kerala	34110	30025.05	28337.10	572.25	321.98	321.98	1216.21	732.16	729.66	5310.00
17	Lakshadweep										

(Contd.)

Table 14.15(a) (Contd.)

S.No.	State / UTs	No. of Farmers covered	Area Insured (In Ha)	Sum Insured	Farmers' Premium	Govt Premium (Share)	State Govt. Premium (Share)	Gross Premium	Claims Reported	Claims Paid	No. of Farmers Benefited
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
18	Madhya Pradesh	13358486	24197236.55	7790373.53	140410.06	346193.76	346193.76	832797.58	725397.61	714805.23	2782967.00
19	Maharashtra	21791250	12792524.47	3953493.14	98514.94	315557.10	315557.10	729629.15	460486.96	460438.72	7959818.00
20	Manipur	17475	27785.78	8671.14	148.54	202.42	202.42	55.37	245.54	245.54	10819.00
21	Meghalaya	3034	3436.29	2724.11	102.22	21.99	21.99	146.19	4.34	1759.34	247427.00
22	Mizoram	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	Nagaland										
24	Odisha	3399380	2509811.80	1366072.39	26917.87	49412.41	49412.41	125742.69	215213.13	215213.13	901420.00
25	Puducherry	8537	7978.62	3398.78	22.49	120.16	145.32	287.97	757.21	757.21	4299.00
26	Punjab										
27	Rajasthan	17570079	19517121.76	3839753.35	82529.64	206471.80	206478.78	495480.22	346828.58	339350.47	5351438.00
28	Sikkim	1238	237.39	119.57	1.89	0.20	0.20	2.28	10.77	10.77	225.00
29	Tamil Nadu	2920090	2573468.72	1456997.90	25072.48	121372.58	121372.58	267817.63	468877.06	406705.16	282539.00
30	Telengana	1735345	1535191.88	861849.76	19512.86	21237.61	21237.62	61988.08	31893.00	30702.64	388258.00
31	Tripura	24434	7983.28	5099.92	88.51	12.89	12.89	114.29	166.04	166.04	6266.00
32	Uttar Pradesh	11593456	10269710.99	4513898.19	83165.63	77080.59	77080.59	237326.82	87959.38	87742.42	1638354.00
33	Uttarakhand	381318	202449.57	133669.44	1619.76	424.00	424.00	2467.75	773.48	772.16	38605.00
34	West Bengal	8190803	3866966.10	2421966.07	49354.72	46112.29	47645.99	143113.01	66970.89	63866.18	1089573.00
Total		103872514	102849067	37929424	766876	1729903	1753848	4250628	3284341	3195327	28595282

Source: Department of Agriculture, Cooperation & Farmers Welfare

Table 14.15 (b): Season-wise Progress under Pradhan Mantri Fasal Bima Yojana (PMFBY) - Cumulative upto Rabi 2017-18

S.No.	State / UTs	No. of Farmers covered	Area Insured (In Ha.)	Sum Insured	Farmers' Premium	Govt Premium (Share)	State Govt. Premium (Share)	Gross Premium	Claims Reported	Claims Paid	No. of Farmers Benefited
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
1	Kharif 2016	38396436	36438501	12216361	262489	602861	620102	1485452	919873	919162	9388918
2	Rabi 2016-17	16714743	18067011	6901494	115210	198798	200364	514372	544414	534827	3426530
	Total 2016-17	55111179	54505513	19117855	377699	801659	820466	1999824	1464287	1453989	12815448
1	Kharif 2017	32848813	31792702	11577052	263188	712540	717677	1693405	1631081	1639388	13373715
2	Rabi 2017-18	15912522	16550852	7234517	125990	215705	215705	557400	188973	101950	2406119
	Total 2017-18	48761335	48343554	18811569	389178	928245	933382	2250804	1820054	1741338	15779834
	Kharif Seasons Total	71245249	68231203	23793413	525676	1315401	1337779	3178856	2550955	2553550	22762633
	Rabi Seasons Total	32627265	34617863	14136011	241200	414503	416069	1071772	733387	636777	5832649
	Grand Total	103872514	102849067	37929424	766876	1729903	1753848	4250628	3284341	3195327	28595282

Source: Department of Agriculture, Cooperation & Farmers Welfare

14.16(a): 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	Govt Premium (Share)	State Govt. Premium (Share)	Gross Premium	Claims Reported	Claims Paid	No. of Farmers Benefited
(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	Chhattisgarh	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
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

(Contd.)

Table 14.16(a) (Contd.)

S.No.	State / UTs	No. of Farmers covered	Area Insured (In Ha.)	Sum Insured	Farmers' Premium	Govt. 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)
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
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	Telengana	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	33 0272	3062625

Source: Department of Agriculture, Cooperation & Farmers Welfare

Table 14.16(b): Season-wise Progress under Restructured Weather Based Crop Insurance Scheme (RWBCIS) - Cumulative upto Rabi 2017-18

S.No.	State / UTs	No. of Farmers covered	Area Insured (In Ha)	Sum Insured	Farmers' Premium	Govt 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	Kharif 2016	1497553	1320393	665433	24064	29814	29814	83693	127890	127867	1310812
2	Rabi 2016-17	558960	412264	343791	16588	31697	31697	79903	36731	36592	294889
	Total 2016-17	2056513	1732657	1009223	40572	61512	61512	163595	164620	164460	1605701
1	Kharif 2017	1432348	1646826	882131	29517	66922	66922	163361	126841	126121	1144906
2	Rabi 2017-18	546965	1511150	319739	15577	26378	26378	68333	46883	39691	312018
	Total 2017-18	1979313	3157977	1201870	45094	93300	93300	231694	173723	165812	1456924
	Kharif Seasons Total	2929901	2967220	1547563	53582	96736	96736	247054	254730	253988	2455718
	Rabi Seasons Total	1105925	1923445	663530	32085	58076	58076	148236	83613	76283	606907
	Grand Total	4035896	4890634	2211093	85666	154812	154812	395290	338344	330272	3062625

Source: Department of Agriculture, Cooperation & Farmers Welfare

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

States/UTs	2014-15			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	Gross Area Sown*	Area insured	% of Area Insured
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Andhra Pradesh	76.90	5.41	7.04	76.90	23.49	30.54	76.90	15.81	20.56	76.90	21.60	28.09
Andaman & Nicobar	0.24	0.01	5.13	0.24	0.01	5.75	0.24	0.00	1.06	0.24	0.00	1.03
Arunachal Pradesh	2.99	0.00	0.00	2.99	0.00	0.00	2.99	0.00	0.00	2.99	0.00	0.00
Assam	40.83	0.30	0.74	40.83	0.29	0.70	40.83	0.41	1.00	40.83	0.43	1.06
Bihar	76.73	37.33	48.65	76.73	28.06	36.57	76.73	22.02	28.69	76.73	21.28	27.74
Chandigarh	0.02	0.00	0.02	0.02	0.00	0.00	0.02	0.00	0.00	0.02	0.00	0.00
Chhattisgarh	57.28	18.95	33.08	57.28	23.43	40.90	57.28	24.17	42.19	57.28	22.27	38.88
Dadar & Nagar Haveli	0.23	0.00	0.00	0.23	0.00	0.00	0.23	0.00	0.00	0.23	0.00	0.00
Daman & Diu	0.03	0.00	0.00	0.03	0.00	0.00	0.03	0.00	0.00	0.03	0.00	0.00
Delhi	0.35	0.00	0.00	0.35	0.00	0.00	0.35	0.00	0.00	0.35	0.00	0.00
Goa	1.58	0.00	0.11	1.58	0.00	0.07	1.58	0.00	0.04	1.58	0.00	0.01
Gujarat	127.73	13.89	10.87	127.73	10.31	8.08	127.73	30.18	23.63	127.73	21.61	16.92
Haryana	65.36	0.00	0.00	65.36	0.00	0.00	65.36	20.85	31.89	65.36	19.32	29.56
Himachal Pradesh	9.18	0.54	5.83	9.18	0.54	5.89	9.18	1.30	14.15	9.18	12.74	138.82
Jammu & Kashmir	11.78	0.01	0.07	11.78	0.00	0.00	11.78	0.00	0.00	11.78	1.53	12.95
Jharkhand	15.54	2.50	16.08	15.54	4.17	26.83	15.54	3.74	24.08	15.54	3.01	19.40
Karnataka	122.47	14.07	11.49	122.47	17.18	14.03	122.47	26.11	21.32	122.47	19.08	15.58
Kerala	26.25	0.48	1.85	26.25	0.65	2.46	26.25	0.53	2.02	26.25	0.48	1.84

(Contd.)

Table 14.17(a) (Contd.)

States/UTs	2014-15			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	Gross Area Sown*	Area insured	% of Area Insured
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Lakshadweep	0.03	0.00	0.00	0.03	0.00	0.00	0.03	0.00	0.00	0.03	0.00	0.00
Madhya Pradesh	238.10	108.03	45.37	238.10	121.15	50.88	238.10	122.86	51.60	238.10	125.44	52.68
Maharashtra	234.74	48.63	20.72	234.74	83.01	35.36	234.74	72.98	31.09	234.74	58.58	24.96
Manipur	3.83	0.06	1.70	3.83	0.17	4.39	3.83	0.09	2.38	3.83	0.19	4.87
Meghalaya	3.43	0.01	0.41	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	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	5.00	0.00	0.00
Odisha	51.73	16.85	32.58	51.73	20.47	39.57	51.73	10.94	21.16	51.73	14.15	27.36
Puducherry	0.27	0.02	6.42	0.27	0.02	7.19	0.27	0.08	29.55	0.27	0.00	0.00
Punjab	73.57	0.00	0.00	78.57	0.00	0.00	78.57	0.00	0.00	78.57	0.00	0.00
Rajasthan	242.35	119.78	49.42	242.35	114.55	47.27	242.35	103.53	42.72	242.35	92.19	38.04
Sikkim	1.36	0.00	0.01	1.36	0.00	0.08	1.36	0.00	0.10	1.36	0.00	0.08
Tamil Nadu	59.95	8.69	14.49	59.95	12.45	20.77	59.95	13.08	21.82	59.95	12.66	21.11
Telangana	53.15	14.05	26.44	53.15	16.07	30.23	53.15	8.62	16.22	53.15	9.51	17.89
Tripura	4.83	0.00	0.09	4.83	0.01	0.21	4.83	0.05	1.02	4.83	0.03	0.63
Uttar Pradesh	261.47	20.43	7.81	261.47	37.98	14.53	261.47	63.76	24.39	261.47	38.98	14.91
Uttarakhand	10.97	0.51	4.67	10.97	1.11	10.12	10.97	1.32	12.07	10.97	1.16	10.60
West Bengal	96.90	9.97	10.29	96.90	8.73	9.01	96.90	19.96	20.59	96.90	18.72	19.32
All India Total	1983.60	440.53	22.21	1983.60	523.86	26.41	1983.60	562.38	28.35	1983.60	515.02	25.96

* 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

Source: Department of Agriculture, Cooperation & Farmers Welfare

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

S.No.	Crops	2014-15						2015-16						2016-17						2017-18	
		Gross Cropped Area	Area Insured	% of Area Insured	Gross Cropped Area*	Area Insured	% of Area Insured	Gross Cropped Area*	Area Insured	% of Area Insured	Gross Cropped Area*	Area Insured	% of Area Insured	Gross Cropped Area*	Area Insured	% of Area Insured	Gross Cropped Area*	Area Insured	% of Area Insured	(Area in lakh hectare)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	
1	Paddy	442.38	96.50	21.81	442.38	114.93	25.98	442.38	134.24	30.35	442.38	121.05	27.36								
2	Wheat	320.78	78.83	24.57	320.78	87.82	27.38	320.78	105.34	32.84	320.78	90.64	28.26								
3	Nutri Cereals	255.01	50.35	19.75	255.01	59.61	23.38	255.01	57.04	22.37	255.01	45.35	17.78								
4	Sugarcane	55.65	1.46	2.62	55.65	2.29	4.11	55.65	3.03	5.44	55.65	0.53	0.95								
5	Cotton	126.60	15.32	12.10	126.60	14.49	11.44	126.60	35.86	28.33	126.60	26.02	20.55								
6	Jute & Mesta	8.19	0.69	8.46	8.19	0.04	0.43	8.19	0.73	8.91	8.19	0.32	3.93								
7	Oilseeds	284.24	101.41	35.68	284.24	132.51	46.62	284.24	111.83	39.34	284.24	110.82	38.99								
8	Pulses	217.07	65.35	30.10	217.07	71.19	32.80	217.07	87.39	40.26	217.07	75.36	34.72								
9	Vegetables	57.87	21.05	36.38	57.87	20.54	35.49	57.87	21.43	37.03	57.87	10.46	18.08								
10	Fruits	41.92	2.27	5.41	41.92	3.97	9.47	41.92	3.01	7.19	41.92	14.53	34.66								
11	Others	173.89	7.29	4.19	173.89	16.48	9.48	173.89	2.47	1.42	173.89	19.95	11.47								
Area under all Crops		1983.60	440.53	22.21	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 14.18(a): Year-wise sale of Tractors and Power Tillers

Year	Tractors	Power Tiller	(Thousand Number)
(1)	(2)	(3)	
2004-05	248	17	
2005-06	296	22	
2006-07	353	25	
2007-08	347	26	
2008-09	343	35	
2009-10	394	39	
2010-11	545	55	
2011-12	535	60	
2012-13	591	47	
2013-14	697	56	
2014-15	681	46	
2015-16	571	46	
2016-17	662	45	
2017-18	797	52	

Source: Indian Council of Agricultural Research (ICAR)

Table 14.18(b): State-wise sale of Tractors during 2017-18

	(Number)
(1)	(2)
Andhra Pradesh	35141
Telenganna	41835
Assam	8053
Bihar	43155
Jharkhand	14718
Gujarat	48769
Haryana	36568
Himachal Pradesh	1560
Jammu & Kashmir	3733
Karnataka	36600
Kerala	632
Maharashtra	73253
Madhya Pradesh	72958
Chhattisgarh	19457
Odisha	20586
Punjab	20687
Rajasthan	64735
Tamil Nadu	26970
Uttar Pradesh	114635
Uttarakhand	3654
West Bengal	21609
Others	2170
Total	711478

Source: Indian Council of Agricultural Research (ICAR)

15

Agricultural Census and Input Survey

Table 15.1: Number and Area of Operational Holdings by Size Group- 2015-16 (Provisional)

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	83694	92826	99858	32026	35908	37960	0.38	0.39	0.38
(Less than 1 hectare)	(64.8)	(67.1)	(68.52)	(20.2)	(22.5)	(24.16)			
Small	23930	24779	25777	33101	35244	36435	1.38	1.42	1.41
(1.0 to 2.0 hectares)	(18.5)	(17.9)	(17.69)	(20.9)	(22.1)	(23.19)			
Semi-Medium	14127	13896	13776	37898	37705	37168	2.68	2.71	2.70
(2.0 to 4.0 hectares)	(10.9)	(10.0)	(9.45)	(23.9)	(23.6)	(23.65)			
Medium	6375	5875	5485	36583	33828	31367	5.74	5.76	5.72
(4.0 to 10.0 hectares)	(4.9)	(4.2)	(3.76)	(23.1)	(21.2)	(19.96)			
Large	1096	973	831	18715	16907	14212	17.08	17.38	17.1
(10.0 hectares and above)	(0.8)	(0.7)	(0.57)	(11.8)	(10.6)	(9.04)			
All Holdings	129222	138348	145727	158323	159592	157142	1.23	1.15	1.08
	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	(100.0)	

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

*Excluding Jharkhand, P- Provisional

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

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

State/UT	Marginal	Small	Semi-Medium	Medium	Large	All Holdings
(1)	(2)	(3)	(4)	(5)	(6)	(7)
A & N Islands	5154	2533	2875	1364	28	11954
Andhra Pradesh	5904039	1646246	769843	189034	14748	8523910
Arunachal Pradesh	27161	24056	29018	26328	6690	113253
Assam	1868020	495313	295286	79262	3830	2741711
Bihar	14970585	943796	414015	81408	3089	16412893
Chandigarh	488	140	79	46	2	755
Chhattisgarh	2402049	868049	487423	179143	22986	3959650
D & N Haveli	8511	3829	1887	746	99	15072
Daman & Diu	7522	423	131	34	6	8116
Delhi	11489	5436	2587	1209	121	20842
Goa	44772	6074	3237	1566	395	56044
Gujarat	2017813	1615863	1150314	495892	39893	5319775
Haryana	802596	314037	277972	192327	41383	1628315
Himachal Pradesh	711750	173477	82296	25940	2963	996426
Jammu & Kashmir	1186887	159988	58102	10998	534	1416509
Jharkhand	1877072	426994	281104	127769	19756	2732195
Karnataka	4763883	2213244	1192553	451401	55707	8676788
Kerala	7333248	181372	55744	11274	1858	7583496

(Contd.)

Table 15.2 (a) (Contd.)

State/UT	Marginal	Small	Semi-Medium	Medium	Large	All Holdings
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Lakshadweep	9962	281	135	31	8	10417
Madhya Pradesh	4834531	2724684	1674301	706734	62885	10003135
Maharashtra*	7558075	4313194	2116527	658126	60848	14706770
Manipur	76705	48737	22269	2734	39	150484
Meghalaya	122748	60268	39863	9256	262	232397
Mizoram	44963	27483	13834	3209	285	89774
Nagaland	7946	29060	62582	74153	23408	197149
Odisha	3636658	887272	286735	51210	3975	4865850
Puducherry	28361	3385	1568	481	45	33840
Punjab	154412	207436	367938	305220	57707	1092713
Rajasthan	3070873	1677372	1416174	1131440	358757	7654616
Sikkim	44449	12768	7551	2402	364	67534
Tamil Nadu	6224319	1119229	452236	127650	14513	7937947
Telangana	3840131	1408981	563576	125582	9465	5947735
Tripura	504105	47987	18538	2491	73	573194
Uttar Pradesh	19099828	3008403	1313695	376790	22909	23821625
Uttarakhand	659077	148853	58042	14496	888	881356
West Bengal	5997758	970895	255957	17514	608	7242732
All India	99857940	25777158	13775987	5484760	831127	145726972

Source: Department of Agriculture, Cooperation & Farmers Welfare (Agriculture census 2015-16, Phase-1)

* Figures for Jharkhand & Maharashtra have been estimated.

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

State/UT	Marginal	Small	Semi-Medium	Medium	Large	All Holdings (Hectares)
	(1) (2)	(3) (4)	(5)	(6)	(7)	
A & N Islands	2372.62	3737.81	7873.99	6128.93	1106.73	21220.07
Andhra Pradesh	2336409.71	2334051.98	2019756.63	1038253.92	275999.71	8004471.95
Arunachal Pradesh	14356.98	30640.11	77432.38	153215.31	104294.29	379939.07
Assam	784971.32	696107.03	806250.00	410090.50	278835.70	2976254.56
Bihar	3727921.25	1178100.04	1075805.81	430508.89	44718.90	6457054.89
Chandigarh	209.58	192.16	231.19	248.48	31.85	913.25
Chhattisgarh	1025255.19	1222409.02	1301028.11	1016275.94	370183.53	4935151.80
D & N Haveli	4521.09	5143.57	5191.85	4322.51	1551.91	20730.93
Daman & Diu	1664.40	566.49	354.56	200.14	78.64	2864.22
Delhi	5207.65	7634.98	7266.99	6913.48	1951.71	28974.82
Goa	13090.62	7466.06	8309.60	8726.52	8008.53	45601.33
Gujarat	1073121.49	2338282.40	3172023.61	2804573.14	590206.71	9978207.34
Haryana	391856.35	459639.42	802030.09	1167627.96	787783.69	3608937.52
Himachal Pradesh	285355.96	242356.27	223441.61	146254.78	46973.33	944381.95
Jammu & Kashmir	397390.22	220672.20	153906.45	59446.93	10892.15	842307.95
Jharkhand*	776743.65	587241.32	773077.18	745294.66	302578.96	3184935.77
Karnataka	2064943.77	3086441.35	3167366.64	2550533.42	854835.28	11724120.45
Kerala	856074.10	242336.53	141685.39	60007.62	94833.10	1394936.74
Lakshadweep	1713.28	339.61	328.51	168.93	140.20	2690.53

(Contd.)

Table 15.2 (b) (Contd.)

State/UT	Marginal	Small	Semi-Medium	Medium	Large	All Holdings
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Madhya Pradesh	2372199.19	3835581.66	4521716.94	4008229.25	932509.62	15670236.65
Maharashtra*	3502869.10	6081054.12	5608049.38	3653627.34	1037751.14	19883351.08
Manipur	40295.68	62773.84	55322.02	13357.23	432.42	172181.19
Meghalaya	55929.89	79595.89	108904.36	51413.49	4236.04	30079.67
Mizoram	27167.00	35063.65	31671.94	14908.92	3653.20	112464.71
Nagaland	4476.28	36073.15	167747.92	434969.51	354244.69	998211.55
Odisha	2056820.60	1404130.37	787866.83	284228.07	86242.66	4619288.52
Puducherry	8194.63	4913.97	4280.54	2693.03	782.00	20364.17
Punjab	93360.31	289659.35	983400.84	1729788.19	857229.91	3953438.61
Rajasthan	1482911.94	2388734.34	3988603.34	6898759.81	6114290.00	20873299.43
Sikkim	18229.06	17759.51	20408.67	13638.67	6261.45	76297.37
Tamil Nadu	2168705.74	1555481.71	1215345.19	714169.79	317027.89	5970730.32
Telangana	1705882.58	1976619.60	1467025.06	687712.73	134574.14	5971814.11
Tripura	148777.52	70095.55	49196.28	12633.75	1082.06	281785.17
Uttar Pradesh	7298325.75	4174659.29	3559517.75	2074622.78	343244.47	17450370.04
Uttarakhand	283394.22	206252.53	155568.89	78833.81	23283.72	747333.16
West Bengal	2929448.20	1553445.58	700157.87	84268.39	219539.01	54868359.05
All India	37960166.91	364352.52.45	37168144.41	31366646.84	14212089.32	157142299.92

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

Note: Total may not tally due to rounding off

* Figures for Jharkhand & Maharashtra have been estimated.

Table 15.3: Average Size of Holdings by Size Group 2015-16 (Provisional)

State/UT	Marginal	Small	Semi-Medium	Medium	Large	All Holdings
	(1)	(2)	(3)	(4)	(5)	(6)
A & N Islands	0.46	1.48	2.74	4.49	39.53	1.78
Andhra Pradesh	0.40	1.42	2.62	5.49	18.71	0.94
Arunachal Pradesh	0.53	1.27	2.67	5.82	15.59	3.35
Assam	0.42	1.41	2.73	5.17	72.80	1.09
Bihar	0.25	1.25	2.60	5.29	14.48	0.39
Chandigarh	0.43	1.37	2.93	5.40	15.92	1.21
Chhattisgarh	0.43	1.41	2.67	5.67	16.10	1.25
D & N Haveli	0.53	1.34	2.75	5.79	15.68	1.38
Daman & Diu	0.22	1.34	2.71	5.89	13.11	0.35
Delhi	0.45	1.40	2.81	5.72	16.13	1.39
Goa	0.29	1.23	2.57	5.57	20.27	0.81
Gujarat	0.53	1.45	2.76	5.66	14.79	1.88
Haryana	0.49	1.46	2.89	6.07	19.04	2.22
Himachal Pradesh	0.40	1.40	2.72	5.64	15.85	0.95
Jammu & Kashmir	0.33	1.38	2.65	5.41	20.40	0.59
Jharkhand*	0.41	1.38	2.75	5.86	15.32	1.17
Karnataka	0.43	1.39	2.66	5.65	15.35	1.35
Kerala	0.12	1.34	2.54	5.32	51.04	0.18
Lakshadweep	0.17	1.21	2.43	5.45	17.53	0.26

(Contd.)

Table 15.3 (Contd.)

State/UT	Marginal	Small	Semi-Medium	Medium	Large	All Holdings
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Madhya Pradesh	0.49	1.41	2.70	5.67	14.83	1.57
Maharashtra*	0.46	1.41	2.65	5.55	17.05	1.35
Manipur	0.53	1.29	2.48	4.89	11.09	1.14
Meghalaya	0.46	1.32	2.73	5.55	16.17	1.29
Mizoram	0.60	1.28	2.29	4.65	12.82	1.25
Nagaland	0.56	1.24	2.68	5.87	15.16	5.06
Odisha	0.57	1.58	2.75	5.55	21.70	0.95
Puducherry	0.29	1.45	2.73	5.60	17.38	0.62
Punjab	0.60	1.40	2.67	5.67	14.85	3.62
Rajasthan	0.48	1.42	2.82	6.10	17.04	2.73
Sikkim	0.41	1.39	2.70	5.68	17.20	1.13
Tamil Nadu	0.35	1.39	2.69	5.59	21.84	0.75
Telangana	0.44	1.40	2.60	5.48	14.22	1.00
Tripura	0.30	1.46	2.65	5.07	14.82	0.49
Uttar Pradesh	0.38	1.39	2.71	5.51	14.98	0.73
Uttarakhand	0.43	1.39	2.68	5.44	26.22	0.85
West Bengal	0.49	1.60	2.74	4.81	361.08	0.76
All India	0.38	1.41	2.70	5.72	17.10	1.08

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

* Figures for Jharkhand & Maharashtra have been estimated.

Table 15.4: Estimated Number of Operational Holdings by Size Classes and Irrigation Status

Size-Class	Wholly Irrigated			Partially Irrigated			Wholly Unirrigated			Total Holding		
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	Number	Area
Marginal	39294	14824	9623	3599	2011	37065	13796	92826	35908			
Small	8644	11678	3486	4768	2585	11686	15529	24779	35244			
Semi-medium	4525	11621	2536	6397	3374	6366	15760	13896	37705			
Medium	1806	9692	1342	6922	3573	2545	12828	5875	33828			
Large	245	3742	218	3092	1467	484	7030	973	16907			
All Classes	54515	51557	17206	24778	13010	58144	64943	138348	159592			

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

Number: ('000)
Area: ('000 Hectares)

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

Size Class	Canals	Tanks	Wells	Tubewells	Others	('000 Hectares)
						Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Marginal	4783	912	2262	7818	1060	16835
Small	3562	558	2891	6232	1021	14263
Semi-medium	3686	433	3219	6629	1028	14995
Medium	3441	259	2728	6001	836	13266
Large	1436	86	817	2485	384	5209
Total	16908	2248	11917	29165	4329	64567

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

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

Crops	Irrigated						Un-Irrigated				Total (13)	
	Marginal (1)	Small (2)	Semi-Medium (3)	Medium (4)	Large (5)	Total (6)	Marginal (8)	Small (9)	Semi-Medium (10)	Medium (11)	Large (12)	
Paddy	10163	6642	6331	4707	1723	29567	7243	5005	4272	2669	910	20099
Wheat	6325	5177	6263	6305	2577	26648	1292	969	930	775	286	4252
Other Cereals	1151	1139	1222	1006	378	4896	4366	5524	6102	5639	3418	25049
Total Cereals	17640	12958	13816	12018	4678	61111	12902	11497	11304	9083	4614	49400
Total Pulses	346	504	678	841	318	2687	3186	4443	4935	4718	2292	19573
Sugarcane	1176	1186	1162	761	180	4465	272	156	140	78	13	660
Total Oilseeds	1349	1499	1836	1998	936	7618	2399	4074	4875	4391	1505	17245
Total Fibres	487	630	776	1005	553	3450	1389	2498	2464	1759	433	8543
All Crops	22986	18544	20108	18409	7720	87768	22048	24493	25757	22473	11221	105992

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

Note:- All Crops include few more crops other than those listed above, viz., Fruits, Vegetables, Spices Tea, Coffee, Rubber, etc. Paddy includes Paddy of all the seasons.

Totals may not tally due to rounding off

Table 15.7: Usage of Chemical Fertilisers, Farm Yard Manure and Pesticides by major size Groups

		Quantity Applied						(Fertilisers/ Manure/ Pesticides: Metric Tonnes)		
		Area Treated with Fertilisers			Super Ammonium Sulphate			Others		
Size Groups (hectares)	Gross Cropped Area	DAP	Urea	Phosphate	(7)	(8)	N	P	K	(10)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
Marginal	I	24008	21408	2683006	6326385	522153	15961	336623	244578	660438
(Below 1.00)	UI	23134	15221	1184688	3261015	452362	9571	110310	156039	338727
	T	47142	36629	3867695	9587400	974516	25532	446933	400616	999166
Small	I	18975	16962	1618416	3476035	445898	22424	111390	175818	441544
(1.0-1.99)	UI	23655	16448	980375	2146474	434023	16629	88306	124241	229706
	T	42630	33409	2598792	5622509	879921	39053	199695	300059	671250
Semi-Medium	I	19925	17909	1646747	3374431	388941	14366	128402	125382	340351
(2.0-3.99)	UI	24780	16836	926267	1763285	388208	12176	68498	94599	182735
	T	44706	34745	2573014	5137716	777149	26542	196901	219981	523086
Medium	I	18090	16328	1461622	3019896	297682	9540	79834	64256	211637
(4.0-9.99)	UI	21169	12748	652967	1129268	251599	4297	34467	50093	109458
	T	39258	29076	2114589	4149164	549281	13837	114301	114349	321096
Large	I	6999	6372	562297	1354307	89155	2085	5405	9185	53998
(10.0 and above)	UI	9019	3747	168114	278150	49341	1370	6429	9685	31369
	T	16018	10119	730411	1632456	138495	3455	11835	18870	85366
All Groups	I	87997	78979	7972088	17551054	1743830	64375	661653	619219	1707969
	UI	101757	65000	3912412	8578192	1575533	44043	308010	434657	891995
T	189754	143978	11884500	26129246	3319362	108418	969663	1053876	259964	

(Contd.)

Table 15.7 (Contd)

Size Groups (hectares)	Quantity Applied			Area Treated with			Quantity of Farm Yard Manure Applied
	N	P	K	Farm	Yard Manure	Pesticides	
(1)	(11)	(12)	(13)	(14)	(15)	(16)	
Marginal (Below 1.00)	1 UI	3732989 1825592	1562305 773373	660438 338727	4694 6523	10431 8315	22676761 24268589
Small (1.0-1.99)	T UI	5558581 1255577	2335678 644657	999166 229706	11217 5850	18747 10060	46945350 17507245
Semi-Medium (2.0-3.99)	I UI	2006300 1980015	991633 945116	441544 340351	3912 3632	8904 9714	15956992 14725954
		1048846	582795	182735	5467	10486	14080191
Medium (4.0-9.99)	T UI	3028860 1734043	1527911 784231	523086 211637	9100 2855	20201 9676	28806145 11059304
		672350	390714	109458	3936	8232	8559809
Large (10.0 and above)	T I UI	2406393 730029 164921	1174945 282106 94912	321096 53998 31369	6791 956 1292	17908 4125 2924	19619114 3224683 25114113
		894950	377018	85366	2248	7049	5736097
All Groups	I UI T	10183375 4967285 15150661	4565392 2486452 7051844	1707969 891995 2599964	16049 23069 39118	42851 40017 82869	67643694 66927248 134570943

Source: Department of Agriculture, Cooperation & Farmers Welfare (Input Survey 2011-12).

Notes: I - Irrigated, UI - Unirrigated, T - Total of I & UI.

N: Nitrogen, P: Phosphorus, and K: Potassium

Total may not tally due to rounding off.

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

Size Group (Ha)	Total No. of Operational Holdings that took Institutional Credit	Estimated No. of Operational Holdings that took Institutional Credit		No. of Operational Holdings that took Institutional Credit from			(‘000 Units)
		(3)	(4)	PACS	PLDB/ SLDB	CBB	
(1)	(2)			(5)	(6)	(7)	
Marginal (Below 1.00)	92688	26508	10807	767	12112	3673	3673
Small (1.0-1.99)	24746	11021	5489	478	3673	1935	
Semi-Medium (2.0-3.99)	13869	6583	3471	309	1980	1280	
Medium (4.0-9.99)	5854	3011	1676	162	818	664	
Large (10 and Above)	953	500	285	36	119	143	
All Groups	138110	47623	21728	1751	18702	7694	

(Contd.)

Table 15.8 (Contd)

(In Lakh Rupees)

Size Group (Ha)	Amount of Institutional Credit Taken										RRBB	
	PACS			PLDB/ SLDB			CBB					
	Short Term	Medium Term	Long Term	Short Term	Medium Term	Long Term	Short Term	Medium Term	Long Term	Short Term		
(1)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	
Marginal (Below 1.00)	2240815	0	0	0	537877	115928	2600024	1275684	486897	968105	652670	
Small (1.0-1.99)	1861245	0	0	0	380180	108296	1087596	709945	264044	748048	312538	
Semi-Medium (2.0-3.99)	1740607	0	0	0	339520	81890	755631	493399	273588	789631	295927	
Medium (4.0-9.99)	1323821	0	0	0	256499	83510	414809	245712	191369	637178	297157	
Large (10 & Above)	315298	0	0	0	71263	28801	93189	50559	46553	168053	122271	
All Groups	7481785	0	0	0	1585339	418425	4951248	2775299	1262451	3311015	1680562	
											861547	

Source: Department of Agriculture, Cooperation & Farmers Welfare (Input Survey 2011-12).
 PACS: Primary Agricultural Credit Society, PLDB: Primary Land Development Bank of State Land Development Bank, CBB: Commercial Bank Branch, RRBB: Regional Rural Bank Branch

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

Size Group (Ha)	Amount of Institutional Credit Taken					Short Term Loans				(In Lakh Rupees)	
	Short Term Loans	Medium Term Loans	Long Term Loans	Total	Value of the Quantity of Fertiliser Given	(6)	(7)	(8)	(9)		
						(1)	(2)	(3)	(4)	(5)	
Marginal (Below 1.00)	5808944	2466230	796967	9072140	1804603	475583	3528758	3528758	3528758	5808944	
Small (1.0-1.99)	3696888	1402663	567151	5666702	759919	284145	2652824	2652824	2652824	3696888	
Semi-Medium (2.0-3.99)	3285868	1128846	561190	4975905	598793	229180	2457896	2457896	2457896	3285868	
Medium (4.0-9.99)	2375809	799368	477194	3652371	418242	165659	1791908	1791908	1791908	2375809	
Large (10 & Above)	576539	244093	139921	960554	84801	33719	458019	458019	458019	576539	
All Groups	15744048	6041200	2542423	24327671	3666358	1188286	10889405	10889405	10889405	15744048	

Source: Department of Agriculture, Cooperation & Farmers Welfare (Input Survey 2011-12)

Note: Total may not tally due to rounding off

16

Situation of Agricultural Households in India

Table 16.1: Estimated Number of Rural Households, Agricultural Households and Indebted Agricultural Households during the agricultural year July 2012-June 2013

State	Estimated Number of Rural Households ('00)	Estimated Number of Agricultural Households ('00)	% of Agricultural Households to Rural Households	Estimated Number of Agricultural Households having loan ('00)	% of Agricultural Households indebted	Average monthly income (Rs) per Agricultural Household
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Andhra Pradesh*	86763	35968	41.5	33421	92.9	5979
Arunachal Pradesh	1659	1080	65.1	206	19.1	10869
Assam	52494	34230	65.2	5995	17.5	6695
Bihar	140611	70943	50.5	30156	42.5	3558
Chhattisgarh	37472	25608	68.3	9538	37.2	5177
Gujarat	58719	39305	66.9	16743	42.6	7926
Haryana	25849	15693	60.7	6645	42.3	14434
Himachal Pradesh	13251	8811	66.5	2457	27.9	8777
Jammu & Kashmir	13746	11283	82.1	3463	30.7	12683
Jharkhand	37516	22336	59.5	6464	28.9	4721
Karnataka	77430	42421	54.8	32775	77.3	8832
Kerala	51377	14043	27.3	10908	77.7	11888
Madhya Pradesh	84666	59950	70.8	27414	45.7	6210
Maharashtra	125182	70970	56.7	40672	57.3	7386
Manipur	2584	1762	68.2	421	23.9	8842
Meghalaya	4721	3544	75.1	84	2.4	11792
Mizoram	936	758	81.0	47	6.2	9099
Nagaland	4128	2621	63.5	65	2.5	10048
Odisha	78120	44935	57.5	25830	57.5	4976
Punjab	27552	14083	51.1	7499	53.2	18059
Rajasthan	82722	64835	78.4	40055	61.8	7350
Sikkim	1150	674	58.6	97	14.4	6798
Tamil Nadu	93607	32443	34.7	26780	82.5	6980
Telangana*	49309	25389	51.5	22628	89.1	6311
Tripura	6635	2445	36.9	559	22.9	5429
Uttar Pradesh	241328	180486	74.8	79081	43.8	4701
Uttranchal	16498	10608	64.3	5387	50.8	4923
West Bengal	141359	63624	45.0	32787	51.5	3980
UTs	2394	718	30.0	267	37.2	8568
All India	1561442	902011	57.8	468481	51.9	6426

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

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

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

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

Table 16.2: Indebtedness of Agricultural Households(all-India) in Different Size Classes of Land Possessed

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

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

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

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

Table 16.3: Incidence of Indebtedness in Major States

State	Estimated Number of Indebted Agricultural Households('00)	% to Total Indebted Agricultural Households	% Share in Total Foodgrains in 2017-18*	
			Area	Production
(1)	(2)	(3)	(4)	(5)
1. Uttar Pradesh	79081	16.9	15.54	17.99
2. Maharashtra	40672	8.7	8.55	4.82
3. Rajasthan	40055	8.5	11.16	6.88
4. Andhra Pradesh**	33421	7.1	3.25	4.27
5. West Bengal	32787	7.0	4.66	5.93
6. Karnataka	32775	7.0	5.95	3.91
7. Bihar	30156	6.4	5.10	5.81
8. Madhya Pradesh	27414	5.9	13.36	11.74
9. Odisha	25830	5.5	3.60	2.50
10. Telangana**	22628	4.8	2.55	3.30
11. Punjab	7499	1.6	5.27	11.13
12. Other States/UTs	96163	20.5	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 16.4: The percentage distribution of indebted agricultural households by size class of land possessed for selected States

State	% of Marginal Indebted Agricultural Households (upto 1.0 ha of land)	% of Small Indebted Agricultural Households (1.01 to 2.00 ha)	% of Semi-Medium Indebted Agricultural Households (2.01 to 4.00 ha)	% of Medium Indebted Agricultural Households (4.01 to 10.00 ha)	% of Large Indebted Agricultural Households (>10.00 ha)
(1)	(2)	(3)	(4)	(5)	(6)
1. Uttar Pradesh	77.2	13.4	7.1	2.1	0.2
2. Maharashtra	35.6	29.3	22.8	11.6	0.7
3. Madhya Pradesh	42.3	27.4	21.4	7.5	1.3
4. Rajasthan	50.9	18.3	16.8	12.1	1.9
5. Karnataka	52.0	24.4	14.8	7.4	1.3
6. Andhra Pradesh*	52.2	23.9	16.1	6.9	0.9
7. Telangana*	51.0	23.6	19.6	5.0	0.9
8. Bihar	86.7	10.0	2.6	0.7	0.0
9. West Bengal	91.1	7.4	1.4	0.1	0.0
10. Punjab	46.2	15.9	17.9	17.6	2.4
11. Odisha	78.7	15.2	4.3	1.8	0.1
All India	63.6	18.4	12.0	5.4	0.6

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

*Separate estimates for the newly formed States of Telangana and Andhra Pradesh are provided in place of erstwhile State of Andhra Pradesh
Note:1 Reference period for land possession and indebtedness is "as on the date of survey"
2 Indebtedness relates to all kind of outstanding loans irrespective of the purpose for which taken

17

Ceiling on Land Holdings and Wages for Agricultural Workers

Table 17.1: Ceilings on Land Holdings

(In Acres)

State	Irrigated land with two crops	Irrigated land with one crop	Dry land
(1)	(2)	(3)	(4)
As recommended in 1972 National Guidelines	10 to 18	27	54
Proposed in Agenda Notes 1985 of Regional Minister's Conference	12	18	30
Andhra Pradesh	10 to 18	15 to 27	35 to 54
Assam	17	17	17
Bihar	15 to 18	25	30 to 45
Gujarat	10 to 18	15 to 27	20 to 54
Haryana	18	27	54
Himachal Pradesh	10	15	30 to 70
Jammu & Kashmir	9 to 12.5	9 to 12.5	15 to 23 (in Ladakh 19)
Karnataka	10 to 20	25 to 30	54
Kerala	12 to 15	12 to 15	12 to 15
Madhya Pradesh	18	27	54
Maharashtra	18	27	54
Manipur	12	12	15
Mizoram	-	-	-
Odisha	10	15	30 to 45
Punjab	17	27	51
Rajasthan	18	27	54 to 175
Tamil Nadu	12	30	60
Sikkim	12.5	12.5	50
Tripura	10	10	30
Uttarakhand	18	27	45
Uttar Pradesh	18	27	45
West Bengal	12	12	17
Andaman & Nicobar Islands	-	-	-

Source: Department of Land Resources

Note : 1. The actual limits for lands in Karnataka and Uttar Pradesh are higher due to classification of land.
 2. The actual ceiling limits in Himachal Pradesh and Rajasthan are higher due to hilly terrain and desert lands.
 3. 1 Acre = 0.404686 Hectare.

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

(Rs.per day)			
Sl. No.	Centre/State/ UT	Category	Minimum Wages for Agricultural Workers with V.D.A (in Rs./ day)
(1)	(2)	(3)	(4)
CENTRAL SPHERE (w.e.f. 01.10.2018)			
		Unskilled	321.00-355.00
		Semi-Skilled	328.00-389.00
		Skilled/clerical	356.00-422.00
		Highly Skilled	389.00-467.00
STATES/UNION TERRITORIES			
1	Andhra Pradesh (w.e.f. 01.10.2018)		251.00-413.00
2	Arunachal Pradesh (w.e.f. 01.10.2016)	Unskilled	200.00-220.00
		Semi-skilled	210.00-230.00
		Skilled	220.00-240.00
3	Assam (w.e.f. 01.11.2016)	Unskilled	242.64
		Semi-skilled	283.08
		Skilled	353.85
		Highly Skilled	454.95
4	Bihar (w.e.f. 01.10.2018)		246.00
5	Chhattisgarh (w.e.f. 01.10.2018)	Unskilled	237.00
6	Delhi (w.e.f. 01.11.2018)	Unskilled	538.00
		Semi-skilled	592.00
		Skilled	652.00
7	Goa (w.e.f. 24.05.2016)		317.00-416.00
8	Gujarat (w.e.f. 19.09.2016)		178.00
9	Haryana (w.e.f. 01.07.2018)	Un-skilled	328.52
		Semi-skilled A	344.95
		Semi-skilled B	362.19

(Contd.)

Table 17.2 (Contd.)

Sl. No.	Centre/State/ UT	Category	Minimum Wages for Agricultural Workers with V.D.A (in Rs./ day)
(1)	(2)	(3)	(4)
		Skilled A	380.30
		Skilled B	399.32
		Highly skilled	419.28
10	Himachal Pradesh	Unskilled	210.00
	(w.e.f. 01.04.2017)		
11	Jharkhand	Tractor driver and pump operator	255.91
	(w.e.f. 01.10.2016)	Chowkidar	200.43
		All other agricultural operations	187.43
12	Jammu & Kashmir	Unskilled	150.00
	(w.e.f. 17.01.2017)	Semi-skilled	175.00
		Skilled	225.00
		Supervisor	200.00
13	Karnataka		303.98
	(w.e.f. 01.04.2016)		
14	Kerala		150.00-200.00
	(w.e.f. 01.10.2016)		
15	Madhya Pradesh	Unskilled	204.00
	(w.e.f. 01.04.2018)		
16	Maharashtra		191.01
	(w.e.f. 01.10.2016)		
17	Manipur		225.00-273.00
	(w.e.f. 01.01.2017)		
18	Meghalaya	Unskilled	170.00
	(w.e.f. 01.10.2016)	Semi-skilled	181.00
		Skilled	191.00
		High-skilled	212.00

(Contd.)

Table 17.2 (Contd.)

Sl. No.	Centre/State/ UT	Category	Minimum Wages for Agricultural Workers with V.D.A (in Rs./ day)
(1)	(2)	(3)	(4)
19	Mizoram	Unskilled	270.00
	(w.e.f. 01.04.2016)	Semi-skilled	300.00
		Skilled-II	370.00
		Skilled-I	460.00
20	Nagaland	Unskilled	115.00
	(w.e.f. 01.10.2016)	Semi-skilled	125.00
		Skilled	135.00
21	Odisha	Unskilled	200.00
	(w.e.f. 30.04.2015)	Semi-skilled	220.00
		Skilled	240.00
		Highly skilled	260.00
22	Punjab (w.e.f. 01.03.2017)	Unskilled	273.09-303.62
23	Rajasthan	Unskilled	207.00
	(w.e.f. 01.01.2017)	Semi-skilled	217.00
		Skilled	227.00
		Highly Skilled	277.00
24	Tamil Nadu	For 6 hours	146.00
	(w.e.f. 23.01.2015)		
25	Tripura	Adult	250.00
	(w.e.f. 01.10.2016)	Young	174.00
26	Uttarakhand	Unskilled	200.00
	(w.e.f. 15.06.2015)		
27	Uttar Pradesh	Unskilled	161.00
	(w.e.f. 01.10.2016)		
28	West Bengal	Unskilled	210.00-226.00
	(w.e.f. 01.01.2017)	Semi-skilled	232.00-248.00
		Skilled	257.00-273.00

(Contd.)

Table 17.2 (Contd.)

Sl. No.	Centre/State/ UT	Category	Minimum Wages for Agricultural Workers with V.D.A (in Rs./ day)
(1)	(2)	(3)	(4)
29	Andaman & Nicobar Islands (w.e.f. 01.01.2017)	Unskilled Semi-skilled Skilled Highly Skilled	297.00-308.00 309.00-317.00 322.00-339.00 343.00-361.00
30	Chandigarh (w.e.f. 01.04.2017)	Un-skilled Semi-skilled-II Semi-skilled-I Skilled-II Skilled-I Highly Skilled	341.00 347.00 351.00 359.00 367.00 383.00
31	Dadra & Nagar Haveli (w.e.f. 01.04.2016)	Unskilled Semi-skilled Skilled	277.70 285.70 293.70
32	Lakshadweep (w.e.f. 01.10.2016)	Unskilled Semi-skilled Skilled Highly Skilled	255.20 280.20 305.20 330.20
33	Puducherry (w.e.f. 01.10.2016)	Puducherry & Karaikal Yanam Mahe	70.00 & 80.00 55.00 120.00
34	Daman & Diu (w.e.f. 01.04.2017)	Skilled Semi skilled Unskilled	303.50 295.50 287.50
35	Sikkim (w.e.f. 01.10.2016)	NA	NA
36	Telangana (w.e.f. 01.04.2017)		244.25-402.40

Source: Ministry of Labour & Employment

VDA: Variable Dearness Allowance, NA: Not Available

18

Livestock

Table 18.1: Livestock Population in India

Species	1951	1956	1961	1966	1972	1977	1982	1987	1992	1997	2003	2007	2012	(Million No.)
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Cattle	155.30	158.70	175.60	176.20	178.30	180.00	192.45	199.69	204.58	198.88	185.18	199.08	190.90	
Buffalo	43.40	44.90	51.20	53.00	57.40	62.00	69.78	75.97	84.21	89.92	97.92	105.34	108.70	
Total Bovines	198.70	203.60	226.80	229.20	235.70	242.00	262.36	275.82	289.00	289.00	283.10	304.76	299.98	
Sheep	39.10	39.30	40.20	42.40	40.00	41.00	48.76	45.70	50.78	57.49	61.47	71.56	65.07	
Goats	47.20	55.40	60.90	64.60	67.50	75.60	95.25	110.21	115.28	122.72	124.36	140.54	135.17	
Horses & Ponies	1.50	1.50	1.30	1.10	0.90	0.90	0.90	0.80	0.82	0.83	0.75	0.61	0.63	
Camels	0.60	0.80	0.90	1.00	1.10	1.10	1.08	1.00	1.03	0.91	0.63	0.52	0.40	
Pigs	4.40	4.90	5.20	5.00	6.90	7.60	10.07	10.63	12.79	13.29	13.52	11.13	10.29	
Mules	0.06	0.04	0.05	0.08	0.08	0.09	0.13	0.17	0.19	0.22	0.18	0.14	0.20	
Donkeys	1.30	1.10	1.10	1.00	1.00	1.02	0.96	0.97	0.88	0.65	0.44	0.32		
Yaks	NC	NC	0.02	0.03	0.04	0.13	0.13	0.04	0.06	0.06	0.06	0.08	0.08	
Total Livestock	292.80	306.60	335.40	344.10	353.60	369.00	419.59	445.29	470.86	485.39	485.00	529.70	512.06	
Poultry	73.50	94.80	114.20	115.40	138.50	159.20	207.74	275.32	307.07	347.61	489.1	648.88	729.21	
Dogs	NC	NC	NC	NC	NC	NC	18.54	17.95	21.77	25.48	16.51	19.09	11.67	
Rabbits	NC	0.48	0.42	0.59										

Source: Department of Animal Husbandry, Dairying & Fisheries.

NC : Not Collected

Note: Totals may not tally due to rounding of figures

Table 18.2: All India Production of Milk, Eggs and Wool

Year	Milk (Million Tonnes)	Eggs (Billion Nos.)	Wool (Million Kgs.)
(1)	(2)	(3)	(4)
1985-86	44.0	16.1	39.1
1986-87	46.1	17.3	40.0
1987-88	46.7	17.8	40.1
1988-89	48.4	18.9	40.8
1989-90	51.4	20.2	41.7
1990-91	53.9	21.1	41.2
1991-92	55.7	21.9	41.6
1992-93	58.0	22.9	38.8
1993-94	60.6	24.2	39.9
1994-95	63.8	25.9	40.6
1995-96	66.2	27.2	42.4
1996-97	69.1	27.5	44.4
1997-98	72.1	28.7	45.6
1998-99	75.4	29.5	46.9
1999-00	78.3	30.4	47.9
2000-01	80.6	36.6	48.4
2001-02	84.4	38.7	49.5
2002-03	86.2	39.8	50.5
2003-04	88.1	40.4	48.5
2004-05	92.5	45.2	44.6
2005-06	97.1	46.2	44.9
2006-07	102.6	50.7	45.1
2007-08	107.9	53.6	43.9
2008-09	112.2	55.6	42.8
2009-10	116.4	60.3	43.1
2010-11	121.8	63.0	43.0
2012-12	127.9	66.5	44.7
2012-13	132.4	69.7	46.1
2013-14	137.7	74.8	47.9
2014-15	146.3	78.5	48.1
2015-16	155.5	82.9	43.6
2016-17	163.7	88.1	43.5
2017-18	176.3	95.2	41.5

Source : Department of Animal Husbandry, Dairying & Fisheries.

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

States/UTs	Milk (000 Tonnes)						Egg (Lakh Nos.)					
	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2012-13	2013-14	2014-15	2015-16		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Andhra Pradesh [#]	12762	13007	9656	10817	12178	13725	222974	227875	130958	141743	158274	177776
Arunachal Pradesh	23	43	46	50	53	54	439	400	417	427	495	550
Assam	800	815	829	843	861	872	4710	4717	4728	4740	4771	4952
Bihar	6845	7197	7775	8288	8711	9242	8372	9308	9845	10021	11117	12185
Chhattisgarh	1164	1209	1232	1277	1374	1469	13704	14330	14732	15028	16638	17718
Goa	61	68	67	54	51	55	458	60	75	352	292	299
Gujarat	10315	11112	11691	12262	12784	13569	14558	15551	16565	17216	17940	17868
Haryana	7040	7442	7901	8381	8975	9809	42343	43591	45790	49133	52139	55855
Himachal Pradesh	1139	1151	1172	1283	1329	1392	1069	1075	1084	812	959	981
Jammu & Kashmir	1631	1615	1951	2273	2376	2460	6715	6649	4958	2309	2305	2334
Jharkhand	1679	1700	1734	1812	1894	2016	4239	4445	4663	4833	5103	5531
Karnataka	5718	5997	6121	6344	6562	7137	36773	41301	43968	47660	50671	55661
Kerala	2791	2655	2711	2650	2520	2576	22375	24769	25036	24425	23444	23481
Madhya Pradesh	8838	9599	10779	12148	13445	14713	8711	9671	11776	14414	16940	19422
Maharashtra	8734	9089	9542	10153	10402	11102	45661	48315	50792	52858	54774	56991
Manipur	80	82	82	79	79	82	1162	1164	1129	1037	992	1018
Meghalaya	81	82	83	84	84	85	1028	1049	1057	1064	1074	

(Contd.)

Table 18.3 (contd.)

States/UTs	Milk ('000 Tonnes)										Egg (Lakh Nos.)			
	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	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)		
Mizoram	14	15	20	22	24	25	352	362	377	391	408	410		
Nagaland	79	81	76	77	79	74	618	223	353	465	397	401		
Odisha	1724	1861	1903	1930	2003	2088	23230	23609	19245	19273	19745	20622		
Punjab	9724	10011	10351	10774	11282	11855	37911	43376	42642	44218	47826	52250		
Rajasthan	13946	14573	16934	18500	19357	22427	10335	11903	13202	13853	13633	14548		
Sikkim	42	46	50	67	54	59	146	99	58	102	68	63		
Tamil Nadu	7005	7049	7132	7244	7556	7742	119334	141235	159253	161252	166824	174161		
Telangana	-	-	4207	4442	4681	4965	-	-	106185	112058	118186	126700		
Tripura	118	130	141	152	160	174	1565	1794	1979	2161	2294	2621		
Uttar Pradesh	23330	24194	25198	26387	27551	29052	17074	18122	20776	21929	22889	24398		
Uttarakhand	1478	1550	1565	1656	1692	1742	3079	3370	3697	3907	4119	4298		
West Bengal	4859	4906	4961	5038	5183	5389	47115	47460	48136	60108	65536	76434		
A&N Islands	21	14	16	15	16	17	741	1193	861	989	1032	1074		
Chandigarh	44	44	44	43	36	42	170	173	169	167	154	160		
D&N Havell*	11	11	9	9	8	8	73	73	73	73	73	73		
Daman & Diu	1	1	1	1	1	1	20	13	19	18	18	5		
Delhi*	287	284	280	281	279	279	-	-	-	0	0	0		
Lakshadweep	2	6	4	3	3	4	140	129	126	144	147	142		
Puducherry	47	47	48	48	48	49	113	113	114	116	114	114		
All India	132431	137686	146314	155491	163694	176347	697307	747519	784839	829294	881386	952169.98		

(Contd.)

Table 18.3 (contd.)

States/UTs	Meat ('000 Tonnes)						Wool ('000 Kgs)					
	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	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)
Andhra Pradesh#	906	935	528	566	633	709	5031	5037	778	789	792	794
Arunachal Pradesh	18	18	19	19	20	21	18	22	24	36	58	60
Assam	37	38	43	45	47	48	-	-	-	-	-	0
Bihar	228	292	294	302	326	343	267	271	278	240	281	298
Chhattisgarh	34	29	38	41	49	55	107	106	116	90	87	82
Goa	8	5	8	8	7	8	-	-	-	-	-	0
Gujarat	35	33	34	34	33	33	2664	2578	2577	2283	2267	2295
Haryana	348	367	381	403	427	470	1370	1390	1429	702	691	693
Himachal Pradesh	4	4	4	4	4	4	1649	1655	1663	1409	1475	1482
Jammu & Kashmir	34	33	45	75	85	87	7681	8710	8371	6866	7266	7489
Jharkhand	45	45	48	51	55	58	159	156	161	166	178	187
Karnataka	166	170	181	197	209	228	8020	7755	8821	8191	6588	4305
Kerala	401	416	446	466	469	469	-	-	-	-	-	0
Madhya Pradesh	43	48	59	70	79	89	442	466	484	442	406	408
Maharashtra	591	605	631	675	845	925	1503	1539	1386	1390	1407	1437
Manipur	25	25	27	26	27	28	-	-	-	-	-	0
Meghalaya	39	40	41	41	43	43	-	-	-	-	-	0
Mizoram	12	12	13	14	15	16	-	-	-	-	-	0
Nagaland	71	67	67	36	31	32	-	-	-	-	-	0

(Contd.)

Table 18.3 (contd.)

States/UTs	Meat ('000 Tonnes)							Wool ('000 Kgs)					
	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Odisha	(1) 141	(2) 154	(3) 163	(4) 165	(5) 177	(6) 183	-	-	-	-	-	-	0
Punjab	212	235	237	250	249	276	558	558	461	473	490	515	
Rajasthan	152	175	181	180	188	14007	15027	14463	13415	14321	14287		
Sikkim	3	3	3	6	4	4	1	1	0	0	0	0	
Tamil Nadu	462	465	492	544	573	603	1	2	1	1	2	2	
Telangana	-	-	505	542	591	645	-	-	4423	4562	4658	4506	
Tripura	32	32	34	37	40	45	-	-	-	-	-	0	
Uttar Pradesh	1137	1221	1397	1418	1346	1151	1456	1473	1494	1265	1286	1300	
Uttarakhand	22	24	26	271	28	29	400	440	469	513	538	564	
West Bengal	648	649	657	686	706	773	722	725	740	748	753	758	
A&N Islands	0	2	5	5	5	5	-	-	-	-	-	0	
Chandigarh	1	1	1	1	1	1	-	-	-	-	-	0	
D& N Haveli [#]	0	0	0	0	0	-	-	-	-	-	-	0	
Daman & Diu	0	0	1	1	1	0	-	-	-	-	-	0	
Delhi [*]	81	77	70	70	66	66	-	-	-	-	-	0	
Lakshadweep	0	0	0	1	0	0	-	-	-	-	-	0	
Puducherry	14	14	14	15	15	15	-	-	-	-	-	0	
All India	5948	6235	6691	7020	7386	7655.63	46055	47909	48140	43581	43544	41462.71	

Source: Department of Animal Husbandry, Dairying & Fisheries.
[#] Till 2013-14 the figures of Andhra Pradesh includes Telangana
^{*} Not Available/Not Received * previous year data used

19

Fish Production

Table 19.1: Fish Production in India

Year	Marine	Inland	Total ('000 Tonnes)
(1)	(2)	(3)	(4)
1950-51	534	218	752
1955-56	596	243	839
1960-61	880	280	1160
1965-66	824	507	1331
1970-71	1086	670	1756
1973-74	1210	748	1958
1978-79	1490	816	2306
1979-80	1492	848	2340
1980-81	1555	887	2442
1981-82	1445	999	2444
1982-83	1427	940	2367
1983-84	1519	987	2506
1984-85	1698	1103	2801
1985-86	1716	1160	2876
1986-87	1713	1229	2942
1987-88	1658	1301	2959
1988-89	1817	1335	3152
1989-90	2275	1402	3677
1990-91	2300	1536	3836
1991-92	2447	1710	4157
1992-93	2576	1789	4365
1993-94	2649	1995	4644
1994-95	2692	2097	4789
1995-96	2707	2242	4949
1996-97	2967	2381	5348
1997-98	2950	2438	5388

(Contd.)

Table 19.1 (contd.)

Year (1)	Marine (2)	Inland (3)	Total (4)
1998-99	2696	2602	5298
1999-00	2852	2823	5675
2000-01	2811	2845	5656
2001-02	2830	3126	5956
2002-03	2990	3210	6200
2003-04	2941	3458	6399
2004-05	2779	3526	6305
2005-06	2816	3756	6572
2006-07	3024	3845	6869
2007-08	2920	4207	7127
2008-09	2978	4638	7616
2009-10	3104	4894	7998
2010-11	3250	4981	8231
2011-12	3372	5294	8666
2012-13	3321	5719	9040
2013-14	3443	6136	9579
2014-15	3569	6691	10260
2015-16	3600	7162	10762
2016-17 (P)	3641	7781	11422
2017-18 (P)	3688	8917	12606

Source: Department of Animal Husbandry Dairying & Fisheries

P: Provisional

Table 19.2: State-wise Production of Fish

S. No.	State/UTs	2015-16			2016-17 (P)			2017-18 (P)			(Tonnes) (10)
		Inland (2)	Marine (3)	Total (4)	Inland (5)	Marine (6)	Total (7)	Inland (8)	Marine (9)	Total (10)	
1	Andhra Pradesh	1831989	520274	2352263	2185950	580243	2766193	2844608	604950	3449558	
2	Arunachal Pradesh	4050	0	4050	4110	0	4110	4250	0	4250	
3	Assam	294200	0	294200	306600	0	306600	327263	0	327263	
4	Bihar	506887	0	506887	510000	0	510000	587850	0	587850	
5	Chhattisgarh	342299	0	342299	376801	0	376801	457167.2	0	457167.2	
6	Goa	4842	107069	111911	4337	113557	117894	5542	119065	124607	
7	Gujarat	112232	697328	809560	113272	698832	812104	118425	700643	819068	
8	Haryana	121000	0	121000	144209.9	0	144209.9	190000.9	0	190000.9	
9	Himachal Pradesh	11799	0	11799	12478.51	0	12478.51	12765.36	0	12765.36	
10	Jammu & Kashmir	20080	0	20080	18800	0	18800	20700	0	20700	
11	Jharkhand	115995	0	115995	145162	0	145162	190000	0	190000	
12	Karnataka	168828	411742	580570	158564	398927.7	557491.7	188174.2	414348	602522.2	
13	Kerala	210762	516745	727507	161441	447283	608724	148279	414342	562621	
14	Madhya Pradesh	115017	0	115017	138693.91	0	138693.91	143419.7	0	143419.7	
15	Maharashtra	145570	434115	579685	200166	462747	662913	131020	474992	606012	
16	Manipur	32035	0	32035	31995	0	31995	33000	0	33000	
17	Meghalaya	11343	0	11343	12330	0	12330	11961	0	11961	

(Contd.)

Table 19.2 (contd.)

S. No.	State/UTs	2015-16			2016-17 (P)			2017-18 (P)		
		Inland	Marine	Total	Inland	Marine	Total	Inland	Marine	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
18	Mizoram	6828	0	6828	7630	0	7630	7643.35	0	7643.35
19	Nagaland	8220	0	8220	8605	0	8605	8990.5	0	8990.5
20	Odisha	376524	144755	521279	454998	153102	608100	534124	150838	684962
21	Punjab	120088	0	120088	112128.5	0	112128.5	136638.5	0	136638.5
22	Rajasthan	42461	0	42461	50199.55	0	50199.55	54035.34	0	54035.34
23	Sikkim	402	0	402	400	0	400	380	0	380
24	Tamil Nadu	242559	466604.1	709163.11	197304.2	472004.3	669308.5	215148.4	496888.5	712036.9
25	Telengana	236752	0	236752	198920	0	198920	270037	0	270037
26	Tripura	69055	0	69055	72450	0	72450	76800	0	76800
27	Uttarakhand	4138	0	4138	4297.19	0	4297.19	4578.53	0	4578.53
28	Uttar Pradesh	504808	0	504808	617694	0	617694	628749.1	0	628749.1
29	West Bengal	1493217	178203	1671420	1525289	176526	1701815	1556608	185484	1742092
30	A and N Islands	200	37125	37325	226	38581	38807	220	39284	39504
31	Chandigarh	128	0	128	128.24	0	128.24	136	0	136
32	D&Nagar Haveli	0	0	0	0	0	0	0	0	0
33	Daman and Diu	482	22549	23031	615.1	23403.56	24018.66	408.3	24271.77	24680.07
34	Delhi	710	0	710	720	0	720	801	0	801
35	Lakshadweep	0	15938.46	15938.46	0	29796	29796	0	20774	20774
36	Puducherry	6562.9	47245	53807.9	4324.77	45927.05	50251.82	7440.7	42482.01	49922.71
	All India	7162063	3599693	10761755	7780839.9	3640930	11421769	8917164	3688362	12605526

Source: Department of Animal Husbandry Dairying & Fisheries
P: Provisional

20

Rainfall Scenario and Management of Natural Disasters

20.1 : Rainfall Status

Rainfall in 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

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 - December 2018 (upto 4th Dec., 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.

Table 20.2: Performance of South West Monsoon during 1989 to 2018

(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)
1989	29	6	72	101
1990	32	3	88	119
1991	27	8	68	91
1992	32	3	65	93
1993	31	4	78	100
1994	25	10	77	110
1995	33	2	79	100
1996	32	3	82	103
1997	32	3	81	102
1998	33	2	83	106
1999	28	7	67	96
2000	28	7	66	92
2001	30	5	68	92
2002	15	21	39	81
2003	33	3	77	102
2004	23	13	56	87
2005	32	4	72	99
2006	26	10	59	100
2007	31	5	72	106
2008	33	3	76	98
2009	14	22	41	77
2010	31	5	69	102
2011	33	3	76	101
2012	23	13	58	92
2013	30	6	72	106
2014	24	12	55	88
2015	19	17	51	86
2016	27	9	68	97
2017	30	6	66	95
2018	24	12	62	91

Source: Directorate of Economics & Statistics, DAC&FW

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

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

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

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

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

Table 20.3: All India rainfall distribution from 1992-93 to 2018-19

Year	Monsoon Season (June-September)				Post-Monsoon* (October-December)				Winter Season (January-February)				Pre-monsoon Season (March-May)				Overall Rainfall (June-May) (In Millimeters)			
	Actual	Normal	%Dep.	Actual	Normal	%Dep.	Actual	Normal	%Dep.	Actual	Normal	%Dep.	Actual	Normal	%Dep.	Actual	Normal	%Dep.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)					
1992-93	830.7	899.2	-7.6	106.5	114.1	-6.7	37.9	41.0	-7.6	116.5	121.3	-4.0	1091.6	1175.6	-7.1					
1993-94	902.1	908.9	-0.7	131.6	119.6	10.0	44.5	40.8	9.1	106.1	123.3	-13.9	1184.3	1192.6	-0.7					
1994-95	999.2	906.8	10.2	121.5	119.6	1.6	53.1	41.1	29.2	123.5	123.2	0.2	1297.3	1190.7	9.0					
1995-96	904.5	904.7	0.0	117.8	119.9	-1.8	37.4	40.8	-8.3	94.9	123.9	-23.4	1154.6	1189.3	-2.9					
1996-97	927.6	905.7	2.4	128.0	120.8	6.0	21.0	40.6	-48.3	118.9	123.2	-3.5	1195.5	1190.3	0.4					
1997-98	927.4	908.6	2.1	187.7	119.5	57.1	44.1	41.9	5.3	132.3	128.3	3.1	1291.5	1198.3	7.8					
1998-99	945.2	903.6	4.6	178.8	121.8	46.8	28.4	42.8	-33.6	123.1	130.6	-5.7	1275.5	1198.8	6.4					
1999-00	866.9	903.2	-4.0	144.7	121.8	18.8	43.1	42.5	1.4	128.8	129.5	-0.5	1183.5	1197.0	-1.1					
2000-01	833.7	902.3	-7.6	64.1	121.7	-47.3	16.2	42.2	-61.6	129.7	129.3	0.3	1043.7	1195.5	-12.7					
2001-02	826.0	901.1	-8.3	137.7	121.7	13.1	35.0	41.2	-15.0	121.5	132.0	-8.0	1120.2	1196.0	-6.3					
2002-03	737.1	911.7	-19.2	83.4	123.7	-32.6	53.2	38.3	38.9	107.7	131.7	-18.2	981.4	1205.4	-18.6					
2003-04	947.3	902.7	4.9	134.6	125.0	7.7	34.5	39.2	-12.0	161.6	129.6	24.7	1278.0	1196.5	6.8					
2004-05	779.6	893.3	-12.7	111.8	125.7	-11.1	69.8	43.8	59.0	124.7	134.5	-7.3	1085.9	1197.3	-9.3					
2005-06	879.3	892.5	-1.0	138.4	125.8	10.0	27.8	43.9	-37.0	139.9	134.6	3.9	1185.4	1196.8	-1.0					
2006-07	886.6	892.2	-0.6	99.3	125.9	-21.1	34.3	43.8	-21.7	112.8	133.6	-15.6	1133.0	1195.5	-5.2					

(Contd.)

Table 20.3 (contd.)

Year	Monsoon Season (June-September)				Post-Monsoon* (October-December)				Winter Season (January-February)				Pre-monsoon Season (March-May)				Overall Rainfall (June-May)			
	Actual	Normal	%Dep.	Actual	Normal	%Dep.	Actual	Normal	%Dep.	Actual	Normal	%Dep.	Actual	Normal	%Dep.	Actual	Normal	%Dep.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)					
2007-08	936.9	892.2	5.0	85.4	125.9	-32.2	42.6	43.2	-1.4	115.3	133.5	-13.6	1180.2	1194.8	-1.2					
2008-09	873.2	892.2	-2.1	87.2	125.9	-30.7	23.6	43.8	-46.1	91.0	134.5	-32.3	1075.0	1196.4	-10.1					
2009-10	689.8	892.2	-22.7	135.5	125.9	7.6	24.6	43.8	-43.8	122.9	133.7	-8.1	972.8	1195.6	-18.6					
2010-11	912.8	893.2	2.2	153.2	126.3	21.3	31.9	40.9	-22.0	114.4	131.3	-12.9	1212.3	1191.7	1.7					
2011-12	899.9	887.5	1.4	65.7	127.2	-48.3	38.8	40.9	-5.1	90.3	131.3	-31.2	1094.7	1186.9	-7.8					
2012-13	819.5	886.9	-7.6	100.6	127.2	-20.9	51.4	40.9	25.7	101.9	131.3	-22.4	1073.4	1186.3	-9.5					
2013-14	936.7	886.9	5.6	149.5	127.2	17.5	46.2	40.9	13.0	130	131.3	-1.0	1262.4	1186.3	6.4					
2014-15	777.5	886.9	-12.3	85.2	127.2	-33.0	37.6	41.4	-9.2	181.5	131.5	38.0	1081.8	1187.0	-8.9					
2015-16	760.6	887.5	-14.3	97.8	127.2	-23.1	17.9	41.4	-56.8	131.0	131.5	-0.4	1007.3	1187.6	-15.2					
2016-17	862.0	887.5	-2.9	69.7	127.2	-45.2	39.3	41.4	-5.1	128.4	131.5	-2.4	1099.4	1187.6	-7.4					
2017-18	841.3	887.5	-5.2	112.7	127.2	-11.4	15.4	41.4	-62.8	117	131.5	-11.0	1086.4	1187.6	-8.5					
2018-19	804.0	887.5	-9.4	56.8	112.8	-49.6														

Source: Directorate of Economics & Statistics, DAC&FW

* Till 04.12.2018.

Table 20.4: Broad region-wise Monsoon (June-September) Rainfall Distribution from 2005 to 2018

Year	North-West India				Central India				South Peninsula				East & North-East India			
	Actual	Normal	% Departure	Actual	Normal	% Departure	Actual	Normal	% Departure	Actual	Normal	% Departure	Actual	Normal	% Departure	Actual
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
2005	552.1	611.6	-10	1094.9	993.2	10	808.9	722.6	12	1140.9	1430.7	-20				
2006	573.7	611.6	-6	1152.2	993.9	16	684.6	722.6	-5	1177.6	1427.3	-17				
2007	520.8	611.6	-15	1073.8	993.9	8	907.3	722.6	26	1485.9	1427.3	4				
2008	651.7	611.6	7	956.9	993.9	-4	692.5	722.6	-4	1346.0	1427.3	-6				
2009	392.1	611.6	-36	794.8	993.9	-20	693.0	722.6	-4	1037.7	1427.3	-27				
2010	688.2	613.0	12	1027.9	991.5	4	853.6	722.9	18	1175.8	1436.2	-18				
2011	654.8	615.0	7	1073.6	975.5	10	715.2	715.5	0	1233.6	1438.3	-14				
2012	569.3	615.0	-7	934.6	974.2	-4	644.0	715.7	-10	1275.3	1437.8	-11				
2013	671.8	615.0	9	1195.3	974.2	23	825.6	715.7	15	1037.9	1437.8	-28				
2014	483.1	615.0	-21	879.7	974.2	-10	665.4	715.7	-7	1267.7	1437.8	-12				
2015	510.6	615.0	-17	815.5	975.5	-16	605.7	716.1	-15	1317.5	1438.3	-8				
2016	584.2	615.0	-5	1034.1	975.5	6	661.5	716.1	-8	1281.5	1438.3	-11				
2017	552.9	615.0	-10	918.8	975.5	-6	717.6	716.1	0	1386.4	1438.3	-4				
2018	603.2	615.0	-2	911.3	975.5	-7	704.4	716.1	-2	1087.5	1438.3	-24				

Source: Directorate of Economics & Statistics, DAC&FW

Table 20.5 : Rainfall in 2018

S. No.	Meteorological Sub-Divisions	Total Rainfall in Winter-2018				Total Rainfall in pre-Monsoon-2018				Total Rainfall in Monsoon-2018				Total Rainfall in post-Monsoon-2018				Total Rainfall in 2018 (Jan. to Dec.)			
		Normal (cms)	Actual (cms)	Deviation (%)	Normal (cms)	Actual (cms)	Deviation (%)	Normal (cms)	Actual (cms)	Deviation (%)	Normal (cms)	Actual (cms)	Deviation (%)	Normal (cms)	Actual (cms)	Deviation (%)	Normal (cms)	Actual (cms)	Deviation (%)		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)					
1	A & N Islands	8.3	20.4	145	46.5	48.4	4	168.3	156.9	-7	57.5	56.6	-2	280.5	282.3	1					
2	Arunachal Pradesh	14.8	9.9	-33	75.0	50.8	-32	176.8	119.8	-32	23.3	11.9	-49	289.9	192.4	-34					
3	Assam & Meghalaya	4.7	2.0	-57	59.0	45.2	-23	179.3	132.3	-26	18.5	6.4	-65	261.5	185.9	-29					
4	Naga-Mani., Mizo. & Tripura	4.4	1.3	-72	49.4	46.2	-7	149.7	125.8	-16	23.1	9.4	-59	226.6	182.7	-19					
5	Sub-Himalayan, WB & Sikkim	6.0	1.7	-72	45.7	46.7	2	200.6	174.1	-13	17.6	8.3	-53	270.0	230.8	-15					
6	Gangetic West Bengal	3.4	0.1	-97	16.5	16.5	0	116.8	93.7	-20	15.3	7.1	-54	152.0	117.4	-23					
7	Odisha	3.2	0.0	-99	13.5	16.3	21	115.0	129.0	12	14.0	12.1	-14	145.7	157.5	8					
8	Jharkhand	3.3	0.4	-88	7.9	8.3	5	109.2	78.4	-28	8.6	2.4	-72	129.1	89.6	-31					
9	Bihar	2.3	0.0	-98	7.8	5.8	-25	102.8	77.1	-25	7.2	1.8	-76	120.0	84.7	-29					
10	East U.P.	2.9	0.5	-84	3.2	3.4	7	89.8	75.8	-16	5.4	0.0	-99	101.3	79.7	-21					
11	West U.P.	3.3	0.7	-80	2.9	2.6	-10	76.9	77.5	1	4.7	0.7	-85	87.9	81.5	-7					
12	Uttarakhand	10.6	3.4	-68	15.6	13.6	-13	122.9	119.4	-3	6.9	2.4	-66	156.1	138.8	-11					

(Contd.)

Table 20.5 (contd.)

S. No.	Sub-Divisions	Total Rainfall in Winter-2018				Total Rainfall in pre-Monsoon-2018				Total Rainfall in Monsoon-2018				Total Rainfall in post-Monsoon-2018				Total Rainfall in 2018 [Jan. to Dec.]	
		Meteorological	Normal (cms)	Actual (cms)	Deviation (%)	Normal (cms)	Actual (cms)	Deviation (%)	Normal (cms)	Actual (cms)	Deviation (%)	Normal (cms)	Actual (cms)	Deviation (%)	Normal (cms)	Actual (cms)	Deviation (%)	(16)	(17)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)			
13	Haryana, Chd. and Delhi	3.3	1.0	-68	3.4	2.2	-36	46.6	42.3	-9	2.3	0.5	-79	55.6	46.0		-17		
14	Punjab	5.0	2.4	-51	5.4	2.5	-53	49.2	52.7	7	2.8	0.7	-76	62.3	58.3		-6		
15	Himachal Pradesh	19.6	5.5	-72	24.5	14.1	-42	82.5	91.7	11	6.5	4.9	-24	133.0	116.2		-13		
16	Jammu & Kashmir	21.3	8.0	-63	32.6	24.1	-26	53.5	59.7	12	7.5	10.0	33	114.9	101.7		-11		
17	West Rajasthan	0.7	0.0	-97	1.9	0.5	-75	26.3	20.2	-23	0.8	0.1	-94	29.8	20.7		-30		
18	East Rajasthan	1.1	0.0	-99	1.7	0.7	-60	61.6	63.5	3	2.5	0.1	-94	66.8	64.4		-4		
19	West Madhya Pradesh	1.4	0.3	-76	1.4	0.5	-67	87.6	83.8	-4	4.7	0.2	-96	95.0	84.7		-11		
20	East MP	3.5	2.0	-44	2.5	1.5	-41	105.1	91.9	-13	4.9	0.2	-97	116.1	95.5		-18		
21	Gujarat Region	0.1	0.0	-100	0.7	0.0	-97	91.5	69.6	-24	3.3	0.1	-98	95.6	69.7		-27		
22	Saurashtra, Kutch & Diu	0.0	0.0	-99	0.4	0.0	-96	47.8	31.6	-34	2.9	0.1	-97	51.1	31.7		-38		
23	Konkan & Goa	0.0	0.0	-99	3.7	2.4	-35	291.5	288.3	-1	14.4	6.5	-55	309.6	297.3		-4		
24	Madhya Maharashtra	0.2	0.0	-94	3.8	1.6	-58	72.9	66.5	-9	10.3	3.8	-63	87.2	72.0		-17		
25	Marathawada	0.7	0.7	2	3.0	1.5	-50	68.3	53.5	-22	9.5	1.6	-83	81.5	57.3		-30		

(Contd.)

Table 20.5 (contd.)

S. No.	Meteorological Sub-Divisions	Total Rainfall in Winter-2018				Total Rainfall in pre-Monsoon-2018				Total Rainfall in Monsoon-2018				Total Rainfall in post-Monsoon-2018				Total Rainfall in 2018 (Jan. to Dec.)	
		Normal (cms)	Actual (cms)	Deviation (%)	Normal (cms)	Actual (cms)	Deviation (%)	Normal (cms)	Actual (cms)	Deviation (%)	Normal (cms)	Actual (cms)	Deviation (%)	Normal (cms)	Actual (cms)	Deviation (%)	(16)	(17)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)			
26	Vidarbha	1.7	2.0	18	3.1	1.8	-42	95.5	87.5	-8	7.5	0.2	-98	107.8	91.5	-15			
27	Chhattisgarh	2.1	1.3	-39	4.7	5.7	22	115.3	110.2	-4	7.4	0.4	-94	129.5	117.5	-9			
28	Coastal Andhra Pradesh	1.9	0.0	-99	9.7	9.7	-1	58.1	58.1	0	30.4	9.1	-70	100.1	76.9	-23			
29	Telangana	1.1	0.3	-78	5.7	6.8	20	75.5	74.1	-2	11.4	1.9	-84	93.7	83.0	-11			
30	Rayalseema	0.7	0.5	-30	8.2	8.8	7	39.8	25.3	-37	20.1	8.1	-60	68.8	42.6	-38			
31	Tamil Nadu & Pondicherry	3.1	1.7	-46	12.8	15.9	24	31.7	29.1	-8	36.7	31.9	-13	84.4	78.5	-7			
32	Coastal Karnataka	0.1	0.0	-81	17.9	33.5	87	308.4	306.0	-1	25.2	17.3	-32	351.6	356.8	1			
33	North Interior Karnataka	0.4	0.2	-49	8.5	12.5	47	50.6	35.8	-29	14.0	4.7	-66	73.5	53.2	-28			
34	South Interior Karnataka	0.4	0.3	-28	14.5	23.6	63	66.0	68.7	4	19.9	11.9	-40	100.9	104.5	4			
35	Kerala	2.4	1.7	-30	38.0	52.2	38	204.0	251.7	23	45.1	43.7	-3	289.5	349.4	21			
36	Lakshadweep	3.6	1.3	-64	23.2	58.1	150	99.9	55.3	-45	28.4	25.7	-10	155.1	140.3	-10			
All-India (Area Weighted)		4.1	1.5	-63	13.2	11.7	-11	88.8	80.4	-9	11.3	5.7	-50	117.3	99.3	-15			

Source: Directorate of Economics & Statistics, DAC&FW
Winter - (Jan - Feb) Pre-Monsoon (March - May)

Monsoon - (June - Sept.)

Post-Monsoon - (Oct- Dec)

Table 20.6: Brief History of Most Intense Cyclones from 1970 to 2017

S. No.	Name of Cyclone	Date and Year	Intensity (T-Number)	Observed/Estimated Max. Wind	Damage
(1)	(2)	(3)	(4)	(5)	(6)
I. Over the Arabian Sea					
1	Severe Cyclonic Storm over the Arabian sea	October 19-24 1975	N/A	180 Knots 74 Kmph	85 people died in the districts of Junagadh, Jamnagar and Rajkot of Gujarat state. This cyclone caused considerable damage estimated to be about ₹ 75 Crores.
2	Severe Cyclonic Storm over the Arabian sea	May 31 - June 5 1976	N/A	90 Knots 167 Kmph	This cyclone caused damage which was estimated to be about ₹ 3 Crores. 4 Burges each containing ₹ 5 lakh and 6 fishing boats were swept away. Mahasana, Bhavnagar, Kaira, Panchmahal, Rajkot and Bharoch districts of Gujarat state were most affected areas.
3	Severe Cyclonic Storm over the Arabian sea	November 13 - 23 1977	T 5.5 (As per US satellite)	90 Knots 167 Kmph	Kerala and Lakshadweep were most affected areas due to this storm. People killed - 72, Houses damaged -8400 and 620 fishing vessels damaged in Kerala coast. Total loss was estimated to be about ₹ 10 crores.
4	Gujarat Cyclone	November 5 - 13 1978	N/A	278 Kmph	Damage to property reported.
5	Severe Cyclonic Storm over the Arabian sea	October 28 - November 3, 1981	T - 4.0 (as per US satellite)	65 Knots 120 Kmph	Junagadh, Rajkot and Jamnagar of Gujarat state were most affected areas, Total loss of damage to property was estimated to be about ₹ 52 Crores.
6	Severe Cyclonic Storm over the Arabian sea	November 4-9, 1982	N/A	N/A	Saurashtra Coast of Gujarat about 45 km east of Veraval was affected very much by this storm. 507 people died and 1.5 lakh livestock perished.
7	Severe Cyclonic Storm over the Arabian sea	November 4-9, 1982	T-4.0	50 Knots 93 Kmph	50 fishermen were reported missing in Gujarat Coast.

(Contd.)

Table 20.6 (contd.)

S. No.	Name of Cyclone	Date and Year	Intensity (T-Number)	Observed/ Estimated Max. Wind	Damage
(1)	(2)	(3)	(4)	(5)	(6)
8	Severe Cyclonic Storm over the Arabian sea	June 17-20, 1996	T-3.5	60 Knots 111 Kmph	19 Districts of Gujarat State were affected. 33 people died. Total estimated loss was ₹ 1803.52 lakh.
9	Severe Cyclonic Storm over the Arabian sea	October 23-28, 1996	T-4.0	60 Knots 111 Kmph	As the system did not cross the coast no significant damage was reported.
10	Very severe Cyclonic Storm over the Arabian sea	June 4-10, 1998	T-5.0	90 Knots 167 Kmph	Gujarat & Rajasthan states were affected. Porbander of Gujarat state was the most affected area. Loss incurred due to storm was estimated to be about ₹ 1855.38 Crores in Kandla. Number of lives lost 1173 and number of persons missing 1774 in Gujarat.
11	Very severe Cyclonic Storm over the Arabian sea	May 16-22, 1999	T-5.5	55 Knots 102 Kmph	This system caused severe damage in Kutch and Jamnagar districts of Gujarat. 453 people died. Loss of property was estimated to be about ₹ 80 crores. In Rajasthan one person died and 5104 cattle heads perished. 5132 houses were partially damaged.
12	Severe Cyclonic Storm over Arabian sea	May 5-10, 2004	3.5	Weakened over sea	Widespread damage caused at Lakshadweep. Several houses damaged due to wind, sea wave, falling of trees and floods. 45 houses, 35 boats and small mechanized cargo ships lost in sea near land. 16 boats reported sunk and cargo boat damaged. Sea erosion reported over Kerala and 9 people dead and 17 people missing. Total loss worth ₹ 30 crores.
13	Severe Cyclonic" Storm MUKDA" over Arabian sea	September 21- 24, 2006	3.5	55 Knots 102 Kmph	No damage as dissipated over the Arabian Sea.
14	Super cyclone "GONU"	01-07 June 2007	T-6.5	127 knots	The system crossed Makaran coast and hence there was no damage in India

(Contd.)

Table 20.6 (contd.)

S. No.	Name of Cyclone	Date and Year	Intensity (T-Number)	Observed/ Estimated Max. Wind	Damage
(1)	(2)	(3)	(4)	(5)	(6)
15	Cyclonic storm "YEMYIN"	25 - 26 June 2007	T - 2.5	35 knots	The cyclone crossed Pakistan coast and hence there was no damage in India
16	Cyclonic Storm PHYAN (Arabian sea)	9-12 Nov. 2009	3.0	45 Knots 83 Kmph	According to State Govt. and news agencies reports, it caused damage to lives, crops and properties in Goa and Konkan region especially in Ratnagiri, Sindhudurg, Raigarh and Thane districts. About 1000 houses damaged, seven persons died and about 44 fishermen missing.
17	Cyclonic Storm WARD (Arabian sea)	10-15 Dec.2009	3.0	45 Kts (83 Kmph)	No damage over India.
18	Cyclonic Storm Bandu	May 19 -23 2010	2.5	40 knots	
19	Cyclonic Storm Phet	May 31 - 07 June 2010	4.5	85 knots	
20	Cyclonic Storm "KEILA"	29th October to 4th November, 2011	T 2.5	35 kts (65 kmph)	No damages over India.
21	Cyclonic Storm "NANAUK"	10th June to 14th June, 2014	T 3.0	45 kts (83 kmph)	No damages over India.
22	Very severe Cyclonic Storm 'NILOFAR'	25th October to 31st October, 2014	T 5.5	110 kts (204 kmph)	No damages over India.
23	Cyclonic Storm "Ashobaa"	7-12 June, 2015	T 3.0	45 Knots	Dissipated over Northwest Arabian Sea as a well-marked low pressure at 1200 UTC on 12.06.2015. No damage occurred over India due to this system.

(Contd.)

Table 20.6 (contd.)

S. No.	Name of Cyclone	Date and Year (T-Number)	Intensity	Observed/ Estimated Max. Wind	Damage
(1)	(2)	(3)	(4)	(5)	(6)
24	Extremely severe Cyclonic Storm "Chapala"	28th Oct. 2015	T 6.0	115 Knots	5 persons were killed in Socotra Island. It caused widespread damage as it brushed past Socotra Island. Of yemen on 3.11.15 between 0100-0200 UTC [14.10 N. 48.650 E]. More than 50,000 people in Yemen including about 18,000 in Socotra Island were displaced due to this cyclone. No damage occurred over India due to this system.
25	Extremely severe Cyclonic Storm "Megh"	5-10 November, 2015	T 5.0	95 Knots	Crossed Yemen coast at lat.13.40 N, 46.10E. 18 deaths and dozens were injured in Yemen. More than 500 houses were completely destroyed and another 3000 were damaged. Hundreds of fishing boats were damaged and more than 3000 families were displaced in Yemen. No damage occurred over India due to this system.
'II. Over the Bay of Bengal'					
1	Bangladesh (Chittagong)	November 12- 13, 1970	N/A	224 Kmph	30,00,000 people died
2	Balasore (Odisha)	October 26-31, 1971	N/A	185 Kmph	10,000 people died and 1 million people rendered homeless.
3	Andhra Cyclone	November 14- 20, 1977	N/A	259 Kmph	8547 People died. Strom surge height 5 m.
4	Sri Harikota (A.P.)	November 9-14, 1984	T-6.0	213 Kmph	604 people died.
5	Indo-Bangladesh Border	November 24- 30, 1988	T-6.0	213 Kmph	2000 people died. 6000 people missing in Bangladesh.
6	Kavali (A.P.)	November 1-9, 1989	T-6.5	235 Kmph	69 people died.
7	Machilipatnam (A.P.)	May 4-9, 1990	T-6.5	235 Kmph	967 people died.

(Contd.)

Table 20.6 (contd.)

S. No.	Name of Cyclone	Date and Year	Intensity (T-Number)	Observed/Estimated Max Wind	Damage
(1)	(2)	(3)	(4)	(5)	(6)
8	Bangladesh (Chittagong)	April 25-30, 1991	T-6.5	235 Kmph	1,38,882 people died. 1,39,054 people injured.
9	Bangladesh (Teknaf)	April 24- May 2, 1994	T-6.0	215 Kmph	184 people killed
10	Bangladesh (Teknaf)	May 15-19, 1997	T-6.0	230 Kmph As reported by Bangladesh Met. Office	155 people died. 9663 people injured.
11	Gopalpur Cyclone (Odisha)	October 15-19, 1999	T-5.0	170 Kmph	198 people died. 402 persons injured.
12	Super Cyclone (Odisha)	October 25-31, 1999	T-7.0	260 Kmph	9887 people died. 129.22 lakh people affected.
13	Very severe Cyclonic Storm over the bay of Bengal	November 26- 30 ,2000	T- 5.5	102 Knots 189 kmph	Two states viz., Tamil Nadu and Puducherry were mainly affected by this storm. The loss was mainly due to crop damage. Uprooting of big trees and partial damages to more than one thousand kuchha houses. 30,000 Plantain trees and 50,000 Plantain saplings got destroyed and 30,000 trees were uprooted in Tamil Nadu state. In Puducherry two persons lost their lives. Damage to paddy crops, plantains, coconut plantation were the major losses in Puducherry.
14	Very severe Cyclonic Storm over the bay of Bengal	December 23- 28, 2000	T- 5.0	90 Knots 167 Kmph	Three districts of Tamil Nadu state were affected by this storm in the Ramanathapuram district, 350 houses were damaged in Thirunelveli. Houses damaged - 318. In Tutocorin houses damaged-318. Fishing boats lost - 95, loss to crops - 281 hectares of paddy, 650 hectares of plantain and 80 hectares of betel destroyed.

(Contd.)

Table 20.6 (contd.)

S. No.	Name of Cyclone	Date and Year	Intensity (Fr-Number)	Observed/Estimated Max Wind	Damage
(1)	(2)	(3)	(4)	(5)	(6)
15	Cyclonic Storm over Bay of Bengal	October 14-17, 2001	2.5	35 Knots 65 kmph	108 people dead, 21 people missing, damage to crops about 125000 Hectares and 55747 house damaged in Andhra Pradesh.
16	Severe Cyclonic Storm over Bay of Bengal	November 10-12, 2002	3.5	55 Knots 102 kmph	Two travelers damaged and 18 people died in Odisha and another two trawlers missing. In West Bengal 2 people died.
17	Severe Cyclonic Storm over Bay of Bengal	December 11-16, 2003	3.5	55 Knots 102 kmph	81 people dead in Andhra Pradesh, 1637 Building destroyed completely 7453 Building partially damaged 61898.5 hectares of Agricultural land damaged. Loss of property to the tune of ₹ 23903.13 Lakh. No of villages electric failure are 2000 and telecommunication disruption are in 41 villages.
18	Cyclonic Storm "PYARR" over Bay of Bengal	September 17-21, 2005	T-2.5	35 Knots 65 kmph	Damages reported in Andhra Pradesh are as follows Number of Human deaths -1 , Number of livestock died - 291 , Buildings partly / completely destroyed -12041, (estimated cost ₹ 177.28 lakhs) , Crop loss - 4,82,188 hectares (estimated cost ₹ 627.74 lakhs), Total loss estimated by Government - ₹ 5029.82 lakhs.
19	Cyclonic storm "BAAZ" over Bay of Bengal	November 28- December- 02, 2005	T-3.0	45 Knots 83 Kmph	According to press reports, heavy rain caused floods in Nellore, Chittoor and Cuddapah districts of Andhra Pradesh. Number of deaths - 11 (Nellore 7, Chittoor 3 Cuddapah 1), Number of tanks breached - 27 (Nellore district), Many villages were reported to be marooned in the above districts.
20	The Very Severe Cyclonic Storm "Mala" over the Bay of Bengal	May 25- 30, 2006	5.5	100 Knots 185 Kmph	It crossed the coast of Myanmar and hence there was no damage in India.

(Contd.)

Table 20.6 (contd.)

S. No.	Name of Cyclone	Date and Year (Tr-Number)	Intensity (T-Number)	Estimated Max Wind	Observed/ Estimated Max Wind	Damage
(1)	(2)	(3)	(4)	(5)	(6)	
21	Cyclonic Storm 'OGNI' over Bay of Bengal	October 29-30, 2006	2.5	35 Knots 65 Kmph	Andhra Pradesh Loss of life : 24 Livestock : 3,61,553 Loss of crops:1,99,986 acres Villages submerged : 900 Damage to houses (fully) : 26,853 Damage to houses (partly): 73,218 Total loss : ₹ 21,601 lakhs.	
22	Cyclonic storm 'AKASH'	13 -15 May 2007	T- 6.0	115 knots	The system crossed Bangladesh coast and hence there was no damage in India	
23	Very severe cyclonic storm "SIDR"	11 - 16 November 2007	T - 6.0	115 knots	The system crossed Bangladesh coast. However, one person died. 46 Villages and thousands of people were affected in west Bengal. Crops were damaged in thousands of hectares of land. There was disruption of electricity supply in the coastal belt of West Bengal due to breaking of dam over Bidyadharí river. Extensive areas were flooded near Gajikhali and Kheeghat. Some houses were partially/ totally damaged in Mizoram. Shillong road was also affected at several places.	
24	Nargis	27th April to 3rd May 2008	T - 5.0	Estimated 90 kts/167 kmph (As per news paper 190 kmph)	As the system moved away from Indian coast there was no damage reported from India.	
25	Rashmi	25th to 27th October 2008	T - 3.0	50 Knots 93 Kmph	Significant damage was reported over northeastern states. Numbers of human death wear 5 from Meghalaya and 8 from Arunachal Pradesh. The death was due to landslide caused by incessant rain along with strong wind. One person was washed away by surging water of the wahumkrah river. Incessant rain and wind uprooted most of the electric posts in shillong. According to Assam electricity Board the uprooted trees snapped trees snapped the power supply lines causing damage to power transmission. Due to severe thunder squall and continuous heavy rain, vast areas of Tawang and Bomdila	

(Contd.)

Table 20.6 (contd.)

S. No.	Name of Cyclone	Date and Year	Intensity (T-Number)	Observed/ Estimated Max. Wind	Damage
(1)	(2)	(3)	(4)	(5)	(6)
26	Khaimuk	13th November to 16th November 2008	T 2.5	40 Knots 74 Kmph	of west Arunachal Pradesh were lashed in the night hours of 27-28th Oct. causing disruption of road and other communications. Several road bridges were broken down and a number of dwelling houses have been devastated besides injury to many persons.
27	Nisha	25th to 27th November, 2008	T - 3.0	45 Knots 83 Kmph	Major erosion of coast seen at Uppada near Kakinada. In many areas in East & West Godavari and Krishna districts, paddy fields got inundated. Twenty one country boats washed off in the sea off konapapeta in kothapalli mandal of East Godavari. A big ship was carried away by the waves along the Wakatapudi beach near lakinada of East Godavari district. Many boats and fishing nets were swept off in the areas adjoining Walkadu, Alluru, Mypad,Gangapatnam in Nellore district.
28	Cyclonic Storm Bijli (Bay of Bengal)	14-17 April 2009	2.5	40 Knots 74 Kmph	As per the Tamil Nadu Govt. Revenue site, loss of life wear 78 over the state during 24th to 28th November,2008 As per media reports 8 lakhs acres of paddy crops in Nagapattinam, Thanjavur and Tiruvarur (delta) districts and 55.250 hectares of paddy in cuddalore district were submerged due to heavy rain. Andhra Pradesh: Chittur, Nellore and Prakasam districts of south coastal Andhra Pradesh were affected by heavy rain/strong, 3.63 lakh hectares of crop were damaged. The heavy rain led to floods in south coastal Andhra Pradesh districts.
					No damage over India.

(Contd.)

Table 20.6 (contd.)

S. No.	Name of Cyclone	Date and Year (Tr-Number)	Intensity (Tr-Number)	Observed/ Estimated Max. Wind	Damage
(1)	(2)	(3)	(4)	(5)	(6)
29	Severe Cyclonic Storm AILA (Bay of Bengal)	23-26 May 2009	3.5	60 Knots 112 Kmph	According to West Bengal state Government, number of people affected by storm was about 2.2 million. More than 61,000 houses were collapsed and more than 1,32,000 houses were partially damaged. About 100 people died in the state. In Odisha Numerous trees were uprooted and power lines were down. High waves produced by the storm inundated coastal villages, forcing residents to evacuate to safer places. However there was no report of human death in the state. An estimated 1,000 acres of cropland were affected. In Meghalaya several houses were damaged, power supply was disrupted and many areas were flooded.
30	Cyclonic Storm "Laila" over Bay of Bengal	17 - 21 May, 2010	3.5	55 knots	
31	Cyclonic Storm "Giri" over Bay of Bengal	20 - 23 October, 2010	5.5	105 knots	
32	Cyclonic Storm "Jal" over Bay of Bengal	04 - 07 November, 2010	3.5	60 knots	
33	Very Severe Cyclonic Storm "THANE"	25th - 31st December, 2011	T 4.5	75 kts (139 kmph)	46 persons died in Tamil Nadu and Puducherry 793 trees, electric posts were uprooted. Around 6000 persons in these areas were shifted to shelters. In Puducherry the storm has caused considerable loss to the Tourism Industry. About 73292 thatched houses were fully damaged and 94633 houses were partially damaged by wind and rain.

(Contd.)

Table 20.6 (contd.)

S. No.	Name of Cyclone	Date and Year (Tr-Number)	Intensity (Tr-Number)	Observed/ Estimated Max Wind	Damage (6)
(1)	(2)	(3)	(4)	(5)	
34	Cyclone Storm MURJAN	23rd - 26th Oct-12	T2.5	40 Knots (75 kmph)	Paddy crop in 58,200 hectares; sugarcane in 5,752; groundnut in 1,402; black gram in 945; coconut in 490 hectares were damaged in the entire cyclone affected areas. In horticultural sector, cashew in 23,500 hectares; banana plantation in 2,860; jackfruit in 340; vegetables in 320; Mango trees in 317; Guava in 270; flowers in 250; betel nuts in 128; tuber in 73; amla in 12 hectares were damaged. In Cuddalore district alone 4500 electric poles, 4500 transformer, 27 electric towers were damaged. Electric wire in 10,500 Km length was damaged. The damages are worked out to be ₹ 1300 to 1500 crores.
35	Cyclonic Storm ' Viyaru'	10-16 May 2013	T-3.0	45 Knots (83 kmph)	No damage over India Basin (Name of the coast of landfall)
36	Very Severe Cyclonic Storm (VSCS) 'PHAILIN' over the Bay of Bengal	08-14 Oct. 2013	T-6.0	115 knot (213 kmph)	Crossed Andaman & Nicobar near Maya Bandar between 0700-0800 UTC of 9 October as DD and later the VSCS crossed Odisha & adjoining north Andhra Pradesh coast near Gopalpur around 1700 UTC near 19.20N and 84.90E
37	Bengal NILAM	28th October to 1st November 2013	T 3.0	45 Knots (85 kmph)	No damage over India
38	Severe Cyclonic Storm 'Helen' over Bay of Bengal	19-23 Nov 2013	T-3.5	55 knot (102 kmph)	Crossed Andhra Pradesh coast close to south of Machilipatnam near 16.10N/81.20E between 0800-0900UTC
39	Very Severe Cyclonic Storm VSCS 'Lehar'	23-28 Nov 2013	T-4.0	75 knot (139 kmph)	Crossed Andaman & Nicobar Island, south of Port Blair at around 0100 UTC of 25 November and later Andhra Pradesh close to north of Machilipatnam near 15.90N/81.10 E 0830 UTC of 27 Nov, 2013 as a depression around (Contd.)

Table 20.6 (contd.)

S. No.	Name of Cyclone	Date and Year	Intensity (T-Number)	Observed/ Estimated Max. Wind	Damage
(1)	(2)	(3)	(4)	(5)	(6)
40	Very Severe Cyclonic Storm 'VSSES Madi'	06-13 Dec.2013	T-4.0	65 knot (120 kmph)	Crossed Tamil Nadu coast near Vedaranayam around 1330 UTC and emerged into Palk Strait and again crossed Tamil Nadu coast near Tondi around 1700 UTC of 12 Dec.2013
41	Very severe Cyclonic Storm 'HUDHUD'	7th October to 14th October, 2014	T 5.0	100 knot (185 kmph)	The System crossed Andhra Pradesh coast over Visakhapatnam and moved across south coast of Odisha. Maximum damage was reported over Andhra Pradesh followed by Odisha.
42	Cyclone Storm "Komen"	26th July to 2nd August, 2015	T 2.5	40 Knots	Crossed Bangladesh Coast between Hatia & Sandwip near lat.22.50N long .91.40E during 1400 to 1500 UTC of 30th July 2015. 83 people died and 88,900 houses were damaged partially in Bangladesh. Two persons died and 2 got injured in Myanmar. 86 houses and 4 primary schools were damaged in Myanmar.
					No damage occurred over India due to this system.
43	Cyclonic Storm "ROANU"	17th May to 22th May 2016	T 3.0	45 Knots	Crossed Bangladesh coast near latitude 22.60N and longitude 91.60E. It was responsible for 101 deaths and displacing over 1,34,000 people in Sri Lanka.Overall 1,10,684 families were partially and 29,168 fully affected by CS Roanu. 24 people lost their lives and 2 were reported missing.
44	Cyclonic Storm "KYANT"	21st October to 28 October 2016	T 2.5	40 Knots	Weakened over westcentral BoB off Andhra Pradesh coast. As cyclone Kyant weakened over sea, no damage was reported due to this system.
45	Cyclonic Storm "NADA"	29th November to 02 December 2016	T 2.5	40 Knots	Crossed north Tamil Nadu coast near Nagapattinam. No damage was reported as Nada weakened and crossed coast as a depression.
46	Cyclonic Storm "VARDAH"	06th December to 13th December 2016	T 4.0	70 Knots	Crossed north Tamil Nadu coast near Chennai. As per media report Cyclone Vardah wreaked havoc in the remote islands of Andaman like Dighlipur, Rangat and Billyground that witnessed a flood-like situation due to

(Contd.)

Table 20.6 (contd.)

S. No.	Name of Cyclone	Date and Year (Tr-Number)	Intensity (Tr-Number)	Observed/ Estimated Max. Wind	Damage (6)
(1)	(2)	(3)	(4)	(5)	(6)
47	"Cyclonic Storm (CS) ""Maarutha"" "	15- 17 April, 2017	T 2.5	40 knots	torrential rains.24 deaths related to the cyclone have been reported in the state of Tamil Nadu.Severe Crop damages occurred in Tiruvallur, Kanchipuram, Vellore and Tiruvannamalai districts of north Tamil Nadu. There was damage to paddy,groundnut,blackgram,greengram and coconut causing a loss of nearly 33 % in these districts in an area of 34206.13 Hectare.The estimated loss of Agriculture produce valued Rs. 35571 Crore. Crossed Myanmar coast near Sandoway (Thandwe) near 18.4N/94.3E. Three people were killed in Irrawaddy Division of Myanmar. A total of 81 houses were damaged by the storm.
48	Severe Cyclonic Storm(SCS) "Mora"	28-31 May, 2017	T 3.5	60 knots	Crossed Bangladesh coast close to south of Chittagong near 22.0N/91.9E. No casualties were reported from any Indian state due to SCS Mora. However, rains triggered landslides at many places in Mizoram. It is reported that about 20 houses were damaged in Khawbung village of Champhai district. About 10 houses including a church have been also been damaged in Serchhip district. As per preliminary report released by Department of Disaster Management, Government of the Peoples' Republic of Bangladesh 7 people lost their lives and 61 got injured due to 'Cyclone Mora'.
49	Very Severe Cyclonic Storm(VSCS) "Ockhi"	29 Nov-05 Dec, 2017	T 4.5	85 knots	As per report from Ministry of Home affairs, Govt. of India, about 35 persons lost their lives and 199 went missing in Tamil Nadu. About 6,868 houses were damaged in Tamil Nadu. As per report from Ministry of Home affairs, Govt. of India, Kerala state witnessed loss of lives of 75 persons and 137 fishermen went missing and about 3600 houses were damaged by cyclone Ockhi. No death was reported from Lakshadweep Islands. However normal life at Kalpeni, Minicoy and Karavatti was badly hit by cyclone and there was damage to structures and agricultural crops, coconut trees etc. From Karnataka, no death was reported, three houses were damaged and 15 coconut palms were uprooted & some washed away in Ullal, Someshwar-Uchil areas near Mangaluru.

21

Conversion Factors between Important Primary and Secondary Agricultural Commodities

Table 21 : Conversion Factors between Important Primary and Secondary Agricultural Commodities

Commodity	Conversion Factor
(1)	(2)
Rice (Cleaned) Production	2/3 of Paddy Production
Cotton	
Cotton Lint Production	1/3 of Kapas Production
Cotton Seed Production	2/3 of Kapas Production
	2 Times of Cotton Lint Production
Jute	
100 Yards of Hessian	54 lbs. of Raw Jute
4148 Yards of Hessian	1 Ton of Raw Jute
	5.55 Bales of Raw Jute (of 180 Kgs. Each)
1 Ton of Sacking	1.11 Tons of Raw Jute
	6.17 Bales of Raw Jute (of 180 Kgs. Each)
1 Ton of Hessian	1.05 Tons of Raw Jute
Sacking etc.	5.85 Bales of Raw Jute (of 180 Kgs. Each)
Groundnut	
Kernel to Nuts in Shell	70 Percent
Oil to Nuts in Shell	28 Percent
Oil to Kernels Crushed	40 Percent
Cake to Kernels Crushed	60 Percent
Sesamum	
Oil to Seeds Crushed	40 Percent
Cake to Seeds Crushed	60 Percent
Rapeseed and Mustard	
Oil to Seeds Crushed	33 Percent
Cake to Seeds Crushed	67 Percent
Linseed	
Oil to seeds Crushed	33 Percent
Cake to Seeds Crushed	67 Percent
Castorseed	
Oil to Seeds Crushed	37 Percent
Cake to Seeds Crushed	63 Percent
Cotton Seed	
Oil to Seeds Crushed	14 to 18 Percent
Cake to Seeds Crushed	82 to 86 Percent

(Contd.)

Table 21 (contd.)

Commodity	Conversion Factor
(1)	(2)
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
Soyabean Seed	
Oil to Soyabean Seed Crushed	18 Percent
Meal to Soyabean Seed Crushed	73 Percent
Hull from Soyabean Seed Crushed	8 Percent
Wastage from Soyabean Seed Crushed	1 Percent
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 (Sulphur and Non-sulphur)	46 Percent
from standard Gur Refined	
Molasses from Cane Crushed	4.0 Percent to 4.5 Percent
Cane - Trash* from Cane Harvested	8.0 Percent to 12.0 Percent
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.

22

List of Studies Conducted by Agro-Economic Research Centres

22: List of Studies Conducted by Agro-Economic Research Centers**2011-12**

1	Capacity Building for Improving Trade Competitiveness and Price Realization of Indian Agriculture.	CMA, Ahmedabad
2	Impact of NREGA on wage rates, cost of production, food Security and Rural Urban Migration of Karnataka	ADRT, Bangalore
3	Impact Study of the National Horticulture Mission (NHM) Scheme in Karnataka	ADRT, Bangalore
4	State Budgetary Resources and Agriculture Development (Consolidated Report).	ADRT, Bangalore
5	Impact of Macro Management of Agriculture Scheme. (Consolidated Report)	ADRT, Bangalore
6	Role of Climate Change & Agricultural Performance. Proposed by- IEG , Delhi	IEG, Delhi
7	Possibilities and Constraints increasing the production of pulses in India; and the Impact of National Food Security Mission on Pulses	IEG, Delhi
8	Impact of emerging marketing channels in Agricultural Marketing – Benefit to producer – seller & Marketing Costs and Margins of Agricultural Commodities.	IEG, Delhi
9	Market Access and Constraints in Marketing of Goats and Their Products (Consolidated)	Allahabad
10	Possibilities and Constraints for increasing the Production of Pulses in India and Impact of National Food Security Mission on Pulses in U.P.	Allahabad
11	Impact of emerging marketing channels in Agricultural Marketing – Benefit to producer – seller & Marketing Costs and Margins of Agricultural Commodities.	Allahabad
12	Impact of NREGA on wage rates, cost of production, food Security and Rural Urban Migration, at Kerala .	Chennai
13	Possibilities and Constraints for increasing the Production of Pulses in India and Impact of National Food Security Mission on Pulses in Haryana.	Delhi
14	Impact Study of the National Horticulture Mission (NHM) Scheme.	Delhi

(Contd.)

15	Impact of NREGA on wage rates, cost of production, food Security and Rural Urban Migration,	Delhi
16	Economics of fodder cultivation & its processing and marketing.	Jabalpur
17	Potential & prospects of Rabi cultivation in Assam.	Jorhat
18	Impact of emerging marketing channels in Agricultural Marketing – Benefit to producer – seller & Marketing Costs and Margins of Agricultural Commodities in Assam.	Jorhat
19	Impact of NREGA on wage rates, cost of production, food Security and Rural Urban Migration in Assam,	Jorhat
20	Economics of fodder cultivation & its processing and marketing in Punjab.	Ludhiana
21	Impact of NREGA on wage rates, cost of production, food Security and Rural Urban Migration of in Punjab.	Ludhiana
22	Impact of NREGA on wage rates, cost of production, food Security and Rural Urban Migration, with all India coverage in Rajasthan and Gujarat	Vallabh Vidyanagar
23	Impact Study of the National Horticulture Mission (NHM) Scheme in Rajasthan	Vallabh Vidyanagar
24	Mid-Term Evaluation Studies of National Watershed Development for Rain fed Areas during Tenth Plan	Vallabh Vidyanagar
25	Study report on Evaluation Studies of National Watershed Development for Rainfed Areas during Tenth Plan.	Vallabh Vidyanagar
26	Economics of production processing and marketing of fodder crops in Gujarat.	Vallabh Vidyanagar
27	Impact and Constraints Evaluation of Organic Farming at Household Level.	Visva Bharati
28	Impact Study of the National Horticulture Mission (NHM) Scheme in West Bengal.	Visva Bharati
29	Impact of emerging marketing channels in Agricultural Marketing – Benefit to producer – seller & Marketing Costs and Margins of Agricultural Commodities in West Bengal.	Visva Bharati

(Contd.)

- 30 Impact of NREGA on wage rates, cost of production, food Security and Rural Urban Migration in West Bengal. Visva Bharati
- 31 Possibilities and Constraints for increasing the Production of Pulses in India and Impact of National Food Security Mission on Pulses in Andhra Pradesh. Waltair
- 32 The Impact of Macro Management of Agriculture Scheme in Andhra Pradesh Waltair

2012-13

- 1 Economics of fodder cultivation & its processing and marketing in Karnataka ADRT, Bangalore
- 2 Hulling and Milling Ratio in major Paddy growing states-Karnataka ADRT, Bangalore
- 3 Market Integration of Major Agricultural Markets in Karnataka ADRT, Bangalore
- 4 Hulling and Milling Ratio in major Paddy growing states-All India (Consolidated) ADRT, Bangalore
- 5 Impact of NREGA on age Rates, Food Security and Rural Urban Migration with All-India Coverage'(Consolidated) ADRT, Bangalore
- 6 Prospects of Crop Diversification in the States of Punjab & Haryana - (Suggested by CACP). IEG, Delhi
- 7 Producers companies in India: Ownership, management structure, performances and impact on small producers. IEG, Delhi
- 8 Impact of NREGA on wage rates, cost of production, food Security and Rural Urban Migration in U.P. Allahabad
- 9 End-term Evaluation Study/Appraisal in respect of the Implementation of the Bringing Green Revolution to Eastern India (BGREI) Program Allahabad
- 10 Spread of new varieties of hybrid rice and their impact on the overall production and productivity in Uttar Pradesh. Allahabad
- 11 Problems and Prospects of Katarni Paddy Production in Bihar. Bhagalpur

12	Impact Study of the National Horticulture Mission (NHM) Scheme in Bihar	Bhagalpur
13	End-term Evaluation Study/Appraisal in respect of the Implementation of the Bringing Green Revolution to Eastern India (BGREI) Program	Bhagalpur
14	Impact Study of the National Horticulture Mission (NHM) Scheme in Tamil Nadu	Chennai
15	Impact of emerging marketing channels in Agricultural Marketing – Benefit to producer in Haryana	IEG, Delhi
16	End-term Evaluation Study/Appraisal in respect of the Implementation of the Bringing Green Revolution to Eastern India (BGREI) Program	Jabalpur
17	Possibilities and Constraints in increasing the production of pulses in India; and the Impact of National Food Security Mission on Pulses	Jabalpur
18	Impact of NREGA on wage rates, cost of production, food Security and Rural Urban Migration in Madhya Pradesh and Chhattisgarh	Jabalpur
19	Impact study of soil testing analysis in the states of Madhya Pradesh	Jabalpur
20	(1) Hulling and Milling Ratio in major Paddy Madhya Pradesh. (2) Hulling and Milling Ratio for Paddy in Chhattisgarh	Jabalpur
21	Spread of new varieties of hybrid rice and their impact on the overall production and productivity in Madhya Pradesh	Jabalpur
22	End-term Evaluation Study/Appraisal in respect of the Implementation of the Bringing Green Revolution to Eastern India (BGREI) Program	Jorhat
23	Possibilities and Constraints in increasing the production of pulses in India; and the Impact of National Food Security Mission on Pulses.	Ludhiana
24	Hulling and Milling Ratio for Paddy in Punjab	Ludhiana
25	Impact of emerging marketing channels in Agricultural Marketing – Benefit to producer – seller & Marketing Costs and Margins of Agricultural Potato and Kinnow in Punjab	Ludhiana
26	Economics of fodder cultivation & its processing and marketing (Consolidated)	Ludhiana

27	Assessment of Pre and Post Harvest Losses in Wheat and Paddy Crops in Punjab	Ludhiana
28	Assessment of crop-wise marketable and marketed surplus of food grains and post harvest losses in Ludhiana	Ludhiana
29	Marketed surplus of food grains and post harvest losses in West Bengal.	Visva Bharati
30	End-term Evaluation Study/Appraisal in respect of the Implementation of the Bringing Green Revolution to Eastern India (BGREI) Program	Visva Bharati
31	Baseline Data on Area , Production and Production and Productivity of Horticulture Crops in Sikkim-Shantiniketan	Visva Bharati
32	Problem and Prospects of Oilseeds in West Bengal -Shantiniketan	Visva Bharati
33	Effect of Farm Mechanization on Agricultural Growth and Comparative Economics of Labour and Machinery	Visva Bharati
34	Spread of new Varieties of Hybrid Rice and their Impact on the Overall Production and Productivity in West Bengal.	Visva Bharati
35	Impact of NREGA on wage rates, cost of production, food Security and Rural Urban Migration in Andhra Pradesh	Vishakhapatnam
36	Impact Study of the National Horticulture Mission (NHM) Scheme in Andhra Pradesh	Vishakhapatnam
37	End-term Evaluation Study/Appraisal in respect of the Implementation of the Bringing Green Revolution to Eastern India (BGREI) Program	Vishakhapatnam

2013-14

1	Estimation of pre and post harvest losses of Rice and Redgram in Karnataka.	ADRT, Bangalore
2	Assessment of crop-wise marketable and marketed surplus of food grains and post harvest losses in Karnataka.	ADRT, Bangalore
3	Consolidated Impact Study of the National Horticulture Mission (NHM) Scheme.	ADRT, Bangalore

(Contd.)

4	Assessment of crop-wise marketable and marketed surplus of food grains and post harvest losses for Gujarat.	CMA,IIMA
5	Assessment of Pre and Post Harvest Losses in Wheat and Paddy Crops in Uttar Pradesh.	Allahabad
6	Assessment of Crop-wise Marketable and marketed surplus of food grains and post harvest losses in Uttar Pradesh.	Allahabad
7	Problems and prospects of oilseeds and oil palm cultivation, potential of bringing it in cost effective manner in Uttar Pradesh.	Allahabad
8	Evaluation and impact of mechanization on agri. Growth, comparative economics of labour and machinery in Bihar.	Bhagalpur
9	Spread of new varieties of hybrid rice and their impact on the overall production and productivity in Bihar.	Bhagalpur
10	Assessment of crop-wise marketable and marketed surplus of food grains and post harvest losses in Haryana.	Delhi
11	Evaluation of Price Support Scheme of Sunflower in Haryana.	Delhi
12	Evaluation of Market Intervention Scheme (Apple 'C' Grade) in Uttarakhand	Delhi
13	Baseline data on area, Production and productivity of Horticulture crops in North East and Himalayan states in Uttarakhand.	Delhi
14	Estimation of pre and post harvest losses among selected crops in Madhya Pradesh.	Jabalpur
15	Assessment of marketable and marketed surplus of Wheat, Gram & Tur in Madhya Pradesh	Jabalpur
16	Baseline Data on Area, Production and Productivity of Horticultural Crops in Assam.	Jorhat
17	Evaluation of Market Intervention Scheme(MIS) and PSS in Mizoram	Jorhat
18	Estimation of pre and post harvest losses among selected crops in Assam	Jorhat

(Contd.)

19	Assessment of Pre and Harvest Losses in Tur and Soyabean Crops in Maharashtra.	Pune
20	Assessment of Crop-wise Marketable and marketed surplus of food grains and post harvest losses in Maharashtra.	Pune
21	Problems and prospects of Soyabean cultivation in Maharashtra Problems and prospects of Soyabean cultivation in Maharashtra .	Pune
22	Evaluation of Market Intervention Scheme in Himachal Pradesh.	Shimla
23	Baseline data on area, production and productivity of horticulture crops in Himachal Pradesh.	Shimla
24	Problems and Prospects of Prospects of Production of Oilseeds: Special Reference to Groundnut in Gujarat.	Vallabh Vidyanagar
25	Problems and Prospects of Prospects of Production of Oilseeds in Rajasthan.	Vallabh Vidyanagar
26	Assessment of Crop-wise Marketable and marketed surplus of food grains and post harvest losses in Rajasthan.	Vallabh Vidyanagar
27	Estimation of pre and post harvest losses among selected crops in Gujarat.	Vallabh Vidyanagar
28	Estimation of pre and post harvest losses among selected crops in Rajasthan	Vallabh Vidyanagar
29	Evaluation of Market Intervention Scheme (MIS) and PSS in Rajasthan.	Vallabh Vidyanagar
30	Estimation of pre and post harvest losses among selected crops in West Bengal	Visva Bharati
31	Spread of new varieties of hybrid rice and their impact on the overall production and productivity in West Bengal.	Visva Bharati
32	Consolidated Spread of new varieties of hybrid Rice and their impact on the overall production and productivity.	Visva Bharati

2014-15

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

16	Spread of new varieties of hybrid rice and their impact on the overall production and productivity for Tamil Nadu.	Chennai
17	Possibilities and Constraints in adoption of alternative crops to paddy in Haryana.	Delhi
18	Problems & Prospects of Oilseeds production in Madhya Pradesh.	Jabalpur
19	Impact of National Food Security Mission (NFSM) on Input use, Production, Productivity and Income for Wheat in Madhya Pradesh.	Jabalpur
20	Adoption of recommended doses of fertiliser on soil test basis by farmers for Wheat and Soyabean in Madhya Pradesh.	Jabalpur
21	Relationship between wholesale prices, retail prices, export prices (FOB), prices realized by farmers and details of contributing factors for the price difference for Basmati rice in Punjab.	Ludhiana
22	Adoption of recommended doses of fertiliser on soil test basis by farmers for Wheat and Rice in Punjab.	Ludhiana
23	Impact of diesel/power subsidy withdrawal on production cost of important crops in Punjab.	Ludhiana
24	Possibilities and Constraints in Adoption of Alternative Crops to Paddy in Punjab.	Ludhiana
25	Impact of National Food Security Mission (NFSM) on Input use, Production, Productivity and Income for Wheat in Gujarat.	V.V Nagar
26	Adoption of recommended doses of fertiliser on soil test basis by farmers for Cotton and Groundnut in Gujarat.	V.V Nagar
27	Spread of new varieties of hybrid rice and their impact on the overall production and productivity for Andhra Pradesh	Visakhapatnam
28	Impact of MGNREGA on Wage Rates, Food Security and Rural Urban Migration in Odisha.	Visakhapatnam
29	Problems and prospects of oilseeds and oil palm cultivation, potential of bringing it in cost effective manner in Andhra Pradesh	Visakhapatnam
30	Evaluation of Market Intervention Scheme (MIS) in Andhra Pradesh	Visakhapatnam

(Contd.)

2015-16

1	Impact of National Food Security Mission (NFSM) on Input use, Production, Productivity and Income in Karnataka	ADRTC, Bangalore
2	Adoption of recommended doses of fertiliser on soil test basis by farmers for Rice and Maize in Karnataka.	ADRTC, Bangalore
3	Relationship between wholesale prices, retail prices, export prices (FOB), prices realized by farmers and details of contributing factors for the price difference for Onion and Grapes for Karnataka.	ADRTC, Bangalore
4	The Extent of Wastage in Azadpur Mandi- A Case Study	IEG, Delhi
5	Irrigation and Entrepreneurship: Status and Lessons for improvements and Expansion – covering four states.	CMA, Ahmedabad
6	Enhancing Rice Productivity and Food Security: A Study of the Adoption of the System of Rice Intensification (SRI) in selected States of India	CMA, Ahmedabad
7	Agro-input Marketing Models in India: Performance and potential	CMA, Ahmedabad
8	Possibilities and Constraints in Adoption of Alternative Crops to Paddy to Paddy in Uttar Pradesh.	Allahabad
9	Impact of National Food Security Mission (NFSM) on Input use, Production, Productivity and Income for rice in Bihar.	Bhagalpur
10	Adoption of recommended doses of fertiliser on soil test basis by farmers in Bihar.	Bhagalpur
11	Supply Chain of Litchi Marketing / Processing for Bihar.	Bhagalpur
12	Impact of National Horticulture Mission (NHM) in Kerala	Chennai
13	Impact of National Food Security Mission (NFSM) on Input use, Production, Productivity and Income in Tamil Nadu.	Chennai
14	Adoption of recommended doses of fertiliser on soil test basis by farmers for Rice and Groundnut in Tamil Nadu	Chennai

(Contd.)

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

(Contd.)

2016-17

1	Documentation of Success Stories of Food Processing Units in Karnataka.	ADRTC, Bangalore
2	Assessment of the Impact of Neem Coated Urea on Production, Productivity and Soil Health in Karnataka.	ADRTC, Bangalore
3	Farmers Suicides: Causes and Policy Prescriptions in Karnataka.	ADRTC, Bangalore
4	Sustainability of Self-help and Joint-liability Group Institutions under Micro-finance.	CMA, Ahmedabad
5	Demand, Supply and Consumption of milk and milk products during the 11 th Five year Plan and projections for 12 th Five year Plan and its cost effective procurement at farm gate (Consolidated)	IEG, Delhi
6	Pilot Project to Ascertain the use of Diesel for Irrigation.	IEG, Delhi
7	Evaluation of Market Intervention Scheme (MIS) and PSS (Consolidated)	IEG, Delhi
8	Estimation of losses to the pulses by blue-bulls in Uttar Pradesh.	Allahabad
9	Farmers Suicides: Causes and Policy Prescriptions in Uttar Pradesh.	Allahabad
10	Impact study on agricultural extension services to farmers by Agri-Clinics & Agri-Business Centres (ACABC) Scheme in Allahabad.	Allahabad
11	Assessment of the Impact of Neem Coated Urea on Production, Productivity and Soil Health in Bihar	Bhagalpur
12	Evaluation and Assessment of economic losses on account of inadequate Post Harvest Infrastructure Facilities for Fisheries Sector in Tamil Nadu.	Chennai
13	Evaluation and Assessment of economic losses on account of inadequate Post Harvest Infrastructure Facilities for Fisheries Sector in Kerela.	Chennai
14	Impact of Emerging Marketing Channels in Agriculture: Benefit to Producer Seller and Marketing Costs and Margins of Banana and Potato Crops in Tamil Nadu	Chennai

15	Evaluation and Assessment of economic losses on account of inadequate Post Harvest Infrastructure Facilities for Fisheries Sector in India (Consolidated)	Chennai
16	Farmers Suicides: Causes and Policy Prescriptions in Tamil Nadu	Chennai
17	Farmers Suicides: Causes and Policy Prescriptions in Kerala	Chennai
18	Farmers Suicides: Causes and Policy Prescriptions in Haryana.	Delhi
19	Economic Analysis of Cost & Return of off season vegetables with focus on green house effect in Uttrakhand.	Delhi
20	Assessment of the Impact of Neem Coated Urea on Production, Productivity and Soil Health in Madhya Pradesh	Jabalpur
21	Farmers Suicides: Causes and Policy Prescriptions in Madhya Pradesh.	Jabalpur
22	Farmers Suicides: Causes and Policy Prescriptions in Chattisgarh.	Jabalpur
23	Assessment of the Impact of Neem Coated Urea on Production, Productivity and Soil Health in Assam.	Jorhat
24	Impact of SHC on Production, Productivity and Soil Health in Assam.	Jorhat
25	Assessment of the Impact of Neem Coated Urea on Production, Productivity and Soil Health in Punjab.	Ludhiana
26	Farmers Suicides: Causes and Policy Prescriptions in Punjab.	Ludhiana
27	Farmers Suicides: Causes and Policy Prescriptions in Maharashtra	Pune
28	Assessment of the Impact of Neem Coated Urea on Production, Productivity and Soil Health in Maharashtra	Pune
29	Economic Analysis of Cost & Return of off season vegetables with focus on green house effect in Himachal Pradesh.	Shimla

30	Economic Analysis of Cost & Return of off season vegetables with focus on green house effect in Jammu and Kashmir.	Shimla
31	Farmers Suicides: Causes and Policy Prescriptions in Gujarat.	V.V. Nagar
32	Assessment of the status of dairying in the eastern states and potential to improve socio economic status of the milk producers and convergence of all central and state schemes at District Level in Gujarat.	V.V. Nagar
33	Assessment of the status of dairying in the eastern states and potential to improve socio economic status of the milk producers and convergence of all central and state schemes at District Level in Rajasthan.	V.V. Nagar
34	Working and Impact of Pressurised Irrigation Network System (PINS) in Rajasthan.	V.V. Nagar
35	Working and Impact of Pressurised Irrigation Network System (PINS) in Gujarat.	V.V. Nagar,
36	Evaluation and Assessment of economic losses on account of inadequate Post Harvest Infrastructure Facilities for Fisheries Sector in West Bengal.	Visva Bharati
37	Farmers Suicides: Causes and Policy Prescriptions in West Bengal.	Visva Bharati
38	A study on Productivity and Profitability in Agriculture and Horticulture in Eastern Himalayan Region.	Visva Bharati
39	A study on indigenous rice varieties in Sundarban delta and their role in ensuring local food security in the face of climate threats.	Visva Bharati
40	Evaluation and impact of mechanization on agri. Growth, comparative economics of labour and machinery in Agriculture in Odisha.	Vishakhapatnam
41	Farmers Suicides: Causes and Policy Prescriptions in Andhra Pradesh.	Vishakhapatnam
42	Farmers Suicides: Causes and Policy Prescriptions in Telengana	Vishakhapatnam
43	Assessment of crop-wise marketable and marketed surplus of food grains and post harvest losses in A.P.	Vishakhapatnam

2017-18

- | | | |
|---|--|--------------------|
| 1 | A decision-oriented information system for farmers- through Kisan Call Centre (KCC) and Kisan Knowledge Management System (KKMS). (Consolidated) | CMA, Ahmedabad |
| 2 | A decision-oriented information system for farmers- through Kisan Call Centre (KCC) and Kisan Knowledge Management System (KKMS) in Gujarat. | CMA, Ahmedabad |
| 3 | Assessment of the Impact of Neem Coated Urea on Production, Productivity and Soil Health in India. | ADRT,
Bangalore |
| 4 | Farmers Suicides: Causes and Policy Prescriptions in India(Consolidated) | ADRT,
Bangalore |
| 5 | Supply Chain of Litchi Marketing / Processing in Bihar and India (Consolidated) | IEG, Delhi |
| 6 | Relationship between wholesale prices, retail prices, export prices(FOB), prices realized by farmers and details of contributing factors for the price difference for important commodities (Consolidated) | IEG, Delhi |
| 7 | Assessment of the status of dairying in the eastern states and potential to improve socio economic status of the milk producers and convergence of all central and state schemes at District Level in Eastern Uttar Pradesh. | Allahabad |
| 8 | Impact study on agricultural extension services to farmers by Agri-Clinics & Agri-Business Centres (ACABC) Scheme (Consolidated) | Allahabad |
| 9 | Impact of SHC on Production, Productivity and Soil Health in Bihar | Bhagalpur |

(Contd.)

10	Assessment of the status of dairying in the eastern states and potential to improve socio economic status of the milk producers and convergence of all central and state schemes at District Level in Bihar.	Bhagalpur
11	Assessment of the status of dairying in the eastern states and potential to improve socio economic status of the milk producers and convergence of all central and state schemes at District Level in Jharkhand.	Bhagalpur
12	Dynamics and Revival of Fallow lands in Jharkhand.	Bhagalpur
13	Assessment on Performance of Indigenous versus Imported Seedlings of Oil Palm in Tamil Nadu.	Chennai
14	Problem and Prospects of Production of Small Millets and their value added products.	Jabalpur
15	Impact of Soil Health Card (SHC) on Production, Productivity and Soil Health in Madhya Pradesh.	Jabalpur
16	Assessment of the status of dairying in the eastern states and potential to improve socio economic status of the milk producers and convergence of all central and state schemes at District Level in Chhattisgarh.	Jabalpur
17	Dynamics and Revival of Fallow lands in Madhya Pradesh.	Jabalpur
18	Impact study on agricultural extension services to farmers by Agri-Clinics & Agri-Business Centres (ACABC) Scheme in Assam.	Jorhat
19	A decision-oriented information system for farmers- through Kisan Call Centre (KCC) and Kisan Knowledge Management System (KKMS) in Assam.	Jorhat

20	Assessment of the status of dairying in the eastern states and potential to improve socio economic status of the milk producers and convergence of all central and state schemes at District Level in Assam.	Jorhat
21	Impact of SHC on Production, Productivity and Soil Health in Punjab	Ludhiana
22	A decision-oriented information system for farmers- through Kisan Call Centre (KCC) and Kisan Knowledge Management System (KKMS) in Punjab.	Ludhiana
23	Status and Utilization pattern of Input Subsidies in Punjab Agriculture.	Ludhiana
24	Impact study on agricultural extension services to farmers by Agri-Clinics & Agri-Business Centres (ACABC) Scheme in Maharashtra.	Pune
25	Working and Impact of Pressurised Irrigation Network System (PINS) in Maharashtra.	Pune
26	Impact of SHC on Production, Productivity and Soil Health in Maharashtra	Pune
27	Dynamics and Revival of Fallow lands in Maharashtra.	Pune
28	A decision-oriented information system for farmers- through Kisan Call Centre (KCC) and Kisan Knowledge Management System (KKMS) in Maharashtra.	Pune
29	An economic analysis of protected cultivation under MIDH in Himachal Pradesh.	Shimla
30	An economic analysis of protected cultivation under MIDH in Jammu and Kashmir.	Shimla
31	Economic Analysis of Cost and Return of off-Season Vegetables with focus on Poly House Effect (consolidated)	Shimla

32	An Economic Analysis of Protected Cultivation under MIDH in Himalayan States (consolidated)	Shimla
33	Working and Impact of Pressurised Irrigation Network System (PINS) (Consolidated)	Vallabh Vidhya Nagar
34	An Economic Analysis of Protected Cultivation under MIDH in Sikkim	Visva Bharati
35	Economic Analysis of Cost and Return of off-Season Vegetables with focus on Poly House Effect in Sikkim.	Visva Bharati
36	Assessment of the status of dairying in the eastern states and potential to improve socio economic status of the milk producers and convergence of all central and state schemes at District Level in West Bengal.	Visva Bharati
37	Impact of National Food Security Mission (NFSM) on Input use, Production, Productivity and Income for Rice in Andhra Pradesh.	Waltair
38	Performance of Indigenous and Imported Seedlings of Oil Palm in Andhra Pradesh.	Waltair
39	Impact Study on Agricultural Extension Services to Farmers by Agri-Clinics & Agri-Business Centres (ACABC Scheme)- A Case Study of Telangana	Waltair
40	Adoption of recommended doses of fertiliser on soil test basis by farmers for Rice and Cotton in A.P.	Waltair
41	Working of Pressurised Irrigation Network Systems (PINS) in Telangana	Waltair

(Contd.)

The above mentioned Studies can be accessed/ downloaded through the following links:

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

Appendices

Appendix-I

Explanatory Note

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 times 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. The details of calculation of Index Numbers are given in Appendix II.

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, Soyabean, Sunflower and Rapeseed & Mustard.

Appendix-II

Methodology of Index Numbers of Area, Production and Yield

Base Year

The Directorate of Economics and Statistics (DES) had adopted Triennium Ending (T.E.) 1981-82 as base year for the purpose of Index Numbers of Area, Production and Yield in Agriculture until 1999-2000. In 2000-2001, it was decided to adopt T.E. 1993-94 as a way of updating the base to a recent year and keep it in harmony with the other series of indices such as Index of Industrial Production, Wholesale Price Index and the series of National Accounts Statistics. Since area and production in agriculture can fluctuate a great deal from year to year, the average of area/ production over the TE 1993-94 was taken as the base year.

It was observed that the base year 1993-94 currently in use for construction of Index Numbers of Area, Production and Yield of crops has become outdated and stressed on the need for updating of the base year at regular intervals preferably in consonance with the base year revisions of other important indices.

As the period 2005-06 to 2007-08 remained normal from agriculture point of view and the price data available with CSO was for the year 2006-07 which could be used as mid period price for assessment of contribution in value terms for preparation of weighting diagram, it has been considered appropriate to take more recent base, i.e., (TE 2007-08 = 100) as the base for agricultural indices.

Weighting Diagram

The weight of a commodity for the production index is taken as the average production of the commodity in the TE 2007-08 and the national average price of the commodity during 2006-07 as obtained from the National Accounts Statistics. This has been done to fix the base production at its average level by eliminating the cyclical variation and to evaluate the production with the same price for all states in view of wide variations observed in the state prices.

Methodology

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

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

- (a) Index number of area = $\frac{a_{ij}}{a_{io}} \times 100 = IA_{ij}$
- (b) Index number of production = $\frac{p_{ij}}{p_{io}} \times 100 = IP_{ij}$
- (c) Index number of yield = $\frac{IP_{ij}}{IA_{ij}} \times 100$

For any sub-group G of commodities, the indices for the year j are calculated as below:

- a) Index number of area = $\frac{\sum_{i \in G} w_i IA_{ij}}{\sum_{i \in G} w_i} .$
- b) Index number of production = $\frac{\sum_{i \in G} w_i IP_{ij}}{\sum_{i \in G} w_i} .$
- c) Index number of yield = $\frac{\text{Index number of production} \times 100}{\text{Index number of area}}$

Appendix-III

Glossary of English, Botanical and Hindi Names of Important Crops

Crop/ Group of Crops	English	Botanical	Hindi
(1)	(2)	(3)	(4)
Cereals	Bara (Bulrush or spiked millet)	<i>Pennisetum Typhoides</i>	Bajra
	Barley	<i>Hordeum vulgare</i>	Jau
	Barnyard millet	<i>Echinochloa frumentacea</i>	Kutki
	Cholam (Great Millet)	<i>Sorghum bicolor</i>	Jowar
	Common Millet	<i>Panicum milliaceum</i>	Cheena
	Little Millet	<i>Penicum milliare</i>	Sawan
	Italian foxtail Millet	<i>Setariaitalica</i>	Kangani
	Kodo Millet	<i>Paspalum scrobiculatum</i>	Koden
	Maize or Indian corn	<i>Zea mays</i>	Makka
	Oat	<i>Avena sativa</i>	Jaie
Pulses and Beans	Ragi	<i>Eleusine coracana</i>	Mundua
	Paddy (Rice)	<i>Oryza sativa</i>	Dhan (Chawal)
	Wheat	<i>Triticum acstivum</i>	Gehun
	Black gram	<i>Vignamungo</i>	Urad
	Chickpea (Bengal gram)	<i>Cicer arietinum</i>	Chana
	Chicking vetch	<i>Lathyrus sativus</i>	Khesari
	Cluster Bean	<i>Cyamopiss tetragonoloba</i>	Guar
	Cowpea	<i>Vigna unguiculate</i>	Lobia
	Green Gram	<i>Vigna radiata</i>	Mung
	Horsegram	<i>Dilichos biflorus</i>	Kulthi
Sugar	Kidney bean	<i>Vigna aconitifolia</i>	Moth
	Lentil	<i>Lens culimaris</i>	Masur
	Peas	<i>Pisum sativum vararvense</i>	Matar
	Red gram (Pigion pea)	<i>Cajanus cajan</i>	Tur,Arhar
	Soyabean	<i>Glucine max</i>	Soyabean
	Sugarcane	<i>Saccharum Officinarum</i>	Ganna
Fruits	Apple	<i>Malus sylvespris</i>	Seb
	Apricot	<i>Prunus armeniaca</i>	Khoobani
	Cashewnut	<i>Anaardium occidentale</i>	Kaju

(Contd.)

Appendix-III(contd.)

Crop/ Group of Crops	English	Botanical	Hindi
(1)	(2)	(3)	(4)
	Fig	<i>Ficus carica</i>	Anjeer
	Grape	<i>Vitis vinifera</i>	Angur
	Guvava	<i>Psidium guajava</i>	Amrood
	Jackfruit	<i>Artocarpus heterophyllus</i>	Katahal
	Lemon	<i>Citrus Lemon</i>	Nimbu
	Lime	<i>Citrus Urantifolia</i>	Bara Nimbu
	Litchi	<i>Litchi chinensis</i>	Litchi
	Mango	<i>Magnifera indica</i>	Aam
	Orange Mandar	<i>Citrus reticulata</i>	Santara, Narangi
	Papaya	<i>Carica papaya</i>	Papeeta
	Pear	<i>Pyrus communis</i>	Naspatti
	Pineapple	<i>Ananas comosus</i>	Ananas
	Banana	<i>Musa paradisiaca</i>	Kela
	Pomegranate	<i>Punica granatum</i>	Anaar
	Sweet Orange	<i>Citrus sincensis</i>	Malta, Mosambi
Vegetables	Ash gourd	<i>Benincasa hispida</i>	Petha
	Beet	<i>Beta vulgaris</i>	Chukandar
	Bitter gourd	<i>Momordica charantia</i>	Karela
	Bottle gourd	<i>Lagenaria siceraria</i>	Lauki
	Brinjal	<i>aubergine</i>	Baingan
	Cabbage	<i>Brassica oleracea var, Capitata</i>	Band gobi
	Carrot	<i>Daucus carota</i>	Gajar
	Cauliflower	<i>Brassica oleracea var Botrytis</i>	Phul gobi
	Cowpea	<i>Vigna unguiculata</i>	Lobia
	Cucumber	<i>Cucumis satius</i>	Kheera
	French bean	<i>Phaseolus vulgaris</i>	Faras bean
	Indian flat bean or sem	<i>Dolichos lablab</i>	Sem
	Kaol Khol	<i>Brassica oleracea var, Gongylodes</i>	Ganth gobi
	Lady's finger	<i>Abelmoschus esculentus</i>	Bhindi

(Contd.)

Appendix-III(contd.)

Crop/ Group of Crops	English	Botanical	Hindi
(1)	(2)	(3)	(4)
	Little gourd	<i>Cucurbita cordifolia</i>	Kundur
	Musk melon	<i>Cucumis melo</i>	Kharbooz
	Onion	<i>Allium cepa</i>	Piyaz
	Pointed gourd	<i>Trichosanthes dioica</i>	Parwal, Potal
	Potato	<i>Solanum tuberosum</i>	Aaloo
	Pumpkin	<i>Cucurbita moschata</i>	Sitaphal, Lal Kaddu, Kumbhra
	Radish	<i>Raphanus satius</i>	Muli
	Round gourd of India	<i>Citrullus vulgaris var, fistulosus</i>	Tinda
	Snap melon	<i>Cucumis melo var, momordica</i>	Phoot
	Snake gourd	<i>Trichosanthes anguina</i>	Chachinda
	Tomato	<i>Lycopersicon esculentum</i>	Tamatar
	Turnip	<i>Brassica rapa</i>	Shalgam
	Water melon	<i>Citrullus vulgaris</i>	Tarbooz
Drugs and Narcotics			
	Betal Leave	<i>Areca catechu</i>	Paan
	Betalnut(arecanut)	<i>Cannabis sativa</i>	Supari
	Indian hemp	<i>Papaver somniferum</i>	Bhang
	Opium	<i>Nicotiana tabacum</i> and	Afeem
	Tobacco	<i>Nicotiana rustica</i>	Tambaku
Condiments and Spices			
	Black pepper	<i>Piper nigrum</i>	Kalimirch
	Cardamom, Cardamum (lesser)	<i>Elettaria cardamomum</i>	Chhoti Ilaichi
	Chillies	<i>Capsicum annuum</i>	Lalmirch

Appendix-IV**Crop Calendar of Major Crops**

States/UTs (1)	Period (2)	Kharif Paddy (3)	Rabi Paddy (4)	Summer Paddy (5)	Kharif Bajra (6)	Rabi Bajra (7)	Summer Bajra (7)	Rabi Wheat (8)
Andhra Pradesh	Sowing	May-June	Nov-Dec	March-April	Jun-Jul	Nov(M)-Dec(M)	Jan	
	Harvesting	Nov-Dec	Mar-April	July-Aug.	Sept-Oct	Feb.-March	April	Nov(B)-Dec(M)
Assam	Sowing	Feb-March	June-July	Nov-Dec				Mar(E)-Apr(E)
	Harvesting	June-July	Nov-Dec	May-June				Nov(B)-Dec(E)
Bihar	Sowing	Jun-Aug.	Oct-Nov	Feb.-March				Mar(E)-Apr(E)
	Harvesting	Sep-Nov	April-May	July-Aug.				Mar(E)-Apr(E)
Goa	Sowing		May-June					
	Harvesting		Sept-Oct.					
Gujarat	Sowing		June-July		Jun(M)-Jul(M)	Oct(E)-Oct(M)	Feb(M)-Mar(E)	Nov(B)-Dec(B)
	Harvesting		Oct-Nov		Sep(M)-Oct(M)	Feb(E)-Feb(M)	May(M)-June(F)	Feb(E)-Mar(E)
Haryana	Sowing		June-July		Jul(E)-Jul(M)		Oct(E)-Jan(M)	
	Harvesting		Sept-Oct.		Sep(E)-Sep(L)		Apr(B)-May(B)	
Himachal Pradesh	Sowing		May-June				Oct(B)-Dec(E)	
	Harvesting		October				Apr(M)-Jun(E)	
Jammu & Kashmir	Sowing		April-May				Oct(B)-Dec(E)	
	Harvesting		Sept-Oct.				Apr(E)-Jun(E)	
Karnataka	Sowing	May-June	Sept-Oct.	Jan-Feb.	June(L)-July(M)	Jan(E)-Jan(M)	Oct(M)-Nov(E)	
	Harvesting	Sept-Oct.	Jan-Feb	May-June	Sep(L)-Oct(M)	Apr(L)-May(E)	Feb(B)-Mar(E)	
Kerala	Sowing	April-May	Sept-Oct.	Dec-Jan.				

Appendix-IV (contd.)

States/UTs	Period	Kharif Paddy	Rabi Paddy	Summer Paddy	Kharif Bajra	Rabi Bajra	Summer Bajra	Rabi Wheat
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	
Harvesting	Sept-Oct.	Dec-Jan.	March-April					contd...
Madhya Pradesh	Sowing	June-July		Jul(E)-Jul(L)	Feb(L)-Mar(E)	Nov(B)-Dec(E)		
	Harvesting	Oct-Nov		Oct(E)-Oct(L)	Jun(E)-June(M)	Feb(E)-Apr(M)		
Maharashtra	Sowing	June-July		Jun(L)-Jul(E)	Jan(L)-Feb (E)	Nov(M)-Dec(E)		
	Harvesting	Oct-Nov		Sep(L)-Oct(E)	May(E)-May(M)	Feb(B)-Mar(E)		
Odisha	Sowing	May-June	June-July	Dec-Jan.		Oct-Nov		
	Harvesting	Sept-Oct.	Nov-Dec	April-May		Mar-Apr		
Punjab	Sowing	May-July		Jul(M)-Aug (E)	Oct(F)-Jan(M)	Oct(F)-Jan(M)		
	Harvesting	Oct-Nov		Oct(M)-Oct(L)	Apr(M)-May(B)	Apr(M)-May(B)		
Rajasthan	Sowing	June-July		Jun(L)-Jul(M)	Feb(M)-Mar(E)	Oct(E)-Dec(E)		
	Harvesting	Oct-Nov		Sep(L)-Oct(M)	May(L)-June(M)	Mar(B)-April(E)		
Tamil nadu	Sowing	May-June	Sept-Oct.	Jan.-Feb.	Jun(M)-Jul(M)	Sep (M)- Oct (M)	Feb (M)-Mar (M)	
	Harvesting	Sept-Oct.	Jan.-Feb	May-June	Sep(M)-Oct(M)	Dec (M)- Jan (M)	May (M)-June (M)	
Telangana	Sowing	June-July	Nov-Dec		March-April			
	Harvesting	Nov-Dec	Mar-April		July-Aug			
Uttar Pradesh	Sowing	June-July	Nov-Dec		Jul(E)-Jul(M)	Mar (E)-Mar (M)	Oct(E)-Jan(E)	
	Harvesting	Oct-Nov	April-May		Oct(E)-Oct(M)	May (L)-June (E)	Mar(M)-Apr(E)	
West Bengal	Sowing	April-July		Nov-Dec		Nov(B)-Dec(E)		
	Harvesting	Aug-Nov		April-May		Mar(B)-Apr (B)		
All India	Sowing	May-Aug	Dec-Jan.		Jun-Jul	Jan-Feb	Oct-Dec	
	Harvesting	Sep-Jan	April-May		Sep-Nov	Apr-May	Feb-Jun	

Appendix-IV(contd.)

States	Period	Early duration Arhar/Tur	Mid early duration Arhar/Tur	Medium duration Arhar/Tur	Long duration Arhar/Tur
(1)	(2)	(3)	(4)	(5)	(6)
Andhra Pradesh	Sowing	June(M)-June (E)	July (B)-July (M)	July (B)-July (M)	-
	Harvesting	Nov (M)- Nov (E)	Dec (M)-Dec(E)	Jan (B) - Jan (M)	-
Karnataka	Sowing	June(M)-June (E)	July (B)-July (M)	July (B)-July (M)	-
	Harvesting	Nov (M)- Nov (E)	Dec (M)-Dec(E)	Jan (B) - Jan (M)	-
Maharashtra	Sowing	June(M)-June (E)	July (B)-July (M)	July (B)-July (M)	-
	Harvesting	Nov (M)- Nov (E)	Dec (M)-Dec(E)	Jan (B) - Jan (M)	-
Rajasthan	Sowing	June(B)-June (M)	-	-	-
	Harvesting	Nov (B)-Nov(M)	-	-	-
Uttar Pradesh	Sowing	June(B)-June (M)	-	-	Jul(B)-July(M)
	Harvesting	Nov.(B) – Nov(M)	-	-	April(B)-April(M)
Tamil Nadu	Sowing	June(B)-June (M)	July (B)-July (M)	July (B)-July (M)	-
	Harvesting	Nov. (B)- Nov (M)	Dec (M)-Dec(E)	Jan (B) - Jan (M)	-
Gujarat	Sowing	June(M)-June (E)	July (B)-July (M)	July (B)-July (M)	-
	Harvesting	Nov (M) - Nov(E)	Dec(M)-Dec (E)	Jan (B) - Jan (M)	-
Bihar	Sowing	June(B)-June (M)	-	-	Jul(B)-July(M)
	Harvesting	Nov.(B) – Nov(M)	-	-	April(M)-April(B)
Madhya Pradesh	Sowing	June(M)-June (E)	June (M)-July (M)	July (B)-July (M)	-
	Harvesting	Nov(M)-Dec (M)	Nov (E)-Dec(E)	Jan (B) - Jan (M)	-
Uttarakhand	Sowing	June(B)-June (M)	-	-	-
	Harvesting	Nov. (M)- Nov(E)	-	-	-
Odisha	Sowing	June(B)-June (M)	-	June (E)-July (M)	-
	Harvesting	Nov. (M)- Nov(E)	-	Jan (B) - Jan (M)	-
Haryana	Sowing	June(B)-June (M)	-	-	-
	Harvesting	Oct (M)- Oct(E)	-	-	-
Punjab	Sowing	June(B)-June (M)	-	-	-
	Harvesting	Oct (M)- Oct(E)	-	-	-
Jharkhand	Sowing	June(B)-June (M)	-	June (E)-July (M)	July (B)- July (M)
	Harvesting	Nov (M)- Nov(E)	-	Jan (B) - Jan (M)	March(M)-April(B)
Chhattisgarh	Sowing	June(B)-June (M)	-	June (E)-July (M)	-
	Harvesting	Nov(B)-Nov (M)	-	Dec (E) - Jan (M)	-
Tripura	Sowing	June(B)-June (M)	-	-	-
	Harvesting	Nov. (B)- Nov(M)	-	-	-
Nagaland	Sowing	June(B)-June (M)	-	-	-
	Harvesting	Nov (B)- Nov(M)	-	-	-
All India	Sowing	June(B)-June (M)	June(M)-July (M)	July (B)- July (M)	July (B)- July (M)
	Harvesting	Nov (B)- Nov(M)	Nov(M)-Dec (E)	Dec (E)-Jan (M)	March(M)-April(E)

Appendix-IV(contd.)

State	Rapeseed-Mustard	Sowing Time	Harvesting Time
(1)	(2)	(3)	(4)
Andhra Pradesh	Mustard/ Banarasi rai	Nov (L)- Dec (E)	Feb-March
Assam	Toria/Mustard	Oct (M) - Dec (E)	Feb-March
Bihar	Mustard	Oct (E) - Oct (M)	Feb-March
	Toria	Sep (M)- Sep(L)	Jan-Feb
	Yellow Sarson	Oct (E)-Oct (M)	Feb-March
Chhattisgarh	Mustard	Oct (E)- Nov(M)	March
	Toria	Sep (L)	Dec-Jan
Delhi	Mustard	Oct (L)- Nov(E)	Feb-March
	Toria	Sep (L)	Jan
	Taramira	Nov(E)	March
Gujarat	Mustard	Oct(L)	Feb-March
	Yellow Sarson	Oct (L)	Feb
Haryana	Mustard	Oct (E)- Nov (E)	Feb-March
	Toria	Sep (E)	Dec-Jan
	Taramira	Nov(E)	March
Himachal Pradesh	Mustard	Oct (L)- Nov (L)	March-April
	Toria	Sep (E)-Sep (M)	Dec-Jan
	Brown Sarson	Oct (E)-Oct-(M)	April
	Gobhi Sarson	Sep (M) - Nov (L)	April
Jammu & Kashmir	Mustard	Oct(M)- Nov (E)	March-April
	Brown sarson	Oct (E)-Oct (L)	April-May
Jharkhand	Mustard	Oct (L)	March
	Toria	Sept (M)-Sep (L)	Jan-Feb
	Yellow Sarson	Oct (E)	Feb-March
Karnataka	Mustard	Oct (E)-Oct (L)	Feb
Madhya Pradesh	Mustard	Sep (L)-Nov (L)	Feb-March
	Toria	Sep (E)-Sept (M)	Dec-Jan

Appendix-IV(contd.)

State (1)	Rapeseed-Mustard (2)	Sowing Time (3)	Harvesting Time (4)
Manipur	Mustard	Nov (E)-(Nov (L)	March
	Toria	Oct (E)	Feb-March
Maharashtra	Mustard	Oct (M)- Nov (M)	Feb-March
Odisha	Mustard	Oct (M)- Nov (M)	Feb-March
	Toria	Oct (E) -Oct-(M)	Feb
Punjab	Yellow Sarson	Oct (E)	Feb-March
	Mustard	Oct (M)- Nov (L)	March- April
	Toria	Sep (E)-Sept (M)	Dec-Jan
	Taramira	Oct (E)-Oct(L)	March
	Gobhi Sarson	Oct (M)- Nov (M)	March-April
	Karan rai	Oct (M)- Nov (L)	March-April
Rajasthan	Mustard	Sep (M) - Oct (L)	Feb-March
	Taramira	Sep (L)- Oct (M)	March
Uttarakhand	Mustard/ Karan rai	Oct (L)- Nov (L)	March
	Toria	Sep (L)	Dec-Jan
Uttar Pradesh	Yellow Sarson	Oct (E)	March
	Mustard	Oct (E)-Oct (L)	Feb-March
	Toria	Sep (E)-Sept (M)	Dec-Jan
	Yellow Sarson	Oct (E)-Oct(L)	Feb-March
West Bengal	Mustard	Oct (M)-Nov(L)	Feb-March
	Toria	Sep (L)- Nov (M)	Feb
	Yellow Sarson	Oct (M)- Nov (M)	Feb-March

Appendix-IV(contd.)

States/UTs	Period	Kharif Cotton	Kharif Maize	Rabi Maize	Spring Maize
(1)	(2)	(3)	(4)	(5)	(6)
Andhra Pradesh	Sowing	Jun(E)-Jul(E)	Jun(M)-Jul(M)	Oct(E)-Jan(M)	
	Harvesting	Dec(E)-Mar(M)	Sep(M)-Oct(E)	Feb(E)-May(B)	
Bihar	Sowing	July(B)	Jun(M)-Jul(B)	Nov(B)-Dec(E)	Feb(B)-Feb(E)
	Harvesting	Oct(M)-Nov(M)	Oct(M)-Nov(M)	Feb(B)-Mar(B)	May(B)-May(E)
Gujarat	Sowing	May(B)-May(E)	Jun(E)-Jul(B)		
	Harvesting	Oct(B)-Apr(E)	Sep(B)-Nov(B)		
Haryana	Sowing	Apr(B)-Apr(M)	Jul(B)-Jul(M)		
	Harvesting	Oct(M)-Nov(M)	Oct(M)-Oct(E)		
Himachal Pradesh	Sowing		May(M)-Jun(E)		
	Harvesting		Sep(M)-Oct(M)		
Jammu	Sowing		Jun(E)-Jul(E)		
	Harvesting		Oct(M)-Nov(B)		
Kashmir	Sowing		May(B)-May(E)		
	Harvesting		Oct(B)-Oct(E)		
Karnataka	Sowing		May(M)-Jun(E)	Oct(B)-Oct(E)	
	Harvesting		Sep(B)-Oct(E)	Feb(B)-Mar(E)	
Kerala	Sowing	Jun(B)-Octl(E)			
	Harvesting	Dec(B)-Mar(E)			
Madhya Pradesh	Sowing	Jun-Jul	Jun(M)-Jul(E)		
	Harvesting	Nov-Jan	Aug(M)-Nov(E)		
Maharashtra	Sowing	Jun-July	Jul(B)-Aug(E)		
	Harvesting	Nov-Jan	Oct(B)-Nov(E)		
Odisha	Sowing	Jun-July	Jun-Jul		
	Harvesting	Nov-Jan	Sep-Oct		
Punjab	Sowing	Apr(B)-Mar(E)	May(B)-Jun(E)		Feb(B)-Feb(E)
	Harvesting	Oct(B)-Dec(E)	Sep(B)-Oct(E)		May(B)-May(E)
Rajasthan	Sowing	Apr(B)-May(E)	Jun(E)-Jul(M)		
	Harvesting	Nov(B)-Dec(E)	Oct(B)-Nov(E)		
Uttar Pradesh	Sowing	Apr(B)-Jun(E)	Jun(M)-Jul(M)		Feb(B)-Feb(E)
	Harvesting	Sep(B)-Nov(E)	Sep(M)-Oct(M)		May(B)-May(E)
West Bengal	Sowing	Oct(B)-Nov(E)	May(E)-Jun(E)	Nov(B)-Nov(E)	Feb(B)-Feb(E)
	Harvesting	June(B)-Aug(E)	Sep(M)-Oct(M)	Mar(B)-Mar(E)	May(B)-May(E)
Tamil Nadu	Sowing	Aug-Sept	Jun(E)-Jul(M)	Sep(E)-Oct(E)	Jan(E) - Feb (E)
	Harvesting	Feb(B)-April(E)	Oct(M)-Oct(E)	Jan(B)-Jan(E)	May (B) - May (E)
All India	Sowing	Apr-Jul	May-Aug	Sep-Jan	Jan(E) - Feb (E)
	Harvesting	Sep-Dec	Sep-Nov	Jan-May	May (B) - May (E)

Appendix-IV(contd.)

States/UTs	Period	Sugarcane		Jute Kharif (5)
		Kharif (3)	Rabi (4)	
(1)	(2)	(3)	(4)	(5)
Andhra Pradesh	Sowing		Dec(E)-Jun(M)	
	Harvesting		Dec(E)-May(M)	
Assam	Sowing		Mar(B)-Apr(E)	
	Harvesting		Dec(B)-Jan(E)	
Bihar	Sowing	Oct(B)-Nov(E)	Feb(B)-Mar(E)	
	Harvesting	Oct(B)-Dec(E)	Nov(B)-Feb(E)	
Haryana	Sowing		Feb(M)-Mar(M)	
	Harvesting		Dec(M)-March(E)	
Karnataka	Sowing		Dec(B)-Mar(E)*	
	Harvesting		Aug(B)-May(E)	
Kerala	Sowing		Dec(B)-Jan(E)***	Jun(B)-Oct(E)
	Harvesting		Dec(B)-Jan(E)	Oct(B)-Jan(E)
Madhya Pradesh	Sowing	Oct(B)-Apr(E)		
	Harvesting	Oct(E)-Mar(E)		
Maharashtra	Sowing	Jul(B)-Aug(E)		
	Harvesting	Oct(B)-Nov(E)		
Manipur	Sowing			Feb-Mar
	Harvesting			Aug-Sep
Odisha	Sowing		Feb-May	May-Jun
	Harvesting		Nov-Feb	Aug-Sep
Punjab	Sowing		Feb(B)-Mar(E)	
	Harvesting		Nov(B)-Feb(E)	
Rajasthan	Sowing		Mar(B)-Apr(E)	
	Harvesting		Dec(B)-Mar(E)	
Tamil Nadu	Sowing	Jun(B)-Aug(E)	Dec(B)-Jan(E)***	
	Harvesting	May(B)-Aug(E)	Dec(B)-Jan(E)	
Tripura	Sowing		Feb-May	Mar-May
	Harvesting		Dec-Mar	Aug-Sep
West Bengal	Sowing	Oct(B)-Apr(E)		Mar(B)-May(E)
	Harvesting	Oct(B)-Mar(E)		Jul(B)-Aug(E)
All India	Sowing	Jun(B)-Oct(E)	Feb(B)-Aug(E)	Feb-Jun
	Harvesting	Oct(B)-Jan(E)	Aug(B)-Nov(E)	Aug-Oct

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

B: Beginning E: Early M: Middle L: Late

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

Appendix-V**Harvesting Season of Major Fruits**

State /Uts	Mango	Apple	Banana	Lime/Lemon	Grapes
(1)	(2)	(3)	(4)	(5)	(6)
Andhra Pradesh	April - may	*	round the year	Oct. - Dec.	March-April
Arunanchal Pradesh	*	Oct.	round the year	round the year	*
Assam	Jun. - Aug.	*	round the year	June - Sep.	*
Bihar	June - July	*	Sept. -Nov.	*	*
Chhattisgarh	April - June	*	Feb-March.&	March-April &	*
			July-Sep.	July-Aug.	
Delhi	*	*	*	*	
Goa	*	*	round the year	*	
Gujarat	May	*	Sept. -Nov.	Sep.-oct.	*
Haryana	July	*	*	Dec.	June
Himachal Pradesh	July	Aug. - Sep.	July - Aug.	Nov-Jan.	July
Jammu & Kashmir	July	Sep. - Oct.	*	Nov-Dec.	June - July
Jharkhand	May - June	*	Sept. -Nov.	Sept. -Dec.	*
Karnataka	April - June	*	July-Nov.	July-Sep.	*
Kerala	Feb. - March	*	Aug.-Sept. &	*	*
			Nov.-Dec.		
Madhya Pradesh	May-June	*	July - Aug.	July-Sep.	March-April
Maharashtra	April - may	*	round the year	March-April	March & May
Manipur	*	*	August	Dec.	*
Meghalaya	*	*	June	*	*
Mizoram	July	*	Feb	Aug.	Oct.
Nagaland	July	*	round the year	*	*
Odisha	April - June	*	Sep. to Dec.	Aug.-Sep.	*
Punjab	June	*	*	round the year	May-June
Rajasthan	June	*	*	Aug.	June
Sikkim	June	*	Sep.-Oct.	*	*
Tamil Nadu	May-June	*	round the year	Feb. - March	May & Nov.
Tripura	June	*	round the year	June - July	*
Uttar Pradesh	June	*	Aug.-Sep.	Dec.	June
Uttarakhand	June-Aug	July - Aug.	May-Aug.	May.-July &	*
				Nov.-Dec.	
West Bengal	June-July	*	Aug.-Sep.	Sep.	*
Andaman & Nicobar	Jan. - April	*	Jan.-March &	*	*
			Oct.-Dec.	*	
Chandigarh	*	*	*	*	*
D & N Haveli	May	*	Sep.-Nov.	*	*
Daman & Diu	May	*	Sep.-Nov.	*	*
Lakshadweep	*	*	round the year	*	*
Puducherry	June-July	*	Aug.	Jan.	*

Source: Indian Horticulture Database -2014.

*Information not available.

Appendix-VI**Harvesting Season of Major Vegetables**

State/UT	Potato	Onion	Tomato	Cabbage	Cauliflower
(1)	(2)	(3)	(4)	(5)	(6)
Andhra Pradesh	April - June	April & June	round the year	Nov. & Jan.	Nov. & Jan.
		Sep.-Nov.			
Arunanchal Pradesh	*	*	*	*	*
Assam	Dec. - Jan.	Dec. - Feb.	Dec.-Feb.	Jan.-Feb.	Nov. - Feb.
Bihar	Jan.-Feb.	March-April	Jan.-Feb.	Nov. - Feb.	Dec.-Feb.
Chhattisgarh	Jan. - Mar.	March-April	Aug.-Feb.	Aug.-Feb.	Aug.-Feb.
Delhi	*	*	*	*	*
Goa	*	*	*	*	*
Gujarat	Jan.	Feb.	Dec. - Mar.	Dec.-Feb.	Dec.-Feb.
Haryana	Feb.-Mar.	April & Dec.	April-Oct.	Jan.	Jan.
Himachal Pradesh	May-June &	May-June	May-Aug.	Sep.-Dec. &	Dec.-Feb.&
				Feb.	Aug.-Oct.
Jammu & Kashmir	April & July	May-June	April	Oct.-April	Oct. - April
Jharkhand	Dec.-Feb.	March. - April.	Feb.& Dec.	Nov. - Dec.	Oct. - Dec..
Karnataka	Feb.-March &	April - June &	May-July	round the year	round the year
		Sep.-Oct.	Sep.-Oct.		
Kerala	*	*	*	*	*
Madhya Pradesh	Feb. - March	March. - April.	Oct. & Dec.-Feb.	Jan.-Feb.	Jan.-Feb.
Maharashtra	Mar. - May.	April	round the year	Jan.-Feb.	*
Manipur	Dec.- Jan.	*	July-Aug.	July-Aug.	Oct. - Jan.
Meghalaya	April	Dec.	April	Aug.	Oct.
Mizoram	Sep.	March	Aug.	Dec.	*
Nagaland	Feb.	Oct.	*	Feb.	March
Odisha	Feb. - March	Feb. -April	Jan.-March	Dec. - Mar.	Nov. - Feb.
Punjab	Dec.- Jan.	April	May	Dec. - Mar.	Dec.-Jan.
Rajasthan	Jan.-Feb.	April & Nov.	Nov.Dec.	Dec.	Jan.
Sikkim	June -Aug.	Feb. - March	June-Sep.	June-Oct.	Nov. - March.
Tamil Nadu	round the year	Aug. & Nov.	round the year	May.& Dec.	Feb. & Dec.
Tripura	*	*	*	*	*
Uttar Pradesh	Mar. - April.	March	Feb.	Jan.	Jan.
Uttarakhand	July-Aug. &	May	Nov.-Jan.&	Nov.-Aug.	Nov. - Feb.&
	Oct.-Dec.		May-June		July-Aug.
West Bengal	March	April	Jan. - Feb.	Nov.-Feb.	Dec. - Jan.
Andaman & Nicobar	*	*	Oct.-March &	Nov.-Jan.	Nov. - Jan.
			June - July		
Chandigarh	*	*	*	*	*
D & N Haveli	Jan.	Feb.	Dec.-Feb.	Dec.- Feb.	Dec. - Feb.
Daman & Diu	Jan.	*	Dec.-Feb.	Dec.- Feb.	Dec. - Feb.
Lakshadweep	*	*	*	*	*
Puducherry	April & July	April & Nov.	*	*	*

Source: Indian Horticulture Database -2014.

* Information not available.

Appendix-VII

Seed Rate of sowing for important field crops

Crop (1)	Variety Seed Rate (2)	(Kg/Ha)
		Hybrid Seed Rate (3)
Cereals		
Rice	25-40	12-15 for normal planting 5 under SRI planting
Wheat	100	
Barley	100	
Sorghum	Grain Rabi 8-10; Grain Kharif 10	7.5
Pearl Millet	4-5	4-5
Maize	Normal field corn 18-20; Fodder 30-40	20
Ragi	10-12.5	10-12.5
Pulses		
Pigeon pea	Early duration 17-19 Medium duration 15-17; Long duration 12-15	
Chickpea (Large seeded)	75-100	
Chickpea Desi (small seeded)	65-75	
Chickpea Kabuli	100-120	
Mungbean	Kharif-20, Rabi 25-30, Summer 20-30	
Urdbean	Kharif-20, Rabi 25-30, Summer 20-30	
Fieldpea	80-100	
Lentil	50-60	
Rajmash	75-100	
Mothbean	15-18	
Kulthi	22-30	
Oilseeds		
Groundnut	140-160	
Rapeseed & Mustard	3-5	3.5
Soybean	65-75	
Sunflower	5	5
Sesame	5	
Niger	5	
Safflower	7	
Linseed	30 for seed type 45 for dual purpose type	

Appendix-VII (contd.)

Crop	Variety Seed Rate	Hybrid Seed Rate
(1)	(2)	(3)
Castor	5	5
Forage crops		
Sorghum	25 in small seeded varieties; 40 in bold seeded varieties	
Maize	40-50	
Guar	20-30	
Pearl Millet	8-12	
Oats	80 (small), 100 (Bold)	
Berseem	20-25	
Gobhi Sarson	4	
Lucerne	15	
Fibre Crops		
Cotton	10-12	Bt. Cotton - 2.25 Non-Bt. Cotton 10
Jute	6 (olitorius), 7 (capsularis)	
Sunhemp	25	
Mesta	12 (Rosella), 15 (Kenaf)	
Sugar Crops		
Sugarcane	60 qtls. (40,000 sets of 3 buds in sub tropics) (20,000-25000 sets of 3 buds in tropics)	-

Source:- Indian Council of Agricultural Research (ICAR)

Notes

Notes

Notes

Notes



Agricultural Statistics at a Glance, a flagship publication of the Ministry of Agriculture and Farmers Welfare, provides comprehensive coverage of the developments in agriculture and allied sectors in India. This edition has been enriched with the updated information on crop production and productivity, agricultural inputs, price support and procurement, trade, credit and insurance, rainfall pattern, etc. In addition, the results of the latest Agriculture Census 2015-16 (Phase-I), Back Series data of National Accounts Statistics with Base Year 2011-12, and updated information on major recent initiatives by the Government, like Pradhan Mantri Fasal Bima Yojana (PMFBY), Soil Health Card, Micro Irrigation, etc., have been included in this edition.