



POCKET BOOK OF
**AGRICULTURAL
STATISTICS**
2014

**Government of India
Ministry of Agriculture
Department of Agriculture & Cooperation
Directorate of Economics & Statistics
New Delhi**



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Economic & Statistical Adviser



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PREFACE

An abridged version of this Directorate's authoritative, annual publication 'Agricultural Statistics at a Glance' was introduced in 2013 as quick reference guide for essential data frequently used by policy makers and related agencies. This was very well received and has, since then, become a regular feature.

In this edition of the 'Pocket Book of Agriculture Statistics', in addition to the key data from the latest edition of "At a Glance", we have also added other useful data. These relate to "Key Indicators of Situation of Agricultural HouseHolds in India" from NSS 70th round, OECD-FAO Agricultural Outlook (2014-23) and other international aspects.

A copy of this publication has also been uploaded on our website <http://eands.dacnet.nic.in>

Suggestions for improvement are most welcome.

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New Delhi



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Acronyms



AAY	Antyodaya Anna Yojana
AE	Advance Estimate
AGDP	Gross Domestic Product from Agriculture
APL	Above Poverty Line
BE	Budget Estimates
BPL	Below Poverty Line
CACP	Commission for Agricultural Costs and Prices
CBB	Commercial Bank Branch
CCE	Crop Cutting Experiments
CCI	Cotton Corporation of India
CDSBO	Crude Degummed Soyabean Oil
CES	Crop Estimation Surveys
CFA	Central Financial Agency
CIF	Cost, Insurance & Freight
CIP	Central Issue Price
CPI-IW	Consumer Price Index for Industrial Workers
CWWG	Crop Weather Watch Group
DAC	Department of Agriculture & Cooperation
DAP	Di Ammonium Phosphate
DES	Directorate of Economics and Statistics
E	Estimated
EARAS	Establishment of an Agency for Reporting of Agricultural Statistics
FAO	Food and Agriculture Organisation of United Nations
FAQ	Fair Average Quality
F2	Black Soil
F-414/H-777/J-34	Cotton variety (of Medium Staple Length)
H-4/H-6	Cotton variety (of Long Staple Length)
FCI	Food Corporation of India
FDI	Foreign Direct Investment
FFB	Fresh Fruit Bunch
FOD	Field Operations Division of NSSO
FRL	Full Reservoir Level
FYM	Farm Yard Manure
GCA	Gross Cropped Area



GCES	General Crop Estimation Survey
GCF	Gross Capital Formation
GDP	Gross Domestic Product
GNP	Gross National Product
GSDP	Gross State Domestic Product
ha	Hectares
HYV	High Yielding Varieties
I	Irrigated
IAS	Improvement of Agricultural Statistics
ICOR	Incremental Capital Output Ratio
ICS	Improvement of Crop Statistics
K	Potash
kg	Kilograms
KMPH	Kilometers Per Hour
kWh	Kilo Watt Hour
LS	Light Soil
LPCPD	Litres Per Capita Per Day
MSCCGMF	Maharashtra State Co-operative Cotton Growers Marketing Federation
MIS	Market Intervention Scheme
MSP	Minimum Support Price
MSR	Marketed Surplus Ratio
N	Nitrogen
NA	Not Available/Not Announced
NC	Not Collected
NQ	Not Quoted
NAFED	National Agricultural Co-operative Marketing Federation of India Limited
NCAER	National Council of Applied Economic Research
NDDB	National Dairy Development Board
Neg.	Negligible
NNP	Net National Product
NR	Not Recommended/ Not Reported
NSA	Net Sown Area
NSSO	National Sample Survey Organisation



OECD	Organisation of Economic Cooperation and Development
OPDP	Oil Palm Development Programme
P	Provisional/ Phosphate
PACS	Primary Agricultural Credit Society
PDS	Public Distribution System
PLDB	Primary Land Development Bank
PSE	Producers Support Estimate
PSEs	Public Sector Enterprises
PSS	Price Support Scheme
QE	Quick Estimate
R	Revised
R&D	Research & Development
R&M	Rapeseed & Mustard
RMC	Regional Ministers Conference
RE	Revised Estimates
RRBB	Regional Rural Bank Branch
SCB	State Cooperative Bank
SDP	State Domestic Product
SASA	State Agricultural Statistical Authority
SLDB	State Land Development Bank
SRS	Sample Registration Scheme
SSP	Single Super Phosphate
T	Target
T E	Triennium Ending
TD-5	A Variety of Jute
TPDS	Targeted Public Distribution System
TRQ	Tariff Rate Quota
TRRM	Tropical Rains Measuring Mission
TT	Tentative Targets
UI	Un-irrigated
UT	Union Territory
WPI	Wholesale Price Index
WTO	World Trade Organization
Y	Yield (Index Number of Yield) per hectare



1

Socio-Economic Indicators



Table 1.1 Selected Economic and Social Indicators

Economic Indicators	1950-51	1990-91	2000-01	2010-11	2011-12	2012-13	2013-14
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
ECONOMIC INDICATORS							
GDP at factor cost: (at current prices in ₹ crore)	10036	531814	2000743	7248860 ^{3R}	8391691 ^{2R}	9388876 ^{1R}	10472807 ^r
GDP at factor cost: (at constant prices in ₹ crore)	279618	1347889	2348481	4918533 ^{3R}	5247530 ^{2R}	5482111 ^{1R}	5741791 ^f
Per capita Net National Income at factor cost at constant prices in ₹	7114	14330	20362	36202 ^{3R}	38048 ^{2R}	38856 ^{1R}	39904 ^f
Gross Domestic Capital Formation as percentage of GDP (at current market prices)	9.3	26.0	24.4	36.5 ^{3R}	35.5 ^{2R}	34.8 ^{1R}	na
Gross domestic savings as percentage of GDP (at current market prices)	9.5	22.9	23.8	33.7 ^{3R}	31.3 ^{2R}	30.1 ^{1R}	na
Index of agricultural production [base: Triennium ending 1981-82] for the data given till 2000-01 and base i.e. ending 2007-08 from 2009-10 onwards	46.2	148.4	165.7	121.0	125.2	124.2	128.92 ^r
Index of industrial production (Base: 2004-05=100) ^a	7.9	91.6	162.6	165.5	170.3	172.2	172.1
Wholesale Price Index average ^c	6.8	73.7	155.7	143.3	156.1	167.6	177.6 ^f
Consumer Price Index for Industrial workers ^d	17	193.0	444.0	180.0	195.0	215.0	236.0

Contd...



Economic Indicators	1950-51	1990-91	2000-01	2010-11	2011-12	2012-13	2013-14
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
OUTPUT							
(a) Foodgrains [million tonnes]	50.8	176.4	196.8	244.5	259.3	257.1	264.77 ^e
(b) Coal and lignite ^a [million tonnes]	32.3	225.5	332.6	570.4	582.3	602.9	609.8
(c) Crude oil [million tonnes]	0.3	33.0	32.4	37.7	38.1	37.9 ^f	37.8 ^f
(d) Electricity generated [utilities only] [billion kWh]	5.0	264.0	500	845.0	923.0	907.0	962.0
Plan outlay (₹ crore)	2601	58369	185737	826268	936292	1109692 (RE)	1370936 (BE)
FOREIGN TRADE							
(i) Exports (₹ Crore)	606	32553	203571	1142922	1465959	1634319	1894182
(US \$ million)	1269	18143	44076	251136	304624	300401	312610
(ii) Imports (₹ Crore)	608	43198	230873	1683467	2345463	2669162	2714182
(US \$ million)	1273	24075	49975	369769	489181	490737	450068
Foreign exchange reserves ^h [excluding gold, SDRs and Reverse Tranche Position at IMF]; (₹ Crore)	911	4388	184482	1224883	1330511	1412631	1660914
(US \$ million)	1914	2236	39554	274330	260069	259726	276359
SOCIAL INDICATORS							
Population (Million) ⁱ	361.0	846.4	1028.7	1186.0	1202.0	1217.0	1233.0
Birth Rate (per 1000) ^j	39.9	29.5	25.4	21.8	21.6 ^b	na	na
Death Rate (per 1000) ^j	27.4	9.8	8.4	7.1	7.0 ^b	na	na
Life Expectancy at Birth (in Years) ^k	32.1	58.7	62.5	66.1 ^b	na	na	na
(a) Male	32.5	58.6	61.6	64.6 ^b	na	na	na
(b) Female	31.7	59.0	63.3	67.6 ^b	na	na	na

Contd...





Economic Indicators	1950-51	1990-91	2000-01	2010-11	2011-12	2012-13	2013-14
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Education: Literacy Rate (%) ¹	18.3	52.2	64.8	74.04	na	na	na
(a) Male	27.2	64.1	75.3	82.14	na	na	na
(b) Female	8.9	39.3	53.7	65.46	na	na	na

1R: 1st Revised Estimates, 2R: 2nd Revised Estimates, 3R: 3rd Revised, BE: Budget Estimate, RE: Revised Estimate

na : Not available.

- a The Index of Industrial Production has been revised since 2005-06 on base (2004-05=100). The figures for the year 2009-10 onwards are based on current series (2004-05=100) and earlier data are based on old base years.
- b Abridged Life Table 2006-10, Registrar General of India
- c The figures from 2009-10 are based on current series 2004-05=100 and earlier data are based on old base years.
- d The figures from 2009-10 are based on current series 2001=100 and earlier data are based on old base years.
- e 4th Advance Estimates.
- f Provisional.
- g Coal output includes Meghalaya Coal from 2005-06 onwards.
- h As on end-March.
- i Relate to mid-financial year (as on October 1) based on population figures of C.S.O.
- j For calendar year. Figure shown against 1990-91 is for calendar year 1991 and so on. Source : Office of R.G.I.
- k Data for 1950-51, 1960-61, 1970-71 and 1980-81 relate to the decades 1941-50, 1951-60, 1961-70 and 1971-80 respectively, centered at midpoints of the decade, i.e., 1946, 1956, 1966 and 1976. The estimates for 1990-91 and 1991-92 refer to the periods 1988-92 and 1989-93 respectively. The estimates for 2005-06 refers to the period 2001-05. The estimates for 2006-07 refers to the period 2002-06.
- l Data for 1950-51, 1960-61, 1970-71, 1980-81, 1990-91 and 2000-01 are as per Census of India 1951, 1961, 1971, 1981, 1991 and 2001. The figures for 1951 1961 and 1971 relate to population aged 5 years and above and those for 1981, 1991 and 2001 to population aged 7 years and above. All India literacy rates exclude Assam for 1981 and J&K for 1991. For 2005-06, data is based on National Family Health Survey (2005-06) (+ 6 years).

2R: 2nd advance estimate.

Source: Economic Survey 2013-14 and CSO.

Table 1.2

Gross Domestic Product by Economic Activity at Constant (2004-05) prices

(₹ Crore)

Industry	2004-05	2010-11	2011-12\$	2012-13 *	2013-14 **
(1)	(2)	(3)	(4)	(5)	(6)
1. Agriculture, forestry & fishing	565426	717814	753832	764510	800548
Industry	829783	1373339	1480657	1494921	1500225
2. Mining & quarrying	85028	110617	110725	108328	106838
3. Manufacturing	453225	795152	854098	863876	857705
4. Elect. gas & water supply	62675	92862	100646	102922	109018
5. Construction	228855	374708	415188	419795	426664
Services	1576255	2827380	3013041	3222680	3441017
6. Trade, hotels & restaurant	477303	836352	846630	884308	892958
7. Transport, storage & communication	250417	507672	555631	589045	624868
8. Financing, insurance, real estate & business services	437174	849189	945534	1048748	1183714
9. Community, social & personal services	411361	634167	665246	700579	739477
10. Gross Domestic Product at factor cost (1 to 9)	2971464	4918533	5247530	5482111	5741790
11. Total Net Domestic Product at factor cost	2651573	4348233	4619695	4794228	4988116
12. Net Factor Income from Abroad	-22375	-54647	-46367	-65452	-67933
13. NNP at Factor Cost	2629198	4293586	4573328	4728776	4920183
14. Per Capita NNP (in ₹)	24143	36202	38048	38856	39904

* First Revised Estimate.

\$ Second Revised Estimate.

** Provisional.

Source: Central Statistics Office.



Table 1.3**Gross Domestic Product by Economic Activity at Current Prices****(₹ Crore)**

Industry	2004-05	2010-11	2011-12\$	2012-13*	2013-14**
(1)	(2)	(3)	(4)	(5)	(6)
1. Agriculture, forestry & fishing	565426	1319686	1499098	1644926	1906348
Industry	829783	1968450	2284366	2460445	2594171
2. Mining & quarrying	85028	204866	222716	222416	222652
3. Manufacturing	453225	1072489	1236182	1320907	1350039
4. Elect. gas & water supply	62675	119560	135670	157132	203049
5. Construction	228855	571535	689798	759990	818432
Services	1576255	3960723	4608227	5283505	5972288
6. Trade, hotels & restaurant	477303	1250472	1457565	1615865	1728836
7. Transport, storage & communication	250417	529158	614707	708830	781072
8. Financing, insurance, real estate & business services	437174	1165243	1381524	1617076	1939482
9. Community, social & personal services	411361	1015850	1154431	1341734	1522898
10. Gross Domestic Product at factor cost (1 to 9)	2971464	7248860	8391691	9388876	10472807
11. Total Net Domestic Product at factor cost	2651573	6488641	7511795	8372744	9299345
12. Net Factor Income from Abroad	-22375	-81807	-76830	-116766	-128300
13. NNP at Factor Cost	2629198	6406834	7434965	8255978	9171045
14. Per Capita NNP (in ₹)	24143	54021	61855	67839	74380

* First Revised Estimate, \$ Second Revised Estimate, ** Provisional.

Source: Central Statistics Office.

Table 1.4 Percentage Share of major economic activities in Gross Domestic Product (GDP) at constant (2004-05) Prices

Industry	1950-51	1990-91	2000-01	2004-05	2010-11 [^]	2011-12 ^{\$}	2012-13 [*]	2013-14 ^{**}
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
I. Agriculture, forestry & fishing	51.9	29.5	28.5	19.0	14.6	14.4	13.9	13.9
Agriculture	41.8	24.9	24.0	16.0	12.4	12.3	11.8	NA
Forestry & logging	14.3	3.9	3.8	2.1	1.4	1.4	1.3	NA
Fishing	1.0	1.1	1.1	0.9	0.7	0.7	0.8	NA
II. Industry	16.2	27.6	27.3	27.9	27.9	28.2	27.3	26.1
Mining & quarrying	1.8	3.5	3.0	2.9	2.2	2.1	2.0	1.9
Manufacturing	9.0	15.1	15.5	15.3	16.2	16.3	15.8	14.9
Elect. gas & water supply	0.3	2.0	2.2	2.1	1.9	1.9	1.9	1.9
Construction	5.1	7.1	6.6	7.7	7.6	7.9	7.7	7.4
III. Services	31.9	42.5	43.9	53.0	57.5	57.4	58.8	59.9
Gross Domestic Product at factor cost	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

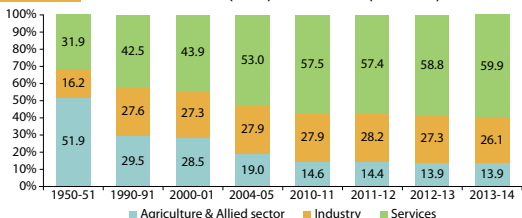
NA: Not Available

* First Revised Estimate, \$ Second Revised Estimate, ^ Third Revised Estimates

** Provisional Estimates.

Source: Central Statistics Office.

Chart 1(a) Percentage Share of major economic activities in Gross Domestic Product (GDP) at constant (2004-05) Prices



Source: Central Statistics Office.



Table 1.5

Percentage Growth of Gross Domestic Product (GDP) at constant (2004-05) Prices

Industry	1951-52	1990-91	2000-01	2004-05	2010-11 [^]	2011-12 ^{\$}	2012-13 [*]	2013-14 ^{**}
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
I. Agriculture, forestry & fishing	1.5	4.0	0.0	0.2	8.6	5.0	1.4	4.7
Agriculture	1.6	4.3	-0.6	0.1	9.5	5.3	0.9	NA
Forestry & logging	-0.2	-1.3	2.7	2.1	2.4	1.9	2.9	NA
Fishing	6.2	4.8	4.7	-2.0	5.8	5.7	7.1	NA
II. Industry	5.5	7.3	6.0	9.8	7.6	7.8	1.0	0.4
Mining & quarrying	12.3	10.5	2.3	7.9	6.5	0.1	-2.2	-1.4
Manufacturing	3.2	4.8	7.3	7.4	8.9	7.4	1.1	-0.7
Elect. gas & water supply	11.6	6.7	2.2	7.9	5.3	8.4	2.3	5.9
Construction	6.8	11.8	6.1	16.3	5.7	10.8	1.1	1.6
III. Services	2.7	5.2	5.1	8.3	9.7	6.6	7.0	6.8
Gross Domestic Product at factor cost	2.3	5.3	4.1	7.1	8.9	6.7	4.5	4.7

NA: Not Available.

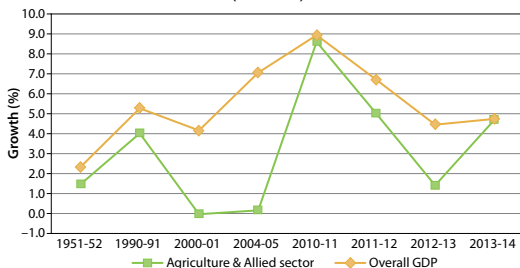
* First Revised Estimate, \$ Second Revised Estimate, ^ Third Revised Estimates.

** Provisional Estimates.

Source: Central Statistics Office.

Chart 1(b)

Growth of Agriculture and allied sector GDP and Overall GDP at constant (2004-05) Prices



Source: Central Statistics Office.



2

Outlays, Expenditure & Capital Formation





Table 2.1 Year-wise Expenditure by Departments under Ministry of Agriculture

(₹ Crore)

Year	DAC			DARE			DAHD&F		
	Budget Estimate	Revised Estimate	Actual Expenditure	Budget Estimate	Revised Estimate	Actual Expenditure	Budget Estimate	Revised Estimate	Actual Expenditure
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1991-92	1041.35	1016.93	957.86	190.00	180.51	173.07	-	-	-
2001-02	1985.00	1985.00	1792.92	684.00	550.00	683.69	300.00	240.00	239.68
2004-05	2650.00	-	2657.42	1000.00	900.00	881.81	500.00	-	566.22
2009-10	11307.07	10965.23	10870.15	1833.37	1821.32	1821.26	1100.00	930.00	873.38
2010-11	15042.00	17254.00	17052.59	2307.50	2307.50	2529.29	1300.00	1257.00	1104.68
2011-12	17122.87	16515.05	16354.70	2808.54	2858.54	2831.46	1600.00	1356.52	1243.11
2012-13	20208.00	17867.32	17765.24	3232.00	2520.00	2519.09	1910.00	1800.00	1736.88
2013-14	21609.00	19000.00	18721.69	3415.00	2600.00	2599.97	2025.00	1800.00	1748.80
2014-15	22309.00	19500.00	12539.88*	3715.00	2500.00	1697.50*	2174.00	1800.00	1289.24**

* Expenditure till Nov. 2014.

** Expenditure till 10.12.2014.

DAC: D/o Agriculture & Cooperation, DARE: D/o Agricultural Research and Education.

DAHD&F: D/o Animal Husbandry, Dairying & Fisheries.

Source: Ministry of Agriculture.

Table 2.2 Public Sector Outlays/Expenditure**(₹Crore)**

Sector	2011-12	2012-13		2013-14	2014-15	12th Plan*
	AE(#)	BE	RE(#)	BE(#)	BE(#)	Outlays
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Agriculture and Allied Activities	16194	54748	15971	18781	11531	363273
Rural Development	37599	72248	35583	42772	3061	457464
Special Area Programmes	-	15342	-	-	-	80370
Irrigation & Flood Control	506	72169	428	1200	1797	422012
Energy	121855	208711	148230	158287	166275	1438466
Industry & Minerals	36235	71491	39228	48010	40209	377302
Transport	107532	183015	103023	133488	116202	1204172
Communi-cations	6586	15411	8257	12380	13009	80984
Science, Technology & Environment	11735	24220	12119	17587	18792	167350
General Economic Services	19697	51525	21017	31602	26318	305612
Social Services	145352	419267	166460	206709	79433	2664843
General Services	5305	66040	5860	9307	7906	107959
Total	508596	1254187	556176	680123	484533	7669807

Notes: Totals may not tally due to rounding off of the figures.* 12th Plan Projection.

For Centre only, as figures for States & UTs are not available.

Source: Plan Documents and Budget Documents. For State Outlays, States Plans Division, Planning Commission.

Table 2.3 Outlays/Expenditure under Agriculture and allied Activities

(₹Crore)

Sector	2011-12	2012-13		2013-14	2014-15
	AE(#)	BE	RE(#)	BE	BE
(1)	(2)	(3)	(4)	(5)	(6)
Crop Husbandry	8066	9034	8071	9876	4432
Horticulture	NA	NA	NA	NA	NA
Soil & Water Conservation	15	16	16	19	18
Animal Husbandry	724	1063	849	975	172
Dairy Development	196	353	494	525	411
Fisheries	304	299	273	317	423
Forestry & Wild Life	914	907	755	1041	379
Plantation	595	446	404	458	370
Food Storage & Warehousing	703	787	726	801	727
Agriculture, Research & Edn.	2573	2898	2294	3113	3354
Agricultural Financial Inst.	NA	NA	NA	NA	NA
Cooperation	124	125	93	121	125
Other Agricultural Programmes	1980	1764	1996	1535	1120
Total	16194	17692	15971	18781	11531

Notes: Totals may not tally due to rounding off of the figures.

NA - Not Available, BE - Budget Estimates, RE - Revised Estimates.

For Centre only, as figures for States & UTs are not available.

Source: Plan Documents and Budget Documents. For State Outlays, States Plans Division, Planning Commission.



Table 2.4**Plan-wise share of Public Sector Outlays and Expenditure under Agriculture and allied Activities****(₹Crore)**

Five Year Plan/Annual Plan	Percentage share of Agriculture and Allied Activities to Total	
	Plan Outlays	Actual Expenditure
(1)	(2)	(3)
Ninth Plan (1997-2002)	4.4	4.0
Tenth Plan (2002-07)	3.9	3.8
Eleventh Plan (2007-12)	3.7	4.4
Annual Plan (2007-08)	3.2	5.4
Annual Plan (2008-09)	4.0	5.7
Annual Plan (2009-10)	3.6	4.1
Annual Plan (2010-11)	4.0	4.9
Annual Plan (2011-12)	4.2	3.2
Twelfth Plan (2012-17)*	4.7	NA
Annual Plan (2012-13)	4.4	2.9
Annual Plan (2013-14)#	2.8	NA
Annual Plan (2014-15)	2.4	NA

NA: Not Available

Note: From Annual Plan (2009-10) the Centre Expenditure figures include IEBR.

For Centre only, as figures for States & UTs are not available yet.

* 12th Plan Projections.**Source:** 1st Plan Documents and Budget Documents. For State Outlays, States Plans Division, Planning Commission.



Table 2.5 Comparison of States Outlay and Expenditure for Eleventh and Twelfth Plan

(₹ in crore at current prices)

Name of State	Eleventh Plan Outlay		Eleventh Plan Expenditure		Twelfth Plan Outlay		Increase in Twelfth Plan over Eleventh Plan Expenditure (%)
	Agriculture and Allied Sector	% of Total plan	Agriculture and Allied Sector	% of Total plan	Agriculture and Allied Sector	% of Total plan	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Andhra Pradesh	3487.44	2.4	9510.46	6.0	17138	5	80
Arunachal Pradesh	752	9.5	617.71	5.7	1114	5.3	80
Assam	877.86	2.1	2335.56	7.8	3272	5.9	40
Bihar	3672.73	4.8	4805.33	6.3	15613	6	225
Chhattisgarh	4613	8.6	5637	12.7	8284	6.9	47
Goa	211.76	2.5	325.39	3.6	1046	3.9	221
Gujarat	9092.94	0.7	8879.8	6.9	19712	7.8	122
Haryana	1638.82	4.7	2733.02	5.7	6288	5.4	130
Himachal Pradesh	1470.08	10.7	1642.82	12.1	2174	9.7	32
Jammu & Kashmir	1818.21	7	892.98	3.5	2843	9.7	218
Jharkhand	3130.53	0.8	2319.85	5.9	4157	3.8	79
Karnataka	8426.85	8.3	10484.4	7.7	19824	8.9	89
Kerala	2649.11	7.8	2931.54	7.6	8831	11.5	201
Madhya Pradesh	3408.18	4.8	6057.09	7.3	17076	8.5	182

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Name of State	Eleventh Plan Outlay		Eleventh Plan Expenditure		Twelfth Plan Outlay		Increase in Twelfth Plan over Eleventh Plan Expenditure (%)
	Agriculture and Allied Sector	% of Total plan	Agriculture and Allied Sector	% of Total plan	Agriculture and Allied Sector	% of Total plan	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Maharashtra	9507.64	5.9	10636.4	7.3	19325	7.03	82
Manipur	386.55	4.7	234.04	3.2	643	3.1	175
Meghalaya	735.52	8	845.2	9.8	2114	10.7	150
Mizoram	536.31	9.6	387.86	7.1	346	2.8	
Odisha	1230.29	3.8	3580.37	8.2	8387	7.4	134
Nagaland	434.31	8.3	725.08	11.3	1795	13.8	148
Punjab	1309.13	4.5	1410.77	4	1524	2.9	8
Rajasthan	2919.07	4.1	5990.67	6.2	7255	5.6	21
Sikkim	260.43	6.9	228.27	6.4	469	4.1	106
Tamil Nadu	7831.57	9.2	8170.01	8.8	20680	10	153
Tripura	798.51	9	858.79	11.3	980	6.8	14
Uttar Pradesh	19146.37	10.6	14164.8	7.8	24354	8.5	72
Uttarakhand	2478.5	8.4	2079.25	10	2673	5.9	29
West Bengal	1846.5	2.9	3339.26	5.1	8583	5.5	157
Total States	94670.21	3.6	111823.72	7.2	226500	7.1	103

Source: 12th Plan Document, Planning Commission.



Table 2.6 Expenditure on Agricultural Research and Education

(₹ Crore at 2006-07 prices)

(1)	(2)	Tenth Plan		2007-08	2008-09	2009-10	2010-11	2011-12	Eleventh Plan
		(3)	(4)	(5)	(6)	(7)	(8)	(9)	
State	Plan	4151	694	965	1070	1289	1382	5401	
	Non-Plan	6477	1464	1315	1497	1755	1599	7629	
	Total	10629	2158	2279	2567	3044	2981	13030	
Centre	Plan	4977	1210	1418	1402	1909	1998	7938	
	Non-Plan	4125	852	1040	1235	2168	1512	6808	
	Total	9102	2063	2458	2636	4077	3510	14745	
RKVY	Plan		55	197	63	100	160	576	
Centre and States	Plan	9128	1961	2580	2534	3298	3540	13914	
	Non-Plan	10603	2316	2355	2732	3923	3111	14437	
	Total	19732	4277	4935	5266	7221	6652	28351	
GDP Agriculture and Allied (2006-07 prices)		3340648	764890	765601	773565	827969	850812	3982837	
Research/ Education as % GDP Agriculture		0.59%	0.55%	0.61%	0.67%	0.86%	0.76%	0.70%	

Source: 12th Plan Document, Planning Commission.

Table 2.7 Gross Capital Formation in Agriculture & Allied Sector
(Current and Constant prices)

Year	Share of Agriculture & Allied sector in total GCF(%) (at current prices)			Share of Agriculture & Allied sector in total GCF(%) at constant prices (2004-05)		
	Public Sec.	Pvt. Sec.	Total	Public Sec.	Pvt. Sec.	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)
2004-05	6.7	7.8	7.5	6.7	7.8	7.5
2009-10	5.6	9.2	8.3	5.0	8.6	7.7
2010-11^	4.9	8.2	7.4	4.2	7.5	6.7
2011-12\$	5.3	9.2	8.3	4.6	8.3	7.5
2012-13*	5.5	9.6	8.6	4.7	8.6	7.7

Note: Total GCF is excluding valuables.

* First Revised Estimates, \$ Second Revised Estimates, ^ Third Revised Estimates

Source: Central Statistics Office.

Table 2.8 Share of Public and Private Investment in Agriculture and Allied Sectors in Total GDP at Market Prices (2004-05 prices)

Year	Share (%) in Total		
	Public	Private	Total
(1)	(2)	(3)	(4)
2004-05	0.5	1.8	2.3
2005-06	0.6	1.9	2.4
2006-07	0.6	1.8	2.4
2007-08	0.5	1.9	2.5
2008-09	0.5	2.4	2.9
2009-10	0.5	2.3	2.8
2010-11^	0.4	2.1	2.5
2011-12\$	0.4	2.4	2.8
2012-13*	0.4	2.3	2.7

* First Revised Estimates, \$ Second Revised Estimates, ^ Third Revised Estimates.

Source: Central Statistics Office.



Table 2.9 Share of Gross Capital Formation in GDP of Agriculture & Allied Sectors (current prices)

(Figures in Percentage)

Year	Public	Private	Total
(1)	(2)	(3)	(4)
2004-05	2.9	10.6	13.5
2005-06	3.3	10.9	14.1
2006-07	3.5	10.4	14.0
2007-08	3.3	11.4	14.7
2008-09	2.8	14.2	17.0
2009-10	3.1	14.0	17.0
2010-11 [^]	2.4	12.5	15.0
2011-12 [@]	2.5	14.3	16.8
2012-13 [*]	2.8	14.1	16.9

[^] 3rd revised estimates

[@] 2nd revised estimates

^{*} 1st revised estimates

Source: Central Statistics Office (CSO).

Table 2.10 Share of Gross Capital Formation in GDP of Agriculture & Allied Sectors (at 2004-05 prices)

(Figures in Percentage)

Year	Public	Private	Total
(1)	(2)	(3)	(4)
2004-05	2.9	10.6	13.5
2005-06	3.4	11.2	14.6
2006-07	3.7	11.2	14.9
2007-08	3.6	12.6	16.1
2008-09	3.1	16.3	19.4
2009-10	3.4	16.7	20.1
2010-11 [^]	2.8	15.7	18.5
2011-12 [@]	2.8	18.0	20.8
2012-13 [*]	3.1	18.1	21.2

[^] 3rd Revised Estimates

[@] 2nd Revised Estimates

^{*} 1st Revised Estimates

Source: Central Statistics Office.



3

Labour Force, Poverty & Unemployment



Table 3.1 Population and Agricultural Workers**(In Million)**

Year	Total Population	Average Annual Exponential Growth Rate (%)	Rural Population	Agricultural Workers		
				Cultivators	Agricultural Labourers	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1951	361.1	1.25	298.6	69.9	27.3	97.2
			(82.7)	(71.9)	(28.1)	
1961	439.2	1.96	360.3	99.6	31.5	131.1
			(82.0)	(76.0)	(24.0)	
1971	548.2	2.20	439.0	78.2	47.5	125.7
			(80.1)	(62.2)	(37.8)	
1981	683.3	2.22	525.6	92.5	55.5	148.0
				(62.5)	(37.5)	
1991	846.4	2.16	630.6	110.7	74.6	185.3
			(74.5)	(59.7)	(40.3)	
2001	1028.7	1.97	742.6	127.3	106.8	234.1
			(72.2)	(54.4)	(45.6)	
2011	1210.6	1.50	833.5	118.7	144.3	263.0
			(68.8)	(45.1)	(54.9)	

Notes:

1. For 2011, figures includes the estimated population of Mao Maram, Paomata and Purul sub-divisions of Senapati district of Manipur.
2. 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.
3. 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 columns 5-7 exclude J&K.
4. 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.
5. Figures within parentheses in column 4 are percentages to the total population.
6. Figures within parentheses in columns 5 and 6 are percentages to column 7.

Source: Registrar General of India.

Table 3.2 Population & Labour Force Projections**(Percent per Annum)**

Year	2011	2012	2013	2014	2015	2016	2017
(1)	(2)	(3)	(4)	(5)	(5)	(6)	(7)
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	54.6	53.7	52.9	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 (Volume III, Chapter 22: Employment & Skill Development)
Planning Commission.

Table 3.3 (a) Population Below Poverty Line (Tendulkar Methodology)**(Figs. in Percentage)**

States/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

Contd...

States/UTs	2009-10			2011-12		
	Rural	Urban	Total	Rural	Urban	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Madhya Pradesh	42.00	22.90	36.70	35.74	21.00	31.65
Maharashtra	29.50	18.30	24.50	24.22	9.12	17.35
Manipur	47.40	46.40	47.10	38.80	32.59	36.89
Meghalaya	15.30	24.10	17.10	12.53	9.26	11.87
Mizoram	31.10	11.50	21.10	35.43	6.36	20.40
Nagaland	19.30	25.00	20.90	19.93	16.48	18.88
Odisha	39.20	25.90	37.00	35.69	17.29	32.59
Punjab	14.60	18.10	15.90	7.66	9.24	8.26
Rajasthan	26.40	19.90	24.80	16.05	10.69	14.71
Sikkim	15.50	5.00	13.10	9.85	3.66	8.19
Tamil Nadu	21.20	12.80	17.10	15.83	6.54	11.28
Tripura	19.80	10.00	17.40	16.53	7.42	14.05
Uttar Pradesh	39.40	31.70	37.70	30.40	26.06	29.43
Uttarakhand	14.90	25.20	18.00	11.62	10.48	11.26
West Bengal	28.80	22.00	26.70	22.52	14.66	19.98
A&N Islands	0.40	0.30	0.40	1.57	0.00	1.00
Chandigarh	10.30	9.20	9.20	1.64	22.31	21.81
Dadra & Nagar Haveli	55.90	17.70	39.10	62.59	15.38	39.31
Damn & Diu	34.20	33.00	33.30	0.00	12.62	9.86
Lakshadweep	22.20	1.70	6.80	0.00	3.44	2.77
Puducherry	0.20	1.60	1.20	17.06	6.30	9.69
All-India	33.80	20.90	29.80	25.70	13.70	21.92

Notes:

1. Number of persons below poverty line in 2009-10 are estimated based on Population as on 1st March 2010 (interpolated between 2001 and 2011 population Census).
2. Number of persons below poverty line in 2011-12 are estimated based on Population as on 1st March 2012 (2011 Census population extrapolated).
3. Poverty line of Tamil Nadu is used for Andaman and Nicobar Island.
4. Urban Poverty Line of Punjab is used for both rural and urban areas of Chandigarh.
5. Poverty Line of Maharashtra is used for Dadra & Nagar Haveli.
6. Poverty Line of Goa is used for Daman & Diu.
7. Poverty Line of Kerala is used for Lakshadweep.

Source: Perspective Planning Division, Planning Commission.



Table 3.3(b) Population Below Poverty Line (Rangarajan Methodology)**(Figs. in Percentage)**

States/UTs	2009-10			2011-12		
	Rural	Urban	Total	Rural	Urban	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Andhra Pradesh	27.00	30.50	28.10	12.70	15.60	13.70
Arunachal Pradesh	31.30	34.10	31.90	39.30	30.90	37.40
Assam	42.90	40.20	42.50	42.00	34.20	40.90
Bihar	65.10	55.00	63.90	40.10	50.80	41.30
Chhattisgarh	58.90	36.50	53.80	49.20	43.70	47.90
Delhi	4.90	24.70	24.10	11.90	15.70	15.60
Goa	7.20	13.10	10.80	1.40	9.10	6.30
Gujarat	37.00	35.60	36.40	31.40	22.20	27.40
Haryana	19.20	24.80	21.10	11.00	15.30	12.50
Himachal Pradesh	11.20	22.50	12.30	11.10	8.80	10.90
Jammu & Kashmir	14.40	32.40	19.20	12.60	21.60	15.10
Jharkhand	55.30	42.10	52.10	45.90	31.30	42.40
Karnataka	24.30	26.70	25.20	19.80	25.10	21.90
Kerala	9.70	23.70	16.00	7.30	15.30	11.30
Madhya Pradesh	51.30	45.00	49.60	45.20	42.10	44.30
Maharashtra	27.60	30.30	28.80	22.50	17.00	20.00
Manipur	44.40	76.70	54.10	34.90	73.40	46.70
Meghalaya	25.80	36.80	28.00	26.30	16.70	24.40
Mizoram	29.90	24.80	27.30	33.70	21.50	27.40
Nagaland	11.10	37.20	18.30	6.10	32.10	14.00
Odisha	50.00	41.20	48.50	47.80	36.30	45.90
Punjab	14.80	28.60	20.00	7.40	17.60	11.30
Rajasthan	31.90	38.50	33.50	21.40	22.50	21.70
Sikkim	25.00	16.70	23.10	20.00	11.70	17.80
Tamil Nadu	25.90	29.70	27.70	24.30	20.30	22.40
Tripura	16.20	31.70	20.10	22.50	31.30	24.90
Uttar Pradesh	46.30	49.60	47.00	38.10	45.70	39.80
Uttarakhand	22.50	36.40	26.70	12.60	29.50	17.80

Contd...



States/UTs	2009-10			2011-12		
	Rural	Urban	Total	Rural	Urban	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)
West Bengal	37.80	36.60	37.40	30.10	29.00	29.70
A&N Islands	4.00	5.30	4.40	6.60	4.90	6.00
Chandigarh	10.30	12.30	12.30	6.60	21.50	21.30
Dadra & Nagar Haveli	65.40	37.30	53.00	55.20	15.30	35.60
Damn & Diu	24.60	55.80	47.10	0.00	17.60	13.70
Lakshadweep	4.20	10.80	9.20	0.60	7.90	6.50
Puducherry	3.20	4.60	4.20	5.90	8.60	7.70
All-India	39.60	35.10	38.20	30.90	26.40	29.50

Notes:

1. Number of persons below poverty line in 2009-10 are estimated based on Population as on 1st March 2010 (interpolated between 2001 and 2011 population Census).
2. Number of persons below poverty line in 2011-12 are estimated based on Population as on 1st March 2012 (2011 Census population extrapolated).
3. Poverty line of Tamil Nadu is used for Andaman and Nicobar Island.
4. Urban Poverty Line of Punjab is used for both rural and urban areas of Chandigarh.
5. Poverty Line of Maharashtra is used for Dadra & Nagar Haveli.
6. Poverty Line of Goa is used for Daman & Diu.
7. Poverty Line of Kerala is used for Lakshadweep.

Source: Perspective Planning Division, Planning Commission.

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

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

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



4

Agricultural Land-use Statistics



Table 4.1 Agricultural Land by use in India

S.No.	Classification	1950-51	1990-91	2000-01	2009-10(P)	2010-11(P)	2011-12(P)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
I.	Geographical Area	328.73	328.73	328.73	328.73	328.73	328.73
II.	Reporting Area for Land Utilisation Statistics (1 to 5)	284.32	304.86	305.19	305.83	305.90	305.81
	1. Forest	40.48	67.81	69.84	69.99	70.01	70.02
	2. Not Available for Cultivation (A+B)	47.52	40.48	41.23	43.34	43.58	43.52
	(A) Area Under Non-agricultural Uses	9.36	21.09	23.75	26.16	26.39	26.29
	(B) Barren & Un-culturable Land	38.16	19.39	17.48	17.18	17.18	17.23
	3. Other Uncultivated land excluding Fallow Land (A+B+C)	49.45	30.22	27.74	26.50	26.16	26.10
	(A) Permanent Pasture & other Grazing Land	6.68	11.40	10.66	10.34	10.30	10.30
	(B) Land under Miscellaneous Tree Crops & Groves not included in Net Area Sown	19.83	3.82	3.44	3.21	3.21	3.16
	(C) Culturable Waste Land	22.94	15.00	13.63	12.95	12.65	12.64
	4. Fallow Lands (A+B)	28.12	23.37	25.04	26.85	24.60	25.38

Contd...



S.No.	Classification	1950-51	1990-91	2000-01	2009-10(P)	2010-11(P)	2011-12(P)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
	(A) Fallow Lands other than Current Fallows	17.45	9.66	10.27	10.84	10.32	10.67
	(B) Current Fallows	10.68	13.70	14.78	16.01	14.28	14.72
	5. Net Area Sown (6-7)	118.75	143.00	141.34	139.17	141.56	140.80
	6. Total Cropped Area (Gross Cropped Area)	131.89	185.74	185.34	188.99	197.32	195.25
	7. Area Sown more than once	13.15	42.74	44.00	49.82	55.76	54.44
	8. Cropping Intensity*	111.07	129.89	131.13	135.80	139.39	138.67
	Net Irrigated Area	20.85	48.02	55.20	61.94	63.60	65.26
	Gross Irrigated Area	22.56	63.20	76.19	85.08	88.63	91.53

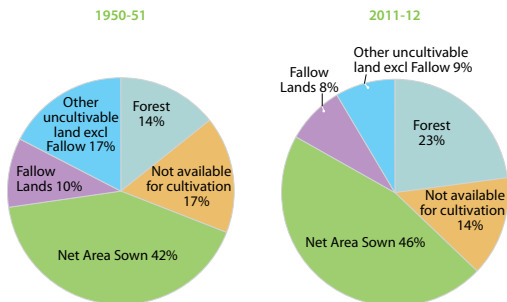
* Cropping Intensity is percentage of the gross cropped area to the net area sown.

(P) Provisional.

Source: Directorate of Economics & Statistics, Ministry of Agriculture.

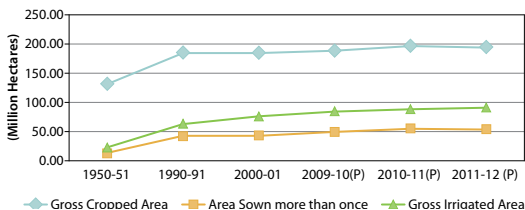


Chart 4 (a) Agriculture Land by Use in India



Source: Directorate of Economics & Statistics, Ministry of Agriculture.

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



Source: Directorate of Economics & Statistics, Ministry of Agriculture.



Table 4.2 Percentage Distribution of Gross Cropped Area

Crop	Percentage Share of Area to Gross Cropped Area	
	2010-11*	2011-12*
(1)	(2)	(3)
Rice	21.88	22.33
Jowar	3.73	3.17
Bajra	4.91	4.51
Maize	4.25	4.41
Ragi	0.64	0.60
Wheat	15.12	15.41
Barley	0.36	0.33
Other Cereals & Millets	0.43	0.44
Coarse Cereals	14.31	13.46
Total Cereals	51.32	51.20
Gram	4.44	3.97
Tur	2.12	1.93
Other Pulses	6.27	6.09
Total Pulses	12.83	11.98
Total Food-grains	64.15	63.19
Sugarcane	2.67	2.79
Condiments & Spices	1.67	1.86
Total Fruits	2.01	2.03
Potatoes	0.81	0.84
Onions	0.30	0.32
Total Vegetables	2.76	2.79
Groundnut	2.93	2.66
Sesamum	1.09	0.99
Rapeseed & Mustard	2.82	2.83
Linseed	0.15	0.13
Other Oil Seeds	7.68	7.82
Total Oil Seeds	14.68	14.43
Cotton	5.54	6.23
Jute	0.39	0.41
Mesta	0.04	0.04
Total Fibers	6.01	6.73
Tobacco	0.22	0.20
Other Crops	5.84	5.98
Gross Cropped Area	100.00	100.00

* Provisional

Source: Directorate of Economics & Statistics, Department of Agriculture & Cooperation.



Table 4.3 Changes in Share of Area under Major Crops

Year	(Figs. in Percentage)									
	Rice	Wheat	Coarse Cereals	Pulses	Food grains	Oilseeds	Sugarcane	Cotton	Others	All Crops
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
2007-08	23.31	14.88	15.12	12.54	65.84	14.17	2.68	5.00	12.31	100.00
2008-09	24.17	14.73	14.57	11.72	65.18	14.62	2.34	4.99	12.86	100.00
2009-10	22.58	15.33	14.91	12.54	65.37	13.99	2.25	5.46	12.94	100.00
2010-11	21.84	14.81	14.44	13.45	64.56	13.87	2.49	5.73	13.35	100.00
2011-12	22.46	15.24	13.49	12.49	63.67	13.43	2.57	6.22	14.11	100.00
2012-13	22.12	15.53	12.81	12.03	62.50	13.70	2.59	6.20	15.02	100.00
2013-14*	22.15	15.43	12.78	12.50	62.85	14.26	2.54	5.85	14.50	100.00

*4th advance estimates.

Note: (1) Data for Foodgrain, Oilseed and Commercial Crops are as per second Advance Estimates for 2013-14.

(2) Data for Horticulture crops are as per First Advance Estimates for 2013-14 released by Horticulture Division, DAC.

Source: Directorate of Economics & Statistics, Department of Agriculture & Cooperation.

Chart 4 (c) Changes in share of Area under Major Crops

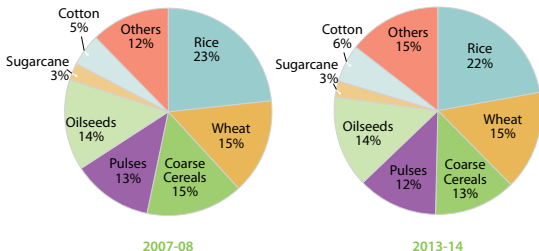


Table 4.4 Average Size of Operational Holdings by Size Group

Category of Holdings	Average Size of Holdings		
	2000-01*	2005-06*	2010-11(P)
(1)	(2)	(3)	(4)
Marginal (Less than 1 ha)	0.40	0.38	0.39
Small (1.0 to 2.0 ha)	1.42	1.38	1.42
Semi-Medium (2.0 to 4.0 ha)	2.72	2.68	2.71
Medium (4.0 to 10.0 ha)	5.81	5.74	5.76
Large (10.0 ha and above)	17.12	17.08	17.38
All Holdings	1.33	1.23	1.15

* Excluding Jharkhand.

Source: Department of Agriculture and Cooperation (Agriculture Census 2010-11, (P): Provisional).



Table 4.5 Performance of South West Monsoon (1 June - 30 September)

Year	Number of Meteorological Sub-Divisions @		Percentage of Districts with Normal/Excess Rainfall	Actual Rainfall as % of Normal Rainfall (All India)
	Excess/Normal Rainfall	Deficient/Scanty Rainfall		
(1)	(2)	(3)	(4)	(5)
1990	32	3	88	119
1991	27	8	68	91
2001	30	5	68	92
2010	31	5	69	102
2011	33	3	76	101
2012	23	13	58	92
2013	30	6	72	106
2014	24	12	55	88

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

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

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

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

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

Source: Directorate of Economics and Statistics, Department of Agriculture and Cooperation.



5

Area, Production and Yield of Principal Crops





Table 5.1 Production of Major Agricultural Crops

S.No. (1)	Crops (2)	1950-51	1960-61	1970-71	1980-81	1990-91	2000-01	2010-11	2011-12	2012-13	2013-14*
		(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
1	Foodgrains	50.82	82.02	108.42	129.59	176.39	196.81	244.49	259.29	257.13	264.77
	Rice	20.58	34.58	42.22	53.63	74.29	84.98	95.98	105.30	105.24	106.54
	Wheat	6.46	11.00	23.83	36.31	55.14	69.68	86.87	94.88	93.51	95.91
	Maize	1.73	4.08	7.49	6.96	8.96	12.04	21.73	21.76	22.26	24.35
	Coarse Cereals	15.38	23.74	30.55	29.02	32.70	31.08	43.40	42.01	40.04	43.05
2	Pulses	8.41	12.70	11.82	10.63	14.26	11.08	18.24	17.09	18.34	19.27
	Gram	3.65	6.25	5.20	4.33	5.36	3.86	8.22	7.70	8.83	9.88
	Tur (Arhar)	1.72	2.07	1.88	1.96	2.41	2.25	2.86	2.65	3.02	3.29
	Lentil	-	-	0.37	0.47	0.85	0.92	0.94	1.06	1.13	-
	(Masur)	-	-	-	-	-	-	-	-	-	-
3	Oilseeds	5.16	6.98	9.63	9.37	18.61	18.44	32.48	29.80	30.94	32.88
	Groundnut	3.48	4.81	6.11	5.01	7.51	6.41	8.26	6.96	4.70	9.67
	Rapeseed & Mustard	0.76	1.35	1.98	2.30	5.23	4.19	8.18	6.60	8.03	7.96
	Soyabean	-	-	0.01	0.44	2.60	5.28	12.74	12.21	14.67	11.99
	Sunflower	-	-	0.08	0.07	0.87	0.65	0.65	0.52	0.54	0.55
4	Cotton #	3.04	5.60	4.76	7.01	9.84	9.52	33.00	35.20	34.22	36.59
5	Jute & Mesta @	3.31	5.26	6.19	8.16	9.23	10.56	10.62	11.40	10.93	11.58
6	Sugarcane	57.05	110.00	126.37	154.25	241.05	295.96	342.38	361.04	341.20	350.02
7	Tobacco	0.26	0.31	0.36	0.48	0.56	0.34	0.88	0.75	0.66	-

* 4th Advance Estimates

Million bales of 170 kg each

@ Million bales of 180 kg each

Source: Directorate of Economics and Statistics, Department of Agriculture and Cooperation.

Table 5.2**Three Largest Producing States of Important Crops during 2013-14****Production: Million Tonnes**

Group of Crops	Crops	States	Production	% Share in All India Production
(1)	(2)	(3)	(4)	(5)
I. Foodgrains	Rice	West Bengal	15.31	14.37
		Uttar Pradesh	14.63	13.73
		Andhra Pradesh	13.03	12.23
		All - India	106.54	100.00
	Wheat	Uttar Pradesh	30.25	31.54
		Punjab	17.04	17.77
		Madhya Pradesh	13.93	14.52
		All - India	95.91	100.00
	Maize	Andhra Pradesh	4.97	20.41
		Karnataka	3.98	16.34
		Maharashtra	3.08	12.65
		All - India	24.35	100.00
	Total Coarse Cereals	Karnataka	6.75	15.68
		Rajasthan	6.60	15.33
		Maharashtra	6.25	14.52
		All - India	43.05	100.00
	Total Pulses	Madhya Pradesh	5.09	26.41
		Maharashtra	3.12	16.19
		Rajasthan	2.47	12.82
		All - India	19.27	100.00
	Total Foodgrains	Uttar Pradesh	50.05	18.90
		Punjab	28.90	10.92
		Madhya Pradesh	24.24	9.16
		All - India	264.77	100.00
II .Oilseeds	Groundnut	Gujarat	4.92	50.88
		Andhra Pradesh	1.23	12.72
		Tamil Nadu	0.96	9.93
		All - India	9.67	100.00

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Group of Crops	Crops	States	Production	% Share in All India Production
(1)	(2)	(3)	(4)	(5)
	Rapeseed & Mustard	Rajasthan	3.83	48.12
		Madhya Pradesh	0.90	11.31
		Haryana	0.88	11.06
		All - India	7.96	100.00
	Soyabean	Madhya Pradesh	5.37	44.79
		Maharashtra	4.79	39.95
		Rajasthan	0.98	8.17
		All - India	11.99	100.00
	Sunflower	Karnataka	0.30	54.55
		Andhra Pradesh	0.09	16.36
		Maharashtra	0.04	7.27
		All - India	0.55	100.00
	Total Oilseeds	Gujarat	6.84	20.80
		Madhya Pradesh	6.66	20.26
		Rajasthan	6.07	18.46
		All - India	32.88	100.00
III. Other Cash Crops	Sugarcane	Uttar Pradesh	135.16	38.61
		Maharashtra	76.55	21.87
		Karnataka	35.91	10.26
		All - India	350.02	100.00
	Cotton @	Gujarat	10.95	29.93
		Maharashtra	8.52	23.29
		Andhra Pradesh	7.14	19.51
		All - India	36.59	100.00
	Jute & Mesta\$	West Bengal	8.62	74.44
		Bihar	1.93	16.67
		Assam	0.74	6.39
		All - India	11.58	100.00

Note: Figures for 2013-14 are 4th Advance Estimates.

@: Production in million bales of 170 kg each.

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

Source: Directorate of Economics and Statistics, Department of Agriculture and Cooperation.



Table 5.3 Area, Production and Yield of Foodgrains during 2012-13 and 2013-14 in major Producing States alongwith coverage under Irrigation

Area - Million ha, Production - Million Tonnes, Yield - kg/ha										
State	2013-14#				2012-13				Area Under Irrigation(%) 2011-12*	
	Area	% to All - India	Production	% to All - India	Yield	Area	% to All - India	Production	% to All - India	Yield
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Uttar Pradesh	20.23	16.05	50.05	18.90	2474	19.96	16.53	50.75	19.73	2542
Punjab	6.56	5.20	28.90	10.92	4409	6.57	5.44	25.54	9.93	3890
Madhya Pradesh	14.94	11.85	24.24	9.15	1622	14.14	11.70	23.69	9.21	1676
Andhra Pradesh	7.61	6.04	20.10	7.59	2641	6.99	5.79	18.66	7.26	2670
Rajasthan	13.42	10.64	18.30	6.91	1364	12.41	10.28	18.37	7.14	1480
West Bengal	6.24	4.95	17.05	6.44	2732	6.09	5.04	16.55	6.43	2717
Haryana	4.40	3.49	16.97	6.41	3854	4.40	3.64	16.23	6.31	3689
Maharashtra	11.62	9.22	13.92	5.26	1198	10.58	8.76	10.97	4.27	1038
Bihar	6.67	5.29	13.15	4.97	1971	6.74	5.58	15.94	6.20	2366
Karnataka	7.51	5.95	12.17	4.60	1622	7.30	6.04	10.86	4.22	1488
Tamil Nadu	3.55	2.81	8.49	3.21	2396	2.63	2.17	5.59	2.18	2131
Odisha	5.15	4.09	8.33	3.15	1617	5.03	4.17	8.01	3.11	1592
Gujarat	4.29	3.40	8.21	3.10	1917	3.58	2.97	7.06	2.74	1970
Chhattisgarh	4.95	3.93	7.58	2.86	1532	5.08	4.20	7.64	2.97	1506
Assam	2.53	2.01	4.94	1.87	1952	2.69	2.23	5.28	2.05	1962
Jharkhand	2.24	1.77	4.19	1.58	1874	2.43	2.01	4.56	1.77	1876
Uttarakhand	0.89	0.71	1.78	0.67	2001	0.93	0.77	1.83	0.71	1962
Others	3.26	2.59	23.43	8.85	@	3.25	2.69	9.61	3.74	@
All India	126.04	100.00	264.77	100.00	2101	120.78	100.00	257.13	100.00	2129
										49.8

Fourth Advance Estimates, * Provisional, @ Since area/ production is low in individual states, yield rate is not worked out.

Note: States have been arranged in descending order of percentage share of production during 2013-14.

Source: Directorate of Economics and Statistics, Department of Agriculture and Cooperation.



Table 5.4

Normal Area, Production and Yield of Major Crops in India
(Average of 2008-09 to 2012-13)

Area - Million ha, **Production** - Million Tonnes, **Yield** - kg/ ha

Group of Crops	Crops	Season	Area	Production	Yield
(1)	(2)	(3)	(4)	(5)	(6)
I. Foodgrains	Rice	Total	43.42	98.95	2279
	Wheat	<i>Rabi</i>	29.04	87.39	3009
	Jowar	Total	7.03	6.44	916
	Bajra	<i>Kharif</i>	8.67	8.96	1033
	Maize	Total	8.49	20.43	2406
	Total Coarse Cereals	Total	26.93	39.8	1478
	Tur	<i>Kharif</i>	3.82	2.65	694
	Gram	<i>Rabi</i>	8.41	7.86	935
	Total Pulses	Total	23.9	16.58	694
	Total Foodgrains	Total	123.29	242.73	1969
II .Oilseeds	Groundnut	Total	5.5	6.5	1182
	Nine Oilseeds	Total	26.71	29.16	1092
III . Other Cash Crops	Sugarcane	Total	4.7	324.39	69019
	Cotton @	Total	10.98	29.55	458
	Jute & Mesta\$	Total	0.89	11.03	2232

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

Source: Directorate of Economics and Statistics, Department of Agriculture and Cooperation.

Table 5.5

Target and Achievement of Production of Major Crops
from 2011-12 onwards

(Million Tonnes)

Crop	2011-12		2012-13		2013-14*
	Target	Achievement	Target	Achievement	Target
(1)	(2)	(3)	(4)	(5)	(6)
Rice	102.00	105.30	104.00	105.24	105.00
Wheat	84.00	94.88	88.00	93.51	92.50
Coarse Cereals	42.00	42.01	44.00	40.04	42.50
Pulses	17.00	17.09	18.24	18.34	19.00
Foodgrains	245.00	259.29	254.24	257.13	259.00
Oilseeds	33.60	30.01	33.50	30.94	31.00
Sugarcane	350.00	361.04	352.00	341.20	340.00
Cotton #	34.00	35.20	35.00	34.22	35.00
Jute & Mesta@	12.30	11.40	12.00	10.93	12.00

* 4th Advance Estimates, # Million Bales of 170 kg each, @ Million Bales of 180 kg each.



Table 5.6**Production of Oilseeds/Oils and Net Domestic Availability of Edible Oils****Qty. in Lakh Tonnes**

Oilseeds/Oils	2012-13**		2013-14***	
	Oilseeds	Oils	Oilseeds	Oils
(1)	(2)	(3)	(4)	(5)
A. Primary Source				
Groundnut	46.95	10.80	96.73	22.25
Rapeseed & Mustard	80.29	24.89	79.6	24.68
Soyabean	146.66	23.47	119.89	19.19
Sunflower	5.44	1.80	5.47	1.80
Sesamum	6.85	2.12	6.75	2.09
Nigerseed	1.02	0.31	0.89	0.26
Safflower	1.09	0.33	1.14	0.34
Castor	19.64	7.86	16.89	6.76
Linseed	1.49	0.45	1.43	0.43
Sub Total	309.43	72.03	328.79	77.80
B. Secondary Source				
Coconut	-	3.90		4.30
Cottonseed	-	11.57	-	12.40
Ricebran	-	7.8	-	8.10
Solvent Extracted Oils	-	4.10	-	4.10
Tree & Forest Origin	-	1.20	-	1.20
Sub Total	-	28.57	-	30.10
Total(A+B)	-	100.60	-	107.90
C. Less: Exports & Industrial Use	-	8.41	-	7.1
D. Net Domestic Availability of Edible Oils	-	92.19	-	100.80
E. Import of Edible Oils	-	106.05	-	88.6
F. Total Availability/ Consumption of Edible Oils	-	198.24	-	

** Based on final Estimate (released by Ministry of Agriculture on 14.2.2014).

*** Based on 4th Advance Estimates (released by Ministry of Agriculture on 14.08.2014).**Source:** Directorate General of Commercial Intelligence & Statistics (Department of Commerce).

Table 5.7 Average Annual Growth Rate of Area, Production and Yield of major Crops (Base T.E. 2007-08=100)

A=Average of Annual Growth Rate of Area, P=Average of Annual Growth Rate of Production, Y=Average of Annual Growth Rate of Yield

Crops	2008-09 to 2013-14			Crops	2008-09 to 2013-14		
	A	P	Y		A	P	Y
(1)	(2)	(3)	(4)	(1)	(2)	(3)	(4)
Rice	0.1	1.8	1.6	Sugarcane	0.3	0.5	0.1
Wheat	1.5	3.4	1.9	Cotton	3.7	6.5	2.4
Jowar	-4.8	-5.5	-0.4	Jute	-1.0	1.2	2.0
Bajra	-2.6	1.1	3.4	Mesta	-8.9	-7.6	1.2
Maize	1.9	4.3	2.3	Coconut	2.2	8.7	6.1
Ragi	-3.2	-3.3	-0.3	Cotton seed	3.7	6.5	2.4
Small Millets	-6.4	-3.6	2.7	Sannhamp	-8.6	3.8	14.3
Barley	4.4	9.9	4.6	Potato	4.7	8.8	3.9
Coarse Cereals	-1.8	1.3	3.1	Tapioca	-2.4	-1.4	0.9
Cereals	-0.1	2.2	2.2	Sweet potato	1.3	3.6	2.3
Tur	1.3	2.6	1.4	Onion	8.7	14.5	5.7
Gram	4.5	9.6	5.1	Banana	7.5	9.1	0.9
Moong	-2.8	11.0	10.5	Tobacco	3.8	8.1	3.6
Urad	-0.6	3.3	3.5	Guar seed	8.9	32.2	19.1
Lentil	2.5	7.9	5.7	Black pepper	-5.3	3.1	17.0
Other Pulses	-1.0	4.8	5.5	Dry chillies	-0.2	0.1	0.4
Total Pulses	1.1	5.4	4.3	Dry ginger	5.6	13.5	6.0
Foodgrains	0.1	2.4	2.2	Turmeric	2.0	4.3	1.9
Groundnut	-1.5	8.7	6.9	Arecanut	2.6	5.3	2.1
Castorseed	7.9	11.8	3.5	Cardamom	2.1	5.2	3.1
Nigerseed	-6.2	-1.3	5.6	Coriander	7.3	14.7	4.6
Sesamum	-1.7	0.3	1.6	Garlic	4.2	3.9	-0.4
Rapeseed & Mustard	3.0	7.3	3.9	Tea	0.0	0.6	0.6
Linseed	-6.7	-2.5	5.3	Coffee	1.1	3.4	2.2
Safflower	-9.9	-9.7	0.5	Rubber	3.0	1.8	-1.2
Sunflower	-13.9	-16.6	-1.6	Non Foodgrains	2.3	2.2	-0.2
Soyabean	5.3	3.3	-1.4	All Crops	0.9	2.2	1.2
Total Oilseeds	1.1	2.6	1.3				

Note: (1) Data for Foodgrain, Oilseed and Commercial Crops are as per second Advance Estimates for 2013-14.

(2) Data for Horticulture crops are as per First Advance Estimates for 2013-14 released by Horticulture Division, DAC.

Source: Directorate of Economics and Statistics, Department of Agriculture and Cooperation.



Table 5.8 All India Crop-wise Irrigated Area (%)

Crops	1950-51	1990-91	2000-01	2010-11	2011-12 (P)
(1)	(2)	(3)	(4)	(5)	(6)
Rice	31.7	45.5	53.6	58.6	58.7
Jowar	3.0	5.6	7.9	8.7	9.7
Bajra	3.4	5.1	8.0	8.3	8.5
Maize	11.4	19.7	22.4	24.3	25.3
Wheat	34.0	81.1	88.1	92.1	92.9
Barley	NA	NA	65.5	70.3	74.9
Coarse Cereal	7.9	9.0	12.5	14.4	17.89
Total Cereals	NA	NA	49.8	56.2	57.7
Gram	12.5	20.5	30.9	29.7	33.5
Tur or Arhar	0.5	5.5	4.2	4.0	3.9
Total Pulses	9.4	10.5	12.5	14.8	16.1
Total Foodgrains	18.1	35.1	43.4	47.8	49.8
Sugarcane	67.3	86.9	92.1	92.5	94.3
Groundnut	NA	18.6	17.6	22.4	24.3
Rapeseed & Mustard	NA	59.8	66.1	69.9	73.2
Soyabean	NA	NA	1.4	0.6	0.6
Sunflower	NA	NA	27.6	31.7	32.4
Total Oilseeds	NA	22.9	23.0	25.1	27.6
Cotton	8.2	32.9	34.3	33.8	35.9
Tobacco	NA	43.2	52.8	47.1	50.9
Total area under all crops	...	...	40.2	44.9	46.9

NA: Not Available, (P): Provisional.

Source: Directorate of Economics & Statistics, Department of Agriculture & Cooperation.

Table 5.9 State-wise Percent Coverage of Irrigated Area under Principal Crops during 2011-12 (Provisional)

State/UT	Rice	Jowar	Total Cereals	Total Pulses	Total Foodgrains	Total Oilseeds	Cotton	Tobacco	Total area under all crops
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
A.P.	97.1	17.2	83.7	3.7	62.5	23.2	18.2	32.5	49.3
Arunachal Pradesh	38.7	-	25.7	-	24.6	-	-	-	20.1

Contd...



State/UT	Rice	Jowar	Total Cereals	Total Pulses	Total Foodgrains	Total Oilseeds	Cotton	Tobacco	Total area under all crops
Assam	4.9	-	4.9	-	4.6	0.4	-	-	3.9
Bihar	61.1	2.2	72.8	3.2	67.4	54.0	-	96.3	67.4
Chhattisgarh	34.2	-	33.2	12.1	29.7	4.0	92.9	90.5	29.1
Goa	33.9	-	33.7	97.9	44.9	13.5	-	-	25.0
Gujarat**	61.5	19.8	53.7	15.2	46.0	34.9	58.7	100.0	48.2
Haryana	99.9	71.9	90.6	27.6	88.9	79.9	99.9	100.0	87.5
H.P.**	64.4	-	19.9	12.5	19.6	16.1	-	-	19.7
J & K	90.2	-	38.7	12.5	38.0	69.4	-	-	41.3
Jharkhand**	3.2	-	7.4	2.9	7.0	6.2	-	-	12.1
Karnataka	75.2	11.5	37.5	7.6	28.2	30.1	26.0	13.4	34.3
Kerala	100.0	-	99.7	-	97.9	22.1	-	-	20.5
M.P.	21.7	0.2	59.0	35.1	50.5	4.8	49.8	53.3	36.5
Mahara-shtra**	26.1	9.5	19.7	8.7	16.4	3.6	2.7	16.7	18.7
Manipur**	30.7	-	27.4	-	24.6	-	-	-	18.8
Meghalaya	49.9	-	42.5	-	41.3	36.4	-	-	23.6
Mizoram	50.9	-	40.2	-	36.0	-	-	-	13.5
Nagaland	47.4	-	33.0	1.3	29.3	6.4	-	-	19.4
Odisha	33.2	-	31.7	3.0	29.0	16.0	-	-	28.9
Punjab	99.5	100.0	98.7	83.4	98.7	84.3	100.0	-	98.3
Rajasthan	55.1	0.2	34.1	13.1	27.7	57.0	93.0	75.5	36.3
Sikkim**	84.5	-	19.3	3.0	17.8	12.2	-	-	13.7
Tamil Nadu	93.7	15.5	77.4	10.6	63.5	62.4	29.1	100.0	59.7
Tripura**	38.4	-	38.0	16.2	37.4	5.5	5.4	-	34.9
Uttarakhand	68.9	-	46.1	9.9	44.0	25.7	0.0	50.0	49.0
U. P.**	80.4	0.9	83.7	21.0	76.1	46.4	98.1	100.0	76.7
W. B.**	48.2	19.6	50.2	23.3	49.3	82.6	79.2	97.5	58.1
ALL INDIA	58.7	9.7	57.7	16.1	49.8	27.6	35.9	50.9	46.9

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

Source: Directorate of Economics & Statistics, Department of Agriculture & Cooperation.



Table 5.10 All India Crop-wise Yield (qtl/ha)

Crops	1950-51	1990-91	2000-01	2010-11	2011-12	2012-13	2013-14*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Rice	6.68	17.40	19.01	22.39	23.93	24.61	24.24
Jowar	3.53	8.14	7.64	9.49	9.57	8.50	9.26
Bajra	2.88	6.58	6.88	10.79	11.71	11.98	11.64
Maize	5.47	15.18	18.22	25.40	24.78	25.66	25.83
Wheat	6.63	22.81	27.08	29.88	31.77	31.69	30.75
Coarse Cereal	4.08	9.00	10.27	15.31	15.90	16.17	16.77
Gram	4.82	7.12	7.44	8.95	9.28	10.36	9.67
Tur or Arhar	7.88	6.73	6.18	6.55	6.62	7.76	8.49
Total Pulses	4.41	5.78	5.44	6.91	6.99	7.89	7.64
Total Foodgrains	5.22	13.80	16.26	19.30	20.78	21.29	21.01
Sugarcane	334.22	653.95	685.78	700.91	703.17	682.54	698.38
Groundnut	7.75	9.04	9.77	14.11	13.05	9.95	17.50
Rapeseed & Mustard	3.68	9.04	9.36	11.85	11.45	12.62	11.88
Soyabean	4.26	10.15	8.23	13.27	12.07	13.53	9.83
Sunflower	6.53	5.35	6.05	7.01	6.92	6.55	7.91
Total Oilseeds	4.81	7.71	8.10	11.93	11.35	11.68	11.53
Cotton	0.88	2.25	1.90	4.99	4.91	4.86	5.32
Tobacco	7.31	13.53	13.18	16.87	16.13	15.42	NA

NA: Not Available.

* 4th Advance Estimate.

Source: Directorate of Economics & Statistics, Department of Agriculture & Cooperation.



6

Area, Production and Yield of Horticulture Crops



Table 6.1 Area and Production of Horticulture Crops

Area in '000' ha, Production in '000' Tonnes

Crops	2012-13		2013-14 (P)	
	Area	Production	Area	Production
(1)	(2)	(3)	(4)	(5)
Fruits				
Almond	21	9	21	13
Aonla/Gooseberry	108	1266	110	1282
Apple	311	1915	315	2544
Banana	776	26509	831	29530
Ber	41	438	40	382
Citrus				
(i) Lime/Lemon	255	2524	258	2565
(ii) Mandarin (Orange)	311	2906	330	3109
(iii) Sweet Orange(Mosambi)	323	3520	326	3676
(iv) Others	153	1140	157	1134
Citrus Total (i to iv)	1042	10090	1071	10484
Custardapple	20	136	23	174
Grapes	118	2483	119	2525
Guava	236	3198	272	3637
Jackfruit	67	1176	68	1278
Kiwi	4	7	5	9
Litchi	83	580	84	599
Mango	2500	18002	2528	17938
Papaya	132	5382	135	5573
Passion Fruit	18	101	19	123
Peach	19	98	19	99
Pear	42	295	44	334
Pineapple	105	1571	109	1681
Plum	24	74	24	82
Pomegranate	113	745	129	1072
Sapota	164	1495	165	1523

Contd...



Crops	2012-13		2013-14 (P)	
	Area	Production	Area	Production
(1)	(2)	(3)	(4)	(5)
Walnut	123	233	125	246
Others	915	5482	930	5695
Total Fruits	6982	81285	7186	86822
Vegetables				
Beans	124	1269	119	1213
Bitterguard	83	940	88	971
Bottleguard	114	2090	118	2192
Brinjal	722	13444	722	13842
Cabbage	372	8534	412	9109
Capsicum	29	153	29	156
Carrot	64	1145	69	1190
Cauliflower	402	7887	432	8585
Cucumber	41	641	45	690
Muskmelon	42	868	37	702
Okra	531	6350	533	6461
Onion	1052	16813	1211	19769
Peas	421	4006	438	4165
Potato	1992	45344	2017	44306
Radish	170	2411	177	2561
Sitaphal/Pumpkin	16	373	15	356
Sweet Potato	112	1132	110	1126
Tapioca	207	7237	216	7778
Tomato	880	18227	910	19193
Watermelon	81	1789	81	1827
Others	1751	21535	1788	21953
Total Vegetables	9205	162187	9567	168142
Aromatic	557	918	554	931
Flowers Cut*		76732		542
Flowers Loose	233	1729	241	1824
Plantation Crops				

Contd...



Crops	2012-13		2013-14 (P)	
	Area	Production	Area	Production
(1)	(2)	(3)	(4)	(5)
Areca nut	446	609	452	626
Cashew nut	992	753	1009	757
Cocoa	66	13	71	15
Coconut	2137	15609	2143	15200
Total Pantation Crops	3641	16985	3674	16598
Spices				
Ajwan	35	27	39	27
Cardamom	92	18	99	21
Chillies (Dried)	794	1304	791	1376
Cinnamon/Tejpata	3	5	3	5
Celery, Dill & Poppy	33	33	33	33
Clove	2	1	2	1
Coriander	543	524	425	428
Cumin	594	394	866	456
F.Greek	93	113	76	97
Fennel	100	143	94	136
Garlic	248	1259	227	1181
Ginger	136	683	140	688
Nutmeg	17	13	19	13
Pepper	125	53	122	49
Vanilla	7	1	7	1
Tamarind	58	202	59	192
Turmeric	194	971	234	1229
Spice Total	3076	5744	3236	5932
Grand Total	23694	268848	24458	280792

P: Provisional

Note: From 2013-14 (3rd adv. Est.) * Cut Flower Production is being given in Thousand MT as compared to earlier reporting in Lakh Numbers.

Figure of Production under Grand Total does not include Production of Cut-Flowers upto 2012-13.

Source: Department of Agriculture and Cooperation (Horticulture Division).



Table 6.2 All-India Area, Production and Yield of Potato and Onion**Area** - Million ha, **Production** - Million Tonnes, **Yield** - kg/ha

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	22784	1.05	16.81	16010
2013-14 (3 rd Adv. Est.)	2.02	44.31	21967	1.21	19.77	16318

Source : Department of Agriculture and Cooperation (Horticulture Division).**Table 6.3** All-India Area, Production and Yield of Banana**Area** - Million ha, **Production** - Million Tonnes, **Yield** - kg/ha

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	0.77	26.51	34161
2013-14 (3 rd Adv. Est.)	0.83	29.53	35526

Source : Department of Agriculture and Cooperation (Horticulture Division).

7

Livestock Statistics



Table 7.1 Livestock Population in India**(Million Numbers)**

Species	1951	1982	1992	2003	2007\$
(1)	(2)	(3)	(4)	(5)	(6)
Cattle	155.3	192.5	204.6	185.2	199.1
Adult Female Cattle	54.4	59.2	64.4	64.5	73.0
Buffalo	43.4	69.8	84.2	97.9	105.3
Adult Female Buffalo	21.0	32.5	43.8	51.0	54.5
Total Bovines	198.7	262.4	289.0	283.1	304.4
Sheep	39.1	48.8	50.8	61.5	71.6
Goats	47.2	95.3	115.3	124.4	140.5
Horses & Ponies	1.5	0.9	0.8	0.8	0.6
Camels	0.6	1.1	1.0	0.6	0.5
Pigs	4.4	10.1	12.8	13.5	11.1
Mules	0.1	0.1	0.2	0.2	0.1
Donkeys	1.3	1.0	1.0	0.7	0.4
Yaks	NC	0.1	0.1	0.1	0.1
Total Livestock	292.8	419.6	470.9	485.0	529.7
Poultry*	73.5	207.7	307.1	489.0	648.8
Dogs	NC	18.5	21.8	29.0	19.1
Rabbits	NC	NC	NC	0.5	0.4

NC: Not Collected.

* Includes chicken, ducks, turkey & other birds.

\$ Provisional derived from village level total.

Source: Department of Animal Husbandry, Dairying & Fisheries.

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	73.4	47.9

Source: Department of Animal Husbandry, Dairying & Fisheries.

Table 7.3 Fish Production in India

('000 Tonnes)

Year	Marine	Inland	Total
(1)	(2)	(3)	(4)
1950-51	534	218	752
1980-81	1555	887	2442
1990-91	2300	1536	3836
2000-01	2811	2845	5656
2009-10	3104	4894	7998
2010-11	3250	4981	8231
2011-12	3372	5294	8666
2012-13	3321	5720	9040

Source: Department of Animal Husbandry Dairying & Fisheries.



8

Agricultural Inputs & Costs



Table 8.1 Production and Use of Agricultural Inputs in India

Programme	Unit	2000-01	2010-11	2011-12	2012-13	2013-14
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1. Seeds						
(i) Production of Breeder Seeds	Thousand qtl	42.69	118.85	123.38	110.20	82.29
(ii) Production of Foundation Seeds	Lakh qtl	5.91	17.53	21.86	16.17	17.43
(iii) Distribution of Certified/ Quality Seeds	Lakh qtl	86.27	277.34	294.85	313.44	301.39
2. Consumption of Chemical Fertilisers						
Nitrogenous (N)	Lakh Tonnes	109.20	165.58	173.00	168.21	167.5
Phosphatic(P)	Lakh Tonnes	42.15	80.50	79.14	66.53	56.33
Potassic(K)	Lakh Tonnes	15.67	35.14	25.26	20.62	20.99
Total (N+P+K)	Lakh Tonnes	167.02	281.22	277.40	255.36	244.82
Per ha**	kg	89.63	142.52	142.33	130.79	125.39
3. Consumption of Pesticides (Technical Grade Material)	Thousand Tonnes	43.58	55.54	52.98	45.62*	58.21*
4. Area Covered Under Soil Conservation (Cumulative)	Lakh Ha	4.36	7.49	4.72	5.46	NA

NA: Not Available, E: Estimated

*(as on 30.4.2014)

** Based on 2009-10 Provisional Gross Cropped Area.

Sources: 1) Department of Agriculture & Cooperation, New Delhi.

2) States/UTs Zonal Conference, *Kharif & Rabi*.





Table 8.2 Consumption, Production and Import of Fertilisers

(Lakh Tonnes)

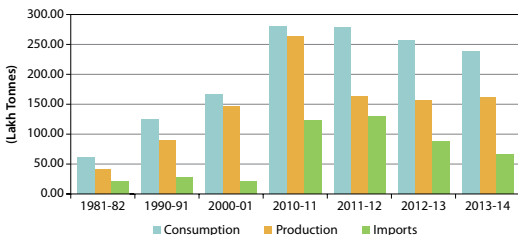
Year	Consumption				Production			Imports				C & F Value of Imports (₹ Crore)
	N	P	K	TOTAL	N	P	TOTAL	N	P	K	TOTAL	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
1981-82	40.69	13.22	6.73	60.64	31.44	9.49	40.93	10.54	3.43	6.44	20.41	716.62
1990-91	79.97	32.21	13.28	125.46	69.93	20.52	90.45	4.14	10.16	13.28	27.58	1335.82
2000-01	109.20	42.15	15.67	167.02	109.61	37.43	147.04	1.54	3.96	15.41	20.91	#
2010-11	165.58	80.50	35.14	281.22	221.56	42.22	263.78	45.64	37.38	38.81	121.83	8348.89
2011-12	173.00	79.14	25.76	277.90	122.59	41.01	163.60	52.40	44.27	33.35	130.02	15442.02
2012-13	180.36	59.55	18.13	258.04	121.94	35.41	157.35	46.90	27.78	12.30	86.98	15980.22
2013-14	165.25	54.58	19.76	239.59	123.78	37.14	160.92	38.08	15.9	13.33	67.31	-

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

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

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

Source: Department of Fertilisers.

Chart 8(a)**Trends in Consumption, Production and Imports of Fertilizers in India**

Source: Department of Fertilisers.

Table 8.3 Zone-wise Consumption of Fertilizers

(Thousand Tonnes)

S.N.	State/Zone	2010-11	2011-12	2012-13	2013-14
(1)	(2)	(3)	(4)	(5)	(6)
1	South Zone	7150.24	7266.62	5519.08	6004.82
		(212.01)	(201.7)	(153.19)	(174.47)
2	West Zone	9152.32	8607.24	7636.3	8042.24
		(110.73)	(95.40)	(84.64)	(91.51)
3	North Zone	7918.70	7872.37	8284.48	7039.97
		(187.29)	(183.92)	(192.32)	(161.88)
4	East Zone	3588.57	3683.41	3775.01	3078.25
		(130.37)	(157.18)	(161.08)	(132.57)
5	North East Zone	312.38	310.36	321.28	317.13
		(52.01)	(49.97)	(51.73)	(50.84)
6	All India	28122.21	27740.00	25536.15	24482.41
		(146.32)	(139.67)	(128.34)	(125.39)

Note: Figures in parentheses indicates estimated Consumption of Fertilizer per ha.

Source: Department of Agriculture and Cooperation, INM Division.



Table 8.4 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

* Provisional

Source: Central Electricity Authority, Delhi.

Table 8.5 Flow of Institutional Credit to Agriculture Sector

(₹ Crore)

Particulars/Agency	1999-00	2004-05	2010-11	2011-12	2012-13	2013-14*
(1)	(2)	(3)	(4)	(5)	(6)	(7)
(A) Production (ST) Credit						
Cooperative Banks	14771	27157	69038	81829	102592	113574
RRBs	2423	10010	38121	47401	55957	70697
Commercial Banks	11697	36793	NA	266928	314951	388730
Other Agencies	74	104	0	0	0	0
Sub Total (A)	28965	74064	107159	396158	473500	573001
(B) MT/LT Total						
Cooperative Banks	3489	4074	9083	6134	8611	6389
RRBs	749	2394	6172	7049	7724	11956
Commercial Banks	13036	44688	NA	101688	117540	120275
Other Agencies	29	89	0	0	0	



Particulars/Agency	1999-00	2004-05	2010-11	2011-12	2012-13	2013-14*
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Sub Total (B)	17303	51245	15255	114871	133875	138620
ST+MT/LT Credit						
Cooperative Banks	18260	31231	78121	87963	111203	119963
RRBs	3172	12404	44293	54450	63681	82653
Commercial Banks	24733	81481	345877	368616	432491	509005
Other Agencies	103	193	0	0	0	0
Grand Total (A+B)	46268	125309	468291	511029	607375	711621

* Provisional, NA: Not Available, ST: Short Term, MT: Medium Term, LT: Long Term

Source: Department of Agriculture and Cooperation, Credit Division.

Table 8.6 National Agricultural Insurance Scheme (NAIS), Year-wise Cumulative upto 2013-14

(₹ lakh)

Year	Farmers Insured (No.)	Area Insured (ha)	Farmers Benefitted (No.)
(1)	(2)	(3)	(4)
2000-01	10501107	16331252	4161949
2010-11	17650197	24047539	3389922
2011-12	16793860	23385766	3095855
2012-13	16791031	24384857	2613107
2013-14	11254942	15983340	2738903

Source: Department of Agriculture and Cooperation, Credit Division.



Table 8.7 Cost Estimate of Principal Crops 2011-12

Crop	State	Cost of Cultivation (₹/ha)		Cost of Production (₹/qtl)	Yield (qtl./ha)
		A2+FL (3)	C2 (4)		
(1)	(2)	(3)	(4)	(5)	(6)
Arhar	Maharashtra	32482.97	46445.03	3138.74	14.15
	Karnataka	11185.71	19993.36	2426.42	7.65
	Madhya Pradesh	16067.60	26052.49	2642.58	9.55
Bajra	Rajasthan	13117.38	16867.91	931.01	11.3
	Uttar Pradesh	14301.85	21266.84	868.86	19.09
	Gujarat	23407.54	31002.92	884.33	24.49
Cotton	Gujarat	41468.38	58037.88	3267.52	17.48
	Maharashtra	45743.38	61907.49	3985.05	15.34
	Andhra Pradesh	38772.50	61634.00	3557.48	17.32
Groundnut	Gujarat	32905.07	42836.57	2916.12	11.95
	Andhra Pradesh	40676.21	65632.13	3714.44	16.99
	Tamil Nadu	37888.68	47915.18	3270.77	13.59
Jowar	Maharashtra	24150.05	34744.7	1523.81	15.92
	Karnataka	13734.25	21045.98	1778.27	10.29
	Tamil Nadu	14766.40	20393.59	1559.86	6.53
Maize	Andhra Pradesh	27975.52	44038.14	891.54	47.28
	Karnataka	24790.33	36272.45	901.33	37.46
	Tamil Nadu	42503.10	57022.85	916.23	60.42
Moong	Andhra Pradesh	10692.69	20669.87	2855.81	7.22
	Maharashtra	20853.94	26008.25	5072.10	5.05

Contd...



Crop	State	Cost of Cultivation (₹/ha)		Cost of Production (₹/qtl)	Yield (qtl./ha)
		A2+FL (3)	C2 (4)	C2 (5)	
(1)	(2)	(3)	(4)	(5)	(6)
Nigerseed	Tamil Nadu	12475.91	16464.64	3544.77	4.58
	Odisha	10619.86	13951.74	3028.76	4.54
Rice	West Bengal	37959.78	49142.99	1085.76	39.05
	Uttar Pradesh	28147.45	40146.68	957.83	39.47
	Andhra Pradesh	37946.69	58027.19	976.36	55.56
Ragi	Uttarakhand	38804.43	45008.78	1691.36	24.19
	Maharashtra	19647.60	25721.43	1147.62	21.55
	Karnataka	27046.88	33156.65	1739.42	15.59
Soyabean	Madhya Pradesh	14736.24	22561.37	1687.92	12.60
	Maharashtra	22975.57	30808.81	1971.27	15.21
	Rajasthan	12547.89	19594.75	1265.82	14.58
Sunflower	Karnataka	11888.86	16159.66	3095.85	5.15
	Andhra Pradesh	23313.56	34107.37	3074.42	11.07
	Maharashtra	20167.47	27824.52	2738.96	9.82
Lentil	Uttar Pradesh	12677.73	23152.94	2492.13	8.99
	Madhya Pradesh	11534.57	19536.46	2110.58	8.82
	Bihar	10015.72	18467.14	2107.36	8.15
R & M	Rajasthan	16846.85	28041.38	2238.94	11.82
	Madhya Pradesh	15084.43	28892.26	1960.58	14.07
	Haryana	18439.97	41935.26	2045.90	18.93
Safflower	Maharashtra	15176.87	21108.12	2073.49	10.00

Contd...





Crop (1)	State (2)	Cost of Cultivation (₹/ha)		Cost of Production (₹/qtl)	Yield (qtl./ha)
		A2+FL (3)	C2 (4)		
Wheat	Uttar Pradesh	26001.27	42383.57	930.55	37.52
	Punjab	25711.09	49298.84	888.55	49.51
	Madhya Pradesh	17871.12	33396.15	851.95	33.6
Jute	Assam	37118.76	47558.94	2011.34	22.35
	Odisha	39329.14	50522.69	2285.25	20.36
	West Bengal	40122.51	54085.15	1973.31	23.92
Onion	Andhra Pradesh	58233.64	93640.80	636.02	146.88
	Gujarat	61843.81	71650.55	461.90	154.63
	Maharashtra	70761.25	91827.13	353.11	255.48
Sugarcane	Uttar Pradesh	43129.23	78549.41	141.13	529.05
	Maharashtra	102289.82	146726.70	138.64	1008.55
	Karnataka	59069.94	94585.62	122.96	753.51
Potato	Bihar	45925.51	52992.70	320.15	165.52
	Uttar Pradesh	47551.69	64763.47	435.92	148.57
	West Bengal	79585.02	108621.30	423.77	256.32

Note: 1. Cost A2 includes all actual expenses in cash and kind incurred in production by owner and rent paid for leased in land.

2. Cost C2 includes all actual expenses in cash and kind incurred in production by owner, interest on value of owned fixed capital assets (including land), rental value of owned land (net of land revenue), rent paid for leased in land and imputed value of fixed capital assets.

3. FL: Family Labour, is imputed on the basis of statutory wage rate or the actual market rate whichever is higher.

Source: Directorate of Economics and Statistics, Department of Agriculture and Cooperation.

Table 8.8**All-India projected Cost of Production (C₂) of Principal crops in India****(₹ per qtl)**

S. N.	Commodity	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Kharif Crops							
1	Paddy	645	742	888	1152	1234	1267
2	Jowar	804	965	1141	1612	1648	1788
3	Bajra	658	768	840	1059	1003	1075
4	Maize	738	790	921	1070	1112	1165
5	Ragi	861	1107	1271	1884	1687	1794
6	Arhar(Tur)	2197	2422	2702	4167	3958	4214
7	Moong	2705	3109	3373	4699	4759	4971
8	Urad	2257	2490	2799	4334	4112	4317
9	Cotton	2111	2129	2528	2772	3533	3480
10	Groundnut In Shell	1879	2100	2633	3714	3398	3880
11	Sunflower Seed	1915	2257	2795	3698	3679	3863
12	Soyabean (Black)	1200	1298	1560	2343	2216	2226
13	Sesamum	3035	2847	3393	4186	4134	4812
14	Nigerseed	2368	2264	2945	4555	3628	3480
Rabi Crops**							
1	Wheat	701	826	927	1066	1109	1147
2	Barley	608	677	734	862	1035	1065
3	Gram	1641	1902	2121	2328	2865	2981
4	Masur (Lentil)	1626	2191	2592	3162	2760	2952
5	Rapeseed/Mustard	1276	1520	1786	1987	2368	2455
6	Safflower	1884	2038	3322	3338	3501	3685
Other Crops							
1	Jute	1193	1301	1496	1808	2160	2251
2	Sugarcane	81	90	102	148	185	193.13*

Note: For *Kharif* crops projected cost for 2014-15 crop season is excluding the cost of marketing, transportation and crop insurance premium.

** For RMS (2015-16), * Adjusted for recovery.

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

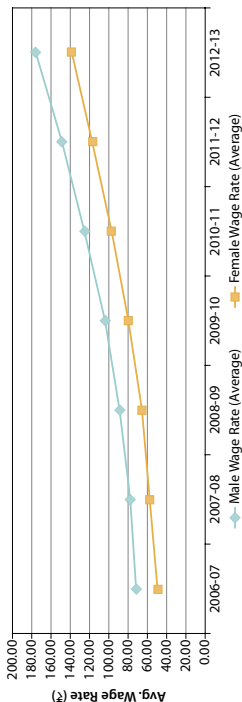



Table 8.9 All India Annual Average Daily Wage Rate for various Agricultural Operations (in ₹)

Crop Year (1)	Ploughing		Sowing		Weeding		Transplanting		Harvesting		Agri. Wages	
	Male (2)	Female (3)	Male (4)	Female (5)	Male (6)	Female (7)	Male (8)	Female (9)	Male (10)	Female (11)	Male (12)	Female (13)
2006-07	81.79	42.37	73.29	41.41	64.97	52.82	69.17	56.44	68.45	55.69	71.53	49.75
2007-08	91.38	49.96	79.28	57.18	70.07	58.27	73.79	61.93	75.24	62.31	77.95	57.93
2008-09	102.90	55.43	90.00	65.00	80.15	68.02	83.28	71.43	87.05	71.58	88.68	66.29
2009-10	120.85	70.43	104.52	79.47	92.78	78.94	98.29	86.71	102.82	84.95	103.85	80.10
2010-11	145.51	87.23	125.75	98.17	111.22	95.79	120.19	104.17	122.53	102.36	125.04	97.54
2011-12	170.47	99.09	152.07	120.14	134.01	117.67	140.14	124.79	148.49	123.29	149.04	117.00
2012-13	204.11	121.25	177.36	141.17	158.87	139.31	165.17	146.84	176.17	144.83	176.34	138.68

Note: 1. All India annual average is calculated for 20 major States., 2. Agri. Wage is average of five operations.

Source: Labor Bureau

Chart 8 (b) Trends in Average Daily Wage Rate of Male & Female Workers in Agricultural Operations


9

Prices & Procurement



Table 9.1Minimum Support Prices of various Agricultural Commodities
(According to Crop Year)

(As on 29.10.2014) (₹ Per qtl)

S. N.	Commodity	Variety	2011-12	2012-13	2013-14	2014-15
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Kharif Crops						
1	Paddy	Common	1080	1250	1310	1360
		Grade 'A'	1110	1280	1345	1400
2	Jowar	Hybrid	980	1500	1500	1530
		Maldandi	1000	1520	1520	1550
3	Bajra		980	1175	1250	1250
4	Maize		980	1175	1310	1310
5	Ragi		1050	1500	1500	1550
6	Arhar(Tur)		3200#	3850	4300	4350
7	Moong		3500#	4400	4500	4600
8	Urad		3300#	4300	4300	4350
9	Cotton	Medium Staple	2800 ^a	3600	3700	3750
		Long Staple	3300 ^{aa}	3900	4000	4050
10	Groundnut in shell		2700	3700	4000	4000
11	Sunflower Seed		2800	3700	3700	3750
12	Soyabean	Black	1650	2200	2500	2500
		Yellow	1690	2240	2560	2560
13	Sesamum		3400	4200	4500	4600
14	Nigerseed		2900	3500	3500	3600
Rabi Crops						
15	Wheat		1285	1350	1400	1450
16	Barley		980	980	1100	1150
17	Gram		2800	3000	3100	3175
18	Masur (Lentil)		2800	2900	2950	3075
19	Rapeseed/ Mustard		2500	3000	3050	3100
20	Safflower		2500	2800	3000	3050
21	Toria		2425	2970	3020	3020
Other Crops						
22	Copra	Milling	4525	5100	5250	5250
	(Calendar Year)	Ball	4775	5350	5500	5500

Contd...



S. N.	Commodity	Variety	2011-12	2012-13	2013-14	2014-15
23	De-Husked Coconut (Calendar Year)		1200	1400	1425	1425
24	Jute		1675	2200	2300	2400
25	Sugarcane*		145.00	170.00	210.00	220.00

^a Staple length (mm) of 24.5 - 25.5 and Micronaire value of 4.3 - 5.1.

^{aa} Staple length (mm) of 29.5 - 30.5 and Micronaire value of 3.5 - 4.3.

Additional incentive at the rate of ₹ 500 per qtl of tur, urad and moong sold to procurement agencies was payable during the harvest/arrival period of two months.

* Fair and remunerative price.

Source: Directorate of Economics and Statistics, Department of Agriculture and Cooperation.

Table 9.2 State-wise Procurement of Rice and Wheat in Major Rice and Wheat Producing States
(‘000 Tonnes)

State	2011-12	2012-13	2013-14	2014-15*
(1)	(2)	(3)	(4)	(5)
Rice (Oct-Sept)				
Andhra Pradesh	7540	6464	3647	
Punjab	7731	8558	4830	
Chhattisgarh	4115	4804	4289	
Uttar Pradesh	3355	2286	1127	
Odisha	2864	3613	2819	
Haryana	2007	2609	1985	
Tamil Nadu	1596	481	35	
West Bengal	2036	1766	1087	
Madhya Pradesh	635	898	1044	
Uttarakhand	378	497	463	
Others	2769	2044	5495	
All-India	35026	34020	23174	
Wheat (April-March)**				
Punjab	10958	12834	10897	11641
Haryana	6928	8665	5873	6495
Madhya Pradesh	4965	8493	6355	7094
Uttar Pradesh	3461	5063	682	628
Rajasthan	1303	1964	1268	2158
Bihar	557	772	0	0
Others	163	357	16	5
All-India	28335	38148	25092	28022

*Position upto 23.07.2014, **Position upto 16.07.2014 for RMS 2014-15, Neg: Below 500 tonnes.

Source: Department of Food and Public Distribution.



Table 9.3

Wholesale Price Index of Major Food Articles and Products (Base: 2004-05 = 100)

Commodity	Weight	2010-11	2011-12	2012-13	2013-14
(1)	(2)	(3)	(4)	(5)	(6)
All Commodities	100.00	143.32	156.13	167.62	177.64
I Primary Articles	20.12	182.44	200.32	219.97	241.61
(A) Food Articles	14.34	179.63	192.74	211.82	238.85
A. Food Grains (Cereals+Pulses)	4.09	174.43	180.72	207.13	225.97
a1. Cereals	3.37	169.67	176.23	199.87	225.53
Rice	1.79	167.19	172.29	194.16	226.22
Wheat	1.12	171.44	168.29	194.39	212.27
a2. Pulses	0.72	196.86	201.82	241.32	228.00
Gram	0.33	149.97	193.78	266.31	217.28
Arhar	0.14	205.06	183.20	199.35	212.28
Urad	0.10	271.75	240.00	227.67	234.32
b. Fruits & Vegetables	3.84	172.05	183.15	198.40	244.26
a1. Vegetables	1.74	182.83	179.26	210.08	294.45
Potato	0.20	131.95	128.98	206.95	220.08
Onion	0.18	259.60	186.67	232.51	482.22
a2. Fruits	2.11	163.17	186.37	188.79	202.92
Banana	0.34	163.01	173.42	210.53	246.64
Mango	0.65	191.52	237.15	219.68	191.47
Apple	0.10	173.59	220.38	241.42	228.61
Orange	0.13	185.32	237.35	228.29	208.85
c. Milk	3.24	175.88	194.01	208.05	220.63
d. Eggs, Meat & Fish	2.41	190.13	214.33	244.52	275.74
e. Condiments & Spices	0.57	243.98	237.53	209.50	245.58
Chillies(Dry)	0.16	221.80	277.12	235.13	267.04
Turmeric	0.08	401.72	214.87	166.32	215.28
f. Other Food Articles	0.18	181.94	216.45	242.19	229.11
Tea	0.11	148.33	150.85	198.56	196.11
Coffee	0.07	235.01	320.08	311.09	281.22
(B) Non-Food Articles	4.26	166.63	182.70	201.92	213.23
a. Fibres	0.88	198.38	218.39	208.32	239.73
b. Oil Seeds	1.78	141.33	158.75	198.02	202.59

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Commodity	Weight	2010-11	2011-12	2012-13	2013-14
(1)	(2)	(3)	(4)	(5)	(6)
Groundnut Seed	0.40	164.82	200.02	246.92	219.13
Rape & Mustard Seed	0.34	135.09	149.77	202.65	189.28
Copra (Coconut)	0.25	92.92	112.92	92.36	117.38
c. OTHER NON-FOOD ARTICLES	1.39	176.71	195.30	211.13	213.54
d. FLOWERS	0.21	181.91	153.91	148.46	190.78
II MANUFACTURED PRODUCTS	64.97	130.07	139.51	147.06	151.46
(A) FOOD PRODUCTS	9.97	141.15	151.20	163.49	168.79
a. DAIRY PRODUCTS	0.57	152.07	171.60	176.05	180.39
Powder Milk	0.20	150.22	176.99	180.73	182.78
Ghee	0.22	163.71	184.83	188.31	193.22
b. CANNING, PRESERVING & PROCESSING OF FOOD	0.36	127.21	139.58	143.96	164.92
Canned Fish	0.06	136.59	151.49	156.51	149.58
Fish Meal	0.06	100.20	113.11	119.35	113.58
Processed Prawn	0.12	122.53	128.92	124.23	183.34
Wheat Flour (Atta)	0.39	158.94	163.94	171.80	196.65
c. GRAIN MILL PRODUCTS	1.34	145.79	146.19	156.00	167.91
d. BAKERY PRODUCTS	0.44	126.25	127.19	129.97	139.21
Biscuit/Cookies	0.35	121.02	121.63	123.01	130.78
Bread & Buns	0.06	147.45	145.46	153.31	166.54
e. SUGAR, KHANDSARI & GUR	2.09	160.50	167.72	185.74	183
Sugar	1.74	165.02	173.44	193.10	188.42
Gur	0.08	197.20	197.15	217.14	220.05
Khandsari	0.06	159.87	170.90	183.65	182.01
Molasses	0.13	105.10	103.46	102.28	116.08
f. EDIBLE OILS	3.04	120.58	135.72	148.11	146.95
Vanaspati	0.71	116.32	121.40	125.62	126.19
Groundnut Oil	0.30	145.25	163.83	192.58	181.59
Palm Oil	0.42	111.30	119.74	124.78	126.25
Rice Bran Oil	0.18	120.12	146.82	154.12	151.23
Cotton Seed Oil	0.26	124.31	149.52	175.48	176.83

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Commodity	Weight	2010-11	2011-12	2012-13	2013-14
(1)	(2)	(3)	(4)	(5)	(6)
Mustard & Rapeseed Oil	0.45	116.30	135.89	154.22	154.01
Soyabean Oil	0.38	125.57	147.17	162.18	159.16
Copra Oil	0.10	100.08	119.87	114.39	121.16

Source: Office of Economic Adviser, M/o Commerce & Industry.

Chart 9(a) Comparison of Inflation from WPI and CPI

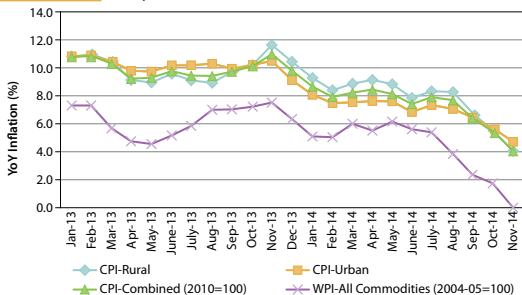
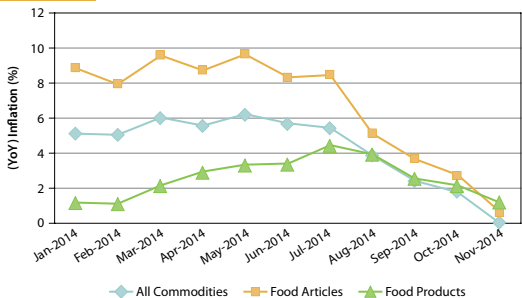


Chart 9(b) Trends in Inflation (WPI) of Food Products, Food Articles and All Commodities



10

Per-Capita Availability & Expenditure



Table 10.1**Per Capita Net Availability of Foodgrains (Per Annum) in India****(kg Per Year), (as on 06.03.2014)**

Year	Rice	Wheat	Other Cereals	Cereals	Gram	Pulses	Food Grains
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1951	58.0	24.0	40.0	122.0	8.2	22.1	144.1
1961	73.4	28.9	43.6	145.9	11.0	25.2	171.1
1971	70.3	37.8	44.3	152.4	7.3	18.7	171.1
1981	72.2	47.3	32.8	152.3	4.9	13.7	166.0
1991	80.9	60.0	29.2	171.0	4.9	15.2	186.2
2001	69.5	49.6	20.5	141.0	2.9	10.9	151.9
2011	66.3	59.7	23.9	149.9	5.3	15.7	165.6
2012	69.4	57.7	21.9	149.0	4.9	15.2	164.2
2013(P)	84.8	66.9	19.4	171.2	5.6	15.3	186.4

P- Provisional

- Note:** 1. The net availability of foodgrains is estimated to be Gross Production (-) seed, feed & wastage, (-) exports (+) imports, (+/-) change in stocks. The net availability of foodgrains divided by the population estimates for a particular year indicate per capita availability of foodgrains in terms of kg/year.
2. For calculation of per capita net availability the figures of net imports from 1981 to 1994 are based on imports and exports on Government of India account only. Net imports from 1995 onwards are the total exports and imports (on Government as well as private accounts).

Source: Directorate of Economics and Statistics, Department of Agriculture and Cooperation.**Table 10.2****Per Capita Availability of Certain Important Articles of Consumption**

Year	Edible Oils ^a (kg)	Vanaspatti ^b (kg)	Sugar (Nov-Oct) (kg) ^c	Cloth (meters) ^d			Tea (gm)	Coffee (gm)
				Cotton ^e	Man-made	Total		
(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 (P)	15.8	0.7	18.7	19.9	18.6	38.5	NA	NA

P: Provisional, NA: Not Available

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

b: Relates to calendar year.

c: Relates to actual releases for domestic consumption.

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

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

Source: Economic Survey 2013-14.

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

Item group	Rural			Urban		
	Share in total consumer expenditure			Share in total consumer expenditure		
	2004-05	2009-10	2011-12	2004-05	2009-10	2011-12
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Cereal	18.0	15.6	12.0	10.1	9.1	7.3
Gram	0.1	0.2	0.2	0.1	0.1	0.1
Cereal substitutes	0.1	0.1	0.1	0.0	0.0	0.1
Pulses & products	3.1	3.7	3.1	2.1	2.7	2.1
Milk & products	8.5	8.6	9.1	7.9	7.8	7.8
Edible oil	4.6	3.7	3.8	3.5	2.6	2.7
Egg fish & meat	3.3	3.5	3.6	2.7	2.7	2.8
Vegetables	6.1	6.2	4.8	4.5	4.3	3.4
Fruits & nuts	1.9	1.6	1.9	2.2	2.1	2.3
Sugar	2.4	2.4	1.8	1.5	1.5	1.2
Salt & spices	2.5	2.4	2.4	1.7	1.5	1.7
Beverages, etc.	4.5	5.6	5.8	6.2	6.3	7.1
Food Total	55.0	53.6	48.6	42.5	40.7	38.6
Pan, 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
Non-food Total	45.0	46.4	51.4	57.5	59.3	61.5
Total expenditure	100.0	100.0	100.0	100.0	100.0	100.0

Note: Figures may not tally due to rounding off.

Source: NSSO, M/O Statistics & Programme Implementation, Key Indicators of Household Consumer Expenditure NSSO 68th Round Survey (July'11 - June'12).



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 (1)	Estimated Number of Rural Households ('00) (2)	Estimated Number of Agricultural Households ('00) (3)	Agricultural Households as percentage of rural households (%) (4)	Estimated Number of Agricultural Households having loan ('00) (5)	% of Agricultural Households indebted (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

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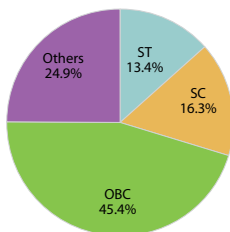




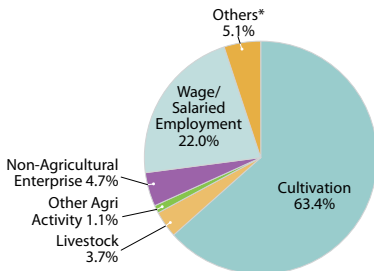
State	Estimated Number of Rural Households ('00)	Estimated Number of Agricultural Households ('00)	Agricultural Households as percentage of rural households (%)	Estimated Number of Agricultural Households having loan ('00)	% of Agricultural Households indebted
(1)	(2)	(3)	(4)	(5)	(6)
Meghalaya	4721	3544	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
Uttaranchal	16498	10608	64.3	5387	50.8
West Bengal	141359	63624	45.0	32787	51.5
UTs	2394	718	30.0	267	37.2
All India	1561442	902011	57.8	468481	51.9

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

Source: NSSKI (70/33); Key Indicators of Situation of Agricultural Households in India.

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

Source: Key Indicators of Situation of Agricultural Households in India, NSS- 70th Round (Jan-Dec 2013).

Chart 11(b)**Percentage Distribution of Agricultural Households by principal source of income**

* Others' include pension and remittance also.

Source: Key Indicators of Situation of Agricultural Households in India, NSS- 70th Round (Jan-Dec 2013).



Table 11.2 Indebtedness of Agricultural Households (all-India)
in Different Size Classes of Land Possessed

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

Source : NSS KI (70/33), Key Indicators of Situation of Agricultural Households in India.

Table 11.3 Incidence of Indebtedness in Major States

State	Estimated Number of Indebted Agricultural Households	% to Total Indebted Agricultural Households	% Share in Total Foodgrains (2013-14)	
			Area	Production
(1)	(2)	(3)	(4)	(5)
Uttar Pradesh	79081	16.9	16.05	18.9
Maharashtra	40672	8.7	9.22	5.26
Madhya Pradesh	27414	5.9	11.85	9.15
Rajasthan	40055	8.5	10.64	6.91
Karnataka	32775	7.0	5.95	4.6
Andhra Pradesh*	33421	7.1	6.04	7.59
Telangana*	22628	4.8	#	#
Bihar	30156	6.4	5.29	4.97
West Bengal	32787	7.0	4.95	6.44
Punjab	7499	1.6	5.2	10.92
Odisha	25830	5.5	4.09	3.15
Other States/UTs	96163	20.5	20.72	22.11
All India	468481	100	100	100

*Separate estimates for the newly formed States of Telangana and Andhra Pradesh are provided in place of erstwhile State of Andhra Pradesh, # separate figure for Telangana is not available, Telangana share is included in Andhra Pradesh figure.

Source: NSSKI(70/33): Key Indicators of Situation of Agricultural Households in India.



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 Household (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)
U.P.	77.2	13.4	7.1	2.1	0.2
Maharashtra	35.6	29.3	22.8	11.6	0.7
M.P.	42.3	27.4	21.4	7.5	1.3
Rajasthan	50.9	18.3	16.8	12.1	1.9
Karnataka	52	24.4	14.8	7.4	1.3
A.P.*	52.2	23.9	16.1	6.9	0.9
Telangana*	51	23.6	19.6	5	0.9
Bihar	86.7	10	2.6	0.7	0
West Bengal	91.1	7.4	1.4	0.1	0
Punjab	46.2	15.9	17.9	17.6	2.4
Odisha	78.7	15.2	4.3	1.8	0.1
All India	63.6	18.4	12	5.4	0.6

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

Source: NSS 70th round SAS Survey.

Table 11.5 Average monthly expenses and receipts for crop Production per agricultural household for major States during July' 2012-June'13

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

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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)
Maharashtra	2654	6675	959	68051
Odisha	1001	2438	979	43999
Punjab	11768	28117	664	9357
Rajasthan	1730	5192	906	58705
Tamil Nadu	2538	5012	775	25148
Telangana	4267	8666	961	24397
Uttar Pradesh	1790	4912	914	165029
West Bengal	1819	2836	962	61206
All India	2192	5542	920	829485

Source: Key Indicators of Situation of Agricultural Households in India, NSS- 70th Round (Jan-Dec 2013).

Table 11.6 Average monthly expenses and receipts for farming of animals per agricultural household for major States during Jul' 2012- Jun'13

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

Source: Key Indicators of Situation of Agricultural Households in India, NSS- 70th Round (Jan-Dec 2013).



12

Demand-Supply Projections



Table 12.1**Projected Demand and Supply of Food Commodities
for the 12th Plan period****(in million tonnes)**

Crop/Group of Crops	Projected Demand		Projected Supply	Actual Production	
	2016-17	2020-21	2016-17	2006-07	2011-12
(1)	(2)	(3)	(4)	(5)	(6)
Rice	110	117	98-106	93	104*
Wheat	89	98	93-104	76	94*
Maize	19	22		15	22*
Coarse Cereals	36	38	42-48	34	42*
Cereals	235	253	240-251	203	240*
Pulses	22	25	18-21	14	17*
Foodgrains	257	277	258-272	217	257*
Oilseeds/ Edible oils	59	71	33-41	24	30*
Sugarcane/ Sugar	279	312	365-411	355	358*
Vegetables	161	189		116	147**
Fruits	97	124		59	75**
Milk	141	173		103	122**
Fish	11			6.9	8.3**
Meat, other than poultry	3.7	5.0		2.3	2.7**
Poultry Meat	3.3	4.3			2.2 @

* 4th advance estimate for 2011-12

** Production for the year 2010-11

@ Production 2010-11 for only commercial poultry meat.

Source: 12th Plan Document, Planning Commission.

Table 12.2 Average Annual Growth Rate of Production of Selected Food Commodities in India: Actual Production Trends in 2008–12 and Projections

Commodities	Average (% YoY)	OECD/ FAO Projections, June 2013			Medium Term Outlook by NCAER
	2008-12 Actual	2014-17	2018-22	2014-22	2012-2020
(1)	(2)	(3)	(4)	(5)	(6)
Wheat	3.34	2.68	2.61	2.64	1.31-1.69
Rice	1.77	1.22	0.91	1.05	2.47-2.62
Coarse grains	0.76	1.64	3.7	2.78	1.27-2.96
Oilseeds	1.85	0.8	1.98	1.45	4.47-4.75
Vegetable Oils	3	1.56	1.98	1.79	NA
Sugarcane	0.13	3.52	-0.7	1.18	3
Sugar	2.7	4.66	1.04	2.65	NA

NA: Not Available

Note: Actual growth rates are obtained from official statistics; projected growth rates are from OECD-FAO Global Agricultural Outlook (June 2013) and NCAER's Medium-term Agricultural Outlook Report (February, 2013). In the case of sugarcane, the NCAER projections were for the period 2012–2017. No projections were made in the NCAER report for vegetable oils and sugar.



Table 12.3 Production, Consumption & Year-end Stocks Projections of Major Crops

Commodity	Agency	Production			Consumption			Stocks (Year-end)		
		2013	2017	2021	2013	2017	2021	2013	2017	2021
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Wheat	FAO/OECD	85,364	85,598	88,739	86,380	88,901	91,602	15,070	14,172	14,759
	USDA	84,750	89,193	93,476	84,772	89,137	93,456	11,881	8,799	6,799
Rice	FAO/OECD	106,191	1,123,088	118,507	101,972	108,352	113,176	19,364	16,717	14,991
	USDA	101,676	106,318	110,376	96,862	102,146	106,995	25,688	24,699	20,038
Maize	USDA	22,167	24,360	26,861	20,226	22,410	24,822	608	694	793
Soyabean	USDA	10,957	11,518	12,314	10,944	11,509	12,305	265	264	260
Sugar	FAO/OECD	26,779	28,332	29,348	25,855	28,510	31,813	10,877	11,195	11,323

Source: Agricultural Outlook & Situation Analysis Report (Semi-Annual Medium Term), February 2013, NCAER.

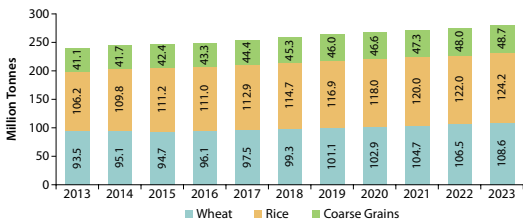
Table 12.4 Production Projections of Potatoes and Onion

Commodity	Production	2012	2013	2017	2020
		(2)	(3)	(4)	(5)
Potato	Production (MMT)		37.2	38.5	50.5
	India share in world %		11.4	11.8	15.4
Onion	Production (MMT)		17.0	16.7	20.3
	India share in world %		19.8	18.7	19.6

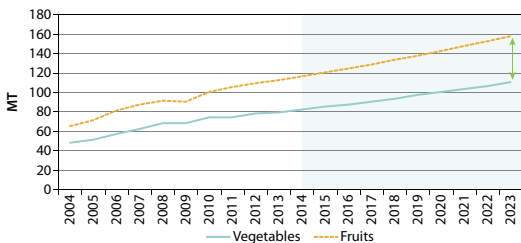
Note: There are no global medium-term projections for potato and onions. Projections here are made by NCAER using the FAO data on global area, production and yield of these commodities (2000–2010) and applying a trend growth rate.

Source: Agricultural Outlook & Situation Analysis Report (Semi-Annual Medium Term), February 2013, NCAER.



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

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

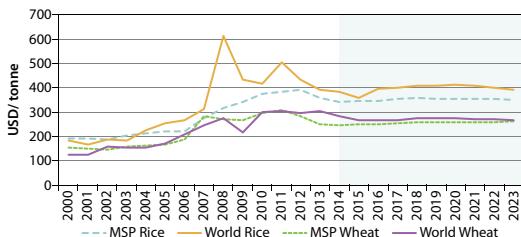
Chart 12 (b)**Projected Production of Vegetables and Fruits in India**

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



Chart 12(c)

Projected Market Support Prices in India and World Prices for Rice and Wheat



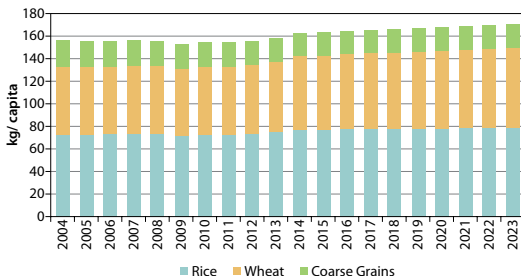
Note: Minimum Support Price (MSP) for paddy rice is adjusted to milled basis.

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

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

Chart 12(d)

Projected Per capita Consumption of Cereals in India



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



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

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



13

Imports & Exports of Agricultural Products

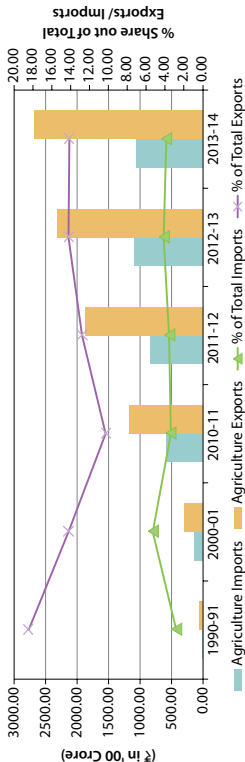


Table 13.1 India's Imports and Exports of Agricultural Commodities

Year	Agriculture Imports	Total National Imports	% age Agriculture Imports to Total National Imports	Agriculture Exports	Total National Exports	% age Agriculture Exports to Total National Exports
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1990-91	1205.86	43170.82	2.79	6012.76	32527.28	18.49
2000-01	12086.23	228306.64	5.29	28657.37	201356.45	14.23
2010-11	57334.32	1683466.96	3.41	117483.61	1142921.92	10.28
2011-12	82819.15	2345463.24	3.53	187609.33	1465959.39	12.80
2012-13	109610.68	2669161.96	4.11	232041.11	1634318.84	14.20
2013-14 (P)	105149.00	2714181.50	3.87	268469.05	1894181.95	14.17

P: Provisional, Source: Director General of Commercial Intelligence & Statistics, Ministry of Commerce, Kolkata.

Chart 13(a) Trends in Agricultural Imports/ Exports and share out of Total National Imports/ Exports



Source: Director General of Commercial Intelligence & Statistics, Ministry of Commerce, Kolkata.



Table 13.2 India's Imports of Agricultural Products

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

Commodity	2012-13		2013-14 (P)	
	Quantity	Value	Quantity	Value
(1)	(2)	(3)	(4)	(5)
Pulses	3839.30	12733.70	3049.29	10550.97
Wheat	2.94	6.03	11.27	26.92
Rice	0.72	3.96	1.44	8.29
Other Cereals	45.58	111.01	22.34	99.32
Cereal Preparation	51.56	346.17	57.2	404.29
Milk & Cream	5.34	107.20	8.21	153.51
Cashew Nuts	892.37	5331.74	771.36	4563.99
Cashew shelled	6.15	102.17	4.98	103.81
Fruits & Nuts Excluding Cashew Nuts		6297.93		7777.79
Spices	157.64	2615.14	148.49	3430.56
Sugar	1122.26	3094.38	880.96	2286.86
Oil Seeds		406.07		973.55
Vegetable Oils Fixed (Edible)	11013.73	61106.59	10434.21	56488.51
Vegetable & Animal fats	1.16	37.04	0.9	28.98
Cotton (Raw & Waste)	232.55	2466.74	177.71	2371.14
Jute (Raw)	148.73	370.79	52.65	146.25
Tea	22.30	274.52	21.16	280.08
Wood & Wood Products		14199.51		15454.17
Total Agricultural Imports		109610.68		105149
Total National Imports		2669161.96		2714181.5
% Share of Agricultural Import in				
National Exports		4.11		3.87

P: Provisional

Source: Director General of Commercial Intelligence & Statistics, Ministry of Commerce, Kolkata.

Table 13.3 India's Exports of Agricultural Products

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

Commodity	2012-13		2013-14 (P)	
	Quantity	Value	Quantity	Value
(1)	(2)	(3)	(4)	(5)
Pulses	201.70	1280.00	343.49	1737.00
Rice Basmati	3459.89	19409.39	3757.36	29300.12
Rice (Other than Basmati)	6688.00	14448.81	7018.53	17493.16
Wheat	6514.82	10529.00	5559.83	9257.11
Other Cereals	5441.31	8180.61	4609.24	7132.37
Tea	268.80	4718.79	247.62	4831.80
Coffee	254.02	4711.07	253.92	4797.14
Tobacco Unmanufactured	230.41	3815.76	237.08	4782.63
Tobacco Manufactured		1214.47		1351.09
Dairy Products		1768.77		3763.08
Floriculture Products		423.45		455.89
Spices	1008.86	15364.97	1029.31	15981.42
Cashewnut Shell Liquid	9.19	29.84	9.48	38.61
Cashew	104.04	4067.21	120.49	5095.89
Sesamum Seed	299.48	2880.85	257.44	3583.46
Nigerseed	17.90	90.13	20.84	113.61
Groundnut	535.64	4065.36	511.66	3212.06
Guargum Meal	406.31	21287.00	601.74	11734.03
Oil Meals	6578.18	16519.53	6564.05	17034.43
Castor Oil	565.99	4309.82	544.82	4364.33
Shellac	3.60	401.74	7.60	504.30
Sugar	2794.49	8576.63	2459.61	7125.69
Molasses	342.15	223.03	211.64	147.28
Fruits/Vegetable Seeds	17.17	347.72	17.18	402.78
Fresh Fruits		3295.12		4364.26
Fresh Vegetables		3288.33		5117.48

Contd...



Commodity	2012-13		2013-14 (P)	
	Quantity	Value	Quantity	Value
(1)	(2)	(3)	(4)	(5)
Processed Vegetables		1119.66		1316.62
Processed Fruit Juices		1968.77		2556.33
Miscellaneous Processed Items		4962.66		6881.89
Meat & Preparations		17903.20		27246.91
Marine Products	965.10	18841.20	999.19	30616.62
Cotton Raw including Waste	2056.69	20276.51	1940.74	22248.48
Jute Hessian		876.68		843.18
Poultry Products		460.13		509.41
Paper/Wood products		10384.94		12528.63
Total Agricultural Exports		232041.11		268469.05
Total National Exports		1634318.84		1894181.95
% Share of Agricultural Exports in National Exports		14.20		14.17

P: Provisional

Source: DGCIS, Ministry of Commerce, Kolkata.



14

International Comparisons



Table 14.1 India's Position in World Agriculture in 2012

Item	India	World	% Share	India's Rank	Next to
(1)	(2)	(3)	(4)	(5)	(6)
1. Total Area (Million ha)	329	13442	2.4	Seventh	Russian Federation, Canada, USA, China, Brazil, Australia
Land Area	297	13009	2.3	Seventh	Russian Federation, China, USA, Canada, Brazil, Australia
Arable Land	159	1411	11.3	Second	USA
2. Total Population (Million)	1241	6909	18.0	Second	China
Agriculture	661	2617	25.2	Second	China
3. Economically Active Population (Million)					
Total	491	3282	15.0	Second	China
Agriculture	267	1310	20.4	Second	China
4. Crop Production (Million Tonnes)					
(A): Total Cereals	260	2458	10.6	Third	China, USA
Wheat	86	701	12.3	Second	China
Rice (Paddy)	157	722	21.7	Second	China
Total Pulses	17	67	25.5	First	
(B): Oilseeds					
Groundnut (in shell)	7	38	18.2	Second	China
Rapeseed	8.1	59.0	13.7	Third	Canada, China
5. Fruits & Vegetables (Million Tonnes)					
(A): Vegetables & Melons	105	1090	9.6	Second	China
(B): Fruits excluding Melons	74	637	11.6	Second	China
(C): Potatoes	42	373	11.3	Second	China
(D): Onion (Dry)	15	86	17.4	Second	China
6. Commercial Crops (Million Tonnes)					
(A): Sugarcane	342	1800	19.0	Second	Brazil

Contd...



Item	India	World	% Share	India's Rank	Next to
(1)	(2)	(3)	(4)	(5)	(6)
(B) : Tea	0.96	4.7	20.6	Third	China, Turkey
(C) : Coffee (green)	0.30	8.45	3.6	Seventh	Brazil, Vietnam, Colombia, Indonesia, Ethiopia, Mexico
(D) : Jute & Jute like Fibres	1.96	3.58	54.7	First	
(E) : Cotton (lint)	8.50	26.14	32.5	Second	China
(F) : Tobacco Leaves	0.83	7.37	11.3	Third	China, Brazil
7. Livestock (Million Heads)					
(A) : Cattle	210	1430	14.7	Second	Brazil
(B) : Buffaloes	111	194	57.3	First	
(C) : Camels	0.45	25	1.8	Tenth	Somalia, Sudan, Ethiopia, Niger, Mauritania, Kenya, Mali, Pakistan, Chad
(D) : Sheep	74	1078	6.9	Third	China, Australia
(E) : Goats	154	910	16.9	Second	China
(F) : Chicken	774	19571	4.0	Fifth	China, USA, Indonesia, Brazil
8. Animal Products					
(A) : Total Milk (000 MT)	121847	723143.305	16.8	First	
(B) : Eggs Total (000 MT)	3378.1	69102.734	4.9	Third	China, USA
(C) : Total Meat (000 MT)	6190	295462	2.1	Fifth	China, USA, Brazil, Germany
9. Implements					
Agricultural Tractors-in-use*	3149	29320	10.7	Second	USA

* Figure relates to 2007.

Source: FAO Statistics.



Table 14.2**Global Comparison of Area, Production and Yield of Principal Crops (2012)****Area (000 ha), Production (000 Tonnes), Yield (kg/ha)**

Country	Area	Production	Yield	Production (%)
(1)	(2)	(3)	(4)	(5)
1. Paddy				
World	162317.21	738187.64	4547.81	100.00
China	30397.76	205936.23	6774.72	27.90
India	42410.00	157800.00	3720.82	21.38
Indonesia	13445.52	69056.13	5135.99	9.35
Bangladesh	11423.00	50497.00	4420.64	6.84
Vietnam	7753.16	43661.57	5631.45	5.91
2. Wheat				
World	217319.74	671496.87	3089.90	100.00
China	24270.36	121029.86	4986.74	18.02
India	29860.00	94880.00	3177.49	14.13
USA	19797.64	61677.39	3115.39	9.19
Russian Federation	21277.90	37719.64	1773.00	5.62
Australia	13500.00	29905.01	2215.15	4.45
3. Maize				
World	178551.62	872791.60	4888.18	100.00
USA	35359.44	273820.07	7743.90	31.37
China	35046.45	205718.65	5869.89	23.57
Brazil	14198.50	71072.81	5005.66	8.14
India	8710.00	22260.00	2555.68	2.55
Mexico	6923.90	22069.25	3187.40	2.53
Argentina	3696.30	21196.64	5734.56	2.43
4. Sugarcane				
World	26094.63	1842266.28	70599.45	100.00
Brazil	9705.39	721077.29	74296.60	39.14
India	5090.00	361037.00	70930.65	19.60

Contd...

Country	Area	Production	Yield	Production (%)
(1)	(2)	(3)	(4)	(5)
China	1802.72	124038.02	68806.04	6.73
Thailand	1282.08	98400.00	76750.28	5.34
Pakistan	1046.00	58397.00	55828.87	3.17
5. Groundnut (in shell)				
World	24590.73	40475.31	1645.96	100.00
China	4719.43	16856.85	3571.80	41.65
India	4770.00	4695.00	984.28	11.60
Nigeria	2420.00	3071.00	1269.01	7.59
USA	650.74	3057.85	4699.03	7.55
Myanmar	880.00	1371.50	1558.52	3.39

Source: FAO Statistics (accessed on 10.09.2014).



Table 14.3 Major Macro-Economic Indicators of India, G-20 and the World in 2012

Country	Area (sq km) 2010	Population (Millions)	GDP Billions (US\$)	Domestic Product Per Capita Income (US\$)	Purchasing Power in Billions US \$
(1)	(2)	(3)	(4)	(5)	(6)
Argentina	2766890	41.03	474.81	11572.76	746.93
Australia	7686850	22.68	1542.06	67982.74	960.72
Brazil	8511965	196.53	2425.05	12339.58	2365.88
Canada	9976140	34.83	1770.08	50826.05	1445.53
China	9596960	1353.82	8250.24	6094.05	12382.56
France	547030	63.42	2580.42	40689.93	2252.54
Germany	357021	81.78	3366.65	41167.55	3194.20
India	3287590	1223.17	1946.77	1591.57	4710.81
Indonesia	1919440	244.47	894.85	3660.42	1211.96
Italy	301230	60.90	1980.45	32521.96	1833.95
Japan	377835	127.61	5984.39	46895.74	4616.88
Mexico	1972550	114.87	1162.89	10123.35	1757.58
Russia	17075200	141.92	1953.56	13764.78	2511.71
Saudi Arabia	1960582	28.79	657.05	22822.82	740.53
South Africa	1219912	51.20	390.92	7635.57	578.64
Republic of Korea	98480	50.01	1151.27	23020.91	1621.87
Turkey	780580	74.89	783.06	10456.89	1125.42
United Kingdom	244820	63.07	2433.78	38591.46	2316.25

Contd...



Country	Area (sq km) 2010	Population (Millions)	GDP Billions (US\$)	Domestic Product Per Capita Income (US\$)	Purchasing Power in Billions US \$
(1)	(2)	(3)	(4)	(5)	(6)
USA	9629091	314.31	15653.37	49802.15	15653.37
European Union	4324782	503.82	16414.48	32028.88*	16073.55
World	510072000	7017.54	71277.37	10157.03	82762.15

*GDP in case of EU is based on PPP (Current International Dollars).

Source: Statistical Year Book India-2013, Ministry of Statistics & Programme Implementation.

Table 14.4 Major Macro Economic, Land-Use and Social Indicators of BRICS Economies in 2012

Indicators	Brazil	Russia	China	India	South Africa
(1)	(2)	(3)	(4)	(5)	(6)
Macro-Economic Indicators					
Total Population (Million)	199.24	143.30	1354.04	1227.19	52.28
Urban Population (% of Total)	85.00	74.00	52.00	32.00	63.00
Share in World Exports (%)	1.30	2.90	11.10	1.60	0.50
GDP in PPP (US \$ Billion)	2896.46	3396.21	14774.38	6357.54	640.78
GDP (US \$ Billion)	2247.75	2017.47	8386.68	1858.75	382.34
Per Capita GDP (US \$) 2012	11281.48	14078.64	6193.82	1514.63	7314.01
Land Use Indicators					
Land Area (Million ha)	835.81	1637.69	942.47	297.32	121.31

Contd...



Indicators	Brazil	Russia	China	India	South Africa
(1)	(2)	(3)	(4)	(5)	(6)
Arable Land Area (Million ha)	72.61	119.75	106.52	156.20	12.00
Irrigated Land (Million ha)	5.40	4.30	69.39	66.70	1.67
Irrigated Land (% of arable land)	7.44	3.59	65.14	42.70	13.92
Area Harvested for Cereals (Million ha)	19.61	36.99	92.90	97.10	3.87
Production of Cereals (Million Tonnes)	89.91	68.77	541.16	293.29	14.27
Major Health Indicators					
Health expenditure per capita (current US\$)	1056.00	887.00	322.00	61.00	645.00
Health expenditure, public (% of GDP)	4.30	3.80	3.00	1.30	4.20
Health expenditure, total (% of GDP)	9.30	6.30	5.40	4.00	8.80
Life expectancy at birth, total (years)	74.00	70.00	75.00	66.00	56.00
Mortality rate, infant (per 1,000 live births)	13.00	9.00	12.00	43.00	34.00
Labor and Social Protection Indicators					
Age dependency ratio, young (% of working-age population)	36.00	22.00	25.00	45.00	45.00
Birth rate, crude (per 1,000 people)	15.33	12.60	11.93	21.00	21.32
Population growth (annual %)	0.90	0.20	0.50	1.30	1.30
Labor participation rate, total (% of total population ages 15+)	70.00	64.00	71.00	54.00	52.00
Unemployment, total (% of total labor force)	6.10	5.50	4.50	3.60	25.00

Source: 1. IMF, *World Economic Outlook Database*, Oct 2014.

2. World Bank, *World Development Indicators*, 2014.

3. World Bank, *International Trade Statistics*, 2013.

4. FAO Statistics.



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

Indicator Name	China			India		
	2011	2012	2013	2011	2012	2013
(1)	(2)	(3)	(4)	(5)	(6)	(7)
GDP growth (annual %)	9.30	7.70	7.70	6.60	4.70	5.00
Population growth (annual %)	0.48	0.49	0.50	1.28	1.26	1.20
Arable land (% of land area)	11.96	11.30	...	52.92	52.5	...
Agricultural land (sq km)	5191482	5145530	...	1797990	1793000	...
Agricultural land (% of land area)	55.66	54.80	...	60.47	60.3	...
Agricultural irrigated land (% of total agricultural land)	...	...	...	...	...	...
Agriculture, value added (% of GDP)	10.05	10.00	10.00	18.00	18.00	18.00
Agricultural methane emissions (% of total)	...	...	...	...	...	...
Fertilizer consumption (kilograms per ha of arable land)	558.30	647.60	...	177.90	163.70	...
Inflation, consumer prices (annual %)	5.41	2.65	2.60	8.86	9.31	10.90
Land-Use Indicators						
Area Harvested (Million ha)	Wheat	24.27	24.27	24.10	29.07	29.65
	Rice (Paddy)	30.31	30.40	30.49	43.97	43.50*
	Maize	33.56	35.05	35.28	8.78	9.50*
	Soyabean	7.89	6.75	6.60	10.18	12.20*
Production (Million Tonnes)	Wheat	117.41	121.03	121.73	86.87	94.88
	Rice (Paddy)	202.67	205.94	205.02	157.90	157.80
	Maize	192.90	205.72	217.83	21.76	22.26
	Soyabean	14.49	13.05	12.50	12.21	14.67

* Unofficial figure.

Note: Figures for China pertain to China Mainland only.**Source:** FAO Statistics and World Development Indicators 2014, World Bank.

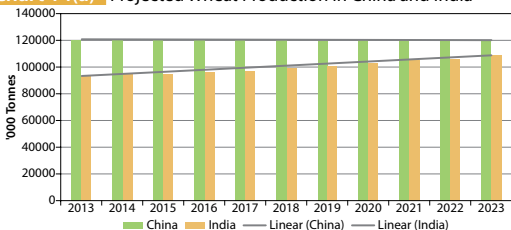
Table 14.6 Inflation (Consumer prices) in Major Economies (Annual %)

Country	2010	2011	2012	2013
(1)	(2)	(3)	(4)	(5)
Australia	2.8	3.4	1.8	2.4
Bangladesh	8.1	10.7	6.2	7.5
Brazil	5.0	6.6	5.4	6.2
Canada	1.8	2.9	1.5	0.9
Switzerland	0.7	0.2	-0.7	-0.2
China	3.3	5.4	2.7	2.6
Germany	1.1	2.1	2.0	1.5
Euro area	1.5	3.3	2.5	1.4
European Union	1.7	3.3	2.7	1.4
United Kingdom	3.3	4.5	2.8	2.6
Hong Kong SAR, China	2.3	5.3	4.1	4.4
Indonesia	5.1	5.4	4.3	6.4
India	12.0	8.9	9.3	10.9
Italy	1.5	2.7	3.0	1.2
Japan	-0.7	-0.3	0.00	0.4
Mexico	4.2	3.4	4.1	3.8
OECD Members	1.8	3.3	2.5	1.4
Pakistan	13.9	11.9	9.7	7.7
Russian Federation	6.9	8.4	5.1	6.8
South Asia	9.1	9.2	9.4	8.0
Singapore	2.8	5.3	4.5	2.4
United States	1.6	3.2	2.1	1.5
World	3.6	5.0	3.7	2.6

Source: World Bank.

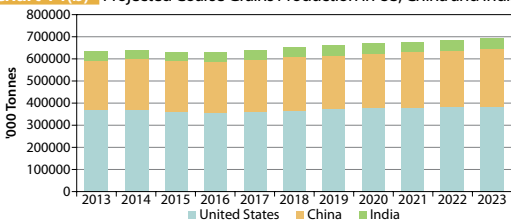


Chart 14(a) Projected Wheat Production in China and India



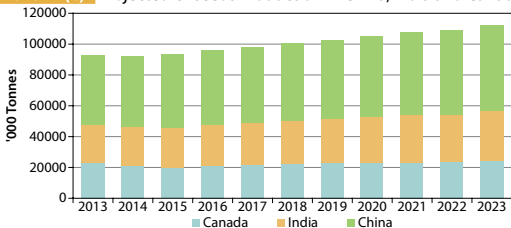
Source: OECD- FAO Agriculture Outlook 2014-23.

Chart 14(b) Projected Coarse Grains Production in US, China and India



Source: OECD- FAO Agriculture Outlook 2014-23.

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



Note: Oilseeds include soybeans, sunflower and rapeseed/canola. Year beginning 1st October.

Source: OECD- FAO Agriculture Outlook 2014-23.



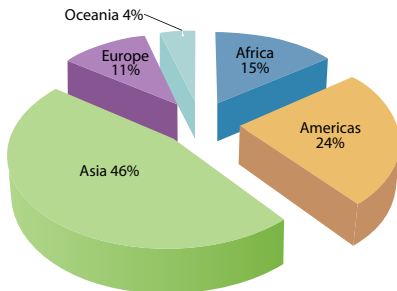
15

Agricultural Emissions



Chart 15 (a)

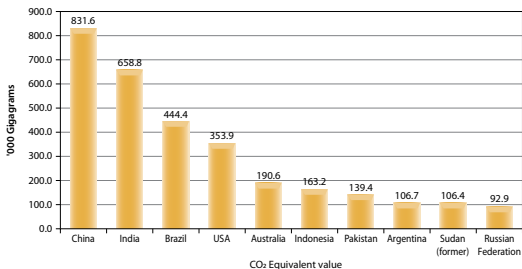
All GHG Emission from Agriculture sector by major Continents in 2012 (CO₂ equivalent)



Source: FAO Statistics.

Chart 15 (b)

Total GHG Emissions from Agriculture Sector in Major Countries in 2012



Source: FAO Statistics.



Appendices



A.1 Explanatory Notes

Advance Estimates

The estimates of area, production and yield rates for 2013-14 are “Advance Estimates” as on 14-08-2014 and are based on deliberations held in weekly inter-disciplinary meetings of Crop Weather Watch Group, availability of water in important reservoirs in the country, availability/supply of important inputs including credit to farmers community, feed back 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 from states to DES.

Yield

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

Principal Crops

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

Estimation Procedure for Non-Availability of Data for 2013-14

The index numbers of area, production and yield rate for 2013-14 (from where growth rates have been derived) are based on advance estimates of principal crops as on 14-08-2014. However, there are a number of ‘non-forecast’ crops such as plantation crops, cardamom and spices for which no advance estimates for 2013-14 (or for that matter any year) are prepared. In such cases, the estimates of area and production for the previous years are repeated for the purpose of index numbers.

Nine Oilseeds

Wherever “Nine oilseeds” is mentioned in this publication, it includes Castor seed, Groundnut, Linseed, Nigerseed, Safflower, Sesamum, Soyabean, Sunflower and Rapeseed & Mustard.



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	Conversion Factor
(1)	(2)
Rice (Cleaned) Production	2/3 of Paddy Production
Cotton	
Cotton Lint Production	1/3 of Kapas Production
Cotton Seed Production	2/3 of Kapas Production
	2 Times of Cotton Lint Production
Jute	
100 Yards of Hessian	54 lbs. of Raw Jute
4148 Yards of Hessian	1 Ton of Raw Jute
	5.55 Bales of Raw Jute (of 180 kg Each)
1 Ton of Sacking	1.11 Tons of Raw Jute 6.17 Bales of Raw Jute (of 180 kg Each)
1 Ton of Hessian	1.05 Tons of Raw Jute
Sacking etc.	5.85 Bales of Raw Jute (of 180 kg Each)

Contd...



Commodity (1)	Conversion Factor (2)
Groundnut	
Kernel to Nuts in Shell	70 Percent
Oil to Nuts in Shell	28 Percent
Oil to Kernels Crushed	40 Percent
Cake to Kernels Crushed	60 Percent
Sesamum	
Oil to Seeds Crushed	40 Percent
Cake to Seeds Crushed	60 Percent
Rapseed and Mustard	
Oil to Seeds Crushed	33 Percent
Cake to Seeds Crushed	67 Percent
Linseed	
Oil to seeds Crushed	33 Percent
Cake to Seeds Crushed	67 Percent
Castorseed	
Oil to Seeds Crushed	37 Percent
Cake to Seeds Crushed	63 Percent
Cotton Seed	
Oil to Seeds Crushed	14 to 18 Percent
Cake to Seeds Crushed	82 to 86 Percent
Coconut	
Copra to Nuts	One Ton of Copra = 6773 Nuts
Oil to Copra Crushed	62 Percent
Cake to Copra Crushed	38 Percent
Nigerseed	
Oil to Seeds Crushed	28 Percent
Cake to Seeds Crushed	72 Percent
Kardi Seed	
Oil to Seeds Crushed	40 Percent
Cake to Seeds Crushed	60 Percent
Mahua Seed	
Oil to Seeds Crushed	36 Percent

Contd...



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

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



A. 3 General Seed Rate of Sowing for Important Field Crops*

kg/ha.

Crop (1)	Others Varieties (2)	Hybrid (3)
Cereal Crops		
Rice		
Direct sowing	75-100	-
Transplanting	50-75	15
Wheat	100-125	-
Maize	20	15
Barley	100	-
Jowar	12-15	7.5
Bajra	5	5
Ragi	5	-
Sorghum	8-10	8-10
Pulses		
Gram	75-100	-
Tur(Arhar)	10	10
Green Gram	(Kharif) 15-20, (Rabi) 25-30 & (Summer) 30-35	-
Black Gram	(Kharif) 15-20, (Rabi) 25-30 & (Summer) 30-35	-
Lentil	50-60	-
Peas	80-100	-
Chickpea (Desi)	65-75	-
Chickpea (Kabuli)	100-120	-
Pigeonpea	15-20	-
Rajmash	75-100	-
Moth	15-18	-
Kulthi	22-30	-
Oilseed		
Groundnut	90-110	-
Rape/Mustard	5	3.5
Soyabean	75-85	-
Til (Sesamum)	5	-
Castor	6	5
Sunflower	6	5
Safflower	10 - 12	8 -10
Linseed	25-30 & Linseed (DP) 40-45	-
Niger	5-Aug	-

Contd...



Crop	Others Varieties	Hybrid
(1)	(2)	(3)
Cotton	7.5	2.5
Jute	8-10	-
Mesta	12-5	-
Sunhemp	25	-
Foder Crops		
Jowar	20-25	12
Barseem	20-25	-
Lucern	7.5	-
Oats	62.5	-
Maize	25	-
Others		
Sugarcane	5500-6000 35000-40000 setts with 3- buds)	-

* The quantity of seed may vary according to variety (duration), seed size, recommended spacing, method of sowing, agro - climatic conditions and cropping system.

A. 4 Major Economic Groups/ Institutions

Group/ Institution	Member Countries
South Asian Association for Regional Cooperation (SAARC)	Afghanistan, Bangladesh, Bhutan, India, Maldives, Nepal, Pakistan, Sri Lanka
Association of Southeast Asian Nations (ASEAN)	Brunei Darussalam, Cambodia, Indonesia, Lao PDR, Malaysia, Philippines, Singapore, Thailand, Vietnam
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
Group of Eight (G-8)	Canada, France, Germany, Italy, Japan, Russia, United Kingdom, USA, European Union*
BRICS Economies	Brazil, Russian Federation. India, China, South Africa

* 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.





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