



सत्यमेव जयते

POCKET BOOK OF  
AGRICULTURAL  
STATISTICS  
2020



**GOVERNMENT OF INDIA  
MINISTRY OF AGRICULTURE & FARMERS WELFARE  
DEPARTMENT OF AGRICULTURE, COOPERATION &  
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सत्यमेव जयते



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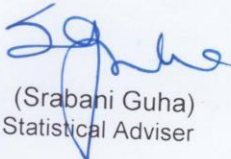
## PREFACE

The introduction of 'Pocket Book of Agricultural Statistics' in 2013 as an abridged version of 'Agricultural Statistics at a Glance' was conceived as an innovative idea to provide all the important statistics relating to agricultural sector in a concise format. The publication has received appreciation from various quarters and it has now become a regular publication of the Directorate of Economics & Statistics.

I am delighted to share with you the 2020 edition of 'Pocket Book of Agricultural Statistics'. Taking forward our endeavor to incorporate information on emerging areas which are frequently used in policy making, this edition has been enriched with the updated information on various new initiatives of the Government, viz., Pradhan Mantri Fasal Bima Yojana (PMFBY), Soil Health Card Scheme, Micro Irrigation, etc. It also includes latest international statistics on agriculture sector to provide a global perspective, in addition to demand-supply projections of agricultural commodities, trend in inflation of agricultural commodities, results of the Livestock Census 2019, etc. A copy of this publication has also been uploaded on our website <http://des-dacfw.nic.in> for information of public at large.

Congratulations to the Publication team led by Shri Anil Kumar Sharma, Adviser responsible for bringing out this publication.

Suggestions for improvement are most welcome which may be sent to [iac-des@gov.in](mailto:iac-des@gov.in).

  
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# ACRONYMS



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

DGCI&S	Directorate General of Commercial Intelligence & Statistics
DMI	Directorate of Marketing and Inspection
DMS	Delhi Milk Scheme
E	Estimated
EARAS	Establishment of an Agency for Reporting of Agricultural Statistics
ERFS	Extended Range Forecast System
F2	Black Soil
FAO	Food and Agriculture Organisation of the United Nations
FAOSTAT	FAO Statistics
FAQ	Fair Average Quality
FASAL	Forecasting Agricultural Output using Space, Agro-Meteorology and Land Based Observations
FCI	Food Corporation of India
FDI	Foreign Direct Investment
FFB	Fresh Fruit Bunch
FL	Family Labour
FOD	Field Operations Division of NSO
FRL	Full Reservoir Level
FYM	Farm Yard Manure
GCA	Gross Cropped Area
GCES	General Crop Estimation Survey
GCF	Gross Capital Formation
GDP	Gross Domestic Product
GNP	Gross National Product
GSDP	Gross State Domestic Product
GVA	Gross Value Added
GSVA	Gross State Value Added
H-4/H-6	Cotton variety (of Long Staple Length)
Ha	Hectares

HLCC	High Level Coordination Committee
HYV	High Yielding Varieties
I	Irrigated
IAS	Improvement of Agricultural Statistics
IASRI	Indian Agricultural Statistics Research Institute
ICAR	Indian Council of Agricultural Research
ICS	Improvement of Crop Statistics
IEG	Institute of Economic Growth
IIP	Index of Industrial Production
IMD	India Meteorological Department
ISOPOM	Integrated Scheme of Oilseeds, Pulses, Oilpalm and Maize
ISRO	Indian Space Research Organization
K	Potash
KCC	Kisan Credit Card
Kgs	Kilograms
KMPH	Kilometers Per Hour
KWH	Kilo Watt Hour
LPA	Long Period Average
LPCPD	Litres Per Capita Per Day
LS	Light Soil
MIS	Market Intervention Scheme
MNAIS	Modified National Agricultural Insurance Scheme
MNCFC	Mahalanobis National Crop Forecast Centre
MOFPI	Ministry of Food Processing Industries
MRP	Mixed Reference Period
MSCCGMF	Maharashtra State Co-operative Cotton Growers Marketing Federation
MSP	Minimum Support Price
MSR	Marketed Surplus Ratio

N	Nitrogen
N,P&K	Nitrogen, Phosphate and Potash
NA	Not Available/Not Announced
NAFED	National Agricultural Co-operative Marketing Federation of India Limited
NAIS	National Agricultural Insurance Scheme
NC	Not Collected
NCAER	National Council of Applied Economic Research
NCMRWF	National Centre for Medium Range Weather Forecast
NDDB	National Dairy Development Board
Neg.	Negligible
NFSA	National Food Security Act
NFSM-OP	National Food Security Mission – Oilpalm
NHB	National Horticulture Board
NHM	National Horticulture Mission
NMOOP	National Mission on Oilseeds and Oilpalm
NNP	Net National Product
NQ	Not Quoted
NR	Not Recommended / Not Reported
NRSC	National Remote Sensing Centre
NS	New Series Estimates
NSA	Net Sown Area
NSO	National Statistical Office
NSSO	National Sample Survey Organisation
OECD	Organisation of Economic Cooperation and Development
OPAE	Oilpalm Area Expansion Programmes
OPDP	Oil Palm Development Programme
P	Provisional/ Phosphate
PACS	Primary Agricultural Credit Society

PDS	Public Distribution System
PHH	Priority Households
PLDB	Primary Land Development Bank
PM-AASHA	Pradhan Mantri – AnnadataAaySanrakshan Abhiyan
PMFBY	Pradhan Mantri FasalBima Yojana
PMKSY	Pradhan Mantri Krishi Sinchayee Yojana
PSE	Producers Support Estimate
PSEs	Public Sector Enterprises
PSF	Price Stabilization Fund
PSS	Price Support Scheme
QE	Quick Estimate
R	Revised
R&D	Research & Development
R&M	Rapeseed & Mustard
RBI	Reserve Bank of India
RE	Revised Estimates
RGI	Registrar General of India
RKVY	Rashtriya Krishi Vikas Yojana
RMC	Regional Ministers Conference
RRBB	Regional Rural Bank Branch
RWBCIS	Restructured Weather Based Crop Insurance Scheme
SAC	Space Application Centre
SASA	State Agricultural Statistical Authority
SCB	State Cooperative Bank
SDP	State Domestic Product
SFAC	Small Farmers Agri-Business Consortium
SHC	Soil Health Card
SLDB	State Land Development Bank

SRS	Sample Registration Scheme
SSP	Single Super Phosphate
SWC	State Warehousing Corporation
T	Target
T E	Triennium Ending
TD-5	TossaDeshi variety of Jute
TPDS	Targeted Public Distribution System
TRQ	Tariff Rate Quota
TRRM	Tropical Rains Measuring Mission
TRS	Timely Reporting Scheme
TT	Tentative Targets
UI	Un-irrigated
URP	Uniform Reference Period
UT	Union Territory
WBCIS	Weather Based Crop Insurance Scheme
WPI	Wholesale Price Index
WTO	World Trade Organisation

1.

# SOCIO-ECONOMIC INDICATORS

**Table1.1: Selected Economic and Social Indicators**

Indicators	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
<b>Macro Economic Indicators</b>										
GDP <sup>a</sup> at current prices (₹ crore)	7248860	8736329	9944013	11233522	12467959	13771874	15391669	17090042*	18886957#	20351013@
GDP <sup>a</sup> at constant prices (₹ crore)	4918533	8736329	9213017	9801370	10527674	11369493	12308193	13144582*	14003316#	14569268@
Per capita Income <sup>b</sup> at constant prices (₹)	36202	63462	65538	68572	72805	77659	83003	87586*	92241#	94566@
Rate of Gross Capital Formation to GDP at current prices <sup>c</sup> (percentage)	36.5	39.0	38.7	33.8	33.5	32.1	32.0	33.9*	32.7#	32.2@
Rate of Gross Domestic Savings to GDP at current prices <sup>c</sup> (percentage)	33.7	34.6	33.9	32.1	32.2	31.1	31.3	32.1*	30.6#	31.4@
Index of Agricultural Production <sup>d</sup>	121.0	124.3	124.0	129.8	124.0	120.8	132.8	139.4	138.1	142.4
Index of Industrial Production (IIP) <sup>e</sup>	165.5	170.3	103.3	106.7	111.0	114.7	120.0	125.3	130.1	129.0
Wholesale Price Index (WPI) <sup>e</sup>	143.3	156.1	106.9	112.5	113.9	109.7	111.6	114.9	119.8	121.8
Consumer Price Index for Industrial workers (CPI-IW) <sup>f</sup>	180.0	195.0	215.0	236.0	251.0	265.0	276.0	284.0	300.0	323.0
<b>Output</b>										
Foodgrains Production (million tonnes)	244.5	259.3	257.1	265.0	252.0	251.6	275.1	285.0	285.0	296.7**
Coal and Lignite Production (million tonnes)	570.4	582.3	602.9	610.0	657.4	683.0	703.1	722.7	773	771.3
Crude Oil Production (million tonnes)	37.7	38.1	37.9	37.8	37.5	36.9	36.0	35.6	34.2	32.2
Electricity Generated (utilities only) [billion KWH]	844.8	922.5	964.5	1026.6	1105.1	1167.6	1235.4	1303.5	1371.8	1383.5
<b>Foreign Trade</b>										
Exports (₹ crore)	1136964	1465959	1634318	1905011	1896348	1716384	1849434	1956515	2307726	2219854
(US \$ million)	249816	305964	300401	314405	310338	262291	275852	303526	330078	313361
Imports (₹ crore)	1683467	2345463	2669162	2715421	2736677	2490304	2577675	3001033	3594675	3360954
(US \$ million)	369769	489319	490737	450198	447964	381007	384357	465581	514078	474709
Foreign exchange reserves <sup>g</sup> [excluding gold, SDRs and Reserve Tranche Position at IMF] (₹ crore)	1224883	1330511	1412630	1660910	1985460	2219060	2244939	2597569	2665564	3333815
(US \$ million)	274330	260069	259726	276359	317324	336104	346319	399442	385357	442213
<b>Social Indicators</b>										
Population (Million) <sup>h</sup>	1186.0	1220.0	1235.0	1251.0	1267.0	1283.0	1299.0	1314.0	1327	1341
Birth Rate (per 1000)	21.8 <sup>i</sup>	21.6 <sup>i</sup>	21.4 <sup>i</sup>	21.0 <sup>i</sup>	20.8 <sup>i</sup>	20.4 <sup>i</sup>	20.2 <sup>i</sup>	NA	NA	NA
Death Rate (per 1000)	7.1 <sup>i</sup>	7.0 <sup>i</sup>	7.0 <sup>i</sup>	6.7 <sup>i</sup>	6.5 <sup>i</sup>	6.4 <sup>i</sup>	6.3 <sup>i</sup>	NA	NA	NA
Life Expectancy at Birth (in Years)	67.0	67.5	67.9	68.3	68.7	69.0	NA	NA	NA	NA
(a) Male	65.4	65.8	66.4	66.9	67.4	67.8	NA	NA	NA	NA
(b) Female	68.8	69.3	69.6	70.0	70.2	70.4	NA	NA	NA	NA
Education: Literacy Rate (%) <sup>j</sup>	73.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
(a) Male	82.1	NA	NA	NA	NA	NA	NA	NA	NA	NA
(b) Female	65.5	NA	NA	NA	NA	NA	NA	NA	NA	NA

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

\* 3rd Revised Estimates (New Series); \*\* 4th Advance Estimates; # 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 for 2010-11 are percentages of GDP at market prices (2004-05 series) and from 2011-12 onwards are percentage of GDP estimates based on 2011-12 series

d: Base year for data from 2010-11 onwards is T.E. 2007-08

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

f: Figures from 2010-11 onwards are based on Base Year: 2001=100.

g: As on end-March.

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

Estimates for 2010-11 refers to abridged life expectancy table of period 2008-12, 2011-12 refers to 2009-13, 2012-13 refers to 2010-14 and 2013-14 refers to 2011-15 and so on.

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

j: The figures for 2011 census to population aged 7 years and above.



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

											(₹ crore)
Sl.No.	Industry	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18*	2018-19#	2019-20@	2020-21`
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
<b>I</b>	<b>Agriculture, forestry and fishing</b>	<b>1501947</b>	<b>1675107</b>	<b>1926372</b>	<b>2093612</b>	<b>2227533</b>	<b>2518662</b>	<b>2829826</b>	<b>3016277</b>	<b>3394033</b>	<b>3587986</b>
	Crops	982151	1088814	1248776	1292874	1327992	1486044	1633264	1668832	1972394	-
	Livestock	327334	368823	422733	510411	582410	672611	785683	880623	962682	-
	Forestry and logging	124436	137558	156674	173760	184411	205364	217603	253971	236346	-
	Fishing and aquaculture	68027	79911	98190	116567	132720	154643	193275	212851	222611	-
<b>II</b>	<b>Industry</b>	<b>2635023</b>	<b>2923393</b>	<b>3190871</b>	<b>3448189</b>	<b>3766249</b>	<b>4097108</b>	<b>4528864</b>	<b>4982927</b>	<b>4920384</b>	<b>4543742</b>
	Mining and quarrying	261035	285842	295794	308476	294011	326808	336109	377171	355833	279223
	Manufacturing	1409986	1572837	1713452	1878369	2146189	2333721	2566623	2805330	2712269	2538696
	Electricity, gas, water supply & other utility services	186668	215350	260155	282258	334965	355709	425718	450631	483644	476906
	Construction	777335	849365	921470	979086	991084	1080870	1200414	1349795	1368638	1248917
<b>III</b>	<b>Services</b>	<b>3969975</b>	<b>4604192</b>	<b>5245910</b>	<b>5962479</b>	<b>6580717</b>	<b>7349430</b>	<b>8146975</b>	<b>9162009</b>	<b>10146926</b>	<b>9649392</b>
	<b>GVA at basic prices</b>	<b>8106946</b>	<b>9202692</b>	<b>10363153</b>	<b>11504279</b>	<b>12574499</b>	<b>13965200</b>	<b>15505665</b>	<b>17161213</b>	<b>18461343</b>	<b>17781120</b>
	<b>GDP at market prices</b>	<b>8736329</b>	<b>9944013</b>	<b>11233522</b>	<b>12467959</b>	<b>13771874</b>	<b>15391669</b>	<b>17090042</b>	<b>18886957</b>	<b>20351013</b>	<b>19586161</b>

Source: National Statistical Office

\*: Third Revised Estimates; #: Second Revised Estimates; @: First Revised Estimates; `: Second Advance Estimates

Note: Totals may not tally due to rounding off

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

											(₹ crore)
Sl.No.	Industry	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18*	2018-19#	2019-20@	2020-21`
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
<b>I</b>	<b>Agriculture, forestry and fishing</b>	<b>1501947</b>	<b>1524288</b>	<b>1609198</b>	<b>1605715</b>	<b>1616146</b>	<b>1726004</b>	<b>1840023</b>	<b>1887145</b>	<b>1968571</b>	<b>2028288</b>
	Crops	982151	983809	1037060	998425	969344	1020258	1075111	1057785	1099586	-
	Livestock	327334	344375	363558	390449	419637	461572	497830	539945	577720	-
	Forestry and logging	124436	124743	132093	134609	136960	144547	152351	164330	164894	-
	Fishing and aquaculture	68027	71362	76487	82232	90205	99627	114730	125084	126370	-
<b>II</b>	<b>Industry</b>	<b>2635023</b>	<b>2721167</b>	<b>2824188</b>	<b>3021899</b>	<b>3311317</b>	<b>3566953</b>	<b>3775996</b>	<b>3976522</b>	<b>3927606</b>	<b>3606910</b>
	Mining and quarrying	261035	262609	263107	288685	317974	349248	329612	330521	322116	292336
	Manufacturing	1409986	1486873	1560709	1683938	1903850	2054764	2209428	2326067	2269424	2079538
	Electricity, gas, water supply & other utility services	186668	191635	199601	214047	224158	246496	272650	294488	300532	306048
	Construction	777335	780050	800771	835229	865335	916445	964306	1025446	1035534	928988
<b>III</b>	<b>Services</b>	<b>3969975</b>	<b>4300819</b>	<b>4630263</b>	<b>5084519</b>	<b>5564407</b>	<b>6035328</b>	<b>6418152</b>	<b>6880536</b>	<b>7375294</b>	<b>6776297</b>
	<b>GVA at basic prices</b>	<b>8106946</b>	<b>8546275</b>	<b>9063649</b>	<b>9712133</b>	<b>10491870</b>	<b>11328285</b>	<b>12034171</b>	<b>12744203</b>	<b>13271471</b>	<b>12411495</b>
	<b>GDP at market prices</b>	<b>8736329</b>	<b>9213017</b>	<b>9801370</b>	<b>10527674</b>	<b>11369493</b>	<b>12308193</b>	<b>13144582</b>	<b>14003316</b>	<b>14569268</b>	<b>13408882</b>

Source: National Statistical Office

\*: Third Revised Estimates; #: Second Revised Estimates; @: First Revised Estimates; `: Second Advance Estimates

Note: Totals may not tally due to rounding off

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

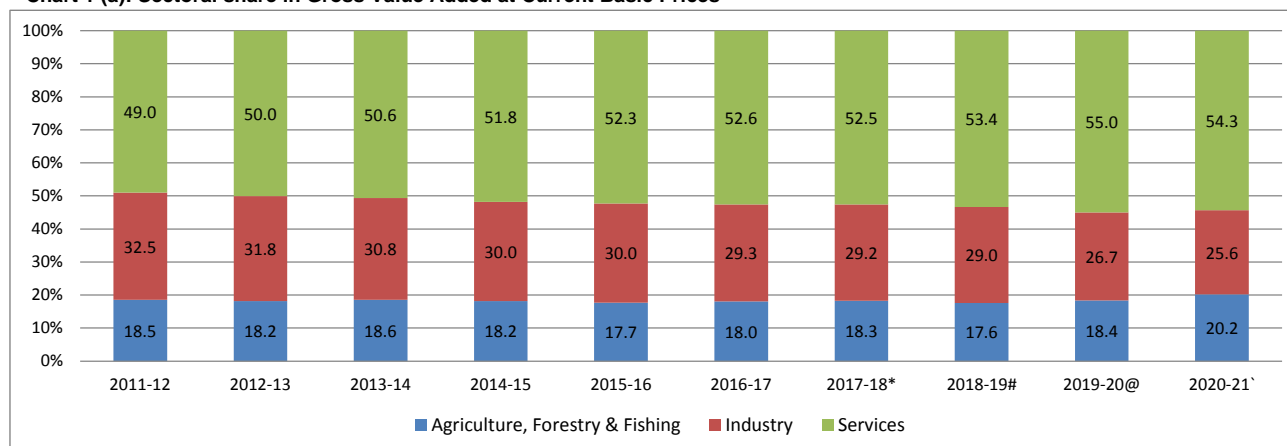
											(Percentage)
S.No.	Industry	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18*	2018-19#	2019-20@	2020-21`
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
<b>I</b>	<b>Agriculture, forestry &amp; fishing</b>	<b>18.5</b>	<b>18.2</b>	<b>18.6</b>	<b>18.2</b>	<b>17.7</b>	<b>18.0</b>	<b>18.3</b>	<b>17.6</b>	<b>18.4</b>	<b>20.2</b>
	Crops	12.1	11.8	12.1	11.2	10.6	10.6	10.5	9.7	10.7	-
	Livestock	4.0	4.0	4.1	4.4	4.6	4.8	5.1	5.1	5.2	-
	Forestry and logging	1.5	1.5	1.5	1.5	1.5	1.5	1.4	1.5	1.3	-
	Fishing and aquaculture	0.8	0.9	0.9	1.0	1.1	1.1	1.2	1.2	1.2	-
<b>II</b>	<b>Industry</b>	<b>32.5</b>	<b>31.8</b>	<b>30.8</b>	<b>30.0</b>	<b>30.0</b>	<b>29.3</b>	<b>29.2</b>	<b>29.0</b>	<b>26.7</b>	<b>25.6</b>
	Mining and quarrying	3.2	3.1	2.9	2.7	2.3	2.3	2.2	2.2	1.9	1.6
	Manufacturing	17.4	17.1	16.5	16.3	17.1	16.7	16.6	16.3	14.7	14.3
	Electricity, gas, water supply & other utility services	2.3	2.3	2.5	2.5	2.7	2.5	2.7	2.6	2.6	2.7
	Construction	9.6	9.2	8.9	8.5	7.9	7.7	7.7	7.9	7.4	7.0
<b>III</b>	<b>Services</b>	<b>49.0</b>	<b>50.0</b>	<b>50.6</b>	<b>51.8</b>	<b>52.3</b>	<b>52.6</b>	<b>52.5</b>	<b>53.4</b>	<b>55.0</b>	<b>54.3</b>
	<b>GVA at basic prices</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

Source: National Statistical Office

\*: Third Revised Estimates; #: Second Revised Estimates; @ : First Revised Estimates; `: Second Advance Estimates

Note: Totals may not tally due to rounding off

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



Source: National Statistical Office

\*: Third Revised Estimates; #: Second Revised Estimates; @ : First Revised Estimates; `: Second Advance Estimates

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

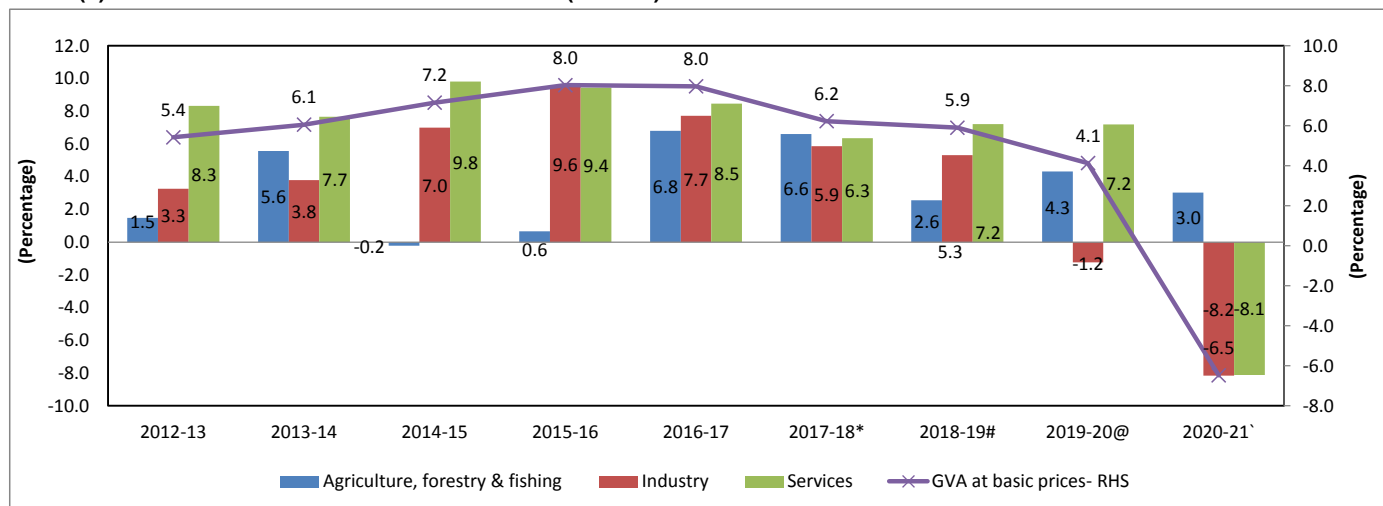
		(Percentage)								
S.No	Industry	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18*	2018-19#	2019-20@	2020-21`
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
<b>I</b>	<b>Agriculture, forestry &amp; fishing</b>	<b>1.5</b>	<b>5.6</b>	<b>-0.2</b>	<b>0.6</b>	<b>6.8</b>	<b>6.6</b>	<b>2.6</b>	<b>4.3</b>	<b>3.0</b>
	Crops	0.2	5.4	-3.7	-2.9	5.3	5.4	-1.6	4.0	-
	Livestock	5.2	5.6	7.4	7.5	10.0	7.9	8.5	7.0	-
	Forestry and logging	0.2	5.9	1.9	1.7	5.5	5.4	7.9	0.3	-
	Fishing and aquaculture	4.9	7.2	7.5	9.7	10.4	15.2	9.0	1.0	-
<b>II</b>	<b>Industry</b>	<b>3.3</b>	<b>3.8</b>	<b>7.0</b>	<b>9.6</b>	<b>7.7</b>	<b>5.9</b>	<b>5.3</b>	<b>-1.2</b>	<b>-8.2</b>
	Mining and quarrying	0.6	0.2	9.7	10.1	9.8	-5.6	0.3	-2.5	-9.2
	Manufacturing	5.5	5.0	7.9	13.1	7.9	7.5	5.3	-2.4	-8.4
	Electricity, gas, water supply & other utility services	2.7	4.2	7.2	4.7	10.0	10.6	8.0	2.1	1.8
	Construction	0.3	2.7	4.3	3.6	5.9	5.2	6.3	1.0	-10.3
<b>III</b>	<b>Services</b>	<b>8.3</b>	<b>7.7</b>	<b>9.8</b>	<b>9.4</b>	<b>8.5</b>	<b>6.3</b>	<b>7.2</b>	<b>7.2</b>	<b>-8.1</b>
	<b>GVA at basic prices</b>	<b>5.4</b>	<b>6.1</b>	<b>7.2</b>	<b>8.0</b>	<b>8.0</b>	<b>6.2</b>	<b>5.9</b>	<b>4.1</b>	<b>-6.5</b>
	<b>GDP at market prices</b>	<b>5.5</b>	<b>6.4</b>	<b>7.4</b>	<b>8.0</b>	<b>8.3</b>	<b>6.8</b>	<b>6.5</b>	<b>4.0</b>	<b>-8.0</b>

Source: National Statistical Office

\*: Third Revised Estimates; #: Second Revised Estimates; @ : First Revised Estimates; `: Second Advance Estimates

Note: Totals may not tally due to rounding off

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



Source: National Statistical Office

\*: Third Revised Estimates; #: Second Revised Estimates; @ : First Revised Estimates; `: Second Advance Estimates

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

(Percentage)

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

Source: National Statistical Office

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

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

(Percentage)

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

Source: National Statistical Office

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

2.  
OUTLAY,  
EXPENDITURE &  
CAPITAL  
FORMATION

**Table 2.1: Outlay and Expenditure on major Schemes implemented by Departments under Ministry of Agriculture & Farmers Welfare**

(₹ Crore)

S.No.	Department	Actual 2018-19	Budget 2019-20	Revised 2019-20	Actual 2019-20	Budget 2020-21	Revised 2020-21	Budget 2021-22
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
<b>A. Department of Agriculture, Cooperation and Farmers Welfare (DAC&amp;FW)</b>								
<b>I. Central Sector Schemes/Projects</b>								
1	Crop Insurance Scheme: Pradhan Mantri Fasal Bima Yojana	11937.02	14000.00	13640.85	12639.22	15695.00	15306.55	16000.00
2	Interest Subsidy for Short Term Credit to Farmers	11495.66	18000.00	17863.43	16218.74	21175.00	19831.75	19468.31
3	Market Intervention Scheme and Price Support Scheme (MIS-)	1400.00	3000.00	2010.20	2004.60	2000.00	996.00	1500.50
4	Pradhan Mantri Annadata Aay Sanrakshan Yojna (PM-AASHA)	4721.12	1500.00	321.00	313.18	500.00	300.00	400.00
5	Distribution of Pulses to State / Union Territories for Welfare Schemes	...	800.00	370.00	733.90	800.00	620.00	300.00
6	Promotion of Agricultural Mechanization for in-situ Management of Crop Residue	584.33	600.00	594.29	594.23	600.00	600.00	700.00
7	Income Support Scheme/ Pradhan Mantri Kisan Samman Nidhi (PM-Kisan)	1241.13	75000.00	54370.15	48713.84	75000.00	65000.00	65000.00
8	Pradhan Mantri Kisan Pension Yojana	-	900.00	200.00	125.00	220.00	50.00	50.00
9	Formation and Promotion of 10,000 Farmer Producer Organizations (FPOs)	-	-	-	-	500.00	250.00	700.00
<b>Total Central Sector Schemes/Projects</b>		<b>31379.26</b>	<b>113800.00</b>	<b>89369.92</b>	<b>81342.71</b>	<b>116490.00</b>	<b>103162.30</b>	<b>105018.81</b>
<b>II. Centrally Sponsored Schemes</b>								
1	<b>Pradhan Mantri Krishi Sinchai Yojana (PMKSY)- Per Drop More Crop</b>	2918.37	3500.00	2032.20	2700.04	4000.00	2563.20	4000.00
<b>2 Green Revolution</b>								
a	Rashtriya Krishi Vikas Yojana	3370.38	3745.00	2760.00	3085.44	3700.00	2551.21	3712.44
b	National Food Security Mission	1605.79	2000.00	1776.90	1768.52	2100.00	1863.97	2096.00
c	National Project on Organic Farming	2.76	2.00	2.00	0.44	12.50	11.50	12.00
d	Organic Value Chain Development for North East Region	175.49	160.00	160.00	103.80	175.00	175.00	200.00
e	National Project on Soil Health and Fertility	313.62	324.20	155.85	159.22	315.00	222.70	315.00
f	Rainfed Area Development and Climate Change	216.24	250.00	146.06	186.92	202.50	145.00	180.00
g	Paramparagat Krishi Vikas Yojana	328.69	325.00	299.36	283.66	500.00	350.00	450.00
h	National Project on Agro-Forestry	28.58	50.00	28.00	27.73	36.00	29.00	34.00
i	National Mission on Oil Seed and Oil Palm	341.32	-	-	-	-	-	-
j	National Mission on Horticulture	1996.85	2225.00	1583.50	1331.28	2300.00	1609.75	2385.00
k	Sub- Mission on Seed and Planting Material	332.51	380.13	300.00	283.63	378.77	324.80	448.00
l	Sub- Mission on Plant Protection and Plant Quarantine	29.27	50.00	34.00	30.29	40.00	46.15	45.00
m	Sub- Mission on Agriculture Extension	890.59	950.00	940.00	931.70	1200.00	940.00	1173.75
n	Information Technology	40.85	40.00	31.13	35.95	40.00	45.00	50.00
o	Sub- Mission on Agriculture Mechanisation	1100.78	1000.00	1015.00	964.80	1000.00	1022.00	1050.00
p	Integrated Scheme on Agriculture Census and Statistics	237.89	224.22	175.00	200.49	320.00	343.42	374.00
q	Integrated Scheme on Agricultural Cooperation	137.79	85.00	140.00	143.97	400.00	350.00	373.00
r	Integrated Scheme on Agriculture Marketing	458.19	600.00	331.10	272.55	490.00	350.00	410.00
s	National Bamboo Mission	150.04	150.00	87.00	84.51	110.00	94.00	100.00
<b>Total Centrally Sponsored Schemes</b>		<b>14168.69</b>	<b>16060.55</b>	<b>11997.10</b>	<b>12335.11</b>	<b>17319.77</b>	<b>13036.70</b>	<b>17408.19</b>
<b>III. Other Expenditure*</b>								
		528.24	624.66	536.98	573.80	590.00	558.92	590.57
<b>Total DAC&amp;FW (I+II+III)</b>		<b>46076.19</b>	<b>130485.21</b>	<b>101904.00</b>	<b>94251.62</b>	<b>134399.77</b>	<b>116757.92</b>	<b>123017.57</b>
<b>B. Department of Agricultural Research and Education (DARE)</b>								
<b>I. Central Sector Schemes/Projects</b>								
1	Agricultural Extension	205.53	221.15	221.15	221.50	242.50	237.49	328.00
2	Agricultural Engineering	59.50	64.02	64.02	64.02	70.00	58.55	65.00
3	Management of Natural Resources	192.72	207.04	204.83	204.83	226.00	223.21	250.00
4	Crop Sciences	868.49	934.47	858.61	858.61	964.50	835.97	968.00
5	Animal Sciences	421.32	453.37	452.39	452.39	486.00	419.88	462.00
6	Agricultural Education	761.16	818.95	687.61	687.61	740.00	529.90	613.00
<b>Total Central Sector Schemes/Projects</b>		<b>2508.72</b>	<b>2699.00</b>	<b>2488.61</b>	<b>2488.61</b>	<b>2729.00</b>	<b>2305.00</b>	<b>2686.00</b>
<b>II. Other Expenditure*</b>								
		5035.53	5379.76	5357.56	5034.76	5633.58	5457.38	5827.62
<b>Total DARE (I+II)</b>		<b>7544.25</b>	<b>8078.76</b>	<b>7846.17</b>	<b>7523.37</b>	<b>8362.58</b>	<b>7762.38</b>	<b>8513.62</b>

Source: Budget Documents, Ministry of Finance

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

Notes:

1. Actual Expenditure and Budget Allocations are net of recoveries

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

**Table 2.2: Disaggregated Outlay and Expenditure on Developmental Heads by Ministry of Agriculture & Farmers Welfare**

(₹ Crore)					
S.No.	Department	Actual 2019-20	Budget 2020-21	Revised 2020-21	Budget 2021-22
(1)	(2)	(3)	(4)	(5)	(6)
<b>A. Department of Agriculture, Cooperation and Farmers Welfare</b>					
1	Crop Husbandry	66368.90	87361.07	76559.13	78413.49
2	Soil and Water Conservation	26.23	30.34	27.80	28.30
3	Agricultural Financial Institutions	16128.24	19098.22	18014.58	17679.14
4	Co-operation	193.97	365.50	320.16	343.57
5	Other Agricultural Programmes	300.82	1001.35	620.60	1089.90
6	Secretariat-Economic Services	132.70	147.12	133.67	147.28
7	Capital Outlay on Crop Husbandry	12.65	49.32	58.34	54.50
8	Capital Outlay on Other Agricultural Programmes	1.00	1.00	1.00	1.50
9	North-Eastern Areas	-	13380.98	11619.90	12242.70
10	Grants-in-aid to State Governments	11037.35	12817.72	9236.78	12667.66
11	Grants-in-aid to Union Territory Governments	49.67	147.15	165.96	349.53
12	Capital Outlay on North-Eastern Areas	-	-	-	-
<b>Total (DAC&amp;FW)</b>		<b>94251.62</b>	<b>134399.77</b>	<b>116757.92</b>	<b>123017.57</b>
<b>B. Department of Agricultural Research and Education (DARE)</b>					
1	Agricultural Research and Education	7517.30	7820.10	7258.34	7857.70
2	Secretariat-Economic Services	6.07	7.55	6.40	7.32
3	North-Eastern Areas	-	534.93	497.64	648.60
<b>Total (DARE)</b>		<b>7523.37</b>	<b>8362.58</b>	<b>7762.38</b>	<b>8513.62</b>

Source: Budget Documents, Ministry of Finance

Notes:

1. Actual Expenditure and Budget Allocations are net of recoveries

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

**Table 2.3: Budget Estimate, Revised Estimate and Actual Expenditure by Departments under Ministry of Agriculture and Farmers Welfare**

(₹ Crore)

Year	DAC&FW			DARE		
	Budget Estimate	Revised Estimate	Actual Expenditure*	Budget Estimate	Revised Estimate	Actual Expenditure*
(1)	(2)	(3)	(4)	(5)	(6)	(7)
2009-10	11915.22	12116.63	11934.99	3241.40	3261.36	3210.42
2010-11	15647.97	17695.48	17333.68	3818.05	5165.00	5385.83
2011-12	17522.87	16825.31	16753.10	4957.60	5007.60	4729.31
2012-13	20530.22	18173.94	18028.38	5392.00	4620.00	4509.75
2013-14	21933.50	19306.82	19027.58	5729.17	4881.08	4730.76
2014-15	22652.25	19852.00	19513.58	6144.39	4884.00	4840.01
2015-16	17004.35	15809.54	15333.92	6320.00	5586.00	5572.90
2016-17	35983.69	39840.50	37029.81	6620.00	6238.00	5995.20
2017-18	41855.00	41105.00	37538.77	6800.00	6992.00	6989.91
2018-19	46700.00	67800.00	46583.50	7800.00	7952.73	7943.59
2019-20	130485.21	101904.00	94592.81	8078.76	7846.17	7845.00
2020-21	134399.77	-	70195.59**	8362.58	-	4685.49^

Source : Ministry of Agriculture & Farmers Welfare

\* Actual expenditure is unadjusted for recoveries

\*\* As on 30.11.2020 (Provisional)

^Expenditure upto December 2020

DAC&FW:Department of Agriculture, Cooperation & Farmers Welfare, DARE: Department of Agricultural Research & Education



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

Year	GCF in Agriculture & Allied sector (₹ Crore)		Total GCF of Economy (₹ Crore)		Share of Agriculture & Allied sector GCF in GCF of Economy (%)	
	Current Prices	Constant Prices	Current Prices	Constant Prices	Current Prices	Constant Prices
(1)	(2)	(3)	(4)	(5)	(6)	(7)
2011-12	273870	273870	3205716	3205716	8.5	8.5
2012-13	273490	251094	3539498	3347322	7.7	7.5
2013-14	330836	284424	3660242	3324683	9.0	8.6
2014-15	331863	272663	4063089	3552847	8.2	7.7
2015-16	298555	237648	4219570	3731740	7.1	6.4
2016-17	348424	267153	4476754	3910207	7.8	6.8
2017-18*	362706	272321	5053181	4289515	7.2	6.3
2018-19#	407842	294095	5830943	4748844	7.0	6.2
2019-20@	446044	312518	6045754	4888802	7.4	6.4

Source: National Statistical Office

\* : 3rd Revised Estimates

# : 2nd Revised Estimate @ : 1st Revised Estimates

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

Year	GCF in Agriculture & Allied sector (₹ Crore)		GVA in Agriculture & Allied sector (₹ Crore)		Share of GCF in GVA of Agriculture & Allied sector (%)	
	Current Prices	Constant Prices	Current Prices	Constant Prices	Current Prices	Constant Prices
(1)	(2)	(3)	(4)	(5)	(6)	(7)
2011-12	273870	273870	1501947	1501947	18.2	18.2
2012-13	273490	251094	1675107	1524288	16.3	16.5
2013-14	330836	284424	1926372	1609198	17.2	17.7
2014-15	331863	272663	2093612	1605715	15.9	17.0
2015-16	298555	237648	2227533	1616146	13.4	14.7
2016-17	348424	267153	2518662	1726004	13.8	15.5
2017-18*	362706	272321	2829826	1840023	12.8	14.8
2018-19#	407842	294095	3016277	1887145	13.5	15.6
2019-20@	446044	312518	3394033	1968571	13.1	15.9

Source: National Statistical Office

\* : 3rd Revised Estimates

# : 2nd Revised Estimate @ : 1st Revised Estimates

3.

LABOUR FORCE,  
POVERTY AND  
UNEMPLOYMENT

**Table 3.1: Population and Agricultural Workers**

(In Million)

Year	Total Population	Average Annual Exponential Growth Rate (%)	Rural Population	Total Workers	Agricultural Workers		
					Cultivators	Agricultural Labourers	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1951	361.1	1.25	298.6 (82.7)	139.5	69.9 (71.9)	27.3 (28.1)	97.2 (69.7)
1961	439.2	1.96	360.3 (82.0)	188.7	99.6 (76.0)	31.5 (24.0)	131.1 (69.5)
1971	548.2	2.20	439.0 (80.1)	180.4	78.2 (62.2)	47.5 (37.8)	125.7 (69.7)
1981	683.3	2.22	525.5 (76.9)	244.6	92.5 (62.5)	55.5 (37.5)	148.0 (60.5)
1991	846.4	2.16	628.7 (74.5)	314.1	110.7 (59.7)	74.6 (40.3)	185.3 (59.0)
2001	1028.7	1.97	742.5 (72.2)	402.2	127.3 (54.4)	106.8 (45.6)	234.1 (58.2)
2011	1210.9	1.50	833.7 (68.9)	481.9	118.8 (45.1)	144.3 (54.9)	263.1 (54.6)

Source: Registrar General of India

Notes :

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

**Table 3.2: Population & Labour Force Projections**

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

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

LFPR: Labour Force Participation Rate

**Table 3.3: Population Below Poverty Line (Tendulkar Methodology)**

(Percentage)

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

Source: NITI Aayog (erstwhile Planning Commission)

Notes:

1. Poverty estimates are based on methodology suggested by the Expert Group on Methodology for Estimation of poverty, chaired by Dr. Suresh D. Tendulkar

2. Number of persons below poverty line in 2009-10 are estimated based on population as on 1st

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

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

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

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

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

8. Poverty Line of Kerala is used for Lakshadweep.

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

(Percentage)

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

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

4.

# LAND USE STATISTICS & RAINFALL PATTERN

**Table 4.1: Agricultural Land by use in India**

		(Million Hectares)										
S.No.	Classification	1950-51	1990-91	2000-01	2009-10	2010-11	2011-12	2012-13*	2013-14*	2014-15*	2015-16*	2016-17*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
<b>I.</b>	<b>Geographical Area</b>	<b>328.73</b>	<b>328.73</b>	<b>328.73</b>	<b>328.73</b>	<b>328.73</b>	<b>328.73</b>	<b>328.73</b>	<b>328.73</b>	<b>328.73</b>	<b>328.73</b>	<b>328.73</b>
<b>II.</b>	<b>Reporting Area for Land Utilisation Statistics (1 to 5)</b>	<b>284.32</b>	<b>304.86</b>	<b>305.19</b>	<b>307.41</b>	<b>307.48</b>	<b>307.39</b>	<b>307.49</b>	<b>307.80</b>	<b>307.78</b>	<b>307.75</b>	<b>308.32</b>
	1. Forest	40.48	67.81	69.84	71.56	71.59	71.60	71.57	71.83	71.76	71.87	72.02
	2. Not Available for Cultivation (A+B)	47.52	40.48	41.23	43.33	43.58	43.53	43.57	43.85	43.93	44.02	44.82
	(A) Area Under Non-agricultural Uses	9.36	21.09	23.75	26.16	26.40	26.31	26.50	26.91	26.94	27.08	27.84
	(B) Barren & Un-culturable Land	38.16	19.39	17.48	17.18	17.18	17.22	17.07	16.94	16.99	16.94	16.99
	3. Other Uncultivated land excluding Fallow	49.45	30.22	27.74	26.50	26.15	26.11	26.08	25.84	25.78	25.64	25.70
	(A) Permanent Pasture & other Grazing Land	6.68	11.40	10.66	10.34	10.30	10.31	10.26	10.26	10.26	10.26	10.34
	(B) Land under Miscellaneous Tree Crops & Groves not included in Net Area Sown	19.83	3.82	3.44	3.21	3.20	3.16	3.18	3.19	3.10	3.09	3.12
	(C) Culturable Waste Land	22.94	15.00	13.63	12.95	12.65	12.64	12.64	12.39	12.42	12.29	12.24
	4. Fallow Lands (A+B)	28.12	23.37	25.04	26.85	24.60	25.18	26.33	24.85	26.18	26.72	26.36
	(A) Fallow Lands other than Current Fallows	17.45	9.66	10.27	10.84	10.32	10.67	11.04	10.69	11.09	11.31	11.27
	(B) Current Fallows	10.68	13.70	14.78	16.01	14.28	14.51	15.29	14.16	15.09	15.41	15.09
	5. Net Area Sown (6-7)	118.75	143.00	141.34	139.17	141.56	140.98	139.93	141.43	140.13	139.51	139.42
	6. Total Cropped Area (Gross Cropped Area)	131.89	185.74	185.34	189.19	197.68	195.80	194.22	200.95	198.38	197.05	200.20
	7. Area Sown more than once	13.15	42.74	44.00	50.02	56.12	54.82	54.29	59.53	58.25	57.55	60.79
	8. Cropping Intensity**	111.07	129.89	131.13	135.94	139.64	138.88	138.79	142.09	141.57	141.25	143.60
	<b>Net Irrigated Area</b>	<b>20.85</b>	<b>48.02</b>	<b>55.20</b>	<b>61.94</b>	<b>63.67</b>	<b>65.71</b>	<b>66.29</b>	<b>68.12</b>	<b>68.38</b>	<b>67.30</b>	<b>68.65</b>
	<b>Gross Irrigated Area</b>	<b>22.56</b>	<b>63.20</b>	<b>76.19</b>	<b>85.09</b>	<b>88.94</b>	<b>91.79</b>	<b>92.24</b>	<b>95.76</b>	<b>96.75</b>	<b>96.78</b>	<b>98.15</b>

Source: Land Use Statistics 2016-17, Directorate of Economics & Statistics

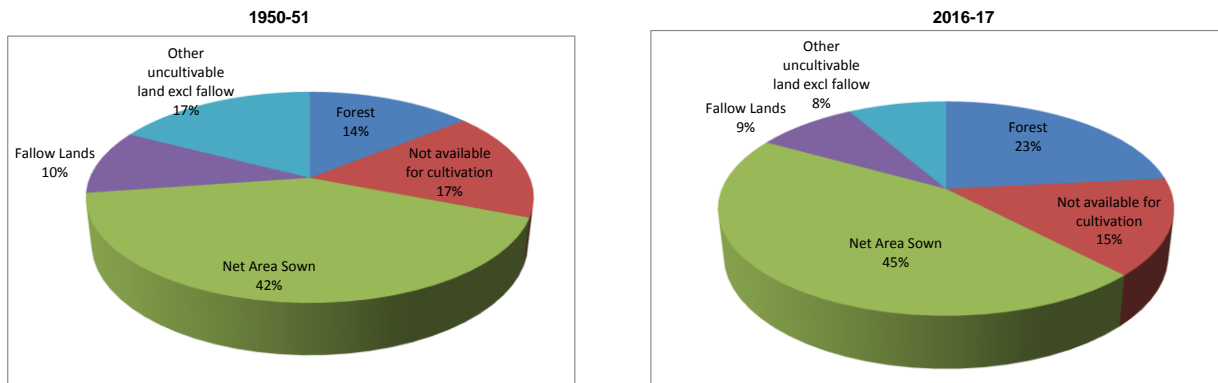
\*Provisional

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

Notes: 1: Percentages worked out over Reported Area.

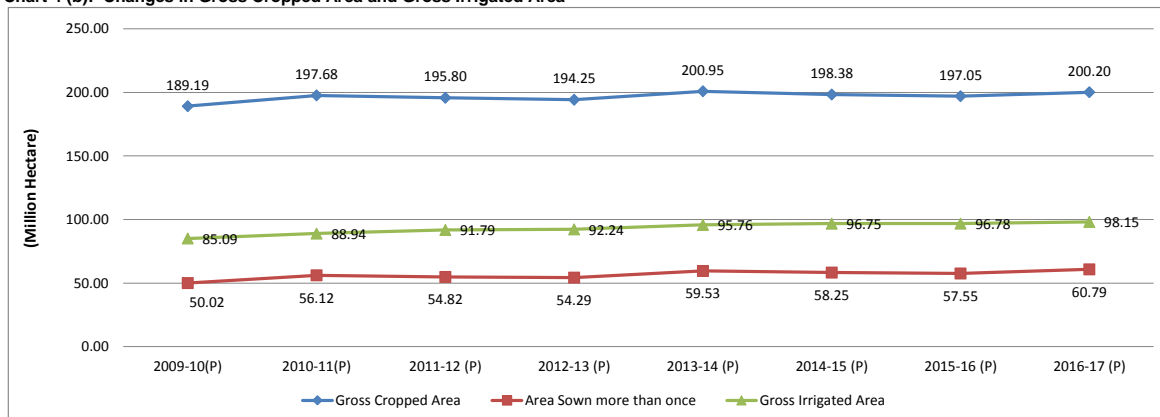
2. In 2009-10 there was significant decline in Total Cropped Area and Net Area Sown due to decline in net area sown in the states of Andhra Pradesh, Bihar, Jharkhand, Rajasthan, Tamil Nadu, Uttar Pradesh and West Bengal. This was mainly due to deficient rainfall.

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



Source: Directorate of Economics & Statistics

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



Source: Directorate of Economics & Statistics



**Table 4.2: Distribution of Gross Cropped Area**

Crop	Percentage Share of Area to Gross Cropped Area			
	2013-14 (P)	2014-15 (P)	2015-16 (P)	2016-17 (P)
(1)	(2)	(3)	(4)	(5)
Rice	22.13	22.30	22.01	22.25
Jowar	2.86	3.15	3.09	2.78
Bajra	4.03	3.96	3.61	3.77
Maize	4.49	4.43	4.30	4.58
Ragi	0.60	0.60	0.58	0.51
Wheat	15.61	16.18	15.72	16.04
Barley	0.34	0.37	0.28	0.28
Other Cereals & Millets	0.36	0.35	0.37	0.34
<b>Coarse Cereals</b>	<b>12.69</b>	<b>12.85</b>	<b>12.24</b>	<b>12.26</b>
<b>Total Cereals</b>	<b>50.43</b>	<b>51.33</b>	<b>49.97</b>	<b>50.55</b>
Gram	4.68	3.86	3.78	4.04
Tur	1.76	1.71	1.77	2.36
Other Pulses	5.40	5.37	6.04	6.83
<b>Total Pulses</b>	<b>11.83</b>	<b>10.94</b>	<b>11.59</b>	<b>13.22</b>
<b>Total Food-grains</b>	<b>62.26</b>	<b>62.26</b>	<b>61.56</b>	<b>63.77</b>
Sugarcane	2.75	2.81	2.66	2.35
Condiments & Spices	1.64	1.74	1.96	1.94
<b>Total Fruits</b>	<b>2.07</b>	<b>2.12</b>	<b>2.36</b>	<b>2.35</b>
Potatoes	0.84	0.89	0.98	0.93
Onions	0.30	0.33	0.57	0.55
<b>Total Vegetables</b>	<b>2.80</b>	<b>2.91</b>	<b>3.46</b>	<b>3.35</b>
Groundnut	2.70	2.57	2.27	2.64
Sesamum	0.84	0.93	1.01	0.92
Rapeseed & Mustard	3.01	2.72	2.84	2.82
Linseed	0.11	0.11	0.09	0.11
Other Oil Seeds	8.31	7.99	8.15	7.79
<b>Total Oil Seeds</b>	<b>14.98</b>	<b>14.33</b>	<b>14.36</b>	<b>14.28</b>
Cotton	5.93	6.38	6.14	5.29
Jute	0.38	0.38	0.37	0.35
Mesta	0.03	0.04	0.04	0.04
<b>Total Fibers</b>	<b>6.37</b>	<b>6.82</b>	<b>6.56</b>	<b>5.70</b>
Tobacco	0.23	0.24	0.22	0.20
Other Crops	6.89	6.76	6.85	6.07
<b>Gross Cropped Area</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>

Source: Land Use Statistics 2016-17, Directorate of Economics and Statistics

P: Provisional

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

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)
Marginal (Less than 1 hectare)	83694 (64.8)	92826 (67.1)	100251 (68.45)	32026 (20.2)	35908 (22.5)	37923 (24.03)	0.38	0.39	0.38
Small (1.0 to 2.0 hectares)	23930 (18.5)	24779 (17.9)	25809 (17.62)	33101 (20.9)	35244 (22.1)	36151 (22.91)	1.38	1.42	1.40
Semi-Medium (2.0 to 4.0 hectares)	14127 (10.9)	13896 (10.0)	13993 (9.55)	37898 (23.9)	37705 (23.6)	37619 (23.84)	2.68	2.71	2.69
Medium (4.0 to 10.0 hectares)	6375 (4.9)	5875 (4.2)	5561 (3.80)	36583 (23.1)	33828 (21.2)	31810 (20.16)	5.74	5.76	5.72
Large (10.0 hectares and above)	1096 (0.8)	973 (0.7)	838 (0.57)	18715 (11.8)	16907 (10.6)	14314 (9.07)	17.08	17.38	17.07
All Holdings	129222 (100.0)	138348 (100.0)	146454 (100.0)	158323 (100.0)	159592 (100.0)	157817 (100.0)	1.23	1.15	1.08

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

Source: Department of Agriculture, Cooperation & Farmers Welfare [Agriculture Census 2015-16]

\*-Excluding Jharkhand, P- Provisional

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

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

Year	Number of Meteorological Sub-Divisions <sup>@</sup>		Percentage of Districts with Normal/ Excess Rainfall	Actual Rainfall as % of Normal Rainfall (All India)
	Excess/ Normal Rainfall	Deficient/ Scanty Rainfall		
(1)	(2)	(3)	(4)	(5)
1990	32	3	88	119
1991	27	8	68	91
2001	30	5	68	92
2010	31	5	69	102
2011	33	3	76	101
2012	23	13	58	92
2013	30	6	72	106
2014	24	12	55	88
2015	19	17	51	86
2016	27	9	68	97
2017	30	6	66	95
2018	24	12	62	91
2019	31	5	77	110
2020	31	5	75	109

Source: Directorate of Economics and Statistics

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

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

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

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

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

5.

AREA, PRODUCTION &  
YIELD OF MAJOR  
CROPS

**Table 5.1: Area, Production and Yield of Foodgrains in major Producing States alongwith Coverage under Irrigation**

State	2019-20 <sup>#</sup>					2018-19					Area Under Irrigation(%) 2016-17*
	Area	% to All - India	Production	% to All - India	Yield	Area	% to All - India	Production	% to All - India	Yield	
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Uttar Pradesh	19.59	15.35	55.03	18.55	2809	19.49	15.62	54.64	19.16	2803	80.9
Madhya Pradesh	15.14	11.87	33.03	11.13	2182	16.35	13.11	32.21	11.29	1970	59.4
Punjab	6.64	5.21	30.02	10.12	4519	6.77	5.42	31.53	11.06	4658	99.1
Rajasthan	15.81	12.39	23.18	7.81	1466	14.81	11.87	21.29	7.46	1437	33.0
West Bengal	6.44	5.05	18.26	6.16	2835	6.36	5.10	18.69	6.55	2938	54.1
Haryana	4.59	3.60	17.86	6.02	3891	4.56	3.65	18.15	6.36	3981	93.1
Bihar	6.29	4.93	14.39	4.85	2286	6.50	5.21	15.60	5.47	2402	70.6
Maharashtra	11.60	9.09	14.01	4.72	1208	9.62	7.71	10.30	3.61	1071	18.7
Karnataka	7.77	6.09	12.58	4.24	1618	7.66	6.14	10.89	3.82	1422	22.4
Andhra Pradesh	4.12	3.23	12.50	4.21	3038	4.02	3.22	10.84	3.80	2694	58.7
Tamil Nadu	3.69	2.89	11.04	3.72	2988	3.50	2.80	10.39	3.64	2972	53.7
Telangana	3.20	2.51	11.02	3.71	3447	3.06	2.45	9.28	3.25	3035	61.5
Others	22.71	17.80	43.73	14.74	1926	22.08	17.70	41.41	14.52	1875	-
<b>All India</b>	<b>127.59</b>	<b>100.00</b>	<b>296.65</b>	<b>100.00</b>	<b>2325</b>	<b>124.78</b>	<b>100.00</b>	<b>285.21</b>	<b>100.00</b>	<b>2286</b>	<b>52.2</b>

Source: Directorate of Economics & Statistics

Note: States have been arranged in descending order of percentage share of production during 2019-20

\* Provisional

# 4th Advance Estimates.

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

Crop	(Million Hectares)															
	1950-51 (1)	1960-61 (2)	1970-71 (3)	1980-81 (4)	1990-91 (5)	2000-01 (6)	2010-11 (7)	2011-12 (8)	2012-13 (9)	2013-14 (10)	2014-15 (11)	2015-16 (12)	2016-17 (13)	2017-18 (14)	2018-19 (15)	2019-20* (16)
Rice	30.81	34.13	37.59	40.15	42.69	44.71	42.86	44.01	42.75	44.14	44.11	43.50	43.99	43.77	44.16	43.78
Wheat	9.75	12.93	18.24	22.28	24.17	25.73	29.07	29.86	30.00	30.47	31.47	30.42	30.79	29.65	29.32	31.45
Nutri Cereals	37.67	44.96	45.95	41.78	36.32	30.26	28.34	26.42	24.76	25.22	25.17	24.39	25.01	24.29	22.15	24.02
Pulses	19.09	23.56	22.54	22.46	24.66	20.35	26.40	24.46	23.26	25.21	23.55	24.91	29.45	29.81	29.16	28.34
Foodgrains	97.32	115.58	124.32	126.67	127.84	121.05	126.67	124.75	120.78	125.05	124.30	123.22	129.23	127.52	124.83	127.59
Oilseeds	10.73	13.77	16.64	17.60	24.15	22.77	27.22	26.31	26.48	28.05	25.60	26.09	26.18	24.51	24.79	27.04
Sugarcane	1.71	2.42	2.62	2.67	3.69	4.32	4.88	5.04	5.00	4.99	5.07	4.93	4.44	4.74	5.06	4.57
Cotton	5.88	7.61	7.61	7.82	7.44	8.53	11.24	12.18	11.98	11.96	12.82	12.29	10.83	12.59	12.57	13.37
Jute & Mesta	0.57	0.90	1.08	1.30	1.02	1.02	0.87	0.90	0.86	0.84	0.81	0.78	0.76	0.74	0.70	0.68

Source: Directorate of Economics &amp; Statistics

\* 4th Advance Estimates

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

(Figures in Percentage)

Year	Rice	Wheat	Nutri Cereals	Pulses	Foodgrains	Oilseeds	Sugarcane	Cotton	Others	All Crops
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
2007-08	23.31	14.88	15.12	12.54	<b>65.85</b>	14.17	2.68	5.00	12.30	100.00
2008-09	24.17	14.73	14.57	11.73	<b>65.19</b>	14.63	2.34	4.99	12.85	100.00
2009-10	22.59	15.33	14.91	12.55	<b>65.38</b>	13.99	2.25	5.46	12.93	100.00
2010-11	21.85	14.82	14.44	13.46	<b>64.56</b>	13.88	2.49	5.73	13.35	100.00
2011-12	22.48	15.25	13.50	12.50	<b>63.72</b>	13.44	2.57	6.22	14.05	100.00
2012-13	22.13	15.52	12.82	12.04	<b>62.51</b>	13.71	2.59	6.20	15.00	100.00
2013-14	22.07	15.24	12.61	12.61	<b>62.54</b>	14.03	2.50	5.98	14.95	100.00
2014-15	22.29	15.90	12.72	11.90	<b>62.80</b>	12.93	2.56	6.48	15.23	100.00
2015-16	22.10	15.45	12.39	12.66	<b>62.60</b>	13.25	2.50	6.24	15.40	100.00
2016-17	22.19	15.53	12.62	14.85	<b>65.19</b>	13.21	2.24	5.46	13.90	100.00
2017-18	22.07	14.95	12.25	15.03	<b>64.31</b>	12.36	2.39	6.35	14.60	100.00
2018-19	23.01	15.28	11.54	15.19	<b>65.01</b>	12.92	2.64	6.57	12.86	100.00
2019-20	22.06	15.85	12.11	14.28	<b>64.30</b>	13.62	2.30	6.74	13.04	100.00

Source: Directorate of Economics & Statistics

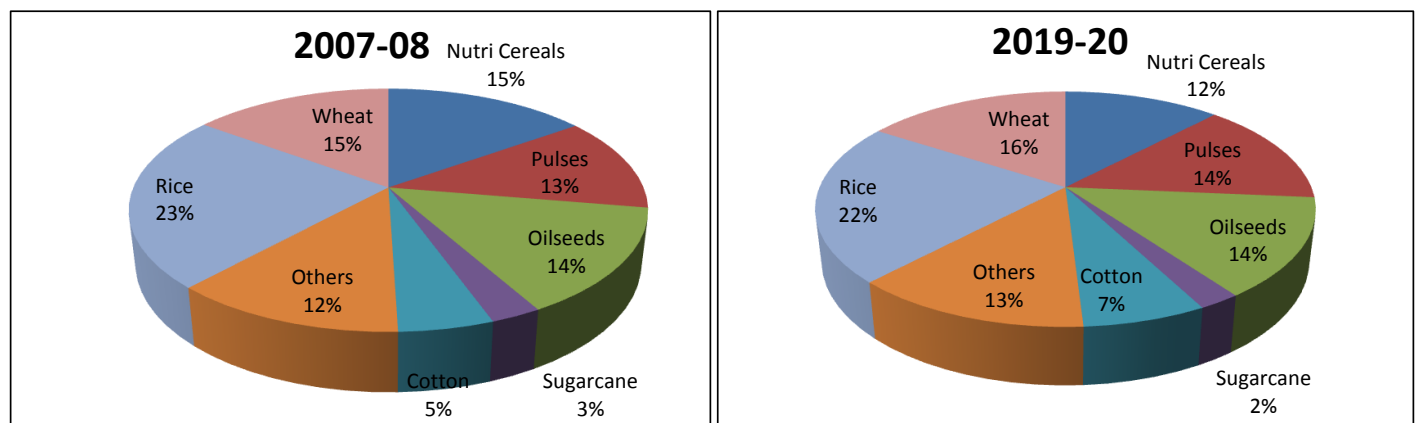
Notes: (1) Area estimates are based on data provided by State Statistical Authorities (SASAs) which is further cross checked and validated with estimates provided by other agencies, viz., MNCFC and CWWG.

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

(3) Data for Foodgrains, Oilseeds and Commercial Crops are as per 4th Advance Estimates for 2019-20

(4) Data for Horticulture crops are as per 3rd Advance Estimates for 2019-20

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



Source: Directorate of Economics & Statistics

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

		(Million Tonnes)															
S.No.	Crop	1950-51	1960-61	1970-71	1980-81	1990-91	2000-01	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
1	<b>Foodgrains</b>	<b>50.82</b>	<b>82.02</b>	<b>108.42</b>	<b>129.59</b>	<b>176.39</b>	<b>196.81</b>	<b>244.49</b>	<b>259.29</b>	<b>257.13</b>	<b>265.05</b>	<b>252.03</b>	<b>251.54</b>	<b>275.11</b>	<b>285.01</b>	<b>284.95</b>	<b>296.65</b>
	Rice	20.58	34.58	42.22	53.63	74.29	84.98	95.98	105.30	105.23	106.65	105.48	104.41	109.70	112.76	116.48	118.43
	Wheat	6.46	11.00	23.83	36.31	55.14	69.68	86.87	94.88	93.51	95.85	86.53	92.29	98.51	99.87	103.60	107.59
	Maize	1.73	4.08	7.49	6.96	8.96	12.04	21.73	21.76	22.26	24.26	24.17	22.57	25.90	28.75	27.72	28.64
	Nutri Cereals	15.38	23.74	30.55	29.02	32.70	31.08	43.40	42.01	40.04	43.29	42.86	38.52	43.77	46.97	43.06	47.48
2	<b>Pulses</b>	<b>8.41</b>	<b>12.70</b>	<b>11.82</b>	<b>10.63</b>	<b>14.26</b>	<b>11.08</b>	<b>18.24</b>	<b>17.09</b>	<b>18.34</b>	<b>19.25</b>	<b>17.15</b>	<b>16.32</b>	<b>23.13</b>	<b>25.42</b>	<b>23.40</b>	<b>23.15</b>
	Gram	3.65	6.25	5.20	4.33	5.36	3.86	8.22	7.70	8.83	9.53	7.33	7.06	9.38	11.38	9.94	9.02
	Tur (Arhar)	1.72	2.07	1.88	1.96	2.41	2.25	2.86	2.65	3.02	3.17	2.81	2.56	4.87	4.29	3.32	3.83
	Lentil (Masur)	--	--	0.37	0.47	0.85	0.92	0.94	1.06	1.13	1.02	1.04	0.98	1.22	1.62	1.23	1.18
3	<b>Oilseeds</b>	<b>5.16</b>	<b>6.98</b>	<b>9.63</b>	<b>9.37</b>	<b>18.61</b>	<b>18.44</b>	<b>32.48</b>	<b>29.80</b>	<b>30.94</b>	<b>32.75</b>	<b>27.51</b>	<b>25.25</b>	<b>31.28</b>	<b>31.46</b>	<b>31.52</b>	<b>33.42</b>
	Groundnut	3.48	4.81	6.11	5.01	7.51	6.41	8.26	6.96	4.70	9.71	7.40	6.73	7.46	9.25	6.73	10.10
	Rapeseed & Mustard	0.76	1.35	1.98	2.30	5.23	4.19	8.18	6.60	8.03	7.88	6.28	6.80	7.92	8.43	9.26	9.12
	Soybean	--	--	0.01	0.44	2.60	5.28	12.74	12.21	14.67	11.86	10.37	8.57	13.16	10.93	13.27	11.22
	Sunflower	--	--	0.08	0.07	0.87	0.65	0.65	0.52	0.54	0.50	0.43	0.30	0.25	0.22	0.22	0.22
4	<b>Cotton #</b>	3.04	5.60	4.76	7.01	9.84	9.52	33.00	35.20	34.22	35.90	34.80	30.01	32.58	32.81	27.93	35.49
5	<b>Jute &amp; Mesta @</b>	3.31	5.26	6.19	8.16	9.23	10.56	10.62	11.40	10.93	11.68	11.13	10.52	10.96	10.03	9.82	9.91
6	<b>Sugarcane</b>	57.05	110.00	126.37	154.25	241.05	295.96	342.38	361.04	341.20	352.14	362.33	348.45	306.07	379.90	405.42	355.70

Source: Directorate of Economics and Statistics

\* 4th Advance Estimates

# Million bales of 170 kg. each

@ Million bales of 180 kg. each



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

(Million Tonnes)

Crop	2016-17		2017-18		2018-19		2019-20*	
	Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Rice	108.50	109.70	108.50	112.76	114	116.48	116	118.43
Wheat	96.50	98.51	97.50	99.87	102.2	103.6	100.5	107.59
Nutri Cereals	44.35	43.17	45.65	46.97	48.1	43.06	48.3	47.48
Pulses	20.75	23.13	22.90	25.42	25.95	22.08	26.3	23.15
Foodgrains	270.10	275.11	274.55	285.01	290.25	285.21	291.1	296.65
Oilseeds	35.00	31.28	35.50	31.46	35.999	31.522	36.1	33.423
Sugarcane	355.00	306.07	355.00	379.90	385	405.416	385.5	355.7
Cotton #	36.00	32.58	35.50	32.81	35.5	28.042	35.75	35.491
Jute & Mesta@	11.70	10.96	11.70	10.03	11.2	9.82	11.2	9.906

Source: Directorate of Economics and Statistics

\* 4th Advance Estimates.

@ Million Bales of 180 kg. each.

# Million Bales of 170 kg. each.

**Table 5.3(c): Three largest producing States of major Crops during 2019-20**

Group of Crops	Crop	State	Production* (Million Tonnes)	Share in All India Production (%)
(1)	(2)	(3)	(4)	(5)
I. Foodgrains	Rice	West Bengal	15.57	13.15
		Uttar Pradesh	15.52	13.11
		Punjab	11.78	9.95
		<b>All - India</b>	<b>118.43</b>	<b>100.00</b>
	Wheat	Uttar Pradesh	32.59	30.29
		Madhya Pradesh	19.61	18.22
		Punjab	17.57	16.33
		<b>All - India</b>	<b>107.59</b>	<b>100.00</b>
	Maize	Karnataka	3.96	13.84
		Madhya Pradesh	3.91	13.65
		Telangana	3.00	10.48
		<b>All - India</b>	<b>28.64</b>	<b>100.00</b>
	Total Nutri/ Coarse Cereals	Rajasthan	7.29	15.35
		Karnataka	6.45	13.59
		Madhya Pradesh	4.82	10.16
		<b>All - India</b>	<b>47.48</b>	<b>100.00</b>
	Total Pulses	Rajasthan	4.49	19.41
Maharashtra		4.03	17.40	
Madhya Pradesh		3.80	16.41	
<b>All - India</b>		<b>23.15</b>	<b>100.00</b>	
Total Foodgrains	Uttar Pradesh	55.03	18.55	
	Madhya Pradesh	33.03	11.13	
	Punjab	30.02	10.12	
	<b>All - India</b>	<b>296.65</b>	<b>100.00</b>	
II .Oilseeds	Groundnut	Gujarat	4.64	45.99
		Rajasthan	1.62	16.04
		Tamilnadu	0.98	9.74
		<b>All - India</b>	<b>10.10</b>	<b>100.00</b>
	Rapeseed & Mustard	Rajasthan	4.22	46.28
		Haryana	1.15	12.61
		Uttar Pradesh	0.96	10.50
		<b>All - India</b>	<b>9.12</b>	<b>100.00</b>
	Soybean	Madhya Pradesh	5.15	45.90
		Maharashtra	4.60	40.98
		Rajasthan	0.52	4.68
		<b>All - India</b>	<b>11.22</b>	<b>100.00</b>
	Sunflower	Karnataka	0.12	54.18
Odisha		0.03	12.11	
Bihar		0.01	5.81	
<b>All - India</b>		<b>0.22</b>	<b>100.00</b>	
Total Oilseeds	Rajasthan	6.79	20.30	
	Gujarat	6.66	19.94	
	Madhya Pradesh	6.57	19.66	

(Contd..)

**Table 5.3(c): Three largest producing States of major Crops during 2019-20**

Group of Crops	Crop	State	Production* (Million Tonnes)	Share in All India Production (%)	
(1)	(2)	(3)	(4)	(5)	
		<b>All - India</b>	<b>33.42</b>	<b>100.00</b>	
III. Other Cash Crops	Sugarcane	Uttar Pradesh	178.42	50.16	
		Maharashtra	64.67	18.18	
		Karnataka	31.60	8.88	
			<b>All - India</b>	<b>355.70</b>	<b>100.00</b>
	Cotton <sup>@</sup>	Gujarat	8.28	23.32	
		Telangana	6.83	19.25	
		Maharashtra	6.782	19.11	
			<b>All - India</b>	<b>35.491</b>	<b>100.00</b>
	Jute & Mesta <sup>\$</sup>	West Bengal	8.0572	81.34	
		Bihar	0.86	8.67	
Assam		0.77	7.78		
<b>All - India</b>		<b>9.91</b>	<b>100.00</b>		

Source: Directorate of Economics and Statistics

\*Production Estimates are as per 4th Advance Estimates

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

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

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

(Lakh Tonnes)

Oilseeds / Oils	2017-18		2018-19*		2019-20**	
	Oilseeds	Oils	Oilseeds	Oils	Oilseeds	Oils
(1)	(2)	(3)	(4)	(5)	(6)	(7)
<b>A. Primary Source</b>						
Groundnut	84.30	25.81	92.56	28.97	91.16	28.28
Rapeseed & Mustard	109.33	17.59	132.68	22.09	112.15	17.97
Soy Bean	92.53	20.82	67.27	15.18	100.96	22.90
Sunflower	2.22	0.70	2.16	0.73	2.17	0.72
Sesamum	7.55	2.34	6.89	2.36	7.50	2.34
Nigerseed	0.70	0.21	0.45	0.19	0.42	0.12
Safflower	0.55	0.14	0.25	0.07	0.30	0.09
Castor	15.68	5.51	11.97	4.27	18.49	6.50
Linseed	1.74	0.44	0.99	0.40	1.09	0.28
<b>Sub Total</b>	<b>314.59</b>	<b>73.56</b>	<b>315.22</b>	<b>74.26</b>	<b>334.23</b>	<b>79.20</b>
<b>B. Secondary Source</b>						
Coconut	-	6.01	-	5.90	-	5.95
Palm Oil	-	2.20	-	2.70	-	2.77
Cottonseed	-	12.64	-	11.23	-	12.71
Ricebran	-	10.69	-	10.68	-	10.68
Solvent Extracted Oils	-	3.50	-	3.25	-	3.50
Tree & Forest Origin	-	1.50	-	1.50	-	1.50
<b>Sub Total</b>	-	<b>36.54</b>	-	<b>35.26</b>	-	<b>37.11</b>
<b>Total(A+B)</b>		<b>110.10</b>	-	<b>109.52</b>	-	<b>116.31</b>
<b>C. Less: Exports &amp; Industrial Use</b>	-	<b>6.30</b>	-	<b>6.00</b>	-	<b>9.76</b>
<b>D. Net Domestic Availability of Edible Oils</b>	-	<b>103.8</b>	-	<b>103.52</b>	-	<b>106.55</b>
<b>E.Import of Edible Oils \$</b>	-	<b>145.92</b>	-	<b>155.7</b>	-	<b>134.09</b>
<b>F. Total Availability/Consumption of Edible Oils</b>	-	<b>249.72</b>	-	<b>259.22</b>	-	<b>240.64</b>

Source: Directorate of Vanaspati, Vegetable Oils and Fats

\* Based on Final Estimates released by Ministry of Agriculture & Farmers Welfare on 18.02.2020

\*\* Based on 4th Advance Estimates released by Ministry of Agriculture & Farmers Welfare on 19.08.2020

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

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

Crop	(Quintal/ hectare)												
	1950-51	1990-91	2000-01	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Rice	6.68	17.40	19.01	22.39	23.93	24.61	24.16	23.91	24.00	24.94	25.76	26.38	27.05
Jowar	3.53	8.14	7.64	9.49	9.57	8.50	9.56	8.84	6.97	8.12	9.56	8.49	10.05
Bajra	2.88	6.58	6.88	10.79	11.71	11.98	11.84	12.55	11.32	13.05	12.31	12.19	13.68
Maize	5.47	15.18	18.22	25.42	24.78	25.66	26.76	26.32	25.63	26.89	30.65	30.70	29.45
Wheat	6.63	22.81	27.08	29.88	31.77	31.17	31.46	27.50	30.34	32.00	33.68	35.33	34.21
Nutri Cereals	4.08	9.00	10.27	15.31	15.90	16.17	17.17	17.03	15.79	17.50	19.34	19.44	19.76
Gram	4.82	7.12	7.44	8.94	9.28	10.36	9.60	8.89	8.40	9.74	10.78	10.41	11.16
Tur/ Arhar	7.88	6.73	6.18	6.54	6.61	7.76	8.13	7.29	6.46	9.13	9.67	7.29	8.42
Total Pulses	4.41	5.78	5.44	6.91	6.99	7.89	7.64	7.28	6.55	7.86	8.53	7.57	8.17
<b>Total Foodgrains</b>	<b>5.22</b>	<b>13.80</b>	<b>16.26</b>	<b>19.30</b>	<b>20.78</b>	<b>21.29</b>	<b>21.20</b>	<b>20.28</b>	<b>20.41</b>	<b>21.29</b>	<b>22.35</b>	<b>22.85</b>	<b>23.25</b>
Sugarcane	334.22	653.95	685.78	700.91	716.68	682.54	705.22	715.11	707.20	690.01	801.98	801.05	778.93
Groundnut	7.75	9.04	9.77	14.11	13.23	9.95	17.64	15.52	14.65	13.98	18.93	14.22	20.65
Mustard	3.68	9.04	9.36	11.85	11.21	12.62	11.85	10.83	11.83	13.04	14.10	15.11	13.45
Soybean	4.26	10.15	8.23	13.27	12.08	13.53	10.12	9.51	7.38	11.77	10.58	11.92	9.28
Sunflower	6.53	5.35	6.05	6.99	7.12	6.55	7.50	7.36	6.09	6.60	7.82	8.26	8.91
<b>Total Oilseeds</b>	<b>4.81</b>	<b>7.71</b>	<b>8.10</b>	<b>11.93</b>	<b>11.33</b>	<b>11.68</b>	<b>11.68</b>	<b>10.75</b>	<b>9.68</b>	<b>11.95</b>	<b>12.84</b>	<b>12.71</b>	<b>12.36</b>
Cotton	0.88	2.25	1.90	4.99	4.91	4.86	5.10	4.62	4.15	5.12	4.43	3.78	4.51
Tobacco	7.31	13.53	13.18	16.32	16.13	15.42	16.12	18.30	17.81	20.16	23.17	16.10	4.51

Source: Directorate of Economics and Statistics

\* 4th Advance Estimates

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

State/UT	(Kg./hectare)																		
	Cereals						Pulses						Oilseeds						
	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20*	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20*	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20*	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	
Andhra Pradesh	3269	3500	3690	3999	3791	3967	911	848	659	865	558	938	557	954	581	1328	589	1192	
Arunachal Pradesh	1924	1505	1733	1619	NA	NA	1263	1015	1011	1020	901	NA	971	1040	1040	1040	1040	NA	
Assam	2095	2067	1922	2174	2089	2246	748	757	735	748	756	753	670	694	643	638	642	641	
Bihar	2067	2320	2596	2714	2547	2407	859	845	936	954	946	830	1093	1059	1155	1208	1248	1163	
Chhattisgarh	1616	1481	2055	1321	1783	1742	818	609	858	697	721	317	599	501	572	461	561	720	
Goa	2870	2783	2774	2674	NA	NA	944	754	1004	870	1018	NA	1899	2126	2352	2258	2345	NA	
Gujarat	2226	2244	2309	2383	2381	2441	972	931	868	1016	1029	1204	1920	1627	1725	2125	1458	2323	
Haryana	3480	3713	3789	3676	4027	3936	674	680	897	961	1141	924	1456	1589	1832	2008	2042	1782	
Himachal Pradesh	1925	2144	2258	2054	2054	2052	1232	1504	2019	2019	1938	1920	542	520	487	590	590	589	
Jammu & Kashmir	1298	1919	1774	1734	1796	NA	381	631	547	553	535	NA	682	599	523	760	1086	NA	
Jharkhand	2135	1738	2161	2271	1873	2257	1004	886	1002	1055	990	1034	664	681	732	713	684	766	
Karnataka	2206	1949	1839	2128	2143	2293	601	403	586	645	528	684	698	583	623	883	824	1096	
Kerala	2833	2787	2548	2754	2909	3206	1131	1133	984	1027	927	966	1054	1049	125	900	697	606	
Madhya Pradesh	2398	2564	2589	2650	2624	2808	876	903	944	1084	916	803	1093	841	1177	1046	1247	880	
Maharashtra	1151	940	1442	1474	1489	1384	602	436	865	795	670	918	672	579	1160	1017	1096	1121	
Manipur	1576	1526	1812	2544	NA	NA	959	963	973	965	950	NA	863	847	858	870	855	NA	
Meghalaya	2601	2624	1871	2637	NA	NA	1405	1442	1446	1439	1396	NA	1071	1091	1051	1057	1059	NA	
Mizoram	1626	1615	1652	1641	NA	NA	1416	1361	1352	1544	1573	NA	1117	1112	1140	1113	1193	NA	
Nagaland	2188	1666	1693	1706	NA	NA	1146	1150	1151	1159	1230	NA	1048	1047	1050	1050	1050	NA	
Odisha	1968	1480	2141	1727	1946	2050	532	505	548	556	574	572	667	632	681	625	662	693	
Punjab	4078	4292	4373	4726	4672	4543	846	965	887	876	938	966	1265	1318	1386	1482	1499	1455	
Rajasthan	1865	1762	1804	1858	1993	1973	580	515	604	639	636	709	1192	1182	1351	1477	1581	1282	
Sikkim	1649	1562	1681	1740	NA	NA	925	954	961	954	961	NA	891	909	918	924	925	NA	
Tamil Nadu	3342	3810	1719	3743	3734	3664	852	631	544	675	648	635	2374	2290	1870	2729	2411	2501	
Telangana	3107	2863	3059	3332	3421	3912	644	508	771	899	861	1067	1270	1102	1385	1791	1835	1886	
Tripura	2875	2897	2854	2869	NA	NA	718	673	952	710	732	NA	793	771	814	780	817	NA	
Uttar Pradesh	2152	2369	2703	2804	3037	3053	612	619	871	973	1051	1033	698	670	876	1054	1079	907	
Uttarakhand	1891	2079	2230	2343	2316	2459	821	821	869	874	922	939	938	1100	929	916	938	813	
West Bengal	2773	2925	2817	2995	3019	2988	941	967	968	969	796	930	1161	1168	1147	1198	1255	1217	
A & N Islands	2079	2217	2572	3128	NA	NA	541	649	304	322	274	NA	NA	NA	NA	NA	NA	NA	
D & N Haveli	1764	2312	2173	2173	NA	NA	897	1174	2035	1000	1113	NA	571	NA	366	361	590	NA	
Delhi	3908	3654	3653	3570	NA	NA	NA	3270	2120	2000	2000	NA	NA	1260	1248	1260	1262	NA	
Daman & Diu	2621	1184	1132	1244	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Puducherry	3160	2698	3210	2449	NA	NA	630	241	377	955	536	NA	2280	2345	2511	2504	2481	NA	
Others	NA	4600	2500	NA	2329	2177	NA	NA	NA	NA	NA	1048	NA	NA	NA	NA	NA	1217	
<b>All India</b>	<b>2331</b>	<b>2393</b>	<b>2525</b>	<b>2657</b>	<b>2756</b>	<b>2756</b>	<b>728</b>	<b>655</b>	<b>786</b>	<b>853</b>	<b>757</b>	<b>817</b>	<b>1075</b>	<b>968</b>	<b>1195</b>	<b>1284</b>	<b>1271</b>	<b>1236</b>	

Source: Directorate of Economics & Statistics

\*4th Advance Estimates

**Table 5.5(a): Crop-wise Coverage of Irrigated Area, 2016-17**

Crop	(Percentage)									
	1950-51 (1)	1990-91 (2)	2000-01 (3)	2010-11 (4)	2011-12 (5)	2012-13* (6)	2013-14* (7)	2014-15* (8)	2015-16* (9)	2016-17* (10)
Rice	31.7	45.5	53.6	58.8	58.6	58.5	59.6	60.0	60.1	60.6
Jowar	3.0	5.6	7.9	8.7	9.7	9.7	9.6	9.9	10.3	9.8
Bajra	3.4	5.1	8.0	8.0	8.1	9.1	9.0	9.5	10.5	10.2
Maize	11.4	19.7	22.4	24.5	25.7	25.9	27.2	26.6	26.7	26.0
Wheat	34.0	81.1	88.1	92.2	93.0	93.5	93.6	94.3	94.2	94.5
Barley	NA	NA	65.5	69.9	74.8	76.6	76.3	80.3	77.4	79.1
<b>Total Cereals</b>	<b>NA</b>	<b>NA</b>	<b>49.8</b>	<b>56.3</b>	<b>57.7</b>	<b>58.6</b>	<b>59.5</b>	<b>60.1</b>	<b>60.4</b>	<b>60.9</b>
Gram	12.5	20.5	30.9	29.7	33.5	36.5	35.2	38.6	38.7	38.6
Tur or Arhar	0.5	5.5	4.2	4.0	3.8	3.9	4.3	4.0	3.8	4.4
<b>Total Pulses</b>	<b>9.4</b>	<b>10.5</b>	<b>12.5</b>	<b>14.9</b>	<b>16.1</b>	<b>18.5</b>	<b>19.7</b>	<b>19.9</b>	<b>19.3</b>	<b>18.8</b>
<b>Total Foodgrains</b>	<b>18.1</b>	<b>35.1</b>	<b>43.4</b>	<b>48.1</b>	<b>49.8</b>	<b>51.3</b>	<b>51.9</b>	<b>53.1</b>	<b>52.7</b>	<b>52.2</b>
Sugarcane	67.3	86.9	92.1	92.7	94.8	95.2	95.3	95.6	95.8	95.5
Groundnut	NA	18.6	17.6	21.8	24.3	25.3	25.8	26.7	28.9	27.5
Rapeseed & Mustard	NA	59.8	66.1	69.8	73.5	76.5	76.6	76.6	80.1	79.2
Soybean	NA	NA	1.4	0.6	0.6	0.6	0.6	0.7	0.9	0.7
Sunflower	NA	NA	27.6	31.2	32.3	29.0	28.6	30.1	28.7	30.3
<b>Total Oilseeds</b>	<b>NA</b>	<b>22.9</b>	<b>23.0</b>	<b>24.9</b>	<b>27.5</b>	<b>28.2</b>	<b>27.3</b>	<b>27.4</b>	<b>28.5</b>	<b>27.8</b>
Cotton	8.2	32.9	34.3	33.8	35.9	33.8	32.5	33.7	32.6	34.0
Tobacco	NA	43.2	52.8	46.4	51.0	53.8	51.6	58.8	67.0	65.1
<b>Total area under all crops</b>	<b>NA</b>	<b>NA</b>	<b>40.2</b>	<b>45.0</b>	<b>46.9</b>	<b>47.5</b>	<b>47.7</b>	<b>48.8</b>	<b>49.1</b>	<b>49.0</b>

Source: Land Use Statistics 2016-17, Directorate of Economics and Statistics

NA: Not Available , \*: Provisional

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

**Table 5.5(b): State-wise Coverage of Irrigated Area under major Crops, 2016-17**

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

Source: Land Use Statistics 2016-17, Directorate of Economics and Statistics

P: Provisional

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

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



6.

# HORTICULTURE STATISTICS

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

Crops	Area in '000 Hectares Production in '000 MT					
	2017-18		2018-19		2019-20*	
	Area	Production	Area	Production	Area	Production
(1)	(2)	(3)	(4)	(5)	(6)	(7)
<b>Fruits</b>						
Almond	11	14	10	11	9	11
Aonla/Gooseberry	93	1075	92	1046	96	1131
Apple	301	2327	308	2316	309	2783
Banana	884	30808	866	30460	877	31779
Ber	50	513	50	539	49	512
<b>Citrus</b>						
(i) Lime/Lemon	286	3148	305	3482	317	3698
(ii) Mandarin (Orange)	428	5101	469	6243	479	6397
(iii) Sweet Orange(Mosambi)	185	3266	187	3266	196	3529
(iv) Others	103	1030	67	412	67	408
<b>Citrus Total (i to iv)</b>	<b>1003</b>	<b>12546</b>	<b>1028</b>	<b>13404</b>	<b>1058</b>	<b>14032</b>
Custardapple	46	401	40	339	43	359
Grapes	139	2920	140	3041	147	2939
Guava	265	4054	276	4253	290	4359
Jackfruit	185	1830	185	1764	188	1776
Kiwi	4	12	5	13	5	13
Litchi	92	686	96	721	96	719
Mango	2258	21822	2296	21378	2301	20529
Muskmelon	54	1231	57	1266	59	1306
Papaya	138	5989	149	6050	144	6086
Passion Fruit	14	82	12	81	12	76
Peach	19	114	19	118	19	125
Pear	44	318	42	300	42	306
Picanut	1	0	1	0	3	0
Pineapple	103	1706	104	1711	108	1802
Plum	23	89	23	85	23	90
Pomegranate	234	2845	253	2915	275	3256
Sapota	97	1176	89	1059	80	979
Strawberry	1	5	1	5	2	18
Walnut	109	300	108	299	108	287
Watermelon	101	2520	100	2495	109	2922
Others	238	1977	248	2298	251	2253
<b>Total Fruits</b>	<b>6506</b>	<b>97358</b>	<b>6597</b>	<b>97967</b>	<b>6702</b>	<b>100448</b>
<b>Vegetables</b>						
Beans	228	2277	236	2356	221	2226
Bitterguard	97	1137	99	1205	107	1292
Bottleguard	157	2683	187	3011	188	3018
Brinjal	730	12801	727	12680	723	12345
Cabbage	399	9037	400	9127	398	9213
Capsicum	24	326	34	497	34	521
Carrot	97	1648	109	1893	106	1875

(Contd..)

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

Crops	Area in '000 Hectares Production in '000 MT					
	2017-18		2018-19		2019-20*	
	Area	Production	Area	Production	Area	Production
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Cauliflower	453	8668	465	9083	459	8844
Cucumber	82	1260	105	1588	111	1638
Chillies (Green)	309	3592	377	3783	363	4027
Elephant Foot Yam	30	774	33	817	33	801
Mushroom	198	487	0	182		210
Okra/ Ladyfinger	509	6095	513	6176	534	6371
Onion	1285	23262	1220	22819	1431	26148
Parmal(pointed gourd)	20	310	55	757	59	715
Peas	540	5422	552	5562	568	5791
Potato	2142	51310	2173	50190	2056	48662
Radish	209	3061	200	3143	205	3170
Sitaphal/Pumpkin/Kaddu	78	1714	94	2043	100	2051
Sweet Potato	131	1500	110	1156	105	1112
Tapioca	173	4950	163	4976	173	5582
Tomato	789	19759	781	19007	813	21195
Others	1580	22320	1441	21118	1530	22655
<b>Total Vegetables</b>	<b>10259</b>	<b>184394</b>	<b>10073</b>	<b>183170</b>	<b>10316</b>	<b>189464</b>
<b>Aromatic</b>	<b>720</b>	<b>866</b>	<b>627</b>	<b>795</b>	<b>685</b>	<b>761</b>
Flowers Cut		823		647		694
Flowers Loose	324	1962	303	2263	307	2300
<b>Total Flowers</b>	<b>324</b>	<b>2785</b>	<b>303</b>	<b>2910</b>	<b>307</b>	<b>2994</b>
<b>Honey</b>		<b>105</b>		<b>120</b>		<b>115</b>
<b>Plantation Crops</b>						
Arecanut#	497	833	718	1144	743	1108
Cashewnut	1062	817	1105	743	1125	703
Cocoa	89	20	94	24	98	26
Coconut	2097	16413	2151	14682	2105	14195
<b>Total Plantation</b>	<b>3744</b>	<b>18082</b>	<b>4069</b>	<b>16592</b>	<b>4071</b>	<b>16031</b>
<b>Spices</b>						
Ajwain	35	24	35	22	43	33
Cardamom	84	28	81	23	87	20
Chillies (Dried)	752	2149	780	1743	701	1751
Cinnamon/Tejpata	3	5	2	5	2	5
Celery, Dill & Poppy	36	34	30	30	33	34
Clove	2	1	2	1	2	1
Coriander	532	710	470	592	638	769
Cumin	966	689	1027	699	998	696
Fenugreek	149	202	122	192	117	185
Fennel	66	104	90	157	83	142
Garlic	317	1611	358	2910	358	2920
Ginger	160	1118	164	1788	175	1876
Nutmeg	23	15	24	15	24	15
Pepper#	134	66	245	137	241	134
Vanilla	5	0	0	0	0	0
Saffron			3	0	4	0
Tamarind	48	201	46	189	47	189
Turmeric	238	1133	253	961	257	946
Mint (Mentha)	327	33	334	34	328	35
<b>Total Spices</b>	<b>3878</b>	<b>8124</b>	<b>4067</b>	<b>9500</b>	<b>4138</b>	<b>9754</b>
<b>Total</b>	<b>25431</b>	<b>311714</b>	<b>25737</b>	<b>311052</b>	<b>26219</b>	<b>319567</b>

Source : Department of Agriculture, Cooperation & Farmers Welfare

\* Figures are as per 3rd Advance Estimates

#Arecanut and Black Pepper data revised by DASD for 2018-19 and 2019-20 (3rd Advanced Estimates)

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

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

Year	Potato			Onion		
	Area	Production	Yield	Area	Production	Yield
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1980-81	0.73	9.67	13258	0.25	2.50	9961
1990-91	0.94	15.21	16254	0.30	3.23	10686
2000-01	1.22	22.49	18404	0.42	4.55	10786
2010-11	1.86	42.34	22724	1.06	15.12	14210
2011-12	1.91	41.48	21753	1.09	17.51	16109
2012-13	1.99	45.34	22760	1.05	16.81	15989
2013-14	1.97	41.56	21060	1.20	19.40	16120
2014-15	2.08	48.01	23126	1.17	18.93	16111
2015-16	2.12	43.42	20509	1.32	20.93	15857
2016-17	2.18	48.60	22303	1.31	22.43	17178
2017-18	2.14	51.31	23957	1.28	23.26	18103
2018-19	2.17	50.19	23129	1.22	22.82	18705
2019-20*	2.06	48.66	23621	1.43	26.15	18287

Source : Department of Agriculture, Cooperation & Farmers Welfare

\* 3rd Advance Estimates

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

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

Year	Banana		
	Area	Production	Yield
(1)	(2)	(3)	(4)
2000-01	0.46	12.90	28133
2009-10	0.77	26.47	34363
2010-11	0.83	29.78	35880
2011-12	0.80	28.46	35725
2012-13	0.78	26.51	34161
2013-14	0.80	29.72	37037
2014-15	0.82	29.22	35549
2015-16	0.84	29.13	34635
2016-17	0.86	30.48	35440
2017-18	0.88	30.81	34859
2018-19	0.87	30.46	35161
2019-20*	0.88	31.78	36243

Source : Department of Agriculture, Cooperation & Farmers Welfare

\* 3rd Advance Estimates

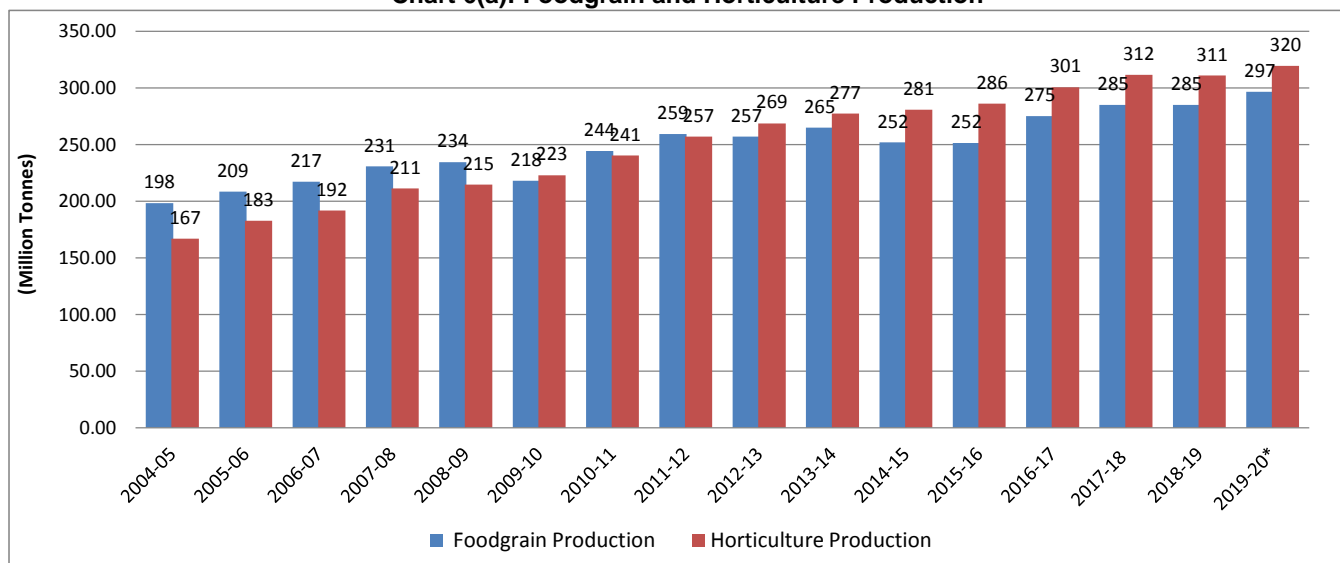
**Table:6.4 Foodgrain and Horticulture Production in India**

(Million Tonnes)		
Year	Foodgrain Production	Horticulture Production
(1)	(2)	(3)
2004-05	198.36	166.94
2005-06	208.60	182.82
2006-07	217.28	191.81
2007-08	230.78	211.24
2008-09	234.47	214.72
2009-10	218.11	223.09
2010-11	244.49	240.53
2011-12	259.29	257.28
2012-13	257.13	268.85
2013-14	265.05	277.35
2014-15	252.03	280.99
2015-16	251.54	286.19
2016-17	275.11	300.64
2017-18	285.01	311.71
2018-19	285.21	311.05
2019-20*	296.65	319.57

Source: Department of Agriculture, Cooperation & Farmers Welfare

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

**Chart 6(a): Foodgrain and Horticulture Production**



Source: Department of Agriculture, Cooperation & Farmers Welfare

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

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

(₹ in '00 crore)									
Crop	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
i) Total Fruits & Vegetables	2657	2793	2929	3042	3107	3260	3407	3423	3523
ii) Total Condiments & Spices	385	377	416	442	426	481	517	556	563
iii) Total Floriculture	174	173	178	170	197	217	236	266	273
iv) Total Plantation crops	257	253	255	267	270	257	274	311	301
<b>Total Horticultural crops (i+ii+iii+iv)</b>	<b>3473</b>	<b>3596</b>	<b>3778</b>	<b>3921</b>	<b>4000</b>	<b>4215</b>	<b>4434</b>	<b>4555</b>	<b>4660</b>
<b>All Agricultural crops</b>	<b>11915</b>	<b>11986</b>	<b>12571</b>	<b>12280</b>	<b>12067</b>	<b>12775</b>	<b>13318</b>	<b>13209</b>	<b>13706</b>
Share of Horticultural crops in All Agricultural crops (%)	29.15	30.00	30.05	31.93	33.15	32.99	33.29	34.48	34.00

Source: National Accounts Statistics- 2021, NSO

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

(₹ in '00 crore)									
Crop	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
i) Total Fruits & Vegetables	2657	3155	3877	4512	4504	4764	5487	5599.259	6953.078
ii) Total Condiments & Spices	385	379	475	586	657	748	748	811.7966	1055.224
iii) Total Floriculture	174	193	213	203	239	260	307	352.2894	525.7016
iv) Total Plantation crops	257	241	309	433	445	408	546	627.1403	585.106
<b>Total Horticultural crops (i+ii+iii+iv)</b>	<b>3473</b>	<b>3967</b>	<b>4873</b>	<b>5734</b>	<b>5844</b>	<b>6180</b>	<b>7088</b>	<b>7390</b>	<b>9119</b>
<b>All Agricultural crops</b>	<b>11915</b>	<b>13296</b>	<b>15334</b>	<b>15955</b>	<b>16372</b>	<b>18188</b>	<b>19612</b>	20260.6	23567
Share of Horticultural crops in All Agricultural crops (%)	29.15	29.84	31.78	35.94	35.70	33.98	36.14	36.48	38.69

Source: National Accounts Statistics- 2021, NSO

7.

LIVESTOCK  
STATISTICS

**Table 7.1: Livestock Population in India**

Species	(Million Numbers)								
	1951	1982	1987	1992	1997	2003	2007	2012	2019
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Cattle	155.30	192.45	199.69	204.58	198.88	185.18	199.08	190.90	193.46
Buffalo	43.40	69.78	75.97	84.21	89.92	97.92	105.34	108.70	109.85
<b>Total Bovines</b>	<b>198.70</b>	<b>262.36</b>	<b>275.82</b>	<b>289.00</b>	<b>289.00</b>	<b>283.10</b>	<b>304.76</b>	<b>299.90</b>	<b>303.76</b>
Sheep	39.10	48.76	45.70	50.78	57.49	61.47	71.56	65.07	74.26
Goats	47.20	95.25	110.21	115.28	122.72	124.36	140.54	135.17	148.89
Horses & Ponies	1.50	0.90	0.80	0.82	0.83	0.75	0.61	0.62	0.34
Camels	0.60	1.08	1.00	1.03	0.91	0.63	0.52	0.40	0.25
Pigs	4.40	10.07	10.63	12.79	13.29	13.52	11.13	10.29	9.06
Mules	0.06	0.13	0.17	0.19	0.22	0.18	0.14	0.20	0.08
Donkeys	1.30	1.02	0.96	0.97	0.88	0.65	0.44	0.32	0.12
Yaks	NC	0.13	0.04	0.06	0.06	0.06	0.08	0.08	0.058
<b>Total Livestock</b>	<b>292.80</b>	<b>419.59</b>	<b>445.29</b>	<b>470.86</b>	<b>485.39</b>	<b>485.00</b>	<b>529.70</b>	<b>512.06</b>	<b>536.76</b>
Poultry	73.50	207.74	275.32	307.07	347.61	489.1	648.88	729.21	851.81
Dogs	NC	18.54	17.95	21.77	25.48	16.51	19.09	11.67	15.31
Rabbits	NC	NC	NC	NC	NC	0.48	0.42	0.59	0.55

Source: Department of Animal Husbandry and Dairying

NC : Not Collected

Note: Total may not tally due to rounding off



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

Year	Milk (Million Tonnes)	Eggs (Billion Nos.)	Wool (Million Kgs.)
(1)	(2)	(3)	(4)
1990-91	53.9	21.1	41.2
2000-01	80.6	36.6	48.4
2009-10	116.4	60.3	43.1
2010-11	121.8	63.0	43.0
2011-12	127.9	66.5	44.7
2012-13	132.4	69.7	46.1
2013-14	137.7	74.8	47.9
2014-15	146.3	78.5	48.1
2015-16	155.5	82.9	43.6
2016-17	165.4	88.1	43.5
2017-18	176.3	95.2	41.5
2018-19	187.7	103.3	40.4
2019-20	198.4	114.4	36.7

Source: Department of Animal Husbandry and Dairying

**Table 7.3: Fish Production in India**

Year	('000 Tonnes)		
	Inland	Marine	Total
(1)	(2)	(3)	(4)
1990-91	1536	2300	1536
2000-01	2845	2811	2845
2009-10	4894	3104	4894
2010-11	4981	3250	8231
2011-12	5294	3372	8666
2012-13	5719	3321	9040
2013-14	6136	3443	9579
2014-15	6691	3569	10260
2015-16	7162	3600	10762
2016-17	7806	3625	11431
2017-18	8902	3688	12590
2018-19	9720	3853	13573
2019-20	10437	3727	14164

Source: Department of Fisheries

8.

# AGRICULTURAL INPUTS & COST

**Table 8.1: Production and Use of Agricultural Inputs in India**

Input (1)	Unit (2)	2000-01 (3)	2010-11 (4)	2011-12 (5)	2012-13 (6)	2013-14 (7)	2014-15 (8)	2015-16 (9)	2016-17 (10)	2017-18 (11)	2018-19 (12)	2019-20 (13)
<b>1. Seeds</b>												
(i) Production of Breeder Seeds	Thousand Qtls.	42.69	118.85	123.38	110.20	82.29	86.21	90.37	110.71	105.08	104.26	92.7
(ii) Production of Foundation Seeds	Lakh Qtls.	5.91	18.06	22.26	16.17	17.43	15.76	14.95	22.09	19.54	18.00	22.25
(iii) Distribution of Certified/Quality Seeds	Lakh Qtls.	86.27	277.34	294.85	313.44	301.39	303.12	304.04	348.58	352.01	320.41	383.72
<b>2. Consumption of Chemical Fertilisers</b>												
Nitrogenous (N)	Lakh Tonnes	109.20	165.58	173.00	168.21	167.50	169.46	173.72	167.35	169.58	176.28	191.00
Phosphatic(P)	Lakh Tonnes	42.15	80.50	79.14	66.53	56.33	60.98	69.79	67.05	68.54	69.68	76.62
Potassic(K)	Lakh Tonnes	15.67	35.14	25.76	20.62	20.99	25.32	24.02	25.08	27.79	27.79	26.07
Total (N+P+K)	Lakh Tonnes	167.02	281.22	277.90	255.36	244.82	255.76	267.53	259.49	265.91	273.75	293.69
Per Hectare	Kgs.	89.63	142.52	142.33	130.79	125.39	127.45	131.84	124.41	127.55	132.57	133.44
<b>3. Consumption of Pesticides (Technical Grade Material)</b>												
	Thousand Tonnes	43.58	55.54	52.98	45.62	60.28	56.27	56.72	58.63	63.41	59.67	61.70

Source: Department of Agriculture, Cooperation & Farmers Welfare

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

(Lakh Quintals)

Crop	2017-18			2018-19			2019-20					
	Require- ment	Availability		Require- ment	Availability		Require- ment	Availability				
		Public	Private		Total	Public		Private	Total	Public	Private	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Wheat	121.26	55.40	94.37	149.77	122.73	49.17	89.78	138.96	121.69	44.89	94.67	139.55
Paddy	89.50	52.47	51.60	104.07	82.61	47.87	47.89	95.77	82.40	52.21	40.07	92.28
Ragi	0.30	0.35	0.13	0.47	0.30	0.45	0.07	0.52	0.28	0.38	0.12	0.49
Barley	2.30	1.07	2.41	3.48	1.89	1.12	1.95	3.07	1.98	0.99	2.04	3.04
Maize	14.46	1.36	14.32	15.68	13.21	1.67	12.49	14.17	12.71	0.93	14.14	15.07
Bajra	2.86	0.16	3.05	3.20	2.48	0.21	2.51	2.72	2.51	0.29	2.45	2.74
Jowar	3.34	0.99	2.53	3.52	2.29	1.42	1.78	3.20	2.28	0.61	2.12	2.73
Other Cereals	0.28	0.14	0.16	0.30	0.14	0.08	0.07	0.14	0.13	0.08	0.07	0.16
<b>Total</b>	<b>234.31</b>	<b>111.92</b>	<b>168.57</b>	<b>280.49</b>	<b>225.66</b>	<b>102.00</b>	<b>156.55</b>	<b>258.55</b>	<b>223.99</b>	<b>100.39</b>	<b>155.68</b>	<b>256.07</b>
Gram	17.16	14.57	4.69	19.27	20.87	17.37	7.88	25.25	21.06	16.31	7.45	23.76
Urad	2.74	2.70	1.04	3.74	3.07	2.77	1.36	4.14	3.11	2.13	1.39	3.51
Cowpea	0.27	0.15	0.13	0.28	0.25	0.14	0.13	0.26	0.37	0.23	0.12	0.35
Moong	2.41	1.79	1.36	3.14	2.35	2.50	0.97	3.47	2.45	2.17	1.15	3.31
Horse Gram	0.20	0.05	0.12	0.17	0.09	0.03	0.06	0.09	0.17	0.03	0.16	0.19
Lentil	1.37	0.78	0.58	1.36	1.48	0.86	0.67	1.53	1.53	0.78	0.74	1.52
Lathyrus	0.01	0.02	0.00	0.02	0.10	0.04	0.06	0.10	0.09	0.04	0.04	0.09
Peas	2.39	0.82	1.54	2.36	2.47	2.34	1.67	4.01	2.35	0.55	1.50	2.06
Grain Amaranthus	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Moth	0.19	0.17	0.07	0.24	0.20	0.11	0.12	0.22	0.20	0.08	0.14	0.22
Arhar	3.31	1.59	2.22	3.81	2.83	1.36	1.80	3.17	2.70	1.54	1.63	3.17
Rajma	0.22	0.10	0.11	0.21	0.05	0.00	0.05	0.05	0.05	0.01	0.05	0.06
Kehsari	0.00	0.00	0.00	0.00	0.20	0.09	0.10	0.20	0.21	0.10	0.11	0.21
Indian bean	0.01	0.00	0.01	0.01	0.01	0.00	0.01	0.01	0.07	0.00	0.08	0.08
Rice bean	0.01	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.01
Faba bean	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.01
Guar	0.78	0.15	0.69	0.85	0.00	0.00	0.00	0.00	0.79	0.18	0.67	0.86
Other Local Pulses	0.00	0.00	0.00	0.00	1.06	0.24	0.89	1.12	0.00	0.00	0.00	0.00
<b>Total</b>	<b>31.07</b>	<b>22.90</b>	<b>12.56</b>	<b>35.46</b>	<b>35.03</b>	<b>27.85</b>	<b>15.78</b>	<b>43.63</b>	<b>35.16</b>	<b>24.16</b>	<b>15.23</b>	<b>39.39</b>
Castor	0.60	0.17	<b>0.47</b>	0.63	0.56	0.20	0.42	0.62	0.44	0.05	0.48	0.53
R/Mustard	2.32	1.08	1.47	2.55	2.34	1.78	1.21	2.99	2.47	1.67	1.17	2.84
Groundnut	24.29	15.80	9.22	25.01	25.54	15.63	13.64	29.27	21.33	10.81	14.71	25.52
Niger	0.01	0.01	0.01	0.02	0.04	0.00	0.03	0.03	0.03	0.01	0.02	0.04
Til	0.49	0.13	0.38	0.51	0.49	0.14	0.42	0.55	0.39	0.12	0.29	0.41
Linseed	0.08	0.01	0.04	0.05	0.14	0.05	0.05	0.11	0.19	0.08	0.05	0.13
Soybean	35.65	15.57	24.68	40.25	29.10	11.06	17.10	28.17	30.41	14.39	19.03	33.42
Sunflower	0.20	0.01	0.20	0.21	0.28	0.03	0.40	0.43	0.17	0.02	0.17	0.19
Safflower	0.11	0.01	0.11	0.12	0.06	0.02	0.07	0.10	0.07	0.02	0.05	0.06
<b>Total</b>	<b>63.74</b>	<b>32.79</b>	<b>36.58</b>	<b>69.36</b>	<b>58.57</b>	<b>28.91</b>	<b>33.36</b>	<b>62.27</b>	<b>55.50</b>	<b>27.17</b>	<b>35.97</b>	<b>63.14</b>
Cotton	3.17	0.07	3.40	3.46	2.20	0.02	2.45	2.46	2.15	0.15	2.29	2.44
Jute/Mesta	0.50	0.34	0.10	0.44	0.35	0.26	0.12	0.38	0.31	0.14	0.13	0.27
<b>Total</b>	<b>3.66</b>	<b>0.40</b>	<b>3.50</b>	<b>3.91</b>	<b>2.55</b>	<b>0.28</b>	<b>2.56</b>	<b>2.84</b>	<b>2.46</b>	<b>0.29</b>	<b>2.42</b>	<b>2.71</b>
Potato	38.22	11.02	18.86	29.88	31.50	11.03	20.01	31.04	70.05	11.48	58.01	69.49
Fodders	0.37	0.29	0.02	0.31	0.24	0.53	0.01	0.55	0.16	0.20	0.00	0.20
<b>Grand Total</b>	<b>371.38</b>	<b>179.33</b>	<b>240.08</b>	<b>419.41</b>	<b>353.54</b>	<b>170.60</b>	<b>228.27</b>	<b>398.88</b>	<b>387.31</b>	<b>163.69</b>	<b>267.32</b>	<b>431.01</b>

Source: Department of Agriculture, Cooperation & Farmers Welfare

**Table 8.3: Crop-wise Requirement and Availability of Certified/ Quality of Hybrid Seeds**

(Thousand Tonnes)

S.No.	Crop	2012-13		2013-14		2014-15		2015-16		2016-17		2017-18		2018-19		2019-20	
		Req.	Av.	Req.	Av.	Req.	Av.	Req.	Av.	Req.	Av.	Req.	Av.	Req.	Av.	Req.	Av.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
1	Paddy	31.60	31.30	42.80	34.20	15.10	19.50	38.50	61.40	19.21	22.09	52.37	58.52	53.22	69.30	55.52	57.62
2	Maize	97.00	103.40	94.00	96.60	93.50	106.90	101.60	120.50	100.20	125.29	113.44	129.63	116.06	124.83	96.86	130.41
3	Jowar	13.20	13.90	7.90	10.20	15.60	19.00	17.70	20.00	13.25	19.57	16.53	18.22	10.62	14.31	13.54	18.91
4	Bajra	24.00	27.10	23.60	33.20	21.00	24.80	24.10	26.60	19.64	24.98	25.93	28.81	19.90	21.72	24.29	26.54
5	Arhar	0.00	0.01	0.00	0.00	0.09	0.09	0.10	0.00	0.00	0.00	0.36	0.46	0.04	0.04	0.40	0.41
6	Sunflower	6.40	6.60	4.90	5.40	2.90	3.00	4.40	4.60	6.10	6.26	0.77	0.85	2.68	4.14	1.53	1.74
7	Safflower	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.03	0.00	0.00	0.00	0.00
8	Castor	4.00	4.30	3.40	4.30	7.10	8.40	6.00	6.10	4.91	5.78	5.23	5.49	4.96	5.46	2.31	3.07
9	Cotton	22.40	25.40	15.90	17.90	17.90	21.70	18.70	19.80	18.36	19.73	19.87	22.27	17.99	19.36	17.94	20.76
	<b>TOTAL</b>	<b>198.60</b>	<b>212.01</b>	<b>192.50</b>	<b>201.80</b>	<b>173.19</b>	<b>203.39</b>	<b>211.10</b>	<b>259.00</b>	<b>181.68</b>	<b>223.69</b>	<b>234.54</b>	<b>264.28</b>	<b>225.47</b>	<b>259.16</b>	<b>212.39</b>	<b>259.46</b>

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

Req.: Requirement Av: Availability

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

Year	Consumption				Production			Imports				(Lakh Tonnes)
	N	P	K	TOTAL	N	P	TOTAL	N	P	K	TOTAL	C &F Value of Urea Imports
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(₹ crore)
1981-82	40.69	13.22	6.73	60.64	31.44	9.49	40.93	10.54	3.43	6.44	20.41	716.62
1990-91	79.97	32.21	13.28	125.46	69.93	20.52	90.45	4.14	10.16	13.28	27.58	1335.82
2000-01	109.20	42.15	15.67	167.02	109.61	37.43	147.04	1.54	3.96	15.41	20.91	#
2010-11	165.58	80.50	35.14	281.22	121.57	42.23	163.80	44.92	38.02	40.69	123.63	8348.89
2011-12	173.00	79.14	25.75	277.90	122.59	43.68	166.27	52.40	44.27	33.35	130.02	15442.02
2012-13	168.21	66.53	20.62	255.36	121.94	38.30	160.24	46.90	27.78	12.30	86.98	15980.22
2013-14	167.50	56.33	20.99	244.82	123.78	39.60	163.38	38.08	15.90	13.33	67.31	14987.95
2014-15	169.45	60.98	25.32	255.76	123.94	41.21	165.15	47.66	18.32	25.37	91.35	12035.26
2015-16	173.72	69.79	24.02	267.53	134.16	43.94	178.10	50.68	28.88	20.53	100.09	13984.93
2016-17	167.35	67.05	25.08	259.49	133.54	45.95	179.49	33.85	21.30	23.25	78.40	7024.32
2017-18	169.58	68.54	27.79	265.91	133.83	47.23	181.06	35.88	20.47	28.95	85.30	8350.94
2018-19	176.28	69.68	27.79	273.75	133.44	45.94	179.38	47.01	31.67	26.29	104.97	-
2019-20	191.01	76.62	26.07	293.69	136.85	47.91	184.76	51.91	24.13	22.8	98.84	-

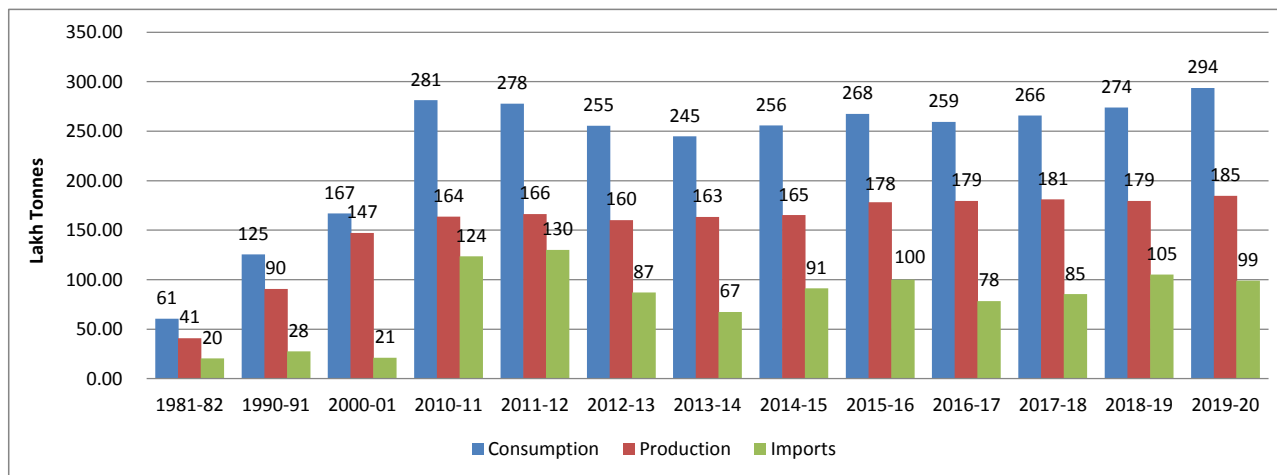
Source: Department of Fertilizers and Department of Agriculture, Cooperation & Farmers Welfare

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

Note : 1. Figures relate to imports made on Govt. Account only.

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

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



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

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

(Thousand Tonnes and Kgs. per Hectare)

S.No.	State/Zone	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	South Zone	5985.38 (176.43)	6177.58 (179.46)	5788.00 (164.79)	5724.28 (163.62)	6002.83 (168.86)	6194.68 (159.01)
2	West Zone	8205.58 (90.97)	8382.02 (93.85)	8426.41 (89.10)	8560.03 (92.12)	8735.39 (96.28)	9874.5 (99.55)
3	North Zone	7634.61 (174.42)	7906.44 (174.47)	7805.66 (169.48)	8087.75 (175.50)	8289.58 (179.51)	8804.81 (186.19)
4	East Zone	3427.26 (142.27)	4001.47 (140.90)	3653.88 (128.36)	3923.23 (137.01)	4026.01 (143.04)	4175.71 (146.48)
5	North East Zone	323.29 (50.74)	285.09 (39.01)	275.20 (63.24)	295.61 (50.64)	321.39 (54.49)	319.54 (52.03)
<b>6</b>	<b>All India</b>	<b>25576.12</b> <b>(127.45)</b>	<b>26752.61</b> <b>(131.84)</b>	<b>25949.15</b> <b>(124.41)</b>	<b>26590.90</b> <b>(127.55)</b>	<b>27375.20</b> <b>(133.12)</b>	<b>29369.24</b> <b>(133.44)</b>

*Source:* Department of Agriculture, Cooperation & Farmers Welfare

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

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

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

Source: Department of Agriculture, Cooperation & Farmers Welfare

\* As per changed targets by States

\*\* State that revised target twice



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

Sl.No.	State/UTs	Cumulative Target for Soil Samples Collection & Testing during Cycle-II (2017-18 & 2018-19)	No. of Samples Collected (Cycle-II)	No. of Samples Tested (Cycle-II)	Cumulative Target for Printing & Distribution of SHCs for Cycle-II (2017-18 & 2018-19)	No. of SHCs Distributed (Cycle-II)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
<b>Group - I</b>						
1	Uttar Pradesh	4867442	5273224	5082803	23325456	20354551
2	Maharashtra	2792042	2792042	2792042	13098115	13098115
3	Madhya Pradesh	2315844	2315844	2315844	8872453	8907385
4	Rajasthan	2865039	3030961	3022661	10431793	11860699
<b>Group - II</b>						
1	Karnataka	1665766	1665766	1665766	7832189	7832189
2	Gujarat	1684207	1684207	1684207	8694942	8694942
3	Andhra Pradesh	1357706	1364148	1364148	6967162	6967162
4	Bihar	1308778	1162950	1150356	7236232	6027738
5	West Bengal	1300349	1300349	1225000	5100000	4200000
6	Tamil Nadu	1300037	1300037	1300037	6974843	6974843
7	Telangana	960614	960614	960614	4842509	4842509
<b>Group - III</b>						
1	Punjab	835526	835526	835526	1052554	1160568
2	Haryana	1245100	1245100	1245100	4540969	4058394
3	Chhattisgarh	949334	949334	949334	4746670	4746670
4	Odisha	668636	638388	638388	3343180	1363921
<b>Group - IV</b>						
1	Kerala	173980	173980	153439	2350000	2209717
2	Goa	20000	17152	16127	20000	16127
3	Uttarakhand	137019	139390	139390	882028	882797
4	Himachal Pradesh	100000	100000	100000	960765	960765
5	J & K	165292	165292	147853	1449398	1018051
6	Jharkhand	115302	116025	116025	637508	641828
7	Arunachal Pradesh	22128	14722	8005	44256	55
8	Assam	284778	284778	284778	1300901	1300901
9	Manipur	20714	20714	20714	114522	114522
10	Meghalaya	39372	43667	43519	215235	246879
11	Mizoram	11986	11986	11986	16458	16458
12	Nagaland	24995	16712	16712	178411	12000
13	Sikkim	15243	11600	10109	66000	21470
14	Tripura	32736	32736	32736	117723	117723
15	Delhi					
<b>Union Territories</b>						
1	Andaman & Nicobar	11804	8900	5950	11804	5950
2	Dadra and Nagar Haveli	2838	2838	2838	12000	12994
3	Puducherry	7060	7060	5747	12000	7074
<b>Total</b>		<b>27301667</b>	<b>27686042</b>	<b>27347754</b>	<b>125448076</b>	<b>118674997</b>

Source: Department of Agriculture, Cooperation & Farmers Welfare

**Table 8.7: Consumption of Electricity for Agricultural Purposes**

Year	Consumption for Agricultural Purposes (GWh)	Total Consumption (GWh)	Share of Agricultural Consumption to Total Consumption (%)
(1)	(2)	(3)	(4)
1982-83	17817	95589	18.64
1985-86	23422	122999	19.04
1990-91	50321	190357	26.44
2000-01	84729	316600	26.76
2009-10	119492	569618	20.98
2010-11	126377	616969	20.48
2011-12	140960	672933	20.95
2012-13	147462	708843	20.80
2013-14	152744	751908	20.31
2014-15	168913	814250	20.74
2015-16	173185	863364	20.06
2016-17	191151	914093	20.91
2017-18	199247	973131	20.47
2018-19	213409	1037518	20.57

Source: Central Electricity Authority, Delhi

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

Year	Tractors (Nos.)	Power Tillers (Nos.)
(1)	(2)	(3)
2004-05	247531	17481
2005-06	296080	22303
2006-07	352835	24791
2007-08	346501	26135
2008-09	342836	35294
2009-10	393836	38794
2010-11	545109	55100
2011-12	535210	60000
2012-13	590672	47000
2013-14	696828	56000
2014-15	680600	46000
2015-16	571249	46453
2016-17	661995	45200
2017-18	796873	51680
2018-19	890000	52000
2019-20	880000	45000
<b>Total</b>	<b>8828155</b>	<b>669231</b>

Source: Indian Council of Agricultural Research (ICAR)

**Table 8.9: Flow of Institutional Credit to Agriculture Sector**

(Status as on 31-12-2020)

Particulars/Agency	(₹ crore)												
	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21(P)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
<b>I. Short-term (ST) Credit</b>													
Co-operative Banks	40164	56946	69038	81829	102592	113574	130350	143803	131880	136102	142750	148287	114793
RRBs	22413	29802	38121	47401	55957	70697	89326	101579	105001	119790	125654	138069	114558
Commercial Banks	147818	189908	228391	266928	314951	364164	415736	419930	452576	497322	483805	538795	369574
Other Agencies	66												
<b>Sub Total (A)</b>	<b>210461</b>	<b>276656</b>	<b>335550</b>	<b>396158</b>	<b>473500</b>	<b>548435</b>	<b>635412</b>	<b>665312</b>	<b>689457</b>	<b>753214</b>	<b>752209</b>	<b>825151</b>	<b>598925</b>
<b>II. MT/LT Credit</b>													
Co-operative Banks	5802	6551	9083	6134	8611	6389	8119	9492	10878	14218.7	9590.68	9080.31	5729
RRBs	4352	5415	6172	7049	7724	11956	13157	17681	18215	21426.5	24012.7	27257.2	23779
Commercial Banks	81133	95892	117486	101688	117540	163342	188640	223024	347205	373758	471017	531241	420331
Other Agencies	160												
<b>Sub Total (B)</b>	<b>91447</b>	<b>107858</b>	<b>132741</b>	<b>114871</b>	<b>133875</b>	<b>181687</b>	<b>209916</b>	<b>250197</b>	<b>376298</b>	<b>409403</b>	<b>504620</b>	<b>567579</b>	<b>449839</b>
<b>Total Credit (ST + MT/LT)</b>													
Co-operative Banks	45966	63497	78121	87963	111203	119963	138469	153295	142758	150321	152340	157367	120522
RRBs	26765	35217	44293	54450	63681	82653	102483	119260	123216	141216	149667	165326	138337
Commercial Banks	228951	285800	345877	368616	432491	527506	604376	642954	799781	871080	954823	1070036	789905
Other Agencies	226												
<b>Grand Total (A+B)</b>	<b>301908</b>	<b>384514</b>	<b>468291</b>	<b>511029</b>	<b>607375</b>	<b>730122</b>	<b>845328</b>	<b>915509</b>	<b>1065755</b>	<b>1162617</b>	<b>1256830</b>	<b>1392729</b>	<b>1048764</b>

Source: Department of Agriculture, Cooperation & Farmers Welfare

ST: Short Term

MT: Medium Term

LT: Long Term

P: Provisional (as on 31-12-2020)

**Table 8.10: State-wise Agricultural Loan Disbursed in 2019-20**

(Amount in ₹ Lakh)

Sl. No	State	Crop Loan		Term Loan		Total	
		No. of A/cs	Amount Disbursed	No. of A/cs	Amount Disbursed	No. of A/cs	Amount Disbursed
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	Delhi	15583	75459	38226	2087792	53809	2163250
2	Haryana	2881536	4325010	701724	2104481	3583260	6429491
3	Himachal Pradesh	542729	566620	136841	210462	679570	777082
4	Jammu & Kashmir	876168	1092928	35888	247227	912056	1340155
5	Punjab	2989280	5744444	775381	2300360	3764661	8044805
6	Rajasthan	6785350	6710407	1903275	2794654	8688625	9505061
7	Chandigarh UT	3770	18455	42550	116185	46320	134640
8	Arunachal Pradesh	4623	2734	1187	8347	5810	11081
9	Assam	395632	153553	727792	617738	1123424	771291
10	Manipur	4227	3306	19912	27869	24139	31175
11	Meghalaya	28265	14852	6905	5689	35170	20541
12	Mizoram	1603	1277	13766	15359	15369	16636
13	Nagaland	31737	10475	4702	17282	36439	27757
14	Sikkim	6491	7063	7950	10355	14441	17418
15	Tripura	69787	20252	302713	264786	372500	285038
16	A & N Island	2195	2624	9567	12238	11762	14862
17	Bihar	2122029	1716342	3713196	2367078	5835225	4083420
18	Jharkhand	485438	176811	663620	366905	1149058	543717
19	Odisha	4220048	1798135	1709016	1241710	5929064	3039844
20	West Bengal	2800284	1362037	4131898	4122905	6932182	5484942
21	Chhattisgarh	1917082	983197	329547	529275	2246629	1512472
22	Madhya Pradesh	6284120	4187075	1480075	2062584	7764195	6249659
23	Uttarakhand	469675	459799	174251	590681	643926	1050481
24	Uttar Pradesh	9116174	7436889	2479274	3451953	11595448	10888842
25	Goa	24965	29004	38107	70319	63072	99323
26	Gujarat	3165165	4396484	1114862	2926383	4280027	7322867
27	Maharashtra	3943966	3154706	2117098	5030266	6061064	8184971
28	Dadra & Nagar Haveli U	613	1146	1131	10013	1744	11160
29	Daman & Diu UT	668	1154	621	1150	1289	2304
30	Andhra Pradesh	10742180	9338035	2688090	4339808	13430270	13677843
31	Telangana	4643884	3293032	929262	3045245	5573146	6338277
32	Karnataka	5209767	4447675	5313954	4390308	10523721	8837982
33	Kerala	7164124	6222451	2382810	3519561	9546934	9742012
34	Puducherry	299327	240181	107929	97101	407256	337282
35	Tamil Nadu	18515962	14521320	6028369	7753437	24544331	22274757
36	Lakshadweep UT	251	155	465	346	716	501
	<b>Total</b>	<b>95764698</b>	<b>82515088</b>	<b>40131954</b>	<b>56757852</b>	<b>135896652</b>	<b>139272939</b>

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

**Table 8.11: State-wise and Agency-wise KCCs - Cumulative cards Issued and Amount Outstanding as on 31 March 2019 (Provisional)**

(Amount in ₹ crore and Number in lakh)

Sl. No.	State/UT	Commercial Banks		Cooperative Banks		RRBs		Total	
		Cumulative cards issued since inception	Amount Outstanding under operative KCCs	Cumulative cards issued since inception	Total Amount Outstanding	Cumulative cards issued since inception	Total Amount Outstanding	Cumulative cards issued since inception	Total Amount Outstanding
		(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1	A & N Islands	0.07	1.53	0.07	14.06	-	0.00	0.13	16.00
2	Andhra Pradesh	157.95	27608.67	20.43	9182.83	15.14	10839.26	193.51	47631.00
3	Arunachal Pradesh	0.48	48.95	0.01	4.84	0.04	24.42	0.53	78.00
4	Assam	15.87	2730.62	0.33	16.69	10.12	1104.47	26.33	3852.00
5	Bihar	47.06	8427.50	7.85	410.92	23.89	10118.67	78.80	18957.00
6	Chandigarh	0.11	277.92	-	-	-	-	0.11	278.00
7	Chhattisgarh	7.58	3703.53	15.00	1600.42	3.66	648.51	26.24	5952.00
8	Dadra & Nagar Haveli	0.26	5.60	-	-	-	-	0.26	6.00
9	Daman & Diu	0.23	7.61	-	-	-	-	0.23	8.00
10	Delhi	0.51	49.49	0.03	7.26	-	0.00	0.54	57.00
11	Goa	0.32	56.48	0.03	17.71	-	0.00	0.35	74.00
12	Gujarat	33.63	29948.74	14.55	10822.50	6.21	5814.84	54.39	46586.00
13	Haryana	25.85	26792.86	13.40	10602.01	7.38	7387.75	46.63	44783.00
14	Himachal Pradesh	5.45	3861.05	3.00	1614.10	1.48	706.14	9.94	6181.00
15	Jammu & Kashmir	9.33	4296.18	0.86	60.97	3.06	779.22	13.25	5136.00
16	Jharkhand	19.76	2880.31	0.24	45.38	4.77	1809.20	24.77	4735.00
17	Karnataka	66.42	19374.93	30.25	13593.38	29.79	11146.15	126.45	44114.00
18	Kerala	25.09	11006.69	25.68	3316.49	14.36	1538.95	65.13	15862.00
19	Lakshadweep	0.03	2.37	-	-	-	-	0.03	2.00
20	Madhya Pradesh	47.77	41117.26	60.86	17977.30	9.09	7255.52	117.72	66350.00
21	Maharashtra	83.60	25089.34	46.70	16883.34	6.45	3136.93	136.75	45110.00
22	Manipur	0.56	97.68	0.01	3.52	0.22	30.86	0.79	132.00
23	Meghalaya	1.69	156.57	0.34	32.02	0.37	124.83	2.40	313.00
24	Mizoram	0.85	47.89	0.08	5.86	1.42	56.44	2.34	110.00
25	Nagaland	1.24	120.96	0.12	17.57	0.02	1.66	1.37	140.00
26	Odisha	32.41	3874.57	41.70	11306.70	17.04	2441.64	91.15	17623.00
27	Puducherry	1.85	110.50	0.09	8.76	0.04	12.69	1.99	132.00
28	Punjab	32.08	43819.82	11.44	7308.25	3.60	5089.40	47.12	56217.00
29	Rajasthan	48.07	54869.52	46.94	7632.71	11.70	15471.84	106.71	77974.00
30	Sikkim	0.41	31.12	0.12	1.74	-	0.00	0.53	33.00
31	Tamil Nadu	81.49	12226.55	22.63	8637.90	0.71	282.28	104.83	21147.00
32	Telangana	84.74	20315.31	13.74	3827.33	19.99	12127.96	118.47	36271.00
33	Tripura	5.94	372.20	0.86	66.33	3.93	150.32	10.72	589.00
34	Uttarakhand	18.14	4532.06	3.62	1091.08	0.87	294.66	22.63	5918.00
35	Uttar Pradesh	154.99	66387.34	86.34	6401.70	133.09	36976.52	374.42	109766.00
36	West Bengal	65.02	9338.08	19.66	4223.03	3.56	1323.97	88.25	14885.00
	<b>Total</b>	<b>1076.84</b>	<b>423587.80</b>	<b>486.97</b>	<b>136734.70</b>	<b>331.99</b>	<b>136695.13</b>	<b>1895.81</b>	<b>697018.00</b>

Source: Department of Agriculture, Cooperation & Farmers Welfare

**Table 8.12: State-wise progress under Pradhan Mantri Fasal Bima Yojana (PMFBY) - Cumulative upto Rabi 2019-20**

											(₹ in lakh)
S.No.	State / UTs	No. of Farmers covered	Area Insured (In Ha )	Sum Insured	Farmers' Premium	Gol Premium (Share)	State Govt. Premium (Share)	Gross Premium	Claims Reported	Claims Paid	No. of Farmers Benefitted
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
1	Andhra Pradesh	5630792	4042664.41	2867376.93	45269.94	97115.01	124188.33	266573.28	258145.12	255221.06	1825183
2	A & N Islands	1507	1120.67	395.37	1.98	12.15	17.28	31.41	23.34	14.57	295
3	Assam	1178614	688558.98	486470.67	1323.67	3272.41	13057.18	17653.26	2177.35	415.00	10455
4	Bihar	5017345	4608834.30	2174934.79	38392.14	103049.20	103049.21	244490.56	74936.44	74936.44	434462
5	Chhattisgarh	8570925	9068068.92	2997077.21	56924.14	104850.76	104850.76	266625.66	387736.60	386450.89	2884947
6	Goa	2520	1360.07	1446.85	17.11	1.22	1.22	19.55	13.81	13.81	231
7	Gujarat	8430792	11123443.61	5381207.00	149943.52	520481.93	534101.49	1204526.95	543883.08	523213.96	2539677
8	Haryana	5817386	8283427.28	5266470.24	92522.62	84526.52	112177.31	289226.45	306502.17	305075.42	1494537
9	Himachal Pradesh	832390	293456.25	102562.33	1491.08	1793.69	1793.69	5078.46	3638.26	3589.50	193089
10	Jammu & Kashmir	312663	259921.13	186575.14	2573.88	4573.03	4573.03	11719.95	3607.07	3607.07	38556
11	Jharkhand	4461254	1936974.46	1073535.09	9081.44	51347.69	64813.58	125242.70	60195.17	9938.11	256718
12	Karnataka	8395447	8215213.62	3299675.34	77829.30	266165.85	266165.85	610161.01	564706.34	545066.00	3840861
13	Kerala	67305	55741.87	51311.72	1014.02	675.15	675.15	2364.32	5885.85	2635.32	16293
14	Madhya Pradesh	27953594	47226835.11	15085205.16	269749.18	709656.24	709745.40	1689150.82	1634560.76	1609402.33	7435012
15	Maharashtra	50349075	28632208.32	9134625.72	220766.46	747281.39	747436.08	1715483.93	1478393.87	1476348.15	24148052
16	Manipur	22183	31104.36	10927.79	193.67	253.22	253.22	700.11	376.99	376.99	15161
17	Meghalaya	4926	2613.18	2671.82	79.79	10.05	10.05	99.89	31.49	31.49	821
18	Odisha	10597611	5993713.90	3530988.70	69808.43	192542.63	192542.63	454893.69	459784.08	454928.16	2767376
19	Puducherry	30472	24734.57	14301.29	22.49	364.93	571.17	958.59	1456.20	800.32	4767
20	Rajasthan	34005210	37884556.82	10483938.74	221748.98	574593.47	574593.47	1370935.91	1121116.04	1119090.18	9650322
21	Sikkim	2263	534.39	462.15	10.00	0.20	0.20	10.40	14.78	14.78	289
22	Tamil Nadu	9250754	5081184.78	3086516.93	54945.00	261714.31	261723.38	578382.69	939441.94	932762.43	5256915
23	Telangana	3189196	2928034.56	2121852.63	38671.68	41515.67	41515.67	121703.01	72729.86	41044.00	407286
24	Tripura	60140	12132.52	7731.90	170.71	29.01	29.01	228.73	242.97	242.97	12938
25	Uttar Pradesh	23493928	19732758.26	8738447.04	161131.66	177501.06	177730.36	516363.09	249775.16	246927.75	3309176
26	Uttarakhand	659572	367117.65	251481.70	3328.04	1149.42	1149.42	5626.89	2454.17	2453.85	101252
27	West Bengal	13294047	5442999.56	3724944.22	33261.81	63555.79	114085.33	210902.92	121753.02	121435.32	2445512
<b>Total</b>		<b>221631911</b>	<b>201939314</b>	<b>80083134</b>	<b>1550273</b>	<b>4008032</b>	<b>4150849</b>	<b>9709154</b>	<b>8293582</b>	<b>8116036</b>	<b>69090183</b>

Source: Department of Agriculture, Cooperation & Farmers Welfare

**Table 8.13: State-wise progress under Restructured Weather Based Crop Insurance Scheme (RWBCIS)- Cumulative upto Rabi 2019-20**

											(₹ in lakh)
S.No.	State/ UTs	No. of Farmers covered	Area Insured (In Ha )	Sum Insured	Farmers' Premium	Gol Premium (Share)	State Govt. Premium (Share)	Gross Premium	Claims Reported	Claims Paid	No. of Farmers Benefitted
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
1	Andhra Pradesh	3210626	3479784.50	1734834.38	25812.45	77913.52	97628.72	201354.68	224353.65	224330.99	2831142
2	Assam	51749	36692.29	20547.46	410.83	140.24	140.24	691.31	501.67	501.67	23353
3	Chhattisgarh	57925	32733.28	32177.58	1608.86	4635.90	4635.90	10880.66	5616.82	5616.82	50180
4	Himachal Pradesh	476708	130716.85	212136.94	10591.08	7601.79	7626.37	25819.24	19217.36	14217.36	278496
5	Karnataka	674197	366014.34	414709.96	20746.18	44617.10	44617.10	109980.37	103905.76	92236.57	463112
6	Kerala	180889	125531.60	74315.67	1565.04	6401.44	6401.54	14368.02	13691.11	10691.11	139706
7	Madhya Pradesh	1685777	1151433.73	678919.86	34070.93	19301.89	19301.89	72674.71	103728.61	96210.87	1138551
8	Maharashtra	1205880	1108189.29	1258999.21	62947.51	174946.06	176221.01	414114.59	356806.56	349268.66	901587
9	Rajasthan	246699	165858.63	122645.62	5983.10	10888.68	10888.68	27760.46	30736.68	23736.68	163913
10	Telangana	685247	857530.72	559414.11	28466.92	42721.09	42721.86	113909.87	117868.21	56653.86	316771
11	Uttar Pradesh	24769	13048.12	14056.12	698.66	970.90	970.90	2640.47	1602.78	1602.78	21099
12	Uttarakhand	226923	102793.61	108253.09	5401.78	9411.11	9411.11	24223.99	21792.80	21792.80	210091
13	West Bengal	4218	760.43	1411.66	69.31	89.04	89.04	247.39	105.95	57.99	1151
<b>Total</b>		<b>8731607</b>	<b>7571087</b>	<b>5232422</b>	<b>198373</b>	<b>399639</b>	<b>420654</b>	<b>1018666</b>	<b>999928</b>	<b>896918</b>	<b>6539152</b>

Source: Department of Agriculture, Cooperation & Farmers Welfare



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

(Area in lakh hectare)

S.No.	Crops	2016-17			2017-18			2018-19		
		Gross Cropped Area	Area Insured	% of Area Insured	Gross Cropped Area*	Area Insured	% of Area Insured	Gross Cropped Area*	Area Insured	% of Area Insured
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1	Paddy	445.37	134.44	30.19	445.37	126.67	28.44	445.37	114.07	25.61
2	Wheat	321.18	109.64	34.14	321.18	102.07	31.78	321.18	95.44	29.72
3	Nutri Cereals	245.40	55.90	22.78	245.40	44.89	18.29	245.40	47.86	19.50
4	Sugarcane	47.14	3.46	7.33	47.14	0.63	1.33	47.14	0.79	1.69
5	Cotton	105.87	35.73	33.75	105.87	25.50	24.09	105.87	25.74	24.31
6	Jute & Mesta	7.75	0.73	9.42	7.75	0.30	3.83	7.75	0.34	4.43
7	Oilseeds	285.82	126.81	44.37	285.82	119.03	41.64	285.82	115.94	40.56
8	Pulses	264.76	68.95	26.04	264.76	64.64	24.41	264.76	77.28	29.19
9	Vegetables	67.02	27.44	40.94	67.02	26.74	39.90	67.02	22.99	34.31
10	Fruits	47.00	3.94	8.39	47.00	3.08	6.55	47.00	14.78	31.44
11	Others	178.06	3.80	2.13	178.06	1.45	0.81	178.06	4.01	2.25
<b>Area under all Crops</b>		<b>2002.03</b>	<b>570.84</b>	<b>28.51</b>	<b>2002.03</b>	<b>514.99</b>	<b>25.72</b>	<b>2002.03</b>	<b>519.25</b>	<b>25.94</b>

Source: Department of Agriculture, Cooperation & Farmers Welfare.

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

**Note: Crop-wise insured area could not be updated for 2019-20 and for previous years due to delay/non-reporting of data.**

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

States/UTs	(Area in lakh hectare)											
	2016-17			2017-18			2018-19			2019-20		
	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	74.18	15.60	20.28	74.18	20.66	26.86	74.18	18.91	24.59	74.18	20.06	26.08
A & N Islands	0.44	0.00	1.06	0.44	0.00	1.03	0.44	0.01	2.32	0.44	0.00	0.26
Arunachal Pradesh	3.13	0.00	0.00	3.13	0.00	0.00	3.13	0.00	0.00	3.13	0.00	0.00
Assam	40.87	0.42	1.02	40.87	0.41	1.01	40.87	0.49	1.20	40.87	5.93	14.53
Bihar	76.54	24.84	32.37	76.54	21.25	27.69	76.54	0.00	0.00	76.54	0.00	0.00
Chandigarh	0.01	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00
Chhattisgarh	56.73	21.68	37.85	56.73	22.16	38.69	56.73	22.75	39.71	56.73	24.42	42.63
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	0.57	0.00	0.00	0.57	0.00	0.00	0.57	0.00	0.00	0.57	0.00	0.00
Goa	1.55	0.01	0.35	1.55	0.00	0.25	1.55	0.00	0.17	1.55	0.00	0.09
Gujarat	119.94	30.21	23.65	119.94	25.48	19.95	119.94	26.11	20.44	119.94	29.44	23.05
Haryana	64.52	20.85	31.90	64.52	19.07	29.18	64.52	20.55	31.44	64.52	22.36	34.21
Himachal Pradesh	9.59	1.29	14.10	9.59	1.11	12.06	9.59	0.90	9.80	9.59	0.94	10.25
Jammu & Kashmir	11.77	0.00	0.00	11.77	1.49	12.68	11.77	1.11	9.39	11.77	0.00	0.00
Jharkhand	20.45	3.72	23.93	20.45	2.90	18.67	20.45	6.30	40.51	20.45	6.45	41.54
Karnataka	117.79	24.78	20.24	117.79	18.05	14.74	117.79	22.40	18.29	117.79	20.58	16.80
Kerala	25.84	0.53	2.02	25.84	0.48	1.82	25.84	0.43	1.65	25.84	0.37	1.41
Lakshadweep	0.02	0.00	0.00	0.02	0.00	0.00	0.02	0.00	0.00	0.02	0.00	0.00
Madhya Pradesh	242.14	126.03	52.93	242.14	118.17	49.63	242.14	129.33	54.32	242.14	110.25	46.30
Maharashtra	239.47	72.98	31.09	239.47	57.65	24.56	239.47	88.60	37.74	239.47	78.18	33.30
Manipur	4.69	0.09	2.38	4.69	0.19	4.87	4.69	0.01	0.20	4.69	0.03	0.67
Meghalaya	3.09	0.00	0.01	3.09	0.01	0.37	3.09	0.01	0.25	3.09	0.00	0.13
Mizoram	1.86	0.00	0.00	1.86	0.00	0.00	1.86	0.00	0.00	1.86	0.00	0.00
Nagaland	5.21	0.00	0.00	5.21	0.00	0.00	5.21	0.00	0.00	5.21	0.00	0.00
Odisha	48.84	13.19	25.49	48.84	13.53	26.15	48.84	14.85	28.71	48.84	18.37	35.51
Puducherry	0.26	0.07	27.25	0.26	0.00	0.00	0.26	0.08	29.91	0.26	0.09	34.44
Punjab	78.04	0.00	0.00	78.04	0.00	0.00	78.04	0.00	0.00	78.04	0.00	0.00
Rajasthan	260.36	104.83	43.26	260.36	100.39	41.42	260.36	77.41	31.94	260.36	97.88	40.39
Sikkim	1.46	0.00	0.10	1.46	0.00	0.22	1.46	0.00	0.07	1.46	0.00	0.00
Tamil Nadu	51.29	11.47	19.14	51.29	10.73	17.90	51.29	14.55	24.27	51.29	14.05	23.44
Telangana	59.70	8.24	15.50	59.70	10.53	19.80	59.70	8.03	15.10	59.70	11.06	20.82
Tripura	4.91	0.03	0.58	4.91	0.03	0.63	4.91	0.00	0.07	4.91	0.06	1.23
Uttar Pradesh	269.49	65.11	24.90	269.49	46.14	17.64	269.49	51.34	19.64	269.49	34.86	13.33
Uttarakhand	10.82	1.32	12.07	10.82	1.18	10.72	10.82	1.09	9.93	10.82	1.11	10.12
West Bengal	96.18	19.96	20.59	96.18	16.72	17.25	96.18	17.76	18.33	96.18	0.00	0.00
<b>All India Total</b>	<b>2002.03</b>	<b>567.26</b>	<b>28.33</b>	<b>2002.03</b>	<b>508.33</b>	<b>25.39</b>	<b>2002.03</b>	<b>523.02</b>	<b>26.12</b>	<b>2002.03</b>	<b>496.49</b>	<b>24.80</b>

Source: Department of Agriculture, Cooperation & Farmers Welfare

\* Latest data for Gross Area Sown (also known as Gross Cropped Area) is available till 2016-17 and the same has been used for 2016-17 to 2019-20 for estimation purpose

**Table 8.16: State-wise Area covered under Micro Irrigation**

(As on 31.03.2020)

(Hectare)

S.No.	Name of State	Drip	Sprinkler	Total
(1)	(2)	(3)	(4)	(5)
1	Andhra Pradesh	1388126	519165	1907291
2	Arunachal Pradesh	613	0	613
3	Assam	2374	11320	13694
4	Bihar	12488	106979	119467
5	Chattisgarh	27504	316456	343960
6	Goa	1336	1264	2600
7	Gujarat	800720	728843	1529563
8	Haryana	35812	592221	628033
9	Himachal Pradesh	6900	5386	12286
10	Jammu & Kashmir	93	57	150
11	Jharkhand	25081	17298	42379
12	Karnataka	723178	1048906	1772084
13	Kerala	23954	8922	32876
14	Madhya Pradesh	322181	249036	571217
15	Maharashtra	1314779	561647	1876426
16	Manipur	358	2584	2942
17	Meghalaya	308	307	615
18	Mizoram	5088	1688	6776
19	Nagaland	2424	5855	8279
20	Odisha	26134	105095	131229
21	Punjab	36025	13704	49729
22	Rajasthan	264298	1685006	1949304
23	Sikkim	6350	5260	11610
24	Tamil Nadu	686572	252573	939145
25	Telangana	195831	71009	266840
26	Tripura	444	1651	2095
27	Uttar Pradesh	32442	178624	211066
28	Uttarakhand	10965	7944	18909
29	West Bengal	10329	78182	88511
	<b>Total</b>	<b>5962707</b>	<b>6576982</b>	<b>12539689</b>

Source: Department of Agriculture, Cooperation & Farmers Welfare

**Table 8.17: State-wise Cold Storage Capacity**

(As on 31.03.2020)

S.No.	State/UT	No. of Projects	Capacity (Metric Tonnes)
(1)	(2)	(3)	(4)
1	Andaman & Nicobar Islands (UT)	3	810
2	Andhra Pradesh	405	1567664
3	Arunachal Pradesh	2	6000
4	Assam	39	178096
5	Bihar	311	1479122
6	Chandigarh (UT)	7	12462
7	Chhattisgarh	99	487292
8	Delhi	97	129857
9	Goa	29	7705
10	Gujarat	969	3822112
11	Haryana	359	819809
12	Himachal Pradesh	76	146769
13	Jammu & Kashmir	69	250169
14	Jharkhand	58	236680
15	Karnataka	223	676832
16	Kerala	199	81705
17	Lakshadweep (UT)	1	15
18	Madhya Pradesh	302	1293574
19	Maharashtra	619	1009693
20	Manipur	2	4500
21	Meghalaya	4	8200
22	Mizoram	3	4001
23	Nagaland	3	7150
24	Odisha	179	572966
25	Puducherry (UT)	3	85
26	Punjab	697	2315096
27	Rajasthan	180	611831
28	Sikkim	2	2100
29	Tamil Nadu	183	382683
30	Telangana	74	410905
31	Tripura	14	46354
32	Uttar Pradesh	2406	14714235
33	Uttarakhand	55	191314
34	West Bengal	514	5947311
	<b>Total</b>	<b>8186</b>	<b>37425097</b>

Source: Directorate of Marketing and Inspection (DMI) and National Horticulture Board (NHB) for years upto 2009-10 and National Horticulture Mission (NHM) & Ministry of Food Processing Industries(MoFPI) from 2009-10 onwards

**Table 8.18: Cost of Cultivation/Production of Principal Crops for the year 2017-18**

Crop	State	Cost of Cultivation (Rs/Hectare)		Cost of	
		A2+FL	C2	Production(Rs/Qtl.)	Yield(Qtl./ Hectare)
(1)	(2)	(3)	(4)	(5)	(6)
Paddy	Andhra Pradesh	60845.66	91244.81	1507.27	57.38
	Assam	39918.94	52019.18	1428.68	33.44
	Bihar	33602.78	47707.15	1270.28	31.06
	Chhatisgarh	37223.06	51266.76	1272.75	34.72
	Gujarat	43047.87	57164.68	1115.95	40.17
	Haryana	46060.03	83875.97	1447.82	57.28
	Himachal Pradesh	33574.60	48859.51	1376.74	28.10
	Jharkhand	40479.91	62749.73	1314.85	38.67
	Karnataka	63370.69	80763.39	2129.12	35.26
	Kerala	76548.14	97077.58	2398.89	31.20
	Madhya Pradesh	34032.84	46294.85	1573.61	26.63
	Maharashtra	71204.09	87886.29	2732.58	26.15
	Odisha	45298.79	60103.66	1394.01	40.08
	Punjab	42464.59	81377.82	1082.54	74.90
	Tamil Nadu	60054.43	83861.03	1671.41	46.21
	Uttar Pradesh	44082.67	61381.64	1562.80	37.06
	Uttarakhand	38127.38	56616.50	1694.63	30.72
	West Bengal	61087.58	78057.17	1632.12	42.86
	Wheat	Bihar	31064.27	49656.19	1274.59
Chhattisgarh		25181.14	40789.32	2114.84	16.56
Gujarat		32298.58	44626.60	1358.31	29.36
Haryana		36179.83	72462.81	1341.44	46.87
Himachal Pradesh		31381.61	47462.18	1772.97	19.46
Jharkhand		33882.62	54480.08	1791.24	24.92
Karnataka		24703.56	35240.20	2233.98	12.43
Madhya Pradesh		31764.69	49577.96	1109.88	38.43
Maharashtra		39537.73	55977.34	2314.46	23.45
Punjab		32477.41	65692.55	1169.43	51.24
Rajasthan		46982.34	69372.61	1364.06	40.28
Uttar Pradesh		39050.67	62471.16	1464.24	35.12
Uttarakhand		37441.19	57658.87	1432.22	36.09
West Bengal	36635.89	47779.89	1541.29	31.00	
Maize	Andhra Pradesh	49333.13	77284.13	1173.99	63.88
	Bihar	32051.14	48463.29	1030.87	40.43
	Chhattisgarh	38946.72	49158.38	1556.32	26.15
	Gujarat	35849.15	42630.93	1821.34	16.36
	Himachal Pradesh	28380.05	39155.59	1447.43	18.96
	Jharkhand	41617.58	65877.02	1255.90	38.78
	Karnataka	36514.27	47850.16	1439.21	30.45
	Madhya Pradesh	32889.30	43746.47	1141.56	30.88
	Maharashtra	53269.45	74751.06	960.92	68.06
	Odisha	36206.54	48679.35	1253.66	37.71
	Punjab	50812.50	70719.19	1584.75	40.09
	Rajasthan	35593.64	45604.96	1573.22	22.31
	Tamil Nadu	61189.83	96050.07	1524.63	59.52
	Uttar Pradesh	33767.40	47425.91	1544.87	26.02
	Jowar	Andhra Pradesh	42471.67	58063.38	1988.39
Karnataka		22237.17	30711.60	2174.84	10.84
Madhya Pradesh		28598.01	37530.72	1217.89	18.72
Maharashtra		36506.74	50242.47	2453.26	11.26
Rajasthan		26576.79	32707.06	2135.89	6.20
Tamil Nadu		38896.43	51088.10	3695.85	8.18

contd..

**Table 8.18: Cost of Cultivation/Production of Principal Crops for the year 2017-18**

Crop	State	Cost of Cultivation (Rs/Hectare)		Cost of	
		A2+FL	C2	Production (Rs/Qtl.)	Yield (Qtl./ Hectare)
(1)	(2)	(3)	(4)	(5)	(6)
Bajra	Gujarat	36093.61	47582.65	1191.41	26.11
	Haryana	26166.39	40676.55	1584.37	19.48
	Maharashtra	35380.24	48486.20	1921.22	21.41
	Rajasthan	23988.53	29169.11	1441.83	10.24
	Uttar Pradesh	23397.35	34463.80	1230.33	21.56
Barley	Himachal Pradesh	41869.27	54731.67	4076.19	8.42
	Rajasthan	44816.91	62510.16	1375.52	33.61
	Uttar Pradesh	32835.34	55844.96	1433.45	31.28
Ragi	Karnataka	48235.81	60198.73	2709.79	17.48
	Maharashtra	59248.31	70516.15	3982.18	16.69
	Odisha	20232.19	25515.53	3802.76	6.71
	Tamil Nadu	45235.89	58314.09	4758.17	10.65
	Uttarakhand	39114.32	47650.09	4088.38	10.54
Gram	Andhra Pradesh	34950.89	53547.02	6975.37	7.60
	Bihar	23190.32	42003.40	2121.44	19.11
	Chhatisgarh	26359.98	36464.04	3176.09	10.86
	Gujarat	29614.56	41634.63	2438.55	16.33
	Haryana	22587.86	45193.48	3419.45	12.84
	Jharkhand	11698.98	27574.08	2813.68	9.00
	Karnataka	25160.94	38444.48	3507.11	10.05
	Madhya Pradesh	27489.73	42067.59	2913.66	13.58
	Maharashtra	38196.19	54074.40	4055.99	12.95
	Punjab	37779.40	63753.63	8267.70	7.69
	Rajasthan	28507.79	41588.31	3096.95	12.40
	Uttar Pradesh	29112.26	44677.90	4996.03	8.43
	West Bengal	42444.65	50748.73	6799.33	7.27
Lentil	Bihar	15974.17	29760.01	2621.98	10.90
	Madhya Pradesh	20418.10	30743.25	2736.46	10.52
	Punjab	36858.25	60767.82	5928.57	10.00
	Uttar Pradesh	23265.15	37944.09	4840.60	7.47
	West Bengal	28069.75	41562.76	2674.64	15.13
Arhar	Andhra Pradesh	29686.25	40600.07	6539.33	6.07
	Bihar	19873.27	37001.01	2827.11	12.65
	Chhattisgarh	18401.14	21971.90	4590.02	4.10
	Gujarat	38366.73	51820.35	4419.14	10.90
	Karnataka	30710.57	44325.73	4082.40	10.47
	Madhya Pradesh	24892.29	35204.88	4315.66	7.49
	Maharashtra	66487.02	87731.72	4547.18	18.68
	Odisha	15723.88	22702.65	4441.20	5.02
	Tamil Nadu	35320.33	50883.00	6651.45	7.53
	Uttar Pradesh	23808.16	43301.87	4261.47	8.44
Moong	Andhra Pradesh	19481.36	26030.51	7116.01	3.59
	Bihar	14897.19	24709.25	6062.84	4.05
	Gujarat	24047.22	29436.72	7841.61	3.39
	Karnataka	21162.44	29154.53	4416.27	6.55
	Madhya Pradesh	17349.35	21794.75	5661.62	3.67
	Maharashtra	32468.33	41921.64	6495.09	6.36
	Odisha	15199.56	20299.44	5325.42	3.61
	Rajasthan	17809.99	22343.09	4775.48	4.11
	Tamil Nadu	19664.80	31048.82	6419.02	4.81
	Uttar Pradesh	21316.29	28715.89	5452.05	4.84
	West Bengal	25035.22	32917.72	4814.79	6.84

contd..

**Table 8.18: Cost of Cultivation/Production of Principal Crops for the year 2017-18**

Crop	State	Cost of Cultivation (Rs/Hectare)		Cost of	
		A2+FL	C2	Production(Rs/Qtl.)	Yield(Qtl./ Hectare)
(1)	(2)	(3)	(4)	(5)	(6)
Urad	Andhra Pradesh	23425.69	34847.96	4585.62	7.54
	Chhatisgarh	27936.41	32428.40	10724.20	2.83
	Gujarat	27604.25	33881.10	4269.99	7.18
	Madhya Pradesh	19025.87	25878.09	3964.77	6.07
	Maharashtra	31465.18	38117.78	5641.70	6.66
	Odisha	13963.98	19015.13	4837.97	3.69
	Rajasthan	21906.55	29495.26	4482.21	6.10
	Tamil Nadu	31273.58	52440.32	6302.92	8.16
Uttar Pradesh	15051.50	20670.64	5820.65	3.35	
Groundnut	Andhra Pradesh	52582.06	70934.11	4875.50	13.46
	Gujarat	55938.65	74734.41	3429.36	18.18
	Karnataka	42377.27	55582.32	5388.36	9.45
	Madhya Pradesh	48739.95	62519.08	3981.31	15.00
	Maharashtra	61273.77	75509.00	5453.99	13.20
	Odisha	46166.18	58472.54	5982.74	9.63
	Rajasthan	43534.61	60690.21	2870.56	19.05
	Tamil Nadu	56765.92	91452.23	5053.68	16.47
Uttar Pradesh	33631.84	44864.06	4091.09	10.65	
Rapeseed & Mustard	Assam	26472.36	35827.10	3491.80	10.22
	Bihar	22962.34	38007.28	2868.65	12.73
Mustard	Chhattisgarh	14742.57	27235.09	3651.67	7.19
	Gujarat	32013.34	49086.76	2896.76	16.09
	Haryana	25946.78	57303.84	2508.99	21.48
	Madhya Pradesh	25476.09	48316.36	2454.85	18.17
	Odisha	13621.98	19788.48	4760.16	4.16
	Punjab	28337.70	52198.32	3396.19	15.07
	Rajasthan	34758.27	52711.81	2452.02	20.50
	Uttar Pradesh	31864.30	52327.30	3034.54	16.07
West Bengal	33073.87	46141.46	3362.92	13.02	
Safflower	Karnataka	19221.96	41607.95	4041.84	9.52
	Maharashtra	29198.63	36144.81	5090.49	7.00
Sesamum	Gujarat	38130.28	52200.81	6480.07	7.95
	Karnataka	18013.04	19325.24	16463.37	1.16
	Madhya Pradesh	25056.55	34873.83	5820.69	5.67
	Odisha	9818.40	13336.71	4718.79	2.83
	Rajasthan	16551.94	22874.62	9445.59	2.35
	Tamil Nadu	37646.44	55002.17	9993.55	5.45
	Uttar Pradesh	11897.99	19784.65	6697.51	2.83
	West Bengal	43230.82	54750.89	4909.12	10.83
Soyabean	Andhra Pradesh	34888.31	50421.07	3039.17	16.59
	Chhattisgarh	17824.78	24081.92	3828.27	5.92
	Karnataka	23323.84	30383.11	3131.21	9.27
	Madhya Pradesh	25520.55	34753.40	3298.96	9.90
	Maharashtra	36656.95	46154.40	3495.22	12.93
	Rajasthan	20708.79	28066.71	2312.15	11.16
Sunflower	Karnataka	20717.43	28535.64	3531.18	7.69
Nigerseed	Odisha	17709.57	22662.69	8140.97	2.78

contd..

**Table 8.18: Cost of Cultivation/Production of Principal Crops for the year 2017-18**

Crop	State	Cost of Cultivation (Rs/Hectare)		Cost of Production(Rs/Qtl.)	Yield(Qtl./ Hectare)
		A2+FL	C2		
(1)	(2)	(3)	(4)	(5)	(6)
Cotton	Andhra Pradesh	67514.67	91532.27	5550.38	16.49
	Gujarat	62180.28	85349.91	3995.94	20.95
	Haryana	44975.58	70242.44	4747.42	14.02
	Karnataka	43430.79	60146.48	4452.44	13.29
	Madhya Pradesh	57477.49	78659.86	4077.25	17.97
	Maharashtra	64366.24	82932.20	5547.05	14.57
	Odisha	53132.74	69689.45	4342.62	16.05
	Punjab	56790.20	86268.41	4082.15	20.22
	Rajasthan	52996.87	73913.41	3988.94	17.44
Tamil Nadu	95156.99	124010.31	6752.36	18.25	
Jute	Assam	62609.13	78646.63	3575.58	19.77
	Bihar	30111.67	53347.39	2493.41	19.88
	West Bengal	74724.29	99319.52	3227.24	28.57
Sugarcane	Andhra Pradesh	130205.82	203849.25	239.67	850.03
	Bihar	63787.90	83227.06	128.98	621.55
	Haryana	52473.92	121918.75	140.26	846.02
	Karnataka	60928.42	114475.70	129.28	869.73
	Maharashtra	166571.43	231706.99	193.48	1135.38
	Punjab	83097.65	172713.79	190.78	891.93
	Tamil Nadu	145780.83	214852.28	242.10	871.99
	Uttar Pradesh	65193.78	125636.96	199.05	602.42
	Uttarakhand	57086.70	113338.76	193.31	557.67
Onion	Andhra Pradesh	142750.80	167046.99	647.34	258.05
	Gujarat	87152.05	121034.22	611.50	195.38
	Karnataka	61542.44	83322.56	1376.44	59.65
	Madhya Pradesh	72620.91	110721.80	409.66	270.28
	Maharashtra	121879.01	178683.16	697.01	254.37
Rajasthan	102374.76	134409.57	715.15	187.05	
Potato	Assam	84508.57	105912.11	792.63	133.62
	Bihar	61424.28	85284.70	545.79	156.26
	Gujarat	77093.24	107631.99	362.58	296.80
	Himachal Pradesh	64574.56	78622.18	835.87	94.06
	Karnataka	128440.14	190650.86	633.60	300.90
	Madhya Pradesh	74263.86	100333.22	464.66	215.93
	Punjab	83778.10	122171.04	342.63	356.57
	Uttar Pradesh	62979.46	87333.59	382.30	228.44
	West Bengal	118712.47	175276.95	597.66	293.27

Source: Directorate of Economics & Statistics, DAC&FW

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



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

		(₹ per quintal)							
Sl. No.	Commodity	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
<b>Kharif crops*</b>									
1	Paddy	961	978	1020	1045	1117	1166	1208	1245
2	Jowar	1269	1370	1467	1501	1556	1619	1698	1746
3	Bajra	768	832	893	925	949	990	1083	1175
4	Maize	860	914	941	966	1044	1131	1171	1213
5	Ragi	1338	1474	1688	1733	1861	1931	2100	2194
6	Arhar(tur)	3090	3105	3237	3241	3318	3432	3636	3796
7	Moong	3775	3890	3993	4065	4286	4650	4699	4797
8	Urad	3144	3225		3584	3265	3438	3477	3660
9	Cotton	2485	2510	2753	2889	3276	3433	3501	3676
10	Groundnut in shell	2720	3232	3314	3371	3159	3260	3394	3515
11	Sunflower seed	1692	1729	1770	1852	3481	3592	3767	3921
12	Soybean (black)	3000	3129	3282	3479	2121	2266	2473	2587
13	Sesamum	2919	3765	4132	4188	4067	4166	4322	4570
14	Nigerseed	2279	3084	3146	3366	3912	3918	3960	4462
<b>Rabi crops**</b>									
1	Wheat	687	679	744	785	797	817	866	960
2	Barley	620	676	735	776	816	845	860	971
3	Gram	1926	1786	1902	2124	2241	2461	2637	2866
4	Masur (lentil)	1696	1799	1866	2015	2174	2366	2532	2864
5	Rapeseed/mustard	1260	1307	1504	1702	1871	2123	2212	2415
6	Safflower	2754	2558	3025	3057	3049	3125	3294	3551
<b>Other crops***</b>									
1	Jute	1015 <sup>@</sup>	1702	2042	2125	2160	2267	2535	2709
2	Sugarcane	120	123	140	140 <sup>#</sup>	145	157	156 <sup>#</sup>	166
3	Copra	3705	4398	4138	4676	4758	5007	5540 <sup>\$</sup>	6805

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

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

\*\* For Rabi Marketing Season of the respective year \*\*\* For Marketing Season of respective year

@ : The figure consists of only A2 and not FL

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

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

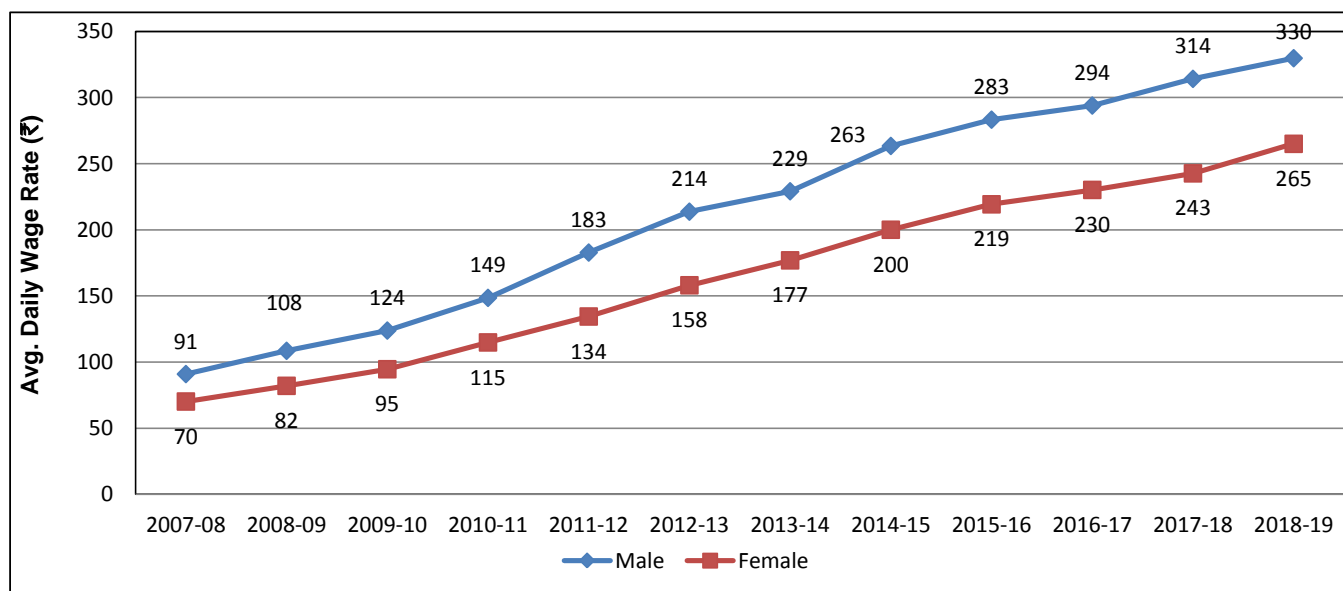
Year	Wages (₹)	
	Male	Female
(1)	(2)	(3)
2007-08	91	70
2008-09	108	82
2009-10	124	95
2010-11	149	115
2011-12	183	134
2012-13	214	158
2013-14	229	177
2014-15	263	200
2015-16	283	219
2016-17	294	230
2017-18	314	243
2018-19	330	265

Source: Directorate of Economics & Statistics

Note 1. All India annual average is calculated for 21 major States.

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

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



Source: Directorate of Economics & Statistics

9.  
PRICES  
&  
PROCUREMENT

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

Commodity	Weight	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
<b>All Commodities</b>	<b>100.00</b>	<b>106.9</b>	<b>112.5</b>	<b>113.9</b>	<b>109.7</b>	<b>111.6</b>	<b>114.9</b>	<b>119.8</b>	<b>121.8</b>
(A) Primary Articles	22.62	111.4	122.4	125.1	124.6	128.9	130.6	134.2	143.3
(B) Fuel & Power	13.15	107.1	114.7	107.7	86.5	86.3	93.3	104.1	102.2
(C) Manufactured Products	64.23	105.3	108.5	111.2	109.2	110.7	113.8	117.9	118.3
<b>Foodgrains (Cereals+Pulses)</b>	<b>3.46</b>	<b>115.1</b>	<b>124.5</b>	<b>128.4</b>	<b>137.3</b>	<b>152.0</b>	<b>142.6</b>	<b>146.7</b>	<b>159.6</b>
(a) Cereals	2.82	114.1	126.6	129.9	131.3	142.7	143.1	151.0	162.3
Rice	1.43	113.2	129.1	136.6	134.7	143.6	149.4	155.3	160.5
Wheat	1.03	115.3	124.9	123.4	128.4	142.1	138.7	149.4	159.2
Jowar	0.07	96.8	100.4	115.8	113.9	124.5	123.4	130.3	161.1
Bajra	0.09	120.0	133.0	129.6	133.8	155.1	139.1	150.4	193.7
Maize	0.19	116.0	123.1	118.5	125.5	137.0	124.7	133.2	175.4
Barley	0.01	115.6	119.2	126.8	129.1	155.2	140.6	149.8	172.9
Ragi	0.01	139.9	167.5	161.0	161.0	198.6	234.1	214.7	220.9
(b) Pulses	0.64	120.0	114.9	121.7	164.0	192.8	140.5	127.3	147.6
Gram	0.26	135.3	109.4	103.0	142.0	219.2	164.8	135.7	145.1
Arhar	0.13	109.8	118.0	128.1	193.2	181.1	116.8	118.2	149.8
Moong	0.07	108.6	122.6	145.7	165.2	136.8	114.0	119.6	142.8
Masur	0.05	115.5	132.9	153.9	188.0	176.9	135.4	122.9	139.8
Urad	0.09	96.6	100.4	124.1	180.0	201.6	128.2	114.3	149.4
Peas/Chawali	0.02	131.1	137.5	132.7	132.8	141.3	135.7	165.4	188.7
Rajma	0.01	151.0	176.4	164.7	155.5	159.6	151.4	132.8	137.4
Sugar	1.06	111.7	107.0	105.6	95.2	122.6	126.8	113.2	117.6
Gur	0.02	112.0	116.2	116.7	109.9	123.1	133.1	124.9	131.0
<b>Food Articles</b>	<b>15.26</b>	<b>110.9</b>	<b>124.5</b>	<b>131.5</b>	<b>134.9</b>	<b>140.3</b>	<b>143.2</b>	<b>143.7</b>	<b>155.8</b>
<b>Non-Food Articles</b>	<b>4.12</b>	<b>113.3</b>	<b>118.4</b>	<b>115.1</b>	<b>118.2</b>	<b>122.2</b>	<b>119.6</b>	<b>123.1</b>	<b>128.7</b>

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

**Table 9.1(b): Wholesale Price Index of Commercial Crops (Base: 2011-12=100)**

Commodity	Weight	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
<b>A. Oil Seeds</b>	<b>1.12</b>	<b>126.8</b>	<b>125.6</b>	<b>129.2</b>	<b>136.6</b>	<b>136.0</b>	<b>129.9</b>	<b>140.5</b>	<b>151.4</b>
Groundnut Seed	0.27	120.5	108.2	106.9	127.9	138.2	122.5	118.3	142.5
Rape & Mustard Seed	0.25	131.1	119.1	122.7	145.9	149.4	134.1	142.2	145.1
Cotton Seed	0.01	108.7	116.2	117.4	136.4	160.2	143.8	139.4	149.7
Copra (Coconut)	0.07	80.8	101.4	156.9	132.5	111.1	179.7	210.1	189.2
Gingelly Seed (Sesamum)	0.01	139.8	154.5	133.7	111.1	118.6	121.6	148.6	175.2
Linseed	0.01	125.4	126.4	127.3	132.5	167.6	155.5	146.2	161.5
Castor Seed	0.10	84.7	85.1	93.8	89.5	85	103.1	111.2	115.4
Niger Seed	0.00	118.4	115.9	127.3	222.8	207.6	201.3	145.1	169.9
Safflower (Kardi Seed)	0.00	114.4	113.7	99.0	107.4	114	135.0	145.0	185.3
Sunflower	0.02	112.0	114.3	108.7	114.5	111.5	99.8	112.7	121.1
Soybean	0.38	149.4	157.5	154.6	151.1	143.8	129.9	150.1	164.0
a1. Manufacture of vegetable and animal oils and fats	2.64	106.3	104.0	102.0	98.7	107	109.4	117.6	119.3
Mustard Oil	0.18	116.9	105.8	109.4	124.5	124.7	118.1	124.5	126.2
Rapeseed Oil	0.01	114.7	108.0	107.2	119.8	119	111.2	112.3	117.3
Copra Oil	0.03	91.6	107.7	155.2	141.3	129.4	162.4	109.9	167.1
Groundnut Oil	0.06	122.8	104.1	94.5	109.9	119.5	108.4	109.5	122.0
Cotton Seed Oil	0.07	106.8	102.6	99.3	97.9	100.8	101.6	112.7	113.8
Sunflower Oil	0.23	105.6	106.6	95.4	101.3	105.0	103.4	123.2	112.2
Soybean Oil	0.34	110.9	107.2	102.7	98.5	104.5	106.1	116.9	114.4
Castor Oil	0.03	92.9	97.2	103.4	97.4	95.9	106.8	112.1	116.3
Rice Bran Oil	0.30	108.0	101.7	101.6	98.5	109.4	111.2	181.2	120.9
Palm Oil	1.02	103.4	103.7	100.8	92.4	103.9	108.4	110.0	117.3
<b>B. Fruits and Vegetables</b>	<b>3.48</b>	<b>114.9</b>	<b>140.4</b>	<b>146.5</b>	<b>139.2</b>	<b>138.7</b>	<b>155.9</b>	<b>147.3</b>	<b>174.7</b>
b1. Vegetables	1.87	123.5	163.6	159.4	145.7	138	164.0	150.2	197.0
Potato	0.28	162.9	176.5	227.3	127.5	175.6	117.9	192.6	193.9
Onion	0.16	126.1	270.5	194.0	253.6	117.4	212.0	138.0	306.5
b2. FRUITS	1.60	104.9	113.3	131.5	131.6	139.5	146.5	144.0	148.6
Banana	0.33	113.2	132.5	146.2	137.1	144.9	158.3	140.6	133.8
Mango	0.46	96.0	86.8	107.3	121.2	132.1	126.7	130.2	155.4
Apple	0.08	106.9	104.3	110.0	101.0	109.1	114.3	108.7	104.1
Orange	0.13	110.5	107.8	111.8	106.9	124	125.2	112.8	111.1
<b>C. Condiments &amp; Spices</b>	<b>0.53</b>	<b>87.1</b>	<b>102.7</b>	<b>120.8</b>	<b>138.9</b>	<b>140.5</b>	<b>125.2</b>	<b>129.6</b>	<b>143.9</b>
Black Pepper	0.02	129.6	139.1	183.5	183.6	186.7	158.0	135.7	128.2
Chillies(Dry)	0.14	83.6	94.4	109.0	130.4	135.7	111.6	126.7	143.2
Turmeric	0.10	79.8	103.0	109.3	121.5	117.3	119.7	118.7	114.0
<b>D. Raw Cotton</b>	<b>0.66</b>	<b>95.0</b>	<b>108.6</b>	<b>95.8</b>	<b>89.5</b>	<b>106.8</b>	<b>107.5</b>	<b>116.6</b>	<b>116.0</b>
<b>E. Raw Jute</b>	<b>0.05</b>	<b>110.3</b>	<b>120.9</b>	<b>132.5</b>	<b>181.5</b>	<b>208</b>	<b>160.4</b>	<b>181.9</b>	<b>200.7</b>

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

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

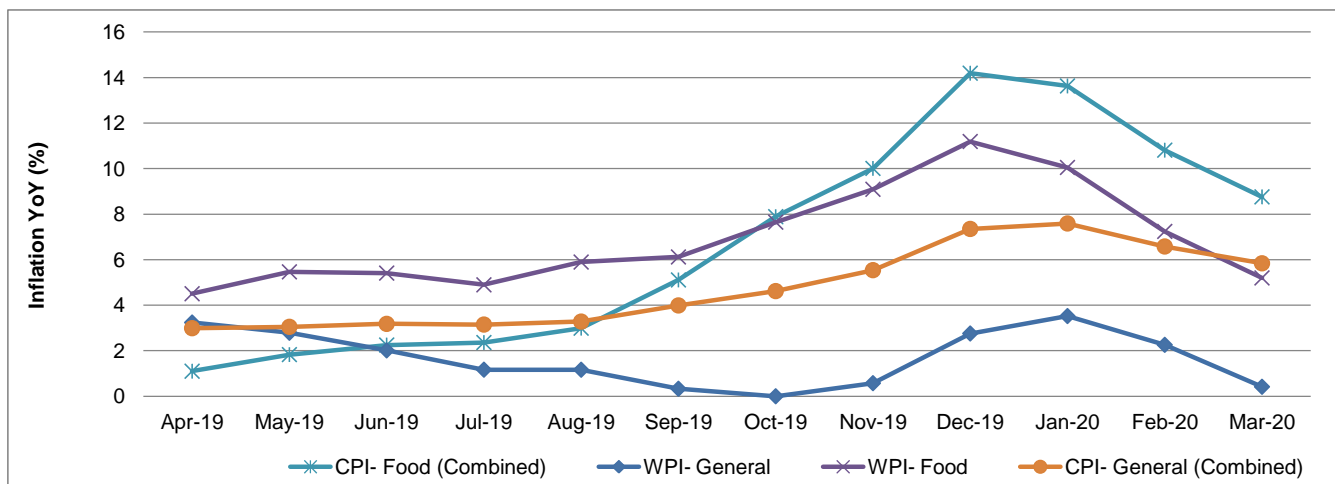
Group/Sub-Group	Weight	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
<b>General Index (All Groups)</b>	<b>100</b>	<b>102.5</b>	<b>112.2</b>	<b>118.9</b>	<b>124.7</b>	<b>130.3</b>	<b>135.0</b>	<b>139.6</b>	<b>146.3</b>
<b>Food and Beverages</b>	<b>45.86</b>	<b>103.3</b>	<b>115.6</b>	<b>123.1</b>	<b>129.4</b>	<b>135.2</b>	<b>138.1</b>	<b>139.1</b>	<b>147.5</b>
Cereals & Products	9.67	103.8	116.6	122.6	124.9	130.2	134.7	137.5	141.4
Meat and fish	3.61	103.7	112.6	121.0	128.2	134.8	141.3	148.8	162.6
Egg	0.43	103.7	115.0	118.7	121.5	129.6	134.3	137.3	143.5
Milk and products	6.61	102.2	111.0	122.5	128.8	134.1	139.6	142.2	146.3
Oils and fats	3.56	102.8	105.6	108.1	112.7	117.3	119.2	121.6	125.1
Fruits	2.89	103.0	111.9	127.4	129.4	135.6	141.9	145.2	146.2
Vegetables	6.04	105.7	137.5	142.3	144.2	141.1	149.3	141.6	171.7
Pulses and products	2.38	102.9	107.5	116.0	153.0	167.2	132.1	121.1	133.1
Sugar and confectionery	1.36	103.0	102.1	101.7	94.5	113.0	119.9	111.5	112.5
Spices	2.5	100.9	108.2	117.5	128.8	138.0	136.4	139.4	145.5
Non-alcoholic beverages	1.26	102.2	110.6	115.8	121.0	125.7	128.5	131.8	135.2
Prepared meals; snacks; sweets etc.	5.55	103.2	114.8	124.1	132.9	140.5	147.4	153.4	157.2
<b>Consumer Food Price Index</b>	<b>39.06</b>	<b>103.4</b>	<b>115.9</b>	<b>123.2</b>	<b>129.2</b>	<b>129.2</b>	<b>137.1</b>	<b>137.3</b>	<b>146.5</b>

Source: National Statistical Office

Notes:

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

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

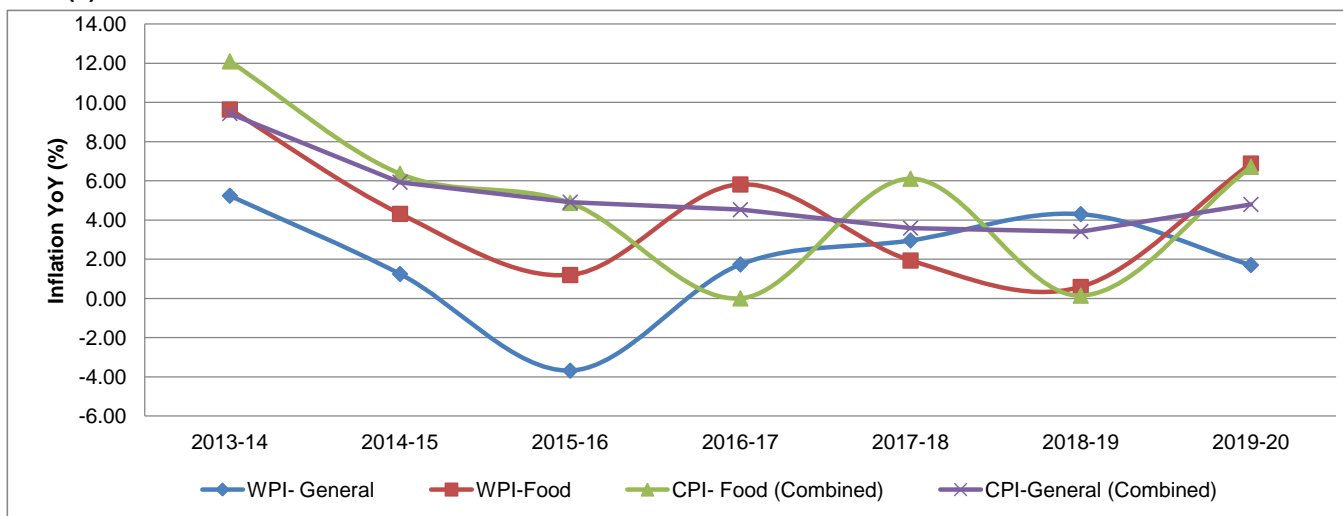


Source: Ministry of Commerce & Industry and National Statistical Office

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

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

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



Source: Ministry of Commerce & Industry and National Statistical Office

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

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

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

(Base: Triennium Ending 2011-12=100)

Year	Index of Prices Received (IPR)	Index of Price Paid (IPP) for			Combined Index (IPP)	Index of Terms of Trade (ITT)
		Final Consumption (IPP-FC)	Intermediate Consumption (IPP-IC)	Capital Formation (IPP-CF)		
Weight→		38.19	43.44	18.37	100.00	(Col-2/6*100)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
2004-05	62.35	80.18	62.12	73.06	71.03	87.78
2005-06	61.40	80.31	64.60	74.53	72.42	84.77
2006-07	63.97	77.66	67.75	78.37	73.48	87.05
2007-08	72.06	82.80	71.52	84.11	78.14	92.22
2008-09	82.06	85.61	74.72	92.10	82.07	99.98
2009-10	90.89	91.75	89.09	92.71	90.77	100.13
2010-11	101.29	97.31	98.94	99.33	98.39	102.95
2011-12	107.82	110.95	111.98	107.96	110.84	97.27
2012-13	119.49	119.80	128.36	115.21	122.67	97.40
2013-14	131.67	128.28	144.83	117.84	133.55	98.60
2014-15	138.21	132.49	157.70	122.70	141.64	97.58
2015-16	142.78	139.46	164.85	121.90	147.26	96.96
2016-17	151.04	144.15	172.36	122.67	152.46	99.07
2017-18	154.57	151.35	176.98	125.99	157.83	97.94
2018-19	158.43	158.55	183.55	133.14	164.74	96.17
2019-20(P)	171.42	166.01	191.09	133.53	170.94	100.28

Source: Directorate of Economics and Statistics

(P): Provisional



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

(Base: Triennium Ending 2011-12=100)

Year	Index of Prices Received for			Index of Prices Paid for Final Consumption for			Index of Prices Paid for		Combined Index for Prices Paid (IPP)	Index of Terms of Trade (ITT)
	Farmers	Agricultural Labourers	Index of Prices Received	Farmers	Agricultural Labourers	Combined Index for Final	Intermediate Consumption (IPP-IC)	Capital Formation (IPP-CF)		
Weight→	94.04	5.96	100.00	71.35	28.65	55.38	25.62	19.00	100.00	Col-4/10*100
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
2004-05	62.35	49.07	61.56	80.18	76.40	79.09	69.58	73.06	75.51	81.52
2005-06	61.40	55.22	61.03	80.31	77.01	79.36	71.69	74.53	76.48	79.80
2006-07	63.97	58.29	63.63	77.66	75.05	76.91	75.55	78.37	76.84	82.81
2007-08	72.06	61.83	71.45	82.80	82.10	82.60	80.51	84.11	82.35	86.76
2008-09	82.06	76.28	81.72	85.61	84.55	85.31	87.09	92.10	87.06	93.86
2009-10	90.89	85.61	90.57	91.75	91.40	91.65	92.67	92.71	92.11	98.33
2010-11	101.29	98.17	101.10	97.31	97.47	97.35	99.42	99.33	98.26	102.90
2011-12	107.82	116.22	108.32	110.95	111.14	111.00	107.91	107.96	109.63	98.81
2012-13	119.49	133.83	120.34	119.80	118.76	119.50	121.44	115.21	119.18	100.97
2013-14	131.67	151.40	132.85	128.28	129.25	128.56	130.34	117.84	126.98	104.62
2014-15	138.21	179.32	140.66	132.49	133.48	132.77	135.30	122.70	131.51	106.96
2015-16	142.78	185.04	145.30	139.46	141.16	139.94	138.33	121.90	136.10	106.76
2016-17	151.04	197.32	153.80	144.15	146.83	144.92	143.42	122.67	140.30	109.62
2017-18	154.57	205.95	157.63	151.35	154.13	152.15	143.31	125.99	144.91	108.78
2018-19	158.43	210.66	161.54	158.55	160.97	159.25	148.97	133.14	151.65	106.52
2019-20(P)	171.42	214.98	174.01	166.01	169.69	167.06	155.63	133.53	157.76	110.30

Source: Directorate of Economics and Statistics

(P) Provisional

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

( ₹ per quintal)  
(As on 07.12.2020)

Sl. No.	Commodity	Variety	2016-17	2017-18	2018-19	2019-20	2020-21
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
<b><u>Kharif Crops</u></b>							
1	Paddy	Common	1470	1550	1750	1815	1868
		Grade 'A'	1510	1590	1770	1835	1888
2	Jowar	Hybrid	1625	1700	2430	2550	2620
		Maldandi	1650	1725	2450	2570	2640
3	Bajra		1330	1425	1950	2000	2150
4	Maize		1365	1425	1700	1760	3295
5	Ragi		1725	1900	2897	3150	1850
6	Arhar(Tur)		5050 <sup>^^</sup>	5450 <sup>^</sup>	5675	5800	6000
7	Moong		5225 <sup>^^</sup>	5575 <sup>^</sup>	6975	7050	7196
8	Urad		5000 <sup>^^</sup>	5400 <sup>^</sup>	5600	5700	6000
9	Cotton	Medium Staple	3860	4020	5150	5255	5515
		Long Staple	4160	4320	5450	5550	5825
10	Groundnut In Shell		4220*	4450 <sup>^</sup>	4890	5090	5275
11	Sunflower Seed		3950*	4100*	5388	5650	5885
12	Soyabean		2775*	3050 <sup>^</sup>	3399	3710	3880
13	Sesamum		5000 <sup>^</sup>	5300*	6249	6485	6855
14	Nigerseed		3825*	4050*	5877	5940	6695
<b><u>Rabi Crops</u></b>							
15	Wheat		1625	1735	1840	1925	1975
16	Barley		1325	1410	1440	1525	1600
17	Gram		4000 <sup>^</sup>	4400 <sup>@</sup>	4620	4875	5100
18	Masur (Lentil)		3950 <sup>@</sup>	4250*	4475	4800	5100
19	Rapeseed/Mustard		3700*	4000*	4200	4425	4650
20	Safflower		3700*	4100*	4945	5215	5327
21	Toria		3560	3900	4190	4425	
<b><u>Other Crops</u></b>							
22	Copra (Calendar Year)	Milling	5950	6500	7511	9521	9960
		Ball	6240	6785	7750	9920	10300
23	De-Husked Coconut (Calendar Year)		1600	1760	2030	2571	2700
24	Jute		3200	3500	3700	3950	4225
25	Sugarcane\$		230	255	275	275	285

Source: Directorate of Economics & Statistics, DAC&FW

\$ Fair and remunerative price.

\* Including Bonus of ` 100 per quintal.

^ Including Bonus of ` 200 per quintal.

^^ Including Bonus of ` 425 per quintal.

@ Including Bonus of ` 150 per quintal

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

('000 Tonnes)									
State	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20*	2020-21*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
<b>Rice (Oct-Sept)</b>									
Punjab	8558	8106	7786	9350	11052	11833	11334	10876	12417
Haryana	2609	2406	2015	2861	3583	3992	3941	4303	3559
Uttar Pradesh	2286	1127	1698	2910	2354	2875	3233	3790	610
Andhra Pradesh	6486	3737	3596	4336	3724	4000	4806	5533	
Telangana		4353	3504	1579	3596	3618	5190	7454	183
Madhya Pradesh	898	1045	807	849	1314	1096	1395	1740	
Odisha	3615	2801	3357	3369	3630	3287	4447	4763	
Tamil Nadu	481	684	1051	1192	144	1011	1294	2204	307
West Bengal	1766	1359	2032	1568	1923	1673	1979	1838	
Chhattisgarh	4804	4290	3423	3442	4022	3255	3971	5223	
Uttarakhand	497	463	465	598	706	38	462	682	462
Others	2044	1474	2306	2164	2058	1506	2347	3542	42
<b>All-India</b>	<b>34044</b>	<b>31845</b>	<b>32040</b>	<b>34218</b>	<b>38106</b>	<b>38184</b>	<b>44399</b>	<b>51948</b>	<b>17580</b>
<b>Wheat (April-March)</b>									
Punjab	12834	10897	11641	10344	10649	11706	12692	12912	12714
Uttar Pradesh	5063	683	628	2267	797	3699	5294	3700	3577
Haryana	8665	5873	6495	6778	6752	7432	8784	9320	7400
Rajasthan	1964	1268	2159	1300	762	1245	1532	1411	2225
Madhya Pradesh	8493	6355	7094	7309	3992	6725	7313	6725	12942
Chhattisgarh		9							
Uttarakhand	139	5	1	4	2	2	110	42	38
Bihar	772	0		0	0	0	18	3	5
Chandigarh	17	0	5		7	8	14	12	11
Delhi	31			2	0			0	0
Gujarat	156	0		73	0	7	37	5	77
Himachal Pradesh	1			11	0		1	1	3
Jammu & Kashmir	9								
Maharashtra	2								
Jharkhand									
West Bengal	2	2							
<b>All-India</b>	<b>38148</b>	<b>25092</b>	<b>28023</b>	<b>28088</b>	<b>22961</b>	<b>30824</b>	<b>35795</b>	<b>34131</b>	<b>38992</b>

Source : Department of Food and Public Distribution.

\* Position as on 11.11.2020

**Table 9.6(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)
<b>1.</b>	<b>Arhar</b>				
	2016-17	5050	195993.68	98976.81	Gujarat, Karnataka and Maharashtra
	2017-18	5450	873758.62	476198.45	Andhra Pradesh, Gujarat, Karnataka, Maharashtra and Telangana
	2018-19	5675	291000.87	165142.99	Andhra Pradesh, Gujarat, Karnataka, Madhya Pradesh, Maharashtra, Tamilnadu and Telangana
	2019-20	5800	547272.15	317417.85	Andhra Pradesh, Gujarat, Karnataka, Madhya Pradesh, Maharashtra, Tamilnadu and Telangana
	2020-21*	6000	10763.63	6458.18	Andhra Pradesh, Gujarat, Karnataka, Madhya Pradesh, Maharashtra, Tamilnadu and Telangana
<b>2.</b>	<b>Urad</b>				
	2016-17	-	-	-	-
	2017-18	5000 (Rabi) and 5400 (Kharif)	292413.90	157273.60	Andhra Pradesh, Gujarat, Karnataka, Madhya Pradesh, Maharashtra, Rajasthan, Telangana, Uttar Pradesh and West Bengal
	2018-19	5400 (Rabi) and 5700 (Kharif)	560980.85	312410.72	Andhra Pradesh, Gujarat, Karnataka, Madhya Pradesh, Maharashtra, Odisha, Rajasthan, Tamil Nadu, Telangana and Uttar Pradesh
	2019-20	5600 (Rabi) and 5700 (Kharif)	18373.23	10290.33	Andhra Pradesh, Maharashtra, Odisha, Rajasthan, Tamil Nadu and Telangana
	2020-21*	5600 (Rabi) and 6000 (Kharif)	137.16	82.30	Andhra Pradesh, Maharashtra, Odisha, Rajasthan, Tamil Nadu and Telangana
<b>3.</b>	<b>Gram</b>				
	2016-17	-	-	-	-
	2017-18	-	-	-	-
	2018-19	4400	2769430.16	1218549.27	Andhra Pradesh, Gujarat, Karnataka, Madhya Pradesh, Maharashtra, Rajasthan, Telangana and Uttar Pradesh
	2019-20	4620	776406.21	358699.67	Andhra Pradesh, Gujarat, Haryana, Karnataka, Madhya Pradesh, Maharashtra, Rajasthan, Telangana and Uttar Pradesh
	2020-21*	4875	2158434.06	1052236.6	Andhra Pradesh, Gujarat, Haryana, Karnataka, Madhya Pradesh, Maharashtra, Rajasthan, Telangana and Uttar Pradesh
<b>4.</b>	<b>Lentil</b>				
	2016-17	-	-	-	-
	2017-18	-	-	-	-
	2018-19	4250	246943.85	104951.14	Madhya Pradesh and Uttar Pradesh
	2019-20	4475	56237.87	25166.45	Madhya Pradesh and Uttar Pradesh
	2020-21*	4800	1433.88	688.26	-

contd..

**Table 9.6(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)
<b>5.</b>	<b>Moong</b>				
	2016-17	5225	9496.71	4962.03	Karnataka and Maharashtra
	2017-18	5225 (Rabi) and 5575 (Kharif)	407309.18	223140.66	Andhra Pradesh, Karnataka, Madhya Pradesh, Maharashtra, Odisha, Rajasthan and Telangana
	2018-19	5575 (Rabi) and 6975 (Kharif)	306960.29	213505.72	Andhra Pradesh, Gujarat, Haryana, Karnataka, Madhya Pradesh, Maharashtra, Odisha, Rajasthan, Tamil Nadu and Telangana
	2019-20	6975 (Rabi) and 7050 (Kharif)	166051.49	116871.05	Andhra Pradesh, Gujarat, Haryana, Karnataka, Maharashtra, Odisha, Rajasthan, Tamil Nadu and Telangana
	2020-21*	6975 (Rabi) and 7196 (Kharif)	20842.13	14894.16	Andhra Pradesh, Gujarat, Haryana, Karnataka, Maharashtra, Odisha, Rajasthan, Tamil Nadu and Telangana

Source: Department of Agriculture, Cooperation & Farmers Welfare

\* As on 04.03.2021

'FAQ: Fair and Average Quality

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

Quantity in Metric Tonnes  
Value in ₹ Crore

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

Source: Department of Consumer Affairs

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

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

10.  
PER-CAPITA  
AVAILABILITY  
& CONSUMER  
EXPENDITURE

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

Year	Rice	Wheat	(Kgs Per Year)			Food
			Cereals	Pulses	Grains	
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1951	58.0	24.0	40.0	122.0	22.1	144.1
1961	73.4	28.9	43.6	145.9	25.2	171.1
1971	70.3	37.8	44.3	152.4	18.7	171.1
1981	72.2	47.3	32.8	152.3	13.7	166.0
1991	80.9	60.0	29.2	171.0	15.2	186.2
2001	69.5	49.6	20.5	141.0	10.9	151.9
2011	66.3	59.7	23.9	149.9	15.7	170.9
2012	69.4	57.8	21.9	149.1	15.2	169.3
2013	72.1	66.8	19.2	158.1	15.8	179.5
2014	72.3	66.8	22.6	161.6	16.9	178.6
2015	67.9	61.3	28.4	153.8	16.0	169.8
2016	67.2	72.9	26.1	162.0	15.7	177.7
2017	66.8	66.7	29.4	158.4	20.0	178.4
2018	69.2	61.5	30.6	161.3	18.7	180.1
2019	70.1	64.6	28.6	163.3	17.2	180.5
2020(P)	73.4	64.8	31.3	169.6	17.5	187.1

Source: Directorate of Economics and Statistics, DAC&FW

P- Provisional figures based on 4th Advance Estimates of production for 2019-20

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

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

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

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

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

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

Year	Edible	Vanaspati <sup>b</sup>	Sugar	Cloth (meters) <sup>d</sup>		Tea	Coffee <sup>f</sup>	
	Oils <sup>a</sup>	(kg.)	(Nov-Oct)	Cotton <sup>e</sup>	Man-made			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1980-81	3.8	1.2	7.3	12.9	4.4	17.3	511	79
1990-91	5.5	1.0	12.7	15.1	9.0	24.1	612	59
2000-01	8.2	1.3	15.8	14.2	16.5	30.7	631	58
2009-10	13.3	1.1	17.9	19.7	23.4	43.1	709	86
2010-11	13.6	1.0	17.0	21.4	22.6	44.0	715	90
2011-12	13.8	1.0	18.7	19.8	20.7	40.5	728	95
2012-13	15.8	0.7	18.7	19.9	18.6	38.5	779	97
2013-14	16.8	0.8	19.5	19.9	16.4	36.2	744	100
2014-15	18.3	0.8	20.3	23.6	17.0	40.6	752	100
2015-16	17.7	0.8	19.4	24.6	15.9	40.5	758	100
2016-17	18.2	0.7	18.9	25.8	15.8	41.6	767	100
2017-18	19.5	0.7	19.5	26.8	17.9	44.6	830	100
2018-19	18.1	0.6	19.5	28.5(P)	18.8(P)	47.2(P)	840	100
2019-20	19.2	0.6	18.8(P)	NA	NA	NA	850	100

Source: Economic Survey 2020-21, Ministry of Finance

(P) Provisional

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

b: Relates to calendar year.

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

d: The data of cloth; prior to 1980-81 is calendar year wise, in meters up to 1984-85 and square 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 fiber fabrics after 1969.

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



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

Item group	Rural			Urban		
	Share in total consumer expenditure			Share in total consumer expenditure		
	2004-05	2009-10	2011-12	2004-05	2009-10	2011-12
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Cereal	18.0	15.6	12.0	10.1	9.1	7.3
Gram	0.1	0.2	0.2	0.1	0.1	0.1
Cereal substitutes	0.1	0.1	0.1	0.0	0.0	0.1
Pulses & products	3.1	3.7	3.1	2.1	2.7	2.1
Milk & products	8.5	8.6	9.1	7.9	7.8	7.8
Edible oil	4.6	3.7	3.8	3.5	2.6	2.7
Egg fish & meat	3.3	3.5	3.6	2.7	2.7	2.8
Vegetables	6.1	6.2	4.8	4.5	4.3	3.4
Fruits & nuts	1.9	1.6	1.9	2.2	2.1	2.3
Sugar	2.4	2.4	1.8	1.5	1.5	1.2
Salt & spices	2.5	2.4	2.4	1.7	1.5	1.7
Beverages, etc.	4.5	5.6	5.8	6.2	6.3	7.1
<b>Food Total</b>	<b>55.0</b>	<b>53.6</b>	<b>48.6</b>	<b>42.5</b>	<b>40.7</b>	<b>38.5</b>
Paan, tobacco, intox.	2.7	2.2	2.4	1.6	1.2	1.4
Fuel & light	10.2	9.5	9.2	9.9	8.0	7.6
Clothing & bedding	4.5	4.9	6.3	4.0	4.7	5.3
Footwear	0.8	1.0	1.3	0.7	0.9	1.2
Misc. & services	23.4	24.0	26.1	37.2	37.8	39.7
Durable goods	3.4	4.8	6.1	4.1	6.7	6.3
<b>Non-food Total</b>	<b>45.0</b>	<b>46.4</b>	<b>51.4</b>	<b>57.5</b>	<b>59.3</b>	<b>61.5</b>
<b>Total expenditure</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

Source: National Statistical Office (NSO)

11.

KEY INDICATORS OF  
SITUATION OF  
AGRICULTURAL  
HOUSEHOLDS IN  
INDIA

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

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

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

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

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

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

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

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

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

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

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

**Table 11.3: Incidence of Indebtedness in major States**

State	Estimated Number of Indebted Agricultural Households('00)	% to Total Indebted Agricultural Households	% Share in Total Foodgrains in 2019-20*	
			Area	Production
(1)	(2)	(3)	(4)	(5)
1. Uttar Pradesh	79081	16.9	15.35	18.55
2. Maharashtra	40672	8.7	9.09	4.72
3. Rajasthan	40055	8.5	12.39	7.81
4. Andhra Pradesh**	33421	7.1	3.23	4.21
5. West Bengal	32787	7.0	5.05	6.16
6. Karnataka	32775	7.0	6.09	4.24
7. Bihar	30156	6.4	4.93	4.85
8. Madhya Pradesh	27414	5.9	11.87	11.13
9. Odisha	25830	5.5	3.74	2.93
10. Telangana**	22628	4.8	2.51	3.71
11. Punjab	7499	1.6	5.21	10.12
12. Other States/UTs	96163	20.5	20.54	21.57
<b>All India</b>	<b>468481</b>	<b>100.0</b>	<b>100.00</b>	<b>100.00</b>

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

\* As per the 4th Advance Estimates

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

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

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

State	% of Marginal Indebted Agricultural Households (upto 1.0 ha of land)	% of Small Indebted Agricultural Households (1.01 to 2.00 ha)	% of Semi-Medium Indebted Agricultural Households (2.01 to 4.00 ha)	% of Medium Indebted Agricultural Households (4.01 to 10.00 ha)	% of Large Indebted Agricultural Households (>10.00 ha)
(1)	(2)	(3)	(4)	(5)	(6)
1. Uttar Pradesh	77.2	13.4	7.1	2.1	0.2
2. Maharashtra	35.6	29.3	22.8	11.6	0.7
3. Madhya Pradesh	42.3	27.4	21.4	7.5	1.3
4. Rajasthan	50.9	18.3	16.8	12.1	1.9
5. Karnataka	52	24.4	14.8	7.4	1.3
6. Andhra Pradesh*	52.2	23.9	16.1	6.9	0.9
7. Telangana*	51	23.6	19.6	5	0.9
8. Bihar	86.7	10	2.6	0.7	0
9. West Bengal	91.1	7.4	1.4	0.1	0
10. Punjab	46.2	15.9	17.9	17.6	2.4
11. Odisha	78.7	15.2	4.3	1.8	0.1
<b>All India</b>	<b>63.6</b>	<b>18.4</b>	<b>12</b>	<b>5.4</b>	<b>0.6</b>

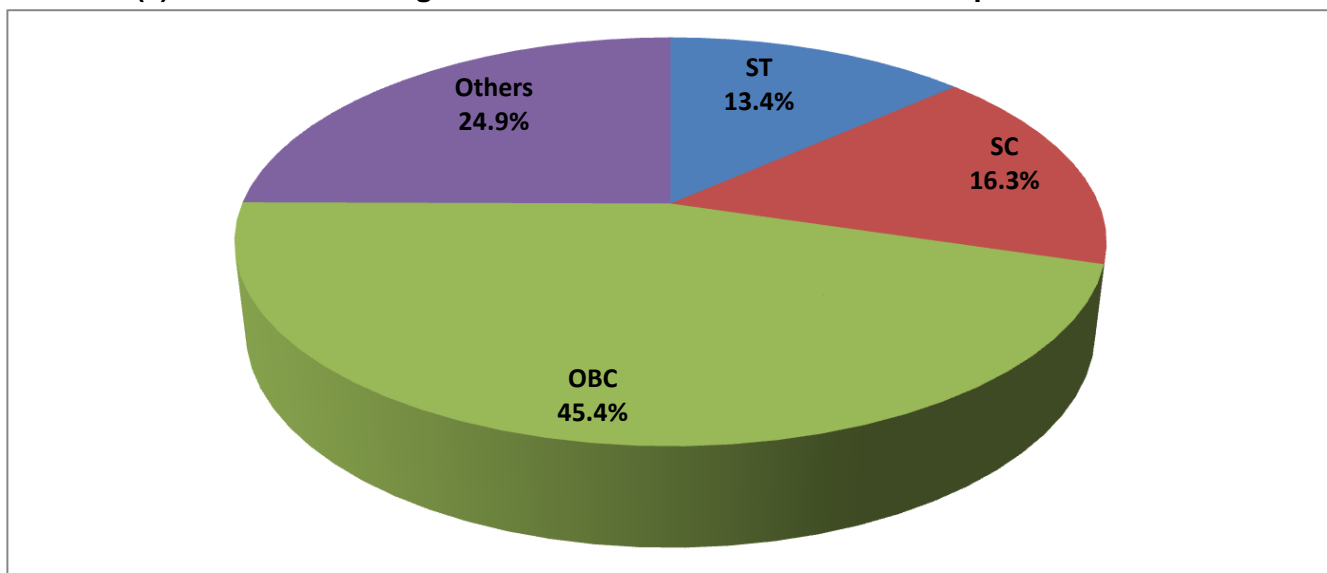
Source: Situation Assessment Survey of Agricultural Households (Jan-Dec 2013), National Statistical Office (NSO)

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

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

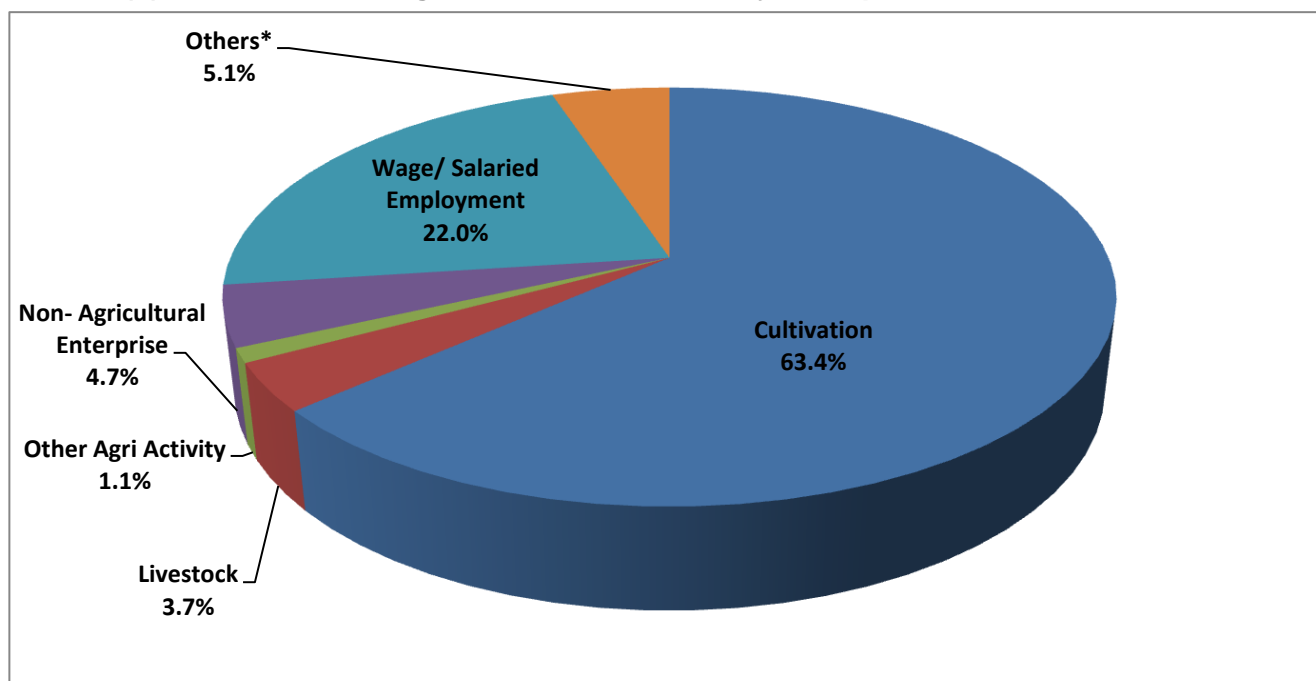
2 Indebtedness relates to all kind of outstanding loans irrespective of the purpose for which taken

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



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

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



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

\* Others include pension and remittance also

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

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

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



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

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

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

12.

AGRICULTURAL  
PROJECTIONS

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

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

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

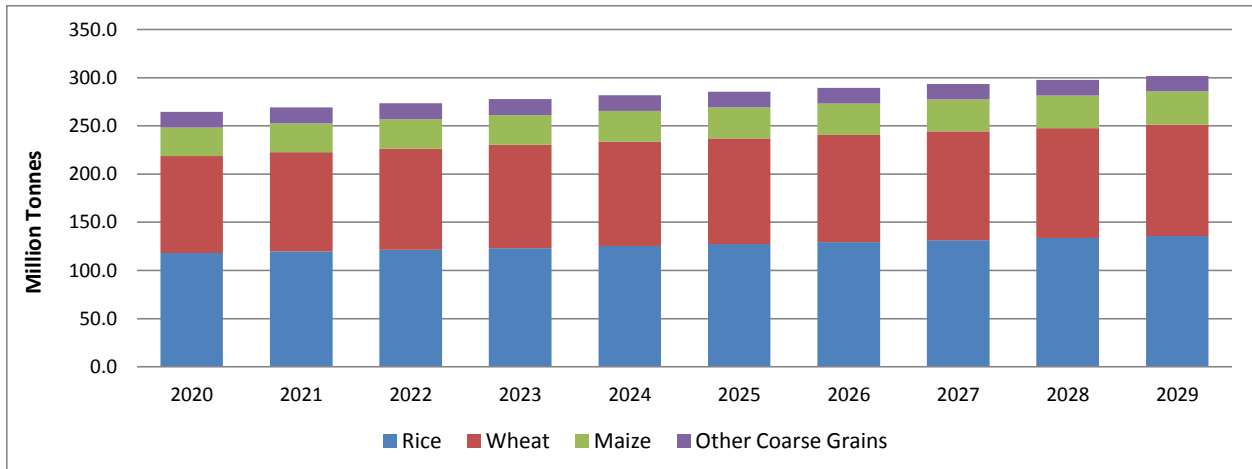
**Table 12.2: Supply Estimates of Foodgrains and Other Major Crops in India**

(Million Tonnes)

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

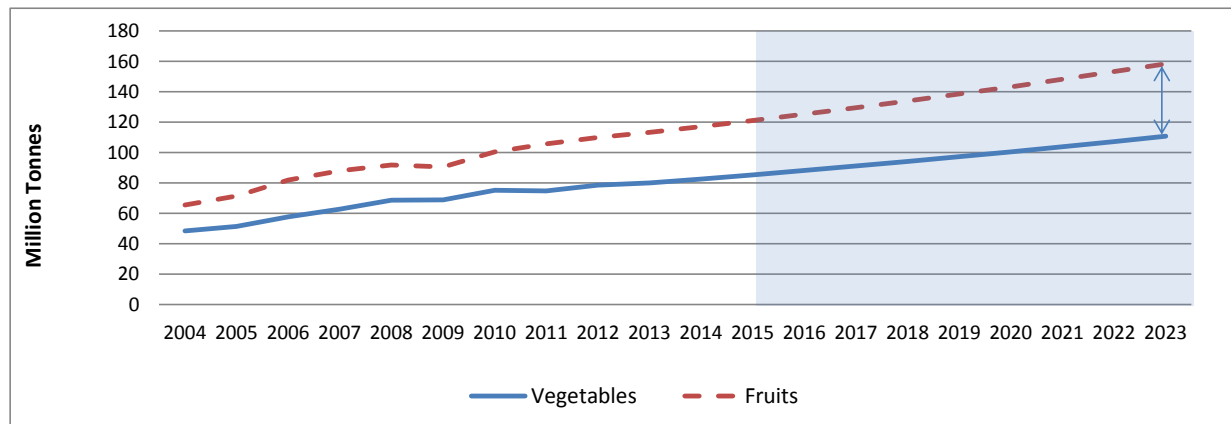
Source: Working Group Report on Demand and Supply Projections Towards 2033, NITI Aayog

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



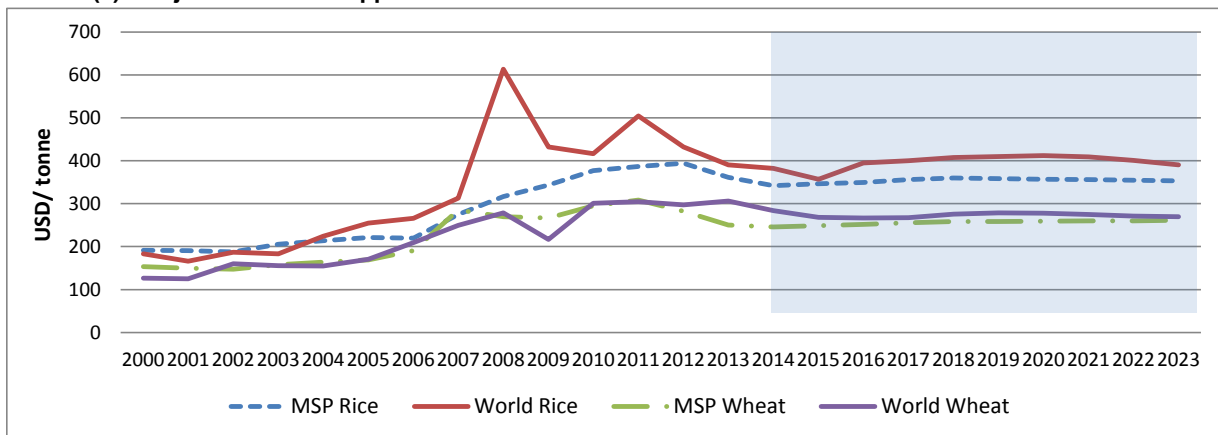
Source: OECD- FAO Agriculture Outlook (2020-2029)

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



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

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

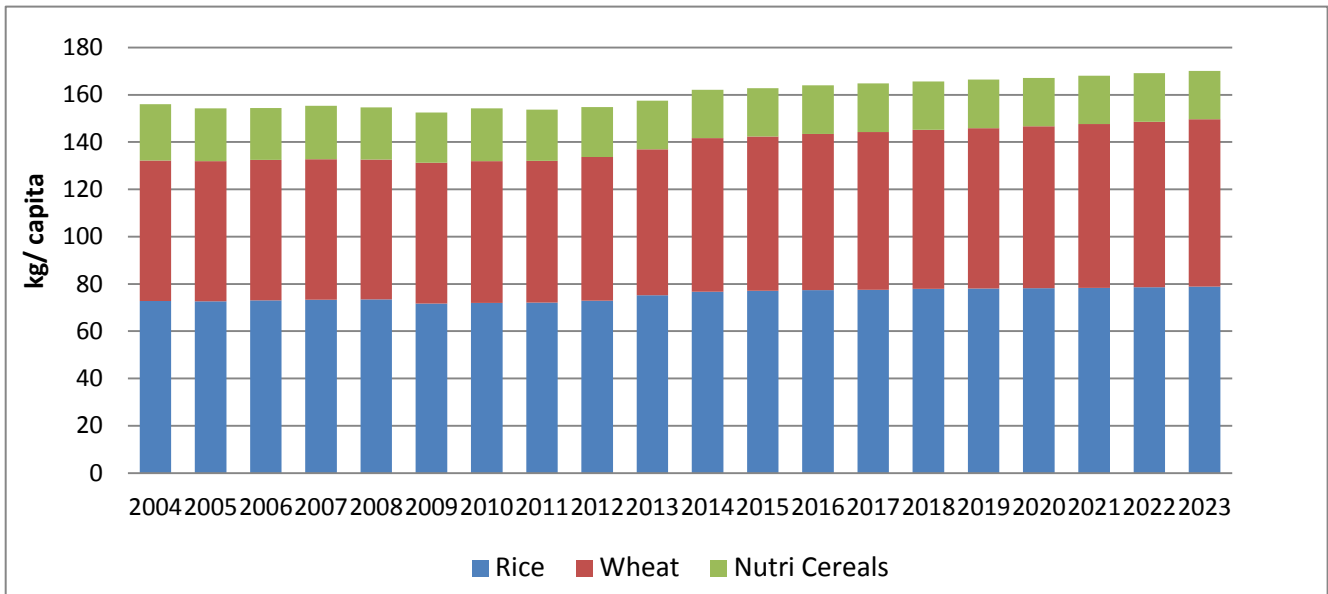


Source: OECD- FAO Agriculture Outlook (2014-2023)

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

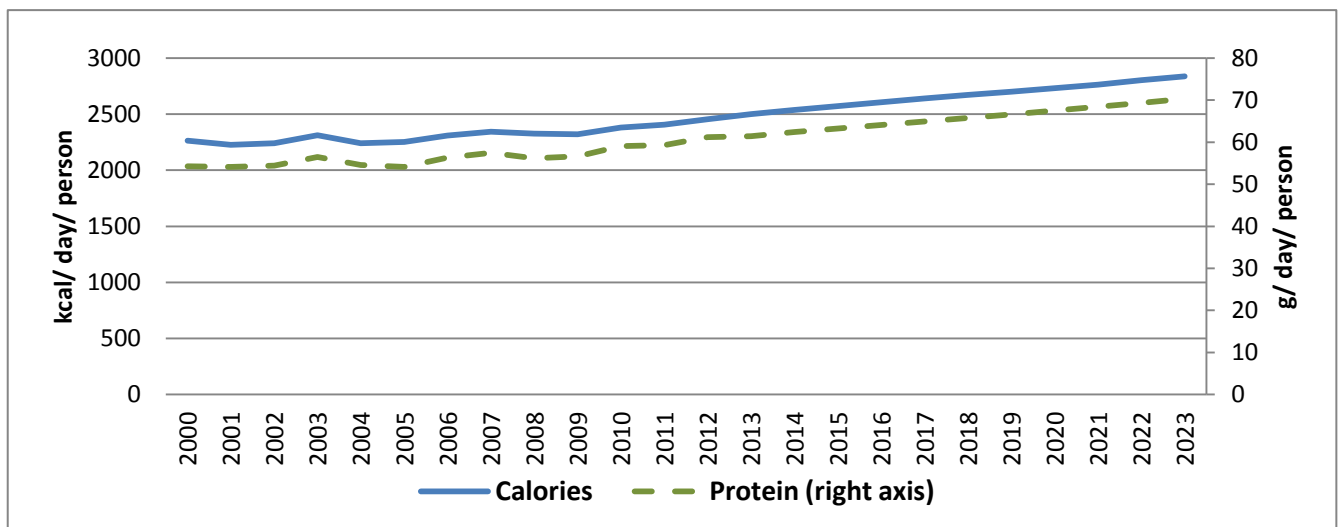
Market Margins of 15% are added to MSP. The world reference price for wheat is US Gulf HRW, and for rice is Vietnam 5%.

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



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

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



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

13.

**IMPORTS & EXPORTS  
OF PRINCIPAL  
AGRICULTURAL  
COMMODITIES**

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

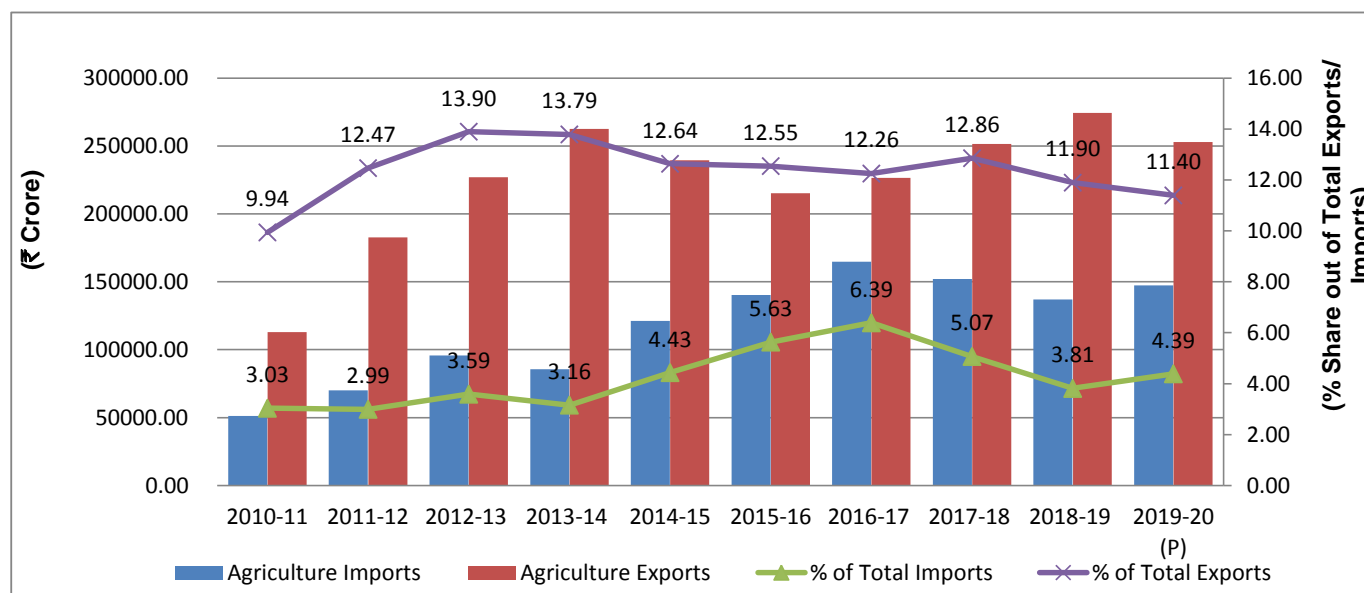
(Value in ₹ crore)

Year	Agricultural Imports	Total Imports	Share of Agricultural Imports in Total Imports (%)	Agricultural Exports	Total Exports	Share of Agricultural Exports in Total Exports (%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1990-91	1205.86	43170.82	2.79	6012.76	32527.28	18.49
2000-01	12086.23	228306.64	5.29	28657.37	201356.45	14.23
2010-11	51073.97	1683466.96	3.03	113046.58	1136964.25	9.94
2011-12	70164.51	2345463.23	2.99	182801.00	1465959.39	12.47
2012-13	95718.89	2669161.95	3.59	227192.61	1634318.28	13.90
2013-14	85727.30	2715420.78	3.16	262778.54	1905011.08	13.79
2014-15	121319.02	2736676.99	4.43	239681.04	1896348.42	12.64
2015-16	140289.22	2490303.76	5.63	215396.32	1716384.39	12.55
2016-17	164726.83	2577671.14	6.39	226651.91	1849433.55	12.26
2017-18	152095.20	3001028.71	5.07	251563.94	1956514.52	12.86
2018-19	137019.46	3594674.22	3.81	274571.28	2307726.19	11.90
2019-20 (P)	147445.81	3360954.45	4.39	252976.06	2219854.17	11.40

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

(P) - Provisional

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



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



**Table 13.2: India's Imports of Principal Agricultural Commodities**

Commodity	(Quantity: '000 tonnes) (Value in ₹ crore)					
	2017-18		2018-19		2019-20 (P)	
	Quantity	Value	Quantity	Value	Quantity	Value
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Tea	24.94	356.99	28.85	417.96	21.94	411.06
Coffee	77.22	996.50	82.77	958.59	88.09	962.16
Rice- Basmati	0.00	0.00	0.00	0.00	0.00	0.00
Rice(other than Basmati)	2.12	12.18	6.87	32.14	5.64	78.75
Wheat	1649.73	2357.84	2.75	5.44	1.88	4.63
Other cereals	265.13	433.90	244.32	471.28	673.06	1221.12
Pulses	5607.53	18748.57	2527.88	8035.30	2898.08	10221.45
Tobacco unmanufactured	1.54	69.47	2.60	102.89	4.77	154.73
Tobacco manufactured	-	185.92	-	257.52	-	237.20
Spices	222.33	6385.26	240.56	7932.70	320.94	10186.93
Cashew	654.02	9134.33	839.64	11162.32	941.42	9026.34
Cashew nut shell liquid	2.09	5.66	6.61	21.05	8.67	22.94
Sesame seeds	26.27	176.77	87.54	875.17	146.99	1450.19
Niger seeds	5.33	29.00	8.66	40.62	4.70	24.43
Groundnut	1.72	13.04	1.09	8.14	1.95	11.47
Other oil seeds	127.35	364.59	220.48	745.35	410.94	1527.78
Vegetable oils	15361.02	74995.91	15019.30	69023.79	14722.11	68558.16
Oil meals	485.96	746.67	504.00	869.56	859.80	1519.48
Guargam meal	0.43	3.30	0.72	5.90	2.15	25.90
Castor oil	0.04	2.54	0.22	5.32	0.14	8.03
Shellac	0.00	18.38	0.64	19.35	0.85	23.49
Sugar	6.87	6035.84	1490.61	3175.39	1117.73	2473.25
Mollases	0.01	69.29	4.47	1.38	31.72	10.21
Fruits / vegetable seeds	0.00	768.26	19.73	835.81	17.78	851.79
Fresh fruits	11.29	12524.55	1124.18	13931.65	993.73	14137.09
Fresh vegetables	0.01	25.64	14.75	24.22	150.10	594.82
Processed vegetables	0.00	134.83	18.10	161.83	33.62	253.68
Processed fruits and juices	0.00	803.81	59.12	909.34	54.10	771.22
Cereal preparations	0.58	659.68	90.58	971.36	95.94	1007.66
Cocoa products	0.00	1473.10	87.60	1845.89	85.28	1833.97
Milled products	0.00	13.02	4.18	15.60	4.33	16.11
Misc processed items	-	2249.73	-	2560.20	-	2635.85
Animal casings	0.00	0.00	0.00	0.00	0.00	0.00
Buffalo meat	0.00	0.00	0.00	0.00	0.00	0.00
Sheep/goat meat	0.01	13.36	0.12	10.83	0.16	13.21
Other meat	0.02	27.80	0.88	30.65	0.95	32.82
Processed meat	0.00	3.22	0.12	4.14	0.12	4.52
Dairy products	0.00	312.59	13.64	254.12	20.42	371.68
Poultry products	-	26.87	-	41.80	-	40.44
Floriculture products	0.00	136.46	6.37	174.09	7.20	229.64
Alcoholic beverages	-	3876.14	-	4678.72	-	4643.52
Marine products	44.71	793.30	56.93	1088.13	72.41	1290.17
Ayush and herbal products	13.64	392.72	20.14	510.23	41.21	598.49
Jute, raw	68.14	289.02	57.25	235.86	77.18	350.39
Jute hessian	-	122.38	-	184.40	-	237.83
Cotton raw incld. Waste	469.13	6306.77	299.27	4383.40	744.33	9371.21
<b>Total Agricultural Imports</b>	-	<b>152095.20</b>	-	<b>137019.46</b>	-	<b>147445.81</b>
<b>Total National Imports</b>	-	<b>3001028.71</b>	-	<b>3594674.22</b>	-	<b>3360954.45</b>
<b>% Share of Agricultural Import in National Imports</b>	-	<b>5.07</b>	-	<b>3.81</b>	-	<b>4.39</b>

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

(P) - Provisional

**Table 13.3: India's Exports of Principal Agricultural Commodities**

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

Commodity	2017-18		2018-19		2019-20 (P)	
	Quantity	Value	Quantity	Value	Quantity	Value
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Tea	272.89	5396.65	270.31	5828.34	254.80	5851.11
Coffee	317.83	6245.36	282.84	5721.98	257.03	5236.76
Rice -Basmati	4056.85	26870.67	4414.61	32804.30	4454.77	31026.33
Rice(other than Basmati)	8818.53	23437.23	7648.00	21171.17	5056.28	14400.32
Wheat	322.79	624.37	226.63	424.47	219.69	444.20
Other cereals	864.24	1604.28	1257.24	2426.07	501.12	1454.71
Pulses	179.60	1469.63	287.13	1801.51	232.08	1511.80
Tobacco unmanufactured	185.36	3828.13	189.55	3984.53	181.84	3761.37
Tobacco manufactured	-	2193.58	-	2874.07	-	2648.02
Spices	1096.32	20084.91	1133.89	23217.77	1193.44	25642.04
Cashew	90.06	5945.28	78.22	4579.17	84.37	4018.35
Cashew nut shell liquid	8.33	32.63	5.30	26.91	4.61	23.09
Sesame seeds	336.85	2990.93	312.00	3761.62	282.26	3723.31
Niger seeds	9.22	69.86	13.37	95.50	13.83	106.01
Groundnut	504.04	3386.30	489.19	3297.32	664.44	5096.39
Other oil seeds	295.10	1126.32	213.84	926.75	89.64	437.42
Vegetable oils	37.06	566.04	49.96	744.58	85.24	1208.65
Oil meals	3570.78	7043.15	4493.29	10557.48	2655.79	5861.35
Guargam meal	494.13	4169.56	513.22	4707.05	381.88	3261.60
Castor oil	697.09	6730.00	619.38	6170.12	593.91	6323.84
Shellac	6.53	285.18	7.00	304.79	7.17	411.94
Sugar	1757.93	5225.60	3989.66	9523.14	5798.53	13981.56
Mollases	123.97	97.45	845.96	586.80	593.62	517.51
Fruits / vegetable seeds	14.47	670.91	17.53	866.31	19.22	771.66
Fresh fruits	714.00	4913.28	823.09	5538.15	834.84	5496.38
Fresh vegetables	2448.02	5297.72	3192.49	5679.10	1930.51	4617.34
Processed vegetables	212.20	1823.36	228.97	2055.41	223.31	2212.03
Processed fruits and juices	573.28	4169.13	594.49	4481.25	568.88	4590.96
Cereal preparations	353.35	3561.69	347.81	3859.46	342.65	3885.30
Cocoa products	29.58	1144.35	27.61	1350.86	27.43	1274.69
Milled products	270.40	876.62	307.42	1063.03	286.45	1074.62
Misc processed items	-	3548.95	-	4613.38	-	4586.80
Animal casings	12.42	327.44	14.88	480.66	12.82	398.50
Buffalo meat	1350.25	26035.19	1233.38	25091.43	1152.32	22661.12
Sheep/goat meat	22.80	843.61	21.67	867.53	14.37	654.05
Other meat	0.45	7.00	0.85	13.73	1.05	16.57
Processed meat	0.27	9.89	0.41	13.92	0.44	15.25
Dairy products	102.26	1954.63	180.69	3375.73	111.17	1983.84
Poultry products	-	552.09	-	687.22	-	574.65
Floriculture products	20.70	507.32	19.69	571.43	16.95	541.61
Alcoholic beverages	-	2105.78	-	2103.97	-	1649.31
Marine products	1432.46	47646.41	1672.39	47664.94	1329.03	47618.10
Ayush and herbal products	89.10	2940.06	108.05	3127.26	92.24	3033.04
Jute, raw	27.20	95.43	25.65	107.74	21.66	103.48
Jute hessian	-	909.94	-	795.77	-	729.54
Cotton raw incld. Waste	1101.47	12200.05	1143.07	14627.55	657.81	7539.53
<b>Total Agricultural Exports</b>	-	<b>251563.94</b>	-	<b>274571.28</b>	-	<b>252976.06</b>
<b>Total National Exports</b>	-	<b>1956514.53</b>	-	<b>2307726.19</b>	-	<b>2219854.17</b>
<b>% Share of Agricultural Exports in National Exports</b>	-	<b>12.86</b>	-	<b>11.90</b>	-	<b>11.40</b>

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

( P ) - Provisional

**Table 13.4: Leading Exporters and Importers of Agricultural Products, 2019**

Country/Group	(Billion Dollars and Percentage)								
	Value	Share in world exports/imports				Annual percentage change			
	2019	2000	2005	2010	2019	2010-19	2017	2018	2019
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
<b>Exporters</b>									
European Union (28)	639	38.9	41.9	37.4	35.9	3	8	6	-2
extra-EU (28) exports	224	12.6	13.0	11.9	12.6	4	8	6	2
United States of America	165	13.0	9.8	10.5	9.3	2	3	1	-4
Brazil	89	2.8	4.1	5.1	5.0	3	14	6	-5
China	82	3.0	3.4	3.8	4.6	5	4	6	-1
Canada	65	6.3	4.9	3.8	3.7	2	6	4	-6
Thailand	43	2.2	2.1	2.6	2.4	2	18	2	-3
Indonesia	42	1.4	1.7	2.7	2.4	2	26	-7	-8
Argentina	40	2.2	2.3	2.6	2.2	1	-4	-3	15
<b>India</b>	<b>37</b>	<b>1.1</b>	<b>1.2</b>	<b>1.7</b>	<b>2.1</b>	<b>6</b>	<b>17</b>	<b>0</b>	<b>-4</b>
Mexico	36	1.7	1.5	1.4	2.0	8	12	6	3
<b>Above 10</b>	<b>1239</b>	<b>72.5</b>	<b>72.8</b>	<b>71.6</b>	<b>69.6</b>	-	-	-	-
<b>Importers</b>									
European Union (28)	595	36.3	39.2	35.7	33.3	2	9	6	-4
extra-EU (28) imports	180	13.0	12.5	11.1	10.1	2	7	6	-4
China	199	3.3	5.0	7.8	11.2	7	17	8	2
United States of America	181	11.6	10.7	8.4	10.1	5	7	6	1
Japan	83	10.5	7.3	5.6	4.6	1	7	5	0
United Kingdom	71	5.8	5.9	4.6	4.0	1	4	6	-3
Canada <sup>b</sup>	41	2.6	2.4	2.3	2.3	3	4	3	1
Korea, Republic of	37	2.2	1.9	1.9	2.1	4	8	10	-3
Russian Federation <sup>b</sup>	31	1.3	1.9	2.6	1.7	-2	16	3	0
Mexico <sup>b</sup>	28	1.9	1.8	1.7	1.6	2	6	5	-8
Hong Kong, China	28	-	-	-	-	3	2	4	-7
retained imports <sup>a</sup>	19	1.1	0.8	1.0	1.1	4	-1	4	1
<b>Above 10</b>	<b>1284</b>	<b>76.5</b>	<b>76.9</b>	<b>71.4</b>	<b>72.0</b>	-	-	-	-

Source: World Trade Statistical Review 2020, World Trade Organisation

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

14.  
INTERNATIONAL  
COMPARISONS

**Table 14.1: India's Position in World Agriculture, 2018**

Item	India	World	% Share	India's Rank	Next to
(1)	(2)	(3)	(4)	(5)	(6)
<b>1. Area (Million Hectares)</b>					
Total Area	328.73	13487.49	2.44	Seventh	Russian Federation, Canada, U.S.A., China, Brazil, Australia
Land Area	297.32	13028.12	2.28	Seventh	Russian Federation, China, U.S.A., Canada, Brazil, Australia
Arable Land	156.46	1394.98	11.22	Second	U.S.A.
<b>2. Population (Million)</b>					
Total	1352.64	7631.09	17.73	Second	China
Rural	893.27	3413.00	26.17	First	
<b>3. Crop Production (Million Tonnes)</b>					
<b>(A) : Total Cereals</b>					
Wheat	318.32	2962.87	10.74	Third	China, U.S.A
Rice (Paddy)	99.70	734.05	13.58	Second	China
(B): Pulses	172.58	782.00	22.07	Second	China
(C): Oilseeds	25.5	92.32	27.63	First	
Groundnut (with shell)	9.25	50.89	18.18	Second	China
Rapeseed	8.43	75.00	11.24	Third	Canada, China
<b>(D): Commercial Crops</b>					
Sugarcane	376.90	1907.02	19.76	Second	Brazil
Tea	1.34	6.34	21.22	Second	China
Coffee (green)	0.33	10.30	3.17	Eighth	Brazil, Vietnam, Indonesia, Colombia, Honduras, Ethiopia, Peru
Jute	1.95	3.63	53.72	First	
Tobacco Unmanufactured	0.75	6.09	12.30	Third	China, Brazil
<b>4. Fruits &amp; Vegetables Production (Million Tonnes)</b>					
(A): Vegetables Primary	128.24	1088.84	11.78	Second	China
(B): Fruits Primary	98.72	867.77	11.38	Second	China
(C): Potatoes	48.53	368.17	13.18	Second	China
(D): Onion (Dry)	22.07	96.77	22.81	Second	China
<b>5. Livestock (Million Heads)</b>					
(A): Cattle	184.46	1489.74	12.38	Second	Brazil
(B): Buffaloes	114.15	206.60	55.25	First	
(C): Camels	0.31	35.53	0.88	Seventeenth	Chad, Somalia, Sudan, Kenya, Niger, Mauritania, Ethiopia, Mali, Pakistan, Saudi Arabia, Yemen, Mongolia, U.A.E, Algeria, Eritrea, China
(D): Sheep	61.67	1209.47	5.10	Third	China, Australia
(E): Goats	132.75	1045.92	12.69	Second	China
(F): Chicken	801.09	23707.13	3.38	Sixth	China, Indonesia, U.S.A, Brazil, Iran
<b>6. Dairy Products (Million Tonnes)</b>					
(A): Milk Total	187.96	843.04	22.30	First	
(B): Eggs (Primary) Total	5.24	82.93	6.31	Third	China, U.S.A
(C): Meat, Total	7.45	342.40	2.18	Sixth	China, U.S.A, Brazil, Russian Federation, Germany

Source: FAOSTAT (as on 23.12.2020)

**Table 14.2: Area, Production and Yield of Principal Crops in various Countries, 2018**

	Area - '000 Hectares	Production - '000 Tonnes	Yield - Kg./Hectare	
Country	Area	Production	Yield	Production (%)
(1)	(2)	(3)	(4)	(5)
<b>1. Paddy</b>				
<b>World</b>	<b>167133</b>	<b>782000</b>	<b>4679</b>	<b>100.00</b>
China, mainland	30461	212129	6964	27.13
<b>India</b>	<b>44500</b>	<b>172580</b>	<b>3878</b>	<b>22.07</b>
Indonesia	15995	83037	5191	10.62
Bangladesh	11910	56417	4737	7.21
Viet Nam	7571	44046	5818	5.63
Thailand	10407	32192	3093	4.12
Myanmar	6706	25418	3791	3.25
Philippines	4800	19066	3972	2.44
Brazil	1861	11749	6312	1.50
Pakistan	2810	10803	3844	1.38
<b>2. Wheat</b>				
<b>World</b>	<b>214292</b>	<b>734045</b>	<b>3425</b>	<b>100.00</b>
China, mainland	24269	131441	5416	17.91
<b>India</b>	<b>29580</b>	<b>99700</b>	<b>3371</b>	<b>13.58</b>
Russian Federation	26472	72136	2725	9.83
United States of America	16028	51287	3200	6.99
France	5232	35798	6843	4.88
Canada	9881	31769	3215	4.33
Pakistan	8797	25076	2850	3.42
Ukraine	6620	24653	3724	3.36
Australia	10919	20941	1918	2.85
Germany	3036	20264	6674	2.76
<b>3. Maize</b>				
<b>World</b>	<b>193734</b>	<b>1147622</b>	<b>5924</b>	<b>100.00</b>
United States of America	33079	392451	11864	34.20
China, mainland	42159	257174	6100	22.41
Brazil	16121	82288	5104	7.17
Argentina	7139	43462	6088	3.79
Ukraine	4564	35801	7844	3.12
Indonesia	5680	30254	5326	2.64
<b>India</b>	<b>9200</b>	<b>27820</b>	<b>3024</b>	<b>2.42</b>
Mexico	7123	27170	3815	2.37
Romania	2443	18664	7641	1.63
Canada	1431	13885	9705	1.21
<b>4. Pulses</b>				
<b>World</b>	<b>94748</b>	<b>92320</b>	<b>974</b>	<b>100.00</b>
<b>India</b>	<b>34508</b>	<b>25504</b>	<b>739</b>	<b>27.63</b>
Myanmar	4180	6681	1599	7.24
Canada	3244	6325	1950	6.85
China, mainland	2746	5013	1825	5.43
Nigeria	4361	3569	818	3.87
Russian Federation	2636	3436	1304	3.72
Ethiopia	1817	3304	1818	3.58
Brazil	2875	2931	1019	3.17
United States of America	1438	2816	1958	3.05
Niger	6040	2460	407	2.66

contd..

**Table 14.2: Area, Production and Yield of Principal Crops in various Countries, 2018**

	Area - '000 Hectares	Production - '000 Tonnes	Yield - Kg./Hectare	
Country	Area	Production	Yield	Production (%)
(1)	(2)	(3)	(4)	(5)
<b>5. Sugarcane</b>				
<b>World</b>	<b>26270</b>	<b>1907025</b>	<b>72594</b>	<b>100.00</b>
Brazil	10042	746828	74369	39.16
<b>India</b>	<b>4730</b>	<b>376900</b>	<b>79683</b>	<b>19.76</b>
China, mainland	1415	108097	76395	5.67
Thailand	1372	104361	76055	5.47
Pakistan	1102	67174	60959	3.52
Mexico	786	56842	72326	2.98
Colombia	409	36277	88758	1.90
Guatemala	300	35568	118464	1.87
Australia	443	33507	75643	1.76
United States of America	364	31336	86065	1.64
<b>6. Groundnut (with shell)</b>				
<b>World</b>	<b>29703</b>	<b>50890</b>	<b>1713</b>	<b>100.00</b>
China, mainland	4620	17332	3752	34.06
<b>India</b>	<b>4888</b>	<b>9253</b>	<b>1893</b>	<b>18.18</b>
Nigeria	3770	4600	1220	9.04
Sudan	3065	2884	941	5.67
United States of America	556	2493	4485	4.90
Myanmar	1057	1562	1477	3.07
Senegal	1134	1501	1323	2.95
Argentina	444	921	2075	1.81
Chad	787	894	1136	1.76
Guinea	786	770	980	1.51
<b>7. Tobacco Unmanufactured</b>				
<b>World</b>	<b>3369</b>	<b>6095</b>	<b>1809</b>	<b>100.00</b>
China, mainland	1004	2241	2233	36.77
Brazil	356	762	2138	12.51
<b>India</b>	<b>418</b>	<b>750</b>	<b>1795</b>	<b>12.30</b>
United States of America	118	242	2051	3.97
Indonesia	203	181	892	2.97
Zimbabwe	101	132	1311	2.17
Zambia	66	116	1766	1.90
United Republic of Tanzania	163	107	657	1.76
Pakistan	46	107	2304	1.75
Argentina	55	104	1902	1.71

Source: FAOSTAT (as on 23.12.2020).

**Table 14.3: Major Macro Economic Indicators of India, G-20 and World, 2019**

Country/Group	Area (Sq. Km.) <sup>^</sup>	Population (Million)	GDP, PPP (Constant 2017 International \$)- in Billion <sup>#</sup>	GDP per capita, PPP (Constant 2017 International \$) <sup>#</sup>	Agriculture, Forestry, and Fishing- Value Added (% of GDP)	Employment in Agriculture (% of Total Employment)*	Inflation, Consumer Prices (Annual %)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Argentina	2780400	45	991.52	22063.90	6.09	0.06	NA
Australia	7741220	25	1264.51	49854.09	2.12	2.56	1.61
Brazil	8515770	211	3092.22	14651.62	4.44	9.08	3.73
Canada	9879750	38	1843.05	49031.38	NA	1.51	1.95
China	9600013	1398	22526.50	16116.66	7.11	25.33	2.90
France	549087	67	3097.06	46183.52	1.60	2.53	1.11
Germany	357580	83	4482.45	53919.14	0.72	1.21	1.45
<b>India</b>	<b>3287259</b>	<b>1366</b>	<b>9155.08</b>	<b>6700.06</b>	<b>16.02</b>	<b>42.60</b>	<b>3.72</b>
Indonesia	1916862	271	3196.68	11812.20	12.72	28.50	NA
Italy	302070	60	2562.14	42491.64	1.91	3.89	0.61
Japan	377974	126	5231.07	41429.29	NA	3.38	0.48
Mexico	1964375	128	2525.48	19795.97	3.39	12.48	3.64
Russian Federation	17098250	144	3968.18	27043.94	3.45	5.83	4.47
Saudi Arabia	2149690	34	1609.32	46962.15	2.23	2.41	-2.09
South Africa	1219090	59	730.91	12481.81	1.88	5.28	4.12
Republic of Korea	120540	52	2211.32	42764.53	1.62	5.14	0.38
Turkey	785350	83	2371.37	28423.65	6.42	18.11	15.18
United Kingdom	243610	67	3118.40	46658.55	0.61	1.05	1.74
United States of America	9831510	328	20524.95	62530.39	NA	1.36	1.81
European Union	4172839	448	19885.63	44435.96	1.62	4.37	1.63
<b>World</b>	<b>134542704</b>	<b>7674</b>	<b>129789.46</b>	<b>16913.91</b>	NA	<b>26.86</b>	<b>2.30</b>

Source: World Development Indicators, World Bank

#Figures in the previous years' volumes of Pocket Book of Agricultural Statistics were for base year 2011 and therefore are not comparable to constant 2017 GDP

\* Modeled ILO Estimates

<sup>^</sup>Figures pertain to 2018



**Table 14.4: Major Economic, Social and Land Use Indicators of BRICS Countries, 2018**

Indicator	Brazil	Russia	India	China	South Africa
(1)	(2)	(3)	(4)	(5)	(6)
<b>Macro-Economic Indicators</b>					
Total Population (Million)	209.47	144.48	1352.62	1392.73	57.78
Urban Population (% of Total)	86.57	74.43	34.03	59.15	66.36
Share in World Merchandise Exports (%)	1.22	2.27	1.66	12.72	0.48
GDP in PPP (US \$ Billion)- current international \$	3131.95	4223.36	9001.76	21746.51	747.58
GDP (US \$ Billion)	1885.48	1669.58	2713.17	13894.82	368.29
Per Capita GDP (US \$)	9001.23	11370.81	2005.86	9976.68	6374.03
<b>Land Use Indicators</b>					
Land Area (Million ha)	835.81	1637.69	297.32	938.82	121.31
Arable Land Area (Million Ha)	55.76	121.65	156.41	118.90	12.00
Land Area Equipped for Irrigation (Million Ha)	69.55	4.30	70.40	73.75	1.60
Land Area Equipped for Irrigation (% of arable land)	1.25	0.04	0.45	0.62	0.13
Area Harvested for Cereals (Million Ha)	21.48	41.97	98.09	99.55	3.01
Production of Cereals (Million Tonnes)	103.26	109.83	321.56	611.03	14.96
<b>Major Health Indicators</b>					
Health expenditure per capita (current US\$)	848.39	609.01	72.83	501.06	525.96
Health expenditure, public (% of GDP)	3.91	3.16	0.96	3.02	4.46
Health expenditure, total (% of GDP)	9.51	5.32	3.54	5.35	8.25
Life expectancy at birth, total (years)	75.67	72.66	69.42	76.70	63.86
Mortality rate, infant (per 1,000 live births)	12.80	5.40	29.70	7.30	27.80
<b>Labor and Social Protection Indicators</b>					
Age dependency ratio, young (% of working-age population)	43.38	48.34	49.78	40.45	52.43
Birth rate, crude (per 1,000 people)	13.92	11.50	17.86	10.90	20.51
Population growth (annual %)	0.78	-0.01	1.04	0.46	1.36
Labor participation rate, total (% of total population ages 15+)*	64.05	62.25	49.42	68.50	56.00
Unemployment, total (% of total labor force)*	12.33	4.85	5.33	4.28	26.92

Source:

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

\*Modeled ILO Estimates

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

Indicator	India			China		
	2017	2018	2019	2017	2018	2019
(1)	(2)	(3)	(4)	(5)	(6)	(7)
GDP Growth (annual %)	7.17	6.12	4.18	6.76	6.75	6.11
Population growth (annual %)	1.06	1.04	1.02	0.56	0.46	0.36
Arable land (% of land area)	52.62	52.60	NA	12.68	12.70	NA
Agricultural area ('000 Hectare)	179674.00	179674.00	NA	527733.00	527733.00	NA
Agricultural area (% of land area)	60.45	60.40	NA	56.08	56.10	NA
Land area equipped for irrigation (% of total agricultural land)	39.18	39.18	NA	13.89	13.98	NA
Agriculture, value added (% of GDP)	15.62	14.60	NA	7.88	7.50	NA
Total Agricultural Emissions (CO2 equivalent) in gigagrams	639090.91	647814.76	NA	648750.83	637718.34	NA
Fertilizer consumption (kilograms per hectare of arable land)	156.90	175.00	NA	344.60	393.20	NA
Inflation, Consumer Prices (annual %)	2.49	4.86	7.66	1.59	2.07	2.90
<b>Area Harvested (Million Hectares)</b>						
Wheat	30.78	29.65	29.32	24.47	24.27	23.73
Rice (Paddy)	43.77	44.15	43.78	43.77	44.16	43.78
Maize	9.63	9.38	9.02	42.40	42.13	41.28
Soybean	11.18	10.33	11.13	8.24	8.41	8.42
<b>Production (Million Tonnes)</b>						
Wheat	98.51	99.70	103.60	134.33	131.44	133.60
Rice (Paddy)	168.50	172.58	177.65	212.68	212.13	211.41
Maize	28.75	27.82	27.72	259.07	257.17	260.96
Soybean	10.93	13.79	13.27	13.13	14.19	15.73

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

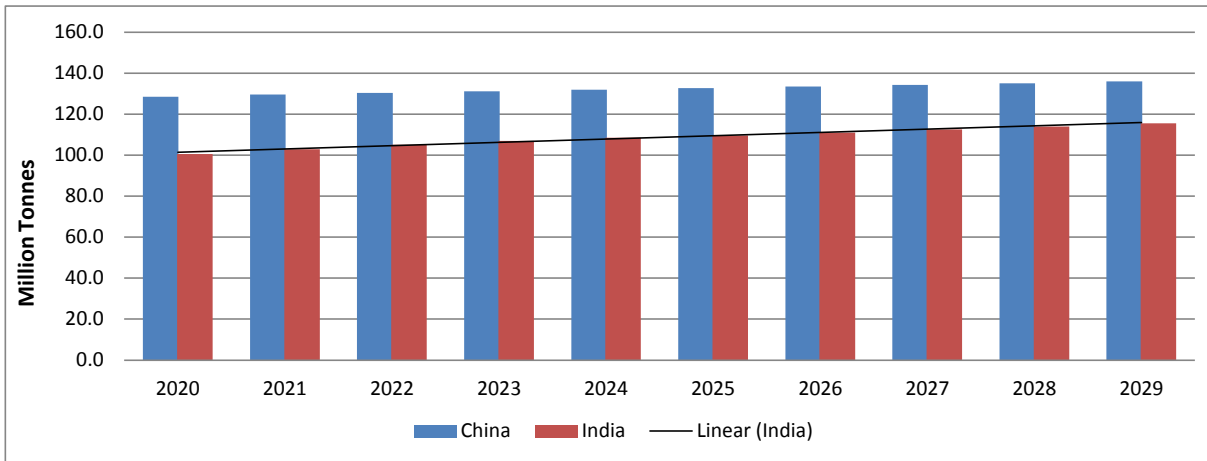
NA: Not Available

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

Country/Group	2011	2012	2013	2014	2015	2016	2017	2018	2019
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Australia	3.3	1.8	2.4	2.5	1.5	1.3	1.9	1.9	1.6
Brazil	6.6	5.4	6.2	6.3	9.0	8.7	3.4	3.7	3.7
Canada	2.9	1.5	0.9	1.9	1.1	1.4	1.6	2.3	1.9
China	5.6	2.6	2.6	1.9	1.4	2.0	1.6	2.1	2.9
Euro area	3.3	2.5	1.4	0.2	0.0	0.2	1.4	1.7	1.4
Germany	2.1	2.0	1.5	0.9	0.2	0.5	1.5	1.7	1.4
European Union	3.3	2.7	1.4	0.2	-0.1	0.2	1.5	1.7	1.6
Italy	2.8	3.0	1.2	0.2	0.0	-0.1	1.2	1.1	0.6
<b>India</b>	<b>8.9</b>	<b>9.3</b>	<b>10.9</b>	<b>6.4</b>	<b>4.9</b>	<b>4.9</b>	<b>2.5</b>	<b>4.9</b>	<b>7.7</b>
Indonesia	5.4	4.3	6.4	6.4	6.4	3.5	3.8	3.2	3.0
Hong Kong SAR, China	5.3	4.1	4.3	4.4	3.0	2.4	1.5	2.4	2.9
Japan	-0.3	-0.1	0.3	2.8	0.8	-0.1	0.5	1.0	0.5
Mexico	3.4	4.1	3.8	4.0	2.7	2.8	6.0	4.9	3.6
OECD members	3.3	2.5	1.4	0.6	0.2	0.4	1.8	1.9	1.7
Russian Federation	8.4	5.1	6.8	7.8	15.5	7.0	3.7	2.9	4.5
Singapore	5.2	4.6	2.4	1.0	-0.5	-0.5	0.6	0.4	0.6
South Asia	9.7	9.4	7.6	6.8	4.2	4.3	4.0	4.1	5.6
South Africa	5.0	5.7	5.8	6.1	4.5	6.6	5.2	4.1	5.6
Switzerland	0.2	-0.7	-0.2	0.0	-1.1	-0.4	0.5	0.9	0.4
United Kingdom	4.5	2.8	2.6	1.5	0.1	1.0	2.6	2.3	1.7
United States	3.2	2.1	1.5	1.6	0.1	1.3	2.1	2.4	1.8
<b>World</b>	<b>4.8</b>	<b>3.7</b>	<b>2.6</b>	<b>2.4</b>	<b>1.4</b>	<b>1.4</b>	<b>2.2</b>	<b>2.5</b>	<b>2.3</b>

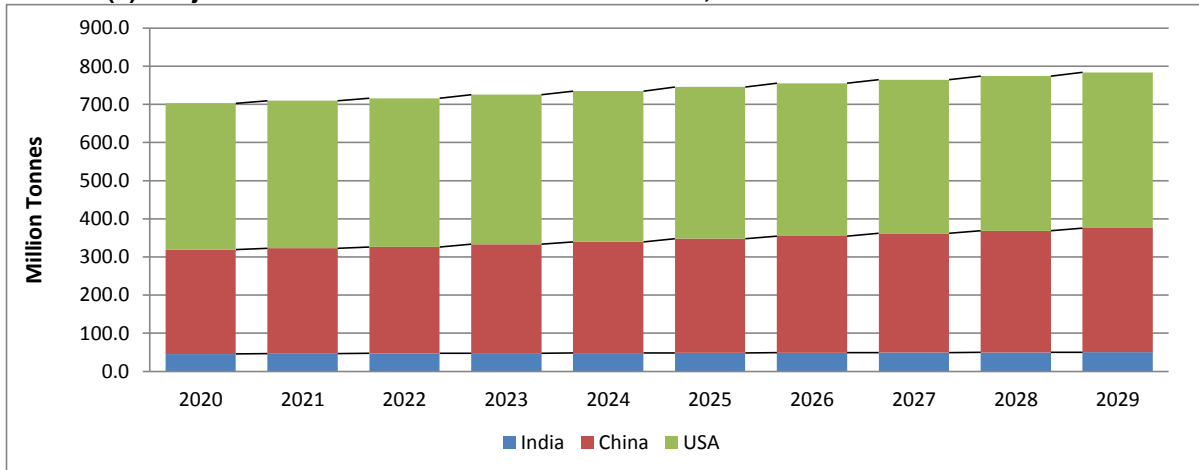
Source: World Development Indicators, World Bank

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



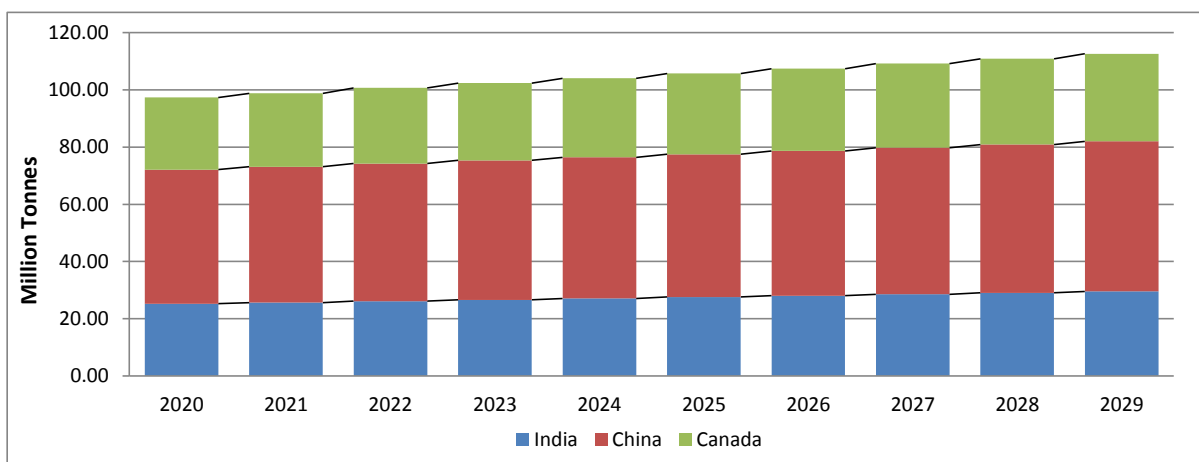
Source: OECD- FAO Agriculture Outlook 2020-29

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



Source: OECD- FAO Agriculture Outlook 2020-29

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



Source: OECD- FAO Agriculture Outlook 2020-29

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

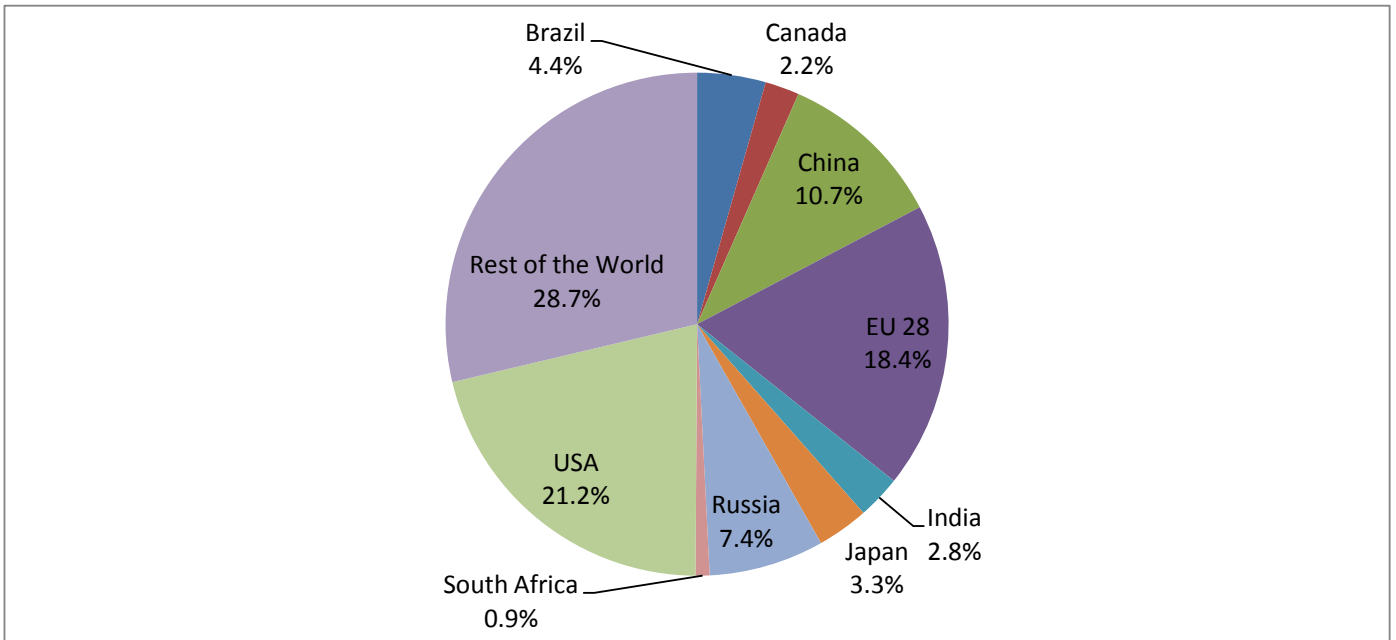
15.  
GLOBAL  
EMISSIONS

**Table 15.1: CO<sub>2</sub> Emissions in Major Countries (metric tonnes per capita)**

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

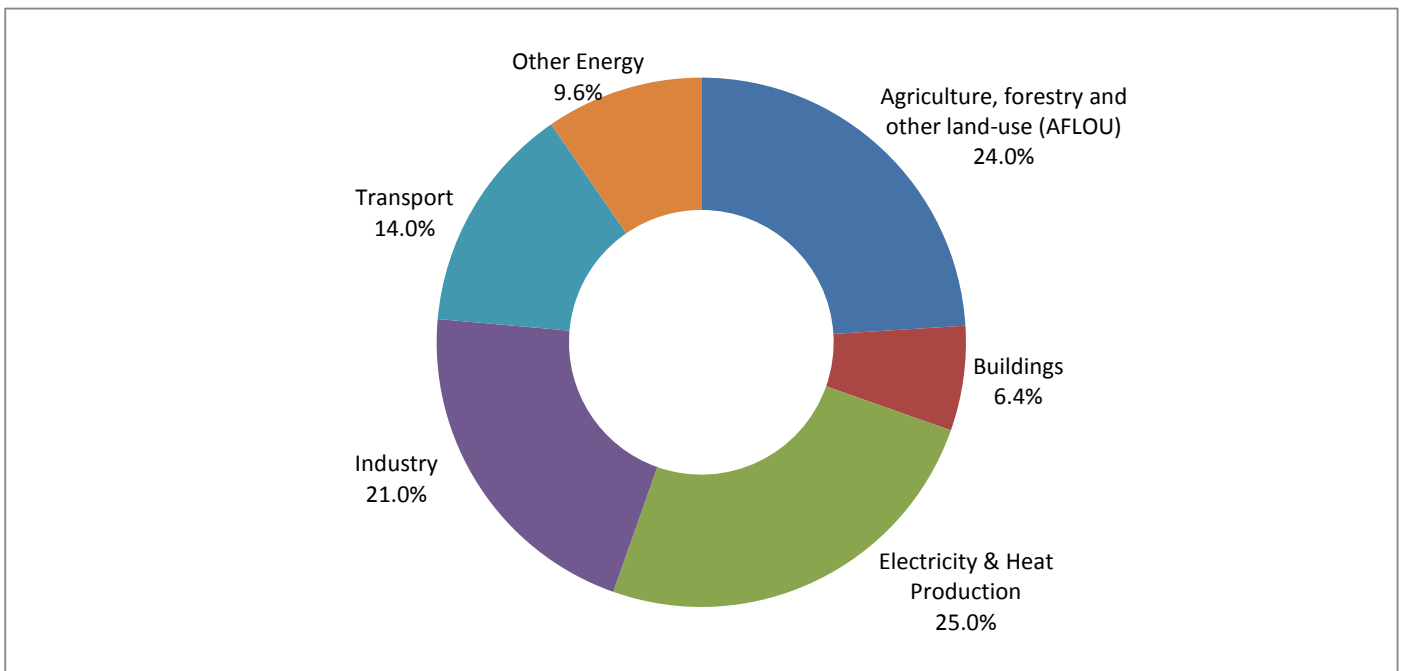
Source: World Development Indicators, World Bank

**Chart 15 (a): Contribution by different Countries to Cumulative Global CO<sub>2</sub> (1850-2011)**



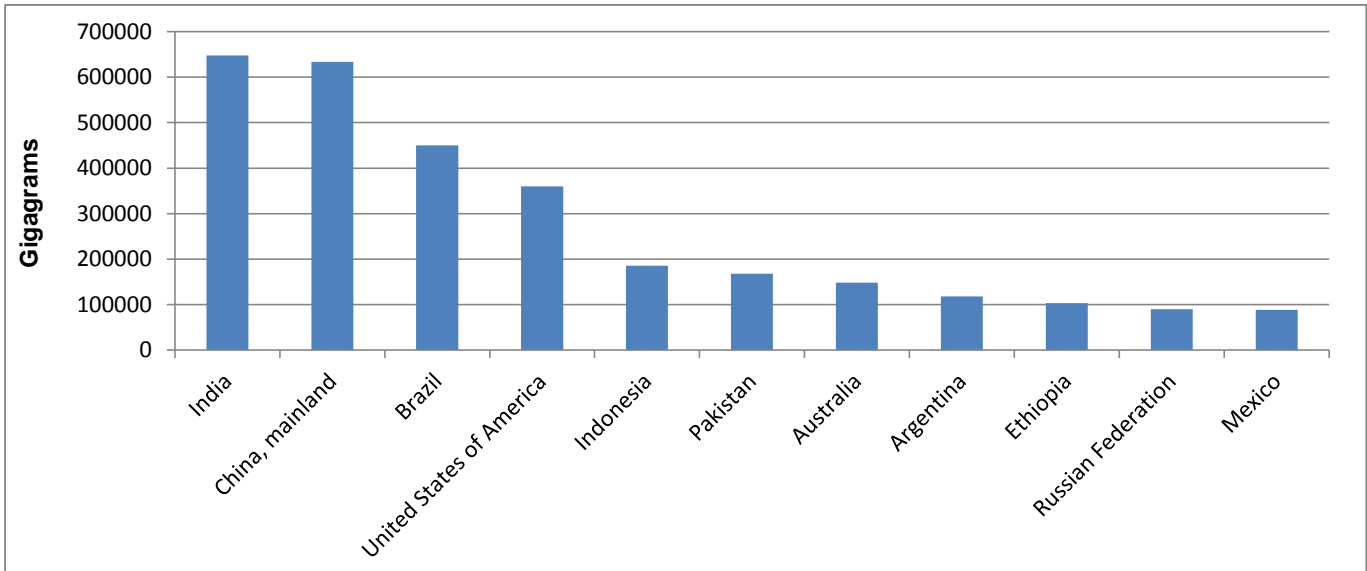
Source: Economic Survey 2014-15, Ministry of Finance

**Chart 15 (b): Global GHG Emissions from Different Sectors in 2010**



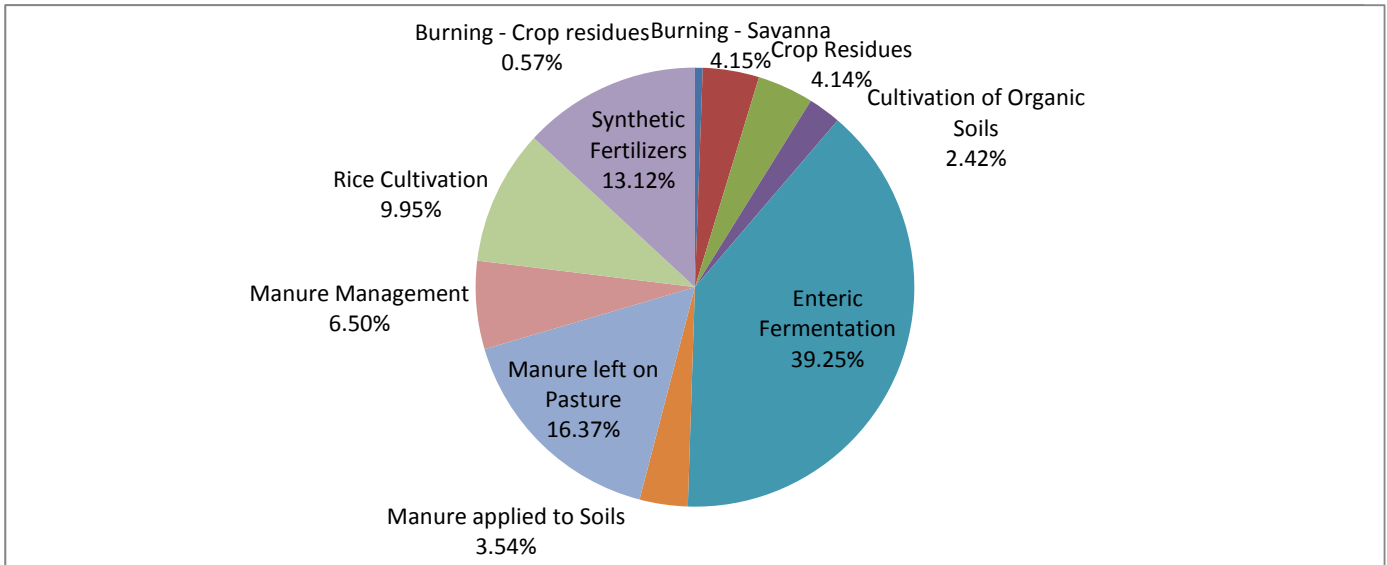
Source: Economic Survey 2014-15, Ministry of Finance

**Chart 15 (c): Total Agricultural Emissions (CO<sub>2</sub> equivalent) in major Countries, 2018**



Source: FAOSTAT (as on 31-03-2021)

**Chart 15 (d): Source-wise total GHG Emissions from Agriculture sector, 2018**



Source: FAOSTAT (as on 31-03-2021)



# APPENDICES

## **A.1: Explanatory Notes**

### **Advance Estimates**

The estimates of area, production and yield rates for 2019-20 used in the publication are “Fourth Advance Estimates” as on 19.08.2020 and are based on data received from State Governments, validated through deliberations held in weekly inter-disciplinary meetings of Crop Weather Watch Group (CWWG), availability of water in major reservoirs in the country, area enumeration based on Remote Sensing Technology, estimates from Econometric Modeling, availability/supply of important inputs, including credit to farmers community, feedback received from states, etc. These estimates are “advance” in the sense that these have been prepared in advance of availability of results of CCE (Crop Cutting Experiments) and are subject to revision as more precise information flows over time from States to the Directorate of Economics & Statistics.

### **Yield**

Yield rate is defined as production per unit of area. However, yield rates of various crops given in this publication may not exactly tally with the ratio of production to the corresponding area because figures of area and production of various crops have been generally rounded off in ten thousands.

### **Principal Crops**

Principal Crops as referred to in this publication include only those crops which are covered for preparation of index numbers.

### **Nine Oilseeds**

Wherever “Nine oilseeds” is mentioned in this publication, it includes castor seed, groundnut, linseed, nigerseed, safflower, sesamum, soybean, sunflower and rapeseed & mustard.

### **Total Oilseeds**

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

### **Net Availability of Foodgrains**

The Net availability of foodgrains is defined as, where

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

NAF = Net availability of Foodgrains

GP = Gross Production of Foodgrains

SFW = Seed, feed and wastages of Foodgrains

e = Exports of Foodgrains

i = Imports of Foodgrains

s = Change in Stocks of Foodgrains

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

## A.2 : Conversion Factors between Important Primary and Secondary Agricultural Commodities

Commodity (1)	Conversion Factor (2)
<b>Rice</b> (Cleaned) Production	2/3 of Paddy Production
<b>Cotton</b>	
Cotton Lint Production	1/3 of Kapas Production
Cotton Seed Production	2/3 of Kapas Production
<b>Jute</b>	
100 Yards of Hessian	54 lbs. of Raw Jute
4148 Yards of Hessian	1 Ton of Raw Jute
1 Ton of Sacking	5.55 Bales of Raw Jute (of 180 Kgs. Each)
	1.11 Tons of Raw Jute
1 Ton of Hessian	6.17 Bales of Raw Jute (of 180 Kgs. Each)
Sacking etc.	1.05 Tons of Raw Jute
	5.85 Bales of Raw Jute (of 180 Kgs. Each)
<b>Groundnut</b>	
Kernel to Nuts in Shell	70 Percent
Oil to Nuts in Shell	28 Percent
Oil to Kernels Crushed	40 Percent
Cake to Kernels Crushed	60 Percent
<b>Sesamum</b>	
Oil to Seeds Crushed	40 Percent
Cake to Seeds Crushed	60 Percent
<b>Rapseed and Mustard</b>	
Oil to Seeds Crushed	33 Percent
Cake to Seeds Crushed	67 Percent
<b>Linseed</b>	
Oil to seeds Crushed	33 Percent
Cake to Seeds Crushed	67 Percent
<b>Castorseed</b>	
Oil to Seeds Crushed	37 Percent
Cake to Seeds Crushed	63 Percent
<b>Cotton Seed</b>	
Oil to Seeds Crushed	14 to 18 Percent
Cake to Seeds Crushed	82 to 86 Percent
<b>Coconut</b>	
Copra to Nuts	One Ton of Copra = 6773 Nuts
Oil to Copra Crushed	62 Percent
Cake to Copra Crushed	38 Percent
<b>Nigerseed</b>	
Oil to Seeds Crushed	28 Percent
Cake to Seeds Crushed	72 Percent

(Contd.)

Commodity (1)	Conversion Factor (2)
<b>Kardi Seed</b>	
Oil to Seeds Crushed	40 Percent
Cake to Seeds Crushed	60 Percent
<b>Mahua Seed</b>	
Oil to Seeds Crushed	36 Percent
Cake to Seeds Crushed	64 Percent
<b>Neem Seed</b>	
Oil to Kernels Crushed	45 to 50 Percent
Cake to Kernels Crushed	50 to 55 Percent
<b>Soybean Seed</b>	
Oil to Soybean Seed Crushed	18 Percent
Meal to Soybean Seed Crushed	73 Percent
Hull from Soybean Seed Crushed	8 Percent
Wastage from Soybean Seed Crushed	1 Percent
<b>Sugar</b>	
Gur from Cane Crushed	11.20 Percent to 11.50 Percent
Crystal Sugar from Gur Refined (Gur Refineries)	62.5 Percent
Crystal Sugar from Cane Crushed (Cane Factories)	10.20 Percent
Khandasari Sugar (Sulphar and Non-Sulphar) from standard Gur Refined	46 Percent
Molasses from Cane Crushed	4.0 Percent to 4.5 Percent
Cane - Trash* from Cane Harvested	8.0 Percent to 12.0 Percent
<b>Lac</b>	
Seed Lac	66.0 Percent of Stick Lac
Shell Lac	57.4 Percent of Stick Lac
<b>Cashewnut</b>	
Cashew Kernel	25 Percent of Cashewnuts

\* This consists of leaves and portion of the top of stalk which are removed from the canestalk, while harvesting and before sending the cane for milling.

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

			(Kg/ ha)
Crop (1)	Variety Seed Rate (2)	Hybrid Seed Rate (3)	
<b>Cereals</b>			
Rice	35-40	12-15 for normal planting 5 under System of Rice Intensification (SRI) planting	
Wheat	100		
Sorghum	Grain Rabi 8-10; Grain Kharif-10	7.5	
Pearl Millet	4-5	42494.00	
Maize	18-20	20	
Ragi	10-12.5	10-12.5	
<b>Pulses</b>			
Pigeon pea	Early duration 17-19 Medium duration 15-17 Long duration 12-15		
Chickpea(Large seeded)	75-100		
Chickpea Desi (small seeded)	65-75		
Chickpea Kabuli	100-120		
Mungbean	Kharif-20, Rabi 25-30, Summer 30-35		
Urdbean	Kharif-20, Rabi 25-30, Summer 30-35		
Fieldpea	80-100		
Lentil	50-60		
Rajmash	75-100		
Mothbean	15-18		
Kulthi	22-30		
<b>Oilseeds</b>			
Groundnut	140-160		
Rapeseed & Mustard	3-5	3.5	
Soybean	65-75		
Sunflower	5	5	
Sesame	5		
Niger	5		
Safflower	7		
Linseed	30 for seed type 45 for dual purpose type		
Castor	5	5	

(Contd..)

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

Source:- Indian Council of Agricultural Research (ICAR)

## **A.4: Rainfall Position in India during 2020**

### **1) Rainfall during 2020 (January – December, 2020)**

In 2020, the rainfall (January to December, 2020) over the country as a whole was 109% of Long Period Average (LPA). Out of 36 meteorological sub-divisions, 12 sub-divisions received large excess/excess rainfall, 21 sub-divisions received normal rainfall and 03 sub-divisions received deficient rainfall. Season-wise rainfall distribution over the country as a whole was as follows:

<b>Winter (January to February 2020):</b>	<b>99% of LPA</b>
<b>Pre-monsoon (March to May 2020):</b>	<b>120% of LPA</b>
<b>Monsoon (June to September 2020):</b>	<b>109% of LPA</b>
<b>Post-Monsoon (October to December 2020):</b>	<b>101% of LPA</b>

### **Season-wise Performance**

#### **Winter Season (January- February 2020)**

During the winter season rainfall activity over the country as a whole was recorded 1% lower than LPA. At met sub-division level out of 36 met sub-divisions, 10 sub-divisions received large excess/excess rainfall, 08 sub-divisions received normal rainfall, 16 received deficient/large deficient rainfall and 02 sub-divisions received no rainfall.

#### **Pre-Monsoon Season (March- May 2020)**

Rainfall activity during the pre-monsoon season over the country as a whole was recorded 20% higher than LPA. Out of 36 meteorological sub-divisions, 17 received large excess/excess rainfall, 11 received normal rainfall, 08 met sub-divisions received deficient/ large deficient rainfall.

#### **Monsoon Season (June-September 2020)**

During the monsoon season for the country as a whole, rainfall was 9% higher than LPA. Rainfall in the four broad geographical divisions of the country during the above period has been higher than LPA by 29% in South Peninsula, by 15% in Central India and by 6% in East & North East India but lower than LPA by 16% in North-West India. Out of 36 meteorological sub-divisions, 15 met subdivisions in the country had received large excess/excess rainfall, 16 met subdivisions received normal rainfall and 5 met subdivisions received deficient rainfall. Out of 685 districts for which rainfall data available, 59(9%) districts received large excess rainfall, 164(24%) districts received excess rainfall, 290(42%) districts received normal rainfall, 155(23%) districts received deficient rainfall and 17(2%) districts received large deficient rainfall.

#### **Post-Monsoon Season (October- December, 2020)**

Rainfall activity during the post-monsoon season (as on 10.12.2020) for the country as a whole was recorded 30% excess of LPA. Out of 36 meteorological sub-divisions, 23 subdivisions received large excess/excess rainfall, 06 subdivisions received normal rainfall, 06 sub-divisions received deficient rainfall and 01 sub-division received large deficient rainfall.

## A.5 : Major Economic Groups/ Institutions

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

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

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





सत्यमेव जयते

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