



POCKET BOOK ON AGRICULTURAL STATISTICS 2013

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



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India Climatic Zone Map

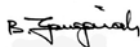


PREFACE

The Pocket book on Agricultural Statistics 2013 is intended as a quick reference guide for essential data frequently used by the policy makers and officers of the Ministry of Agriculture and related agencies. Data for this pocket book is largely derived from the Flagship Publication of the Directorate of Economics and Statistics "Agricultural Statistics at A Glance" published every year and used widely by policy makers, academicians and researchers. The need for this pocket book is felt due to the fact that over the years accumulation of large data on a number of variables related to agriculture 'The Glance' has become large in size making it difficult to carry for all meetings and conferences. Considering this it was felt that a pocket book containing the essential data for the most recent years which are used frequently by the Policy makers/officials of the Ministry may be useful.

This Pocket book is designed as a user-friendly product for quick access to key data frequently required by the officials of Ministry of Agriculture. In addition to the key data from "At a Glance" we have also added other useful data including data including data on G20, BRICS and other international aspects.

Suggestions for improvement are most welcome



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Acronyms

AAV	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
Kgs	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 Organisation
Y	Yield (Index Number of Yield) per hectare

1

Socio-Economic Indicators



Table 1.1: Selected Economic and Social Indicators

Economic Indicators	Unit	1950-51	1980-81	2010-11	2011-12 (R)	2012-13 (P)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
GDP at factor cost (at current prices)	(₹Crore)	10036	132520	7266966	8353495	9461013
GDP at factor cost (at (2004-05) prices)	(₹Crore)	279618	641921	4937006	5243582	5505437
Per capita NNP at factor cost (at (2004-05) prices)	(₹)	7114	8594	36342	38037	39168
Gross Domestic Capital Formation (as percentage of GDP at current market prices)	(%)	9.3	19.9	36.8	35.0	na
Gross domestic savings (as percentage of GDP at current market prices)	(%)	9.5	18.5	34	30.8	na
Index of agricultural production (Base: T.E 2007-08=100 Onward 2007-08)		46.2	102.1	121.1	125.3	122.8
Index of Industrial Production (Base 2004-05 = 100) ^a		7.9 ^b	43.1	165.5	170.3	172.2
Wholesale Price Index average (Base:2004-05=100) ^c		6.8	36.8	143.3	156.1	167.6

Contd...

Economic Indicators	Unit	1950-51	1980-81	2010-11	2011-12 (R)	2012-13 (P)
Consumer Price Index for Industrial worker ^d		17.0	81.0	179.8	195.0	na
Output						
(a) Foodgrains	Mn. Tonnes	50.8	129.6	244.5	259.29	255.36 ^e
Foreign Trade						
(i) Exports	(₹Crore)	606	6711	1142922	1465959	1635261
	(US \$ million)	1269	8486	251136	305963.9	300571
(ii) Imports	(₹Crore)	608	12549	1683467	2345463	2673113
	(US \$ million)	1273	15869	369769	489319.5	491487
Foreign exchange reserves ^k	(₹Crore)	911	4822	1224883	1330511	1412630
	US \$ million	1914	5850	274330	260069	259726
Social Indicators						
Population	(Million)	359.0	679.0	434.0	541.0	679.0 ^r
Education: Literacy Rate	(%)	18.3	43.6	na	74.0	na

P: Provisional.

R: Revised estimates.

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 2007-08 onwards are on the new base. b: Relates to the calendar year 1950.

c: New series of WPI has been released from 2004-05 with base year 2004-05 =100. d: CPI-IW: New series is based on 2001 =100

e: 4th Advance Estimates. f: Includes main producers, majors and others.

g: Provisional. i: Relates to 1951-52, j: Revised estimates

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

r: Sample Registration Survey (SRS), Registrar General of India.

k: excluding gold, SDRs and Reserve Tranche Position at IMF

Source: Economic Survey 2012-13, Ministry of Finance and Handbook of Statistics on Indian Economy 2013, RBI



Table 1.2**Percentage Share of Gross Domestic Product (GDP) at Factor Cost at (2004-05) Prices**

Industry	1950-51	2010-11 [§]	2011-12*	2012-13**
(1)	(2)	(3)	(4)	(5)
I. Agriculture, forestry & fishing	51.9	14.5	14.1	13.7
agriculture	41.8	12.3	12.0	11.6
forestry & logging	14.3	1.4	1.4	1.3
fishing	1.0	0.7	0.7	0.7
II. Industry	16.2	28.2	27.5	26.7
mining & quarrying	1.8	2.2	2.1	2.0
manufacturing	9.0	16.2	15.7	15.1
elect. gas & water supply	0.3	1.9	1.9	1.9
construction	5.1	7.9	7.9	7.8
III. Services	29.5	57.3	58.4	59.6
Gross Domestic Product at factor cost	100.00	100.0	100.0	100.0

*First Revised Estimate

§-Second Revised Estimate.

**- Provisional

Source: Central Statistics Office

Table 1.3**Percentage Growth of Gross Domestic Product (GDP) at Factor Cost at (2004-05) Prices**

Industry	1950-51	2010-11 [§]	2011-12*	2012-13**
(1)	(2)	(3)	(4)	(5)
I. Agriculture, forestry & fishing	1.5	7.9	3.6	1.9
agriculture	1.6	8.8	3.9	1.7
forestry & logging	-0.2	2.2	2.4	2.5
fishing	6.2	5.4	1.8	4.0
II. Industry	8.5	9.2	3.5	2.1
mining & quarrying	12.3	4.9	-0.6	-0.6
manufacturing	3.2	9.7	2.7	1.0
elect. gas & water supply	11.6	5.2	6.5	4.2
construction	6.8	10.2	5.6	4.3
III. Services	2.8	9.8	8.1	6.6
Gross Domestic Product at factor cost	2.3	9.3	6.2	5.0

*First Revised Estimate

§-Second Revised Estimate.

**- Provisional

Source: Central Statistics Office

Table 1.4

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

(₹Crores)

Industry	2004-05	2010-11(\$)	2011-12*	2012-13 **
1. agriculture, forestry & fishing	565426	713477	739495	753610
Industry	829783	1393879	1442498	1472462
2. mining & quarrying	85028	108938	108249	107619
3. manufacturing	453225	801476	823023	831648
4. elect. gas & water supply	62675	92773	98814	102918
5. construction	228855	390692	412412	430277
Services	1576255	2829650	3061589	3279363
6. trade, hotels & restaurant	477303	832583	884389	965291
7. transport, storage & communication	250417	513077	555923	566743
8. financing, insurance, real estate & business services	437174	849632	948808	1030684
9. community, social & personal services	411361	634358	672469	716645
10. Gross Domestic Product at factor cost (1 to 9)	2971464	4937006	5243582	5505435
11. Total Net Domestic Product at factor cost	2651573	4364952	4618809	4823087
12. Net Factor Income from Abroad	-22375	-54757	-46734	-56333
13. NNP at Factor Cost	2629198	4310195	4572075	4766754
14. Per Capita NNP (in Rupees)	24143	36342	38037	39168

*-First Revised Estimate

\$-Second Revised Estimate.

**- Provisional

Source: Central Statistics Office



Table 1.5**Gross Domestic Product by Economic Activity (at Current Prices)**

(₹Crores)

Industry	2004-05	2010-11(\$)	2011-12*	2012-13 **
1. agriculture, forestry & fishing	565426	1306942	1466753	1644834
Industry	829783	2003304	2233183	2436502
2. mining & quarrying	85028	196092	201076	218910
3. manufacturing	453225	1080750	1202086	1279966
4. elect. gas & water supply	62675	131008	144817	170238
5. construction	228855	595454	685204	767388
Services	1576255	3956720	4654559	5379676
6. trade, hotels & restaurant	477303	1246965	1507110	1765851
7. transport, storage & communication	250417	527743	595449	644114
8. financing, insurance, real estate & business services	437174	1165901	1384481	1617397
9. Gross Domestic Product at factor cost (1 to 9)	2971464	7266966	8353495	9481013
11.Total Net Domestic Product at factor cost	2651573	6504166	7476765	8467606
12.Net Factor Income from Abroad	-22375	-81807	-76830	-99900
13.NNP at Factor Cost	2629198	6422359	7399935	8367706
14.Per Capita NNP (in Rupees)	24143	54151	61564	68757

*-First Revised Estimate

§-Second Revised Estimate.

**- Provisional

Source: Central Statistics Office

2

Outlays, Expenditure & Capital Formation

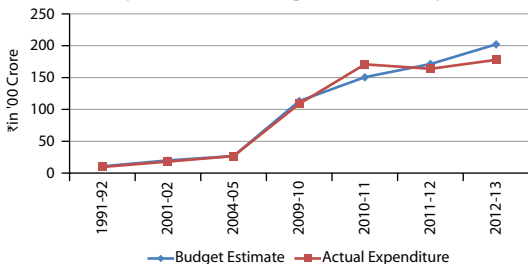


Table 2.1**Year-wise Expenditure of Department of Agriculture and Cooperation**

(₹ Crore)

Year	Budget Estimate	Revised Estimate	Actual Expenditure
1991-92	1041.35	1016.93	957.86
2001-02	1985.00	1985.00	1792.92
2004-05	2650.00	--	2657.42
2009-10	11307.07	10965.23	10870.15
2010-11	15042.00	17254.00	17052.59
2011-12	17122.87	16515.05	16354.70
2012-13	20208.00	17867.32	17765.24

Source : Department of Agriculture & Cooperation, Plan Coordination Division.

Chart 2 (a)**Trends in Budget Estimates and Actual Expenditure of D/o Agriculture & Coop.****Table 2.2****Public Sector Outlays/ Expenditure**

(₹ Crores)

Sector	2011-12	2012-13		2013-14	12th Plan**
	AE(#)	BE	RE(#)	BE(#)	Outlays
Agriculture and Allied Activities	16194	54748	15971	18781	363273
Rural Development	37599	72248	35583	42772	457464
Special Area Programmes	-	15342	-	-	80370
Irrigation & Flood Control	506	72169	428	1200	422012

Contd...

(₹ Crores)

Sector	2011-12	2012-13		2013-14	12th Plan**
	AE(#)	BE	RE(#)	BE(#)	Outlays
Energy	121855	208711	148230	158287	1438466
Industry & Minerals	36235	71491	39228	48010	377302
Transport	107532	183015	103023	133488	1204172
Communications	6586	15411	8257	12380	80984
Science, Technology & Environment	11735	24220	12119	17587	167350
General Economic Services	19697	51525	21017	31602	305612
Social Services	145352	419267	166460	206709	2664843
General Services	5305	66040	5860	9307	107959
Total	508596	1254187	556176	680123	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

(₹ Crores)

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

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

BE - Budget Estimates. RE - Revised Estimates

NA - Not Available

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

(₹Crores)

Five Year Plan / Annual Plan	Percentage share of Agriculture and Allied Activities to Total	
	Plan Outlays	Actual Expenditure
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	N.A
Annual Plan (2012-13)	4.4	2.9
Annual Plan (2013-14)#	2.8	NA

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 : 1. 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		
	Agriculture and Allied Sector	% of Total plan	Agriculture and Allied Sector	% of Total plan	Agriculture and Allied Sector	% of Total plan	Increase in Twelfth Plan over Eleventh Plan Expenditure (%)
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

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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
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

		Tenth Plan	2007-08	2008-09	2009-10	2010-11	2011-12	Eleventh Plan
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%	0.61%	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 Sector	Pvt. Sector	Total	Public Sector	Pvt. Sector	Total
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	7.8	7.1	4.3	7.2	6.6
2011-12 [*]	5.5	8.8	8.0	4.7	8.0	7.2

* - 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* (2004-05 prices)**

Year	Share (%) in Total		
	Public	Private	Total
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	2.2	2.6

* GDP at Market Prices (MP)

**- 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)**

(Percentage)

Year	Public	Private	Total
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	2.5	12.4	14.8
2011-12	2.6	13.4	16.0

Source : Central Statistics Office (CSO)

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

(Percentage)

Year	Public	Private	Total
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	3.5	12.6	16.1
2008-09	3.1	16.3	19.4
2009-10	3.4	16.7	20.1
2010-11	2.8	15.6	18.4
2011-12	3.0	16.8	19.8

Source : Central Statistics Office (CSO)

3

Population & Labour Force



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
1951	361.1	1.25	298.6 (82.7)	69.9 (71.9)	27.3 (28.1)	97.2
1961	439.2	1.96	360.3 (82.0)	99.6 (76.0)	31.5 (24.0)	131.1
1971	548.2	2.20	439.0 (80.1)	78.2 (62.2)	47.5 (37.8)	125.7
1981	683.3	2.22	525.6 (76.9)	92.5 (62.5)	55.5 (37.5)	148.0
1991	846.4	2.16	630.6 (74.5)	110.7 (59.7)	74.6 (40.3)	185.3
2001	1028.7	1.97	742.6 (72.2)	127.3 (54.4)	106.8 (45.6)	234.1
2011*	1210.6	1.64	833.5 (68.8)	118.7 (45.1)	144.3 (54.9)	263.0

Notes :

1. For 2011, figures includes the estimated population of Mao Maram, Paomata and Purul sub-divisions of Senapati district of Manipur.
2. Population figures for 1991 of Jammu & Kashmir and 1981 for Assam have been worked out by 'interpolation'. The data on workers in columns 5-7 exclude J&K and Assam.
3. Figures within parentheses in column 4 are percentages to the total population.
4. Figures within parentheses in columns 5 and 6 are percentages to column 7.

* Provisional

Source: Registrar General of India.

Table 3.2 Population & Labour Force Projections

(Percent per annum)

Year	2011	2012	2013	2014	2015	2016	2017
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

Table 3.3

State-wise Percentage of Population Below Poverty Line (2004-05 & 2011-12) (Tendulkar Methodology)

States/UTs	2004-05			2011-12		
	Rural	Urban	Total	Rural	Urban	Total
Andhra Pradesh	32.30	23.40	29.60	10.96	5.81	9.2
Arunachal Pradesh	33.60	23.50	31.40	38.93	20.33	34.67
Assam	36.40	21.80	34.40	33.89	20.49	31.98
Bihar	55.70	43.70	54.40	34.06	31.23	33.74
Chhattisgarh	55.10	28.40	49.40	44.61	24.75	39.93
Delhi	15.60	12.90	13.00	12.92	9.84	9.91
Goa	28.10	22.20	24.90	6.81	4.09	5.09
Gujarat	39.10	20.10	31.60	21.54	10.14	16.63
Haryana	24.80	22.40	24.10	11.64	10.28	11.16
Himachal Pradesh	25.00	4.60	22.90	8.48	4.33	8.06
Jammu & Kashmir	14.10	10.40	13.10	11.54	7.2	10.35
Jharkhand	51.60	23.80	45.30	40.84	24.83	36.96
Karnataka	37.50	25.90	33.30	24.53	15.25	20.91
Kerala	20.20	18.40	19.60	9.14	4.97	7.05
Madhya Pradesh	53.60	35.10	48.60	35.74	21	31.65
Maharashtra	47.90	25.60	38.20	24.22	9.12	17.35
Manipur	39.30	34.50	37.90	38.8	32.59	36.89
Meghalaya	14.00	24.70	16.10	12.53	9.26	11.87
Mizoram	23.00	7.90	15.40	35.43	6.36	20.4
Nagaland	10.00	4.30	8.80	19.93	16.48	18.88
Odisha	60.80	37.60	57.20	35.69	17.29	32.59
Puducherry	22.90	9.90	14.20	17.06	6.3	9.69
Punjab	22.10	18.70	20.90	7.66	9.24	8.26
Rajasthan	35.80	29.70	34.40	16.05	10.69	14.71
Sikkim	31.80	25.90	30.90	9.85	3.66	8.19
Tamil Nadu	37.50	19.70	29.40	15.83	6.54	11.28
Tripura	44.50	22.50	40.00	16.53	7.42	14.05
Uttar Pradesh	42.70	34.10	40.90	30.4	26.06	29.43
Uttarakhand	35.10	26.20	32.70	11.62	10.48	11.26
West Bengal	38.20	24.40	34.20	22.52	14.66	19.98
A&N Islands	4.10	0.80	3.00	1.57	0	1
Chandigarh	34.70	10.10	11.60	1.64	22.31	21.81
Dadra & Nagar Haveli	63.60	17.80	49.30	62.59	15.38	39.31
Damn & Diu	2.60	14.40	8.80	0	12.62	9.86
Lakshadweep	0.40	10.50	6.40	0	3.44	2.77
All-India	42.00	25.50	37.20	25.7	13.7	21.92

Note: Population as on 1st March, 2010 has been used for estimating number of person below poverty line (interpolated between 2001 and 2011 census).

Source: Perspective Planning Division, Planning Commission.

4

Agricultural Land-use Statistics



Table 4.1 Agricultural Land by use in India

(Million Hectares)

S. No.	Classification	1950-51	1990-91	2000-01	2009-10(P)	2010-11(P)
I.	Geographical Area	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
	1. Forest	40.48	67.81	69.84	69.99	70.01
	2. Not Available for Cultivation (A+B)	47.52	40.48	41.23	43.32	43.56
	(A) Area Under Non-agricultural Uses	9.36	21.09	23.75	26.28	26.51
	(B) Barren & Unculturable Land	38.16	19.39	17.48	17.05	17.05
	3. Other Uncultivated land excluding Fallow Land (A+B+C)	49.45	30.22	27.74	26.50	26.17
	(A) Permanent Pasture & other Grazing Land	6.68	11.40	10.66	10.34	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
	(C) Culturable Waste Land	22.94	15.00	13.63	12.95	12.66
	4. Fallow Lands (A+B)	28.12	23.37	25.04	26.84	24.59
	(A) Fallow Lands other than Current Fallows	17.45	9.66	10.27	10.83	10.32
	(B) Current Fallows	10.68	13.70	14.78	16.01	14.27
	5. Net Area Sown (6-7)	118.75	143.00	141.34	139.18	141.58
	6. Total Cropped Area (Gross Cropped Area)	131.89	185.74	185.34	188.99	198.97
	7. Area Sown more than once	13.15	42.74	44.00	49.81	57.39
	8. Cropping Intensity*	111.07	129.89	131.13	135.79	140.54
	Net Irrigated Area	20.85	48.02	55.20	61.94	63.60
	Gross Irrigated Area	22.56	63.20	76.19	85.09	89.36

(P) Provisional,

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

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

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

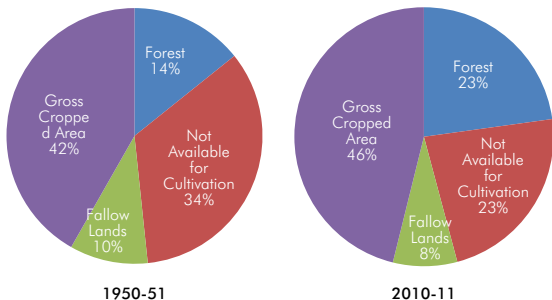


Chart 4 (b): Changes in Gross Cropped and Gross Irrigated Area

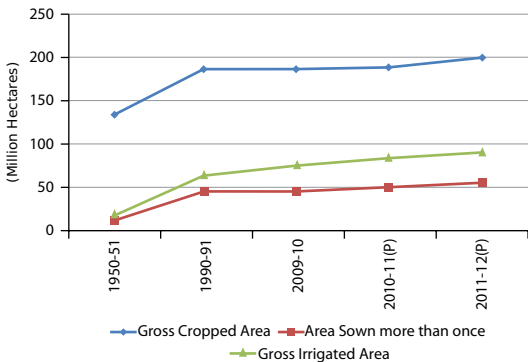


Table 4.2 Agricultural Land by use in India

Crop	Percentage Share of Area to Gross Cropped Area	
	2005-06	2010-11*
Rice	22.71	22.05
Jowar	13.79	3.70
Bajra	4.49	4.86
Maize	5.01	4.22
Ragi	4.00	0.63
Wheat	0.85	14.99
Barley	0.33	0.36
Other Cereals & Millets	0.54	0.43
Coarse Cereals	15.22	14.20
Total Cereals	51.72	51.24
Gram	3.59	4.46
Tur	1.84	2.16
Other Pulses	6.15	6.33
Total Pulses	11.58	12.94
Total Food-grains	63.31	64.18
Sugarcane	2.41	2.66
Condiments & Spices	1.46	1.67
Total Fruits	2.02	2.17
Potatoes	0.75	0.79
Onions	0.34	0.30
Total Vegetables	2.82	2.71
Groundnut	3.55	2.93
Sesamum	1.05	1.09
Rapeseed & Mustard	3.81	2.80
Linseed	0.22	0.15
Other Oil Seeds	7.41	7.64
Total Oil Seeds	16.04	14.60
Cotton	4.47	5.50
Jute	0.40	0.39
Mesta	0.07	0.04
Total Fibers	4.97	5.96
Tobacco	0.19	0.22
Other Crops	6.78	5.84
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

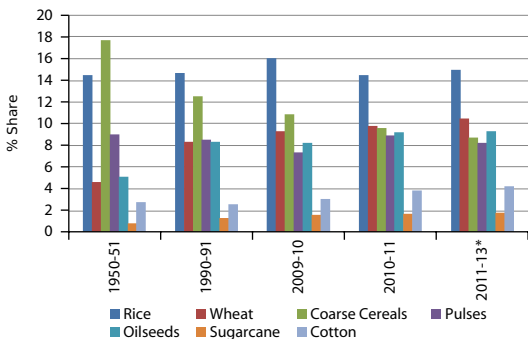
(Figs. In Percentage)

Year	Rice	Wheat	Coarse Cereals	Pulses	Food grains	Oilseeds	Sugarcane	Cotton	Jute & Mesta	All Crops
1950-51	14.43	4.57	17.64	8.94	45.58	5.03	0.80	2.75	0.27	100.00
1960-61	13.34	5.05	17.57	9.21	45.17	5.38	0.95	2.97	0.35	100.00
1970-71	13.59	6.59	16.61	8.15	44.95	6.02	0.95	2.75	0.39	100.00
1980-81	14.20	7.88	14.78	7.94	44.80	6.23	0.94	2.77	0.46	100.00
1990-91	14.62	8.28	12.44	8.45	43.78	8.27	1.26	2.55	0.35	100.00
2000-01	16.04	9.23	10.86	7.30	43.43	8.17	1.55	3.06	0.37	100.00
2007-08	15.13	9.66	9.81	8.14	42.75	9.20	1.74	3.24	0.33	100.00
2008-09	15.82	9.64	9.53	7.67	42.66	9.57	1.53	3.27	0.31	100.00
2009-10	14.77	10.03	9.75	8.20	42.75	9.15	1.47	3.57	0.32	100.00
2010-11	14.40	9.77	9.52	8.87	42.57	9.15	1.64	3.78	0.29	100.00
2011-12	14.97	10.16	8.99	8.32	42.44	8.95	1.71	4.14	0.31	100.00
2012-13*	14.89	10.41	8.65	8.24	42.20	9.32	1.78	4.21	0.30	100.00

*4th advance estimates

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

Chart 4 (c) Trends in Area under Major Crops



* fourth advance estimates

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)
Marginal (Less than 1 hectare)	0.40	0.38	0.38
Small (1.0 to 2.0 hectares)	1.42	1.38	1.42
Semi-Medium (2.0 to 4.0 hectares)	2.72	2.68	2.71
Medium (4.0 to 10.0 hectares)	5.81	5.74	5.76
Large (10.0 hectares and above)	17.12	17.08	17.37
All Holdings	1.33	1.23	1.16

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

*-Excluding Jharkhand

Table 4.5

Performance of South West Monsoon during 1989 to 2013 (1 June - 30 September)

Year	Number of Meteorological Sub-Divisions @Excess/Normal Rainfall	Deficient/Scanty Rainfall	Percentage of Districts with Normal/Excess Rainfall	Actual Rainfall as % of Normal Rainfall (All India)
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

@ 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.	Crops	(Million Tonnes)										
		1950-51	1960-61	1970-71	1980-81	1990-91	2000-01	2010-11	2011-12	2012-13*		
1	Foodgrains	50.82	82.02	108.42	129.59	176.39	196.81	244.49	259.29	255.36		
	Rice	20.58	34.58	42.22	53.63	74.29	84.98	95.98	105.30	104.40		
	Wheat	6.46	11.00	23.83	36.31	55.14	69.68	86.87	94.88	92.46		
	Maize	1.73	4.08	7.49	6.96	8.96	12.04	21.73	21.76	22.23		
	Coarse Cereals	15.38	23.74	30.55	29.02	32.70	31.08	43.40	42.01	40.08		
2	Pulses	8.41	12.70	11.82	10.63	14.26	11.08	18.24	17.09	18.45		
	Gram	3.65	6.25	5.20	4.33	5.36	3.86	8.22	7.70	8.88		
	Tur (Arhar)	1.72	2.07	1.88	1.96	2.41	2.25	2.86	2.65	3.07		
	Lentil (Masur)	--	--	0.37	0.47	0.85	0.92	0.94	0.51	--		
3	Oilseeds	5.16	6.98	9.63	9.37	18.61	18.44	32.48	29.80	31.01		
	Groundnut	3.48	4.81	6.11	5.01	7.51	6.41	8.26	6.96	4.75		
	Rapeseed & Mustard	0.76	1.35	1.98	2.30	5.23	4.19	8.18	6.60	7.82		
	Soyabean	--	--	0.01	0.44	2.60	5.28	12.74	12.21	14.68		
	Sunflower	--	--	0.08	0.07	0.87	0.65	0.65	0.52	0.58		
4	Cotton	3.04	5.60	4.76	7.01	9.84	9.52	33.00	35.20	34.00		
5	Jute & Mesta	3.31	5.26	6.19	8.16	9.23	10.56	10.62	11.40	11.30		
6	Sugarcane	57.05	110.00	126.37	154.25	241.05	295.96	342.38	361.04	338.96		
7	Tobacco	0.26	0.31	0.36	0.48	0.56	0.34	0.88	0.82	--		

* 4th Advance Estimates

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



Table 5.2

Three Largest Producing States of Important Crops during 2012-13*

Production : Million Tonnes

Group of Crops	Crops	States	Production	% Share in All India Production	
I. Foodgrains	Rice	West Bengal	14.96	14.33	
		Uttar Pradesh	14.41	13.80	
		Punjab	11.37	10.89	
			All - India	104.40	100.00
	Wheat	Uttar Pradesh	30.30	32.77	
		Punjab	16.11	17.42	
		Madhya Pradesh	13.13	14.20	
			All - India	92.46	100.00
		Maize	Andhra Pradesh	4.81	21.64
			Karnataka	3.43	15.43
	Bihar		2.33	10.48	
			All - India	22.23	100.00
		Total Coarse Cereals	Rajasthan	6.91	17.25
			Karnataka	6.15	15.35
			Andhra Pradesh	5.44	13.58
			All - India	40.06	100.00
		Total Pulses	Madhya Pradesh	4.98	26.99
			Uttar Pradesh	2.43	13.17
			Maharashtra	2.41	13.06
			All - India	18.45	100.00
		Total Foodgrains	Uttar Pradesh	50.84	19.91
		Punjab	28.07	10.99	
		Madhya Pradesh	23.42	9.17	
		All - India	255.36	100.00	
II .Oilseeds	Groundnut	Andhra Pradesh	1.11	23.37	
		Tamil Nadu	0.86	18.11	
		Gujarat	0.76	16.00	
			All - India	4.75	100.00

Contd..

Group of Crops	Crops	States	Production	% Share in All India Production
	Rapeseed & Mustard	Rajasthan	3.65	46.68
		Haryana	0.96	12.28
		Madhya Pradesh	0.92	11.76
		All - India	7.82	100.00
	Soyabean	Madhya Pradesh	7.80	53.13
		Maharashtra	4.67	31.81
		Rajasthan	1.47	10.01
		All - India	14.68	100.00
	Sunflower	Karnataka	0.30	51.72
		Andhra Pradesh	0.10	17.24
		Maharashtra	0.03	5.17
		All - India	0.58	100.00
	Total Oilseeds	Madhya Pradesh	9.28	29.93
		Rajasthan	6.20	19.99
		Maharashtra	5.02	16.19
		All - India	31.01	100.00
				Contd..
III. Other Cash Crops	Sugarcane	Uttar Pradesh	134.85	39.78
		Maharashtra	62.17	18.34
		Karnataka	35.73	10.54
		All - India	338.96	100.00
	Cotton @	Gujarat	8.73	25.68
		Maharashtra	7.65	22.50
		Andhra Pradesh	7.35	21.62
		All - India	34.00	100.00
	Jute & Mesta§	West Bengal	8.31	73.54
		Bihar	2.09	18.50
		Assam	0.58	5.13
		All - India	11.30	100.00

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

§ : Production in million bales of 180 kg. each.

* 4th Advance Estimates.

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

Table 5.3

Area, Production and Yield of Foodgrains during 2010-11 and 2011-12 in major Producing States alongwith coverage under Irrigation

State	Area - Million Hectares, Production - Million Tonnes, Yield - Kg./Hectare										
	Area	% to All - India	2012-13# Production	% to All - India	Yield	Area	% to All - India	2011-12 Production	% to All - India	Yield	Area Under Irrigation (%) 2010-11*
Uttar Pradesh	19.96	16.61	50.84	19.91	2547	20.13	16.14	50.28	19.39	2498	75.80
Punjab	6.59	5.49	28.07	10.99	4258	6.51	5.22	28.39	10.95	4361	98.50
Madhya Pradesh	14.13	11.76	23.42	9.17	1657	13.5	10.82	20.39	7.86	1510	45.90
Rajasthan	12.17	10.13	18.03	7.06	1482	14.44	11.58	19.47	7.51	1348	26.40
Andhra Pradesh	6.85	5.70	17.93	7.02	2616	7.29	5.84	18.36	7.08	2519	63.50
West Bengal	6.09	5.07	16.51	6.47	2711	6.04	4.84	15.99	6.17	2647	49.30
Haryana	4.39	3.65	16.22	6.35	3698	4.63	3.71	17.96	6.93	3879	86.40
Bihar	6.71	5.58	15.62	6.12	2329	6.7	5.37	14.05	5.42	2097	64.40
Karnataka	7.42	6.18	10.93	4.28	1472	7.43	5.96	12.10	4.67	1629	27.00
Maharashtra	10.11	8.41	10.69	4.19	1057	10.86	8.71	12.54	4.84	1155	17.60
Odisha	5.04	4.19	8.35	3.27	1658	4.92	3.94	6.41	2.47	1303	28.50
Chhattisgarh	5.04	4.20	7.63	2.99	1514	4.96	3.98	6.87	2.65	1385	28.90
Gujarat	3.68	3.06	7.32	2.87	1990	4.74	3.80	8.87	3.42	1871	45.50
Tamil Nadu	2.89	2.41	6.29	2.46	2175	3.21	2.57	10.15	3.91	3162	62.20
Assam	2.52	2.10	4.76	1.86	1889	2.74	2.20	4.66	1.80	1701	4.60
Jharkhand	2.31	1.92	4.30	1.68	1861	2.32	1.86	4.18	1.61	1802	7.00
Uttarakhand	0.93	0.77	1.80	0.71	1939	0.95	0.76	1.85	0.71	1947	43.10
Others	3.33	2.77	6.64	2.60	@	3.38	2.71	6.77	2.61	@	-
All India	120.16	100.00	255.36	100.00	2125	124.75	100.00	259.29	100.00	2078	47.80

@ - 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 2012-13.

Fourth Advance Estimates.

* Provisional

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 2007-08 to 2011-12)****Area** - Million Hectares, **Production** - Million Tonnes, **Yield** - Kg./ Hectare

Group of Crops	Crops	Season	Area	Production	Yield
I. Foodgrains					
	Rice	Total	43.65	97.24	2228
	Wheat	Rabi	28.64	84.36	2946
	Jowar	Total	7.34	6.97	949
	Bajra	Kharif	9.12	9.2	1009
	Maize	Total	8.38	19.78	2361
	Total Coarse Cereals	Total	27.67	39.95	1444
	Tur	Kharif	3.79	2.66	703
	Gram	Rabi	8.22	7.24	881
	Total Pulses	Total	23.97	15.86	662
	Total Foodgrains	Total	123.93	237.42	1916
II .Oilseeds	Groundnut	Total	5.81	7.4	1274
	Nine Oilseeds	Total	26.75	28.93	1081
III . Other Cash Crops	Sugarcane	Total	4.71	325.79	69118
	Cotton @	Total	10.47	28.08	456
	Jute & Mesta\$	Total	0.91	11.08	2195

@ : 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 2010-11 onwards**

Crop	2010-11		2011-12		2012-13*
	Target	Achievement	Target	Achievement	Target
Rice	102.00	95.98	102.00	104.32	104.00
Wheat	82.00	86.87	84.00	93.90	88.00
Coarse Cereals	44.00	43.68	42.00	42.01	44.00
Pulses	16.50	18.24	17.00	17.21	18.24
Foodgrains	244.50	244.78	245.00	257.44	254.24
Oilseeds	33.20	32.48	33.60	30.01	33.50
Sugarcane	315.00	342.38	350.00	357.67	352.00
Cotton #	26.00	33.00	34.00	35.20	35.00
Jute & Mesta@	11.50	10.62	12.30	11.57	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	2011-12		2012-13	
	Oilseeds	Oils	Oilseeds	Oils
A. Primary Source				
Groundnut	69.64	16.02	54.34	12.50
Rapeseed & Mustard	66.04	20.47	74.37	23.05
Soyabean	122.14	19.54	141.40	22.62
Sunflower	5.16	1.70	5.56	1.83
Sesamum	8.10	2.51	6.73	2.09
Nigerseed	0.98	0.29	0.96	0.29
Safflower	1.45	0.44	0.89	0.27
Castor	22.95	9.18	21.53	8.61
Linseed	1.52	0.46	1.47	0.44
Sub Total	297.98	70.61	307.25	71.70
B. Secondary Source				
Coconut		4.00		4.11
Cottonseed		11.62		11.16
Ricebran		7.50		7.80
Solvent Extracted Oils		4.10		4.10
Tree & Forest Origin		1.20		1.20
Sub Total		28.42		28.37
Total(A+B)		99.03		100.07
C. Less: Exports & Industrial Use		9.46		9.50
D. Net Domestic Availability of Edible Oils		89.57		90.57
E. Import of Edible Oils \$		99.81		60.31(Nov.-May)
F. Total Availability/ Consumption of Edible Oils		189.38		

* Based on 3rd Advance Estimate declared by Min of Agriculture on 03.05.2013

\$ Source : The Solvent Extractors Association of India, Mumbai

Source: Directorate of Vanaspati, Vegetable Oils & Fats, M/o Consumer Affairs

Table 5.7

Average Annual Growth Rate of Area, Production and Yield of 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

Crop	2007-08 to 2012-13*		
	A	P	Y
Rice	-0.4	2.0	2.4
Wheat	1.3	3.7	2.4
Jowar	-4.6	-5.4	-0.5
Bajra	-4.2	3.4	7.3
Maize	1.7	6.3	4.4
Ragi	-3.3	-3.0	0.1
Small Millets	-5.2	-1.8	3.3
Barley	2.3	7.5	4.3
Coarse Cereals	-1.4	2.4	3.7
Cereals	0.1	2.7	2.5
Tur	1.5	3.4	2.1
Gram	3.1	7.5	4.3
Moong	-2.1	14.4	12.9
Urad	0.9	6.7	5.3
Lentil	0.1	3.8	4.0
Other Pulses	-2.5	4.3	6.6
Total Pulses	1.0	5.0	3.8
Foodgrains	0.3	3.1	2.7
Groundnut	-4.1	-2.8	0.0
Castorseed	12.5	18.1	5.1
Nigerseed	-5.6	-1.8	4.4
Sesamum	-0.4	2.0	1.9
Rapeseed & Mustard	0.2	3.3	2.6
Linseed	-6.3	-1.7	5.7
Safflower	-10.8	-12.7	-2.0
Sunflower	-13.4	-12.2	2.5
Soyabean	4.6	8.7	4.1

Crop	2007-08 to 2012-13*		
	A	P	Y
Total Oilseeds	-0.2	2.2	2.2
Sugarcane	1.3	1.2	-0.2
Cotton	4.8	8.4	3.1
Jute	-0.1	1.2	1.2
Mesta	-7.9	-5.8	2.0
Coconut	1.6	7.2	5.2
Cotton seed	4.8	8.4	3.1
Sannhamp	-6.1	-0.4	6.1
Potato	4.8	9.1	4.1
Tapioca	-2.0	-1.4	0.6
Sweet potato	1.1	2.5	1.4
Onion	7.6	12.7	5.1
Guar seed	1.7	36.0	27.6
Black pepper	-8.5	-2.7	15.1
Dry chillies	1.2	1.7	0.5
Dry ginger	7.4	14.8	5.4
Turmeric	1.9	3.9	1.6
Arecanut	2.4	3.4	0.2
Cardamom	1.6	2.9	1.2
Coriander	9.1	18.3	6.2
Garlic	7.6	8.7	0.7
Tea	-0.3	-0.1	0.2
Coffee	3.1	2.4	-0.4
Rubber	3.0	1.5	-1.4
Non Foodgrains	2.5	4.5	1.8
All Crops	1.4	3.7	2.2

* Fourth Advance Estimates for 2012-13

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

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

Crop	1950-51	1990-91	2000-01	2010-11
Rice	31.7	45.5	53.6	58.6
Jowar	3.0	5.6	7.9	8.7
Bajra	3.4	5.1	8.0	8.3
Maize	11.4	19.7	22.4	24.3
Wheat	34.0	81.1	88.1	92.1
Barley	NA	NA	65.5	70.3
Coarse Cereal	7.9	9.0	12.5	14.4
Total Cereals	NA	NA	49.8	56.2
Gram	12.5	20.5	30.9	29.7
Tur or Arhar	0.5	5.5	4.2	4.0
Total Pulses	9.4	10.5	12.5	14.8
Total Foodgrains	18.1	35.1	43.4	47.8
Sugarcane	67.3	86.9	92.1	92.5
Groundnut	NA	18.6	17.6	22.4
Rapeseed & Mustard	NA	59.8	66.1	69.9
Soyabean	NA	NA	1.4	0.6
Sunflower	NA	NA	27.6	31.7
Total Oilseeds	NA	22.9	23.0	25.1
Cotton	8.2	32.9	34.3	33.8
Tobacco	NA	43.2	52.8	47.1
Total area under all crops	...	...	40.2	44.9

NA: Not Available

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

Table 5.9

State-wise Irrigated Area under Principal Crops during 2010-11

(Figures in Percentages)

State/UT	Rice	Wheat	Total Cereals	Total Pulses	Total Food grains	Total Oilseeds	Cotton	Tobacco	Total area under all crops
Andhra Pradesh	97.1	93.1	85.7	2.0	63.5	20.4	16.9	26.3	49.3
Arunachal Pradesh	37.9	37.6	25.5	-	24.5	-	-	-	20.3

Contd..

State/UT	Rice	Wheat	Total Cereals	Total Pulses	Total Food grains	Total Oilseeds	Cotton	Tobacco	Total area under all crops
Assam	4.9	1.0	4.8	0.1	4.6	0.2	-	-	4.1
Bihar	55.6	93.2	70.5	0.6	64.4	45.1	-	95.4	61.8
Chhattisgarh	33.6	73.6	32.5	11.0	28.9	4.3	-	95.7	28.3
Goa	34.3	-	34.2	9.8	30.8	5.3	-	-	22.8
Gujarat**	61.5	90.8	53.3	13.3	45.5	27.5	58.7	100.0	45.9
Haryana	99.8	99.4	88.7	27.2	86.4	78.8	99.9	-	85.2
Himachal Pradesh**	65.7	20.6	20.5	13.7	20.2	16.1	95.6	-	20.3
Jammu & Kashmir	90.4	28.7	39.6	13.5	38.8	70.3	44.4	100.0	42.0
Jharkhand	3.2	89.1	7.4	2.9	7.0	6.2	-	-	12.0
Karnataka	77.0	56.7	37.4	6.9	27.0	28.5	24.0	13.2	32.8
Kerala	70.6	-	70.0	37.1	69.4	27.4	100.0	100.0	17.7
Madhya Pradesh	20.4	87.1	55.2	31.6	45.9	5.1	49.5	87.3	33.7
Maharashtra**	26.1	73.9	21.3	9.4	17.6	4.0	2.7	16.7	20.2
Manipur**	34.3	-	30.8	-	27.7	-	-	-	21.0
Meghalaya	46.1	100.0	39.3	-	38.2	33.8	-	-	22.0
Mizoram	42.5	-	32.3	-	29.2	0.0	-	-	9.1
Nagaland	46.8	24.1	32.5	1.2	28.9	7.8	-	-	20.2
Odissa	33.2	100.0	31.6	5.6	28.5	13.1	-	-	28.3
Punjab	99.6	98.8	98.5	83.4	98.5	84.0	100.0	-	98.0
Rajasthan	62.0	98.1	32.4	12.7	26.4	43.6	93.0	72.1	32.0
Sikkim**	84.5	17.0	19.4	3.0	16.5	11.8	-	-	13.2
Tamil Nadu	93.2	11.3	75.7	8.7	62.2	58.9	24.4	99.7	58.2
Tripura**	38.4	-	38.1	16.6	37.5	5.8	5.4	-	35.0
Uttarakhand	68.5	55.8	45.1	10.4	43.1	27.8	33.3	37.5	48.0
Uttar Pradesh**	80.4	98.1	83.5	20.9	75.8	44.8	98.1	100.0	76.3
West Bengal**	48.2	95.9	50.2	23.3	49.3	82.4	79.2	97.5	58.2
All India	58.6	92.1	56.2	14.8	47.8	25.1	33.8	47.1	44.9

Figures for 2010-11 are Provisional

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

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

Table 5.10 All India Crop-wise Yield (Quintal/ hectare)

Crop	1950-51	1990-91	2000-01	2010-11	2011-12
Rice	6.68	17.4	19.01	22.39	23.72
Jowar	3.53	8.14	7.64	9.49	9.54
Bajra	2.88	6.58	6.88	10.79	11.56
Maize	5.47	15.18	18.22	25.4	24.76
Wheat	6.63	22.81	27.08	29.88	31.4
Coarse Cereal	4.08	9	10.27	15.31	15.93
Gram	4.82	7.12	7.44	8.95	9.12
Tur or Arhar	7.88	6.73	6.18	6.55	6.56
Total Pulses	4.41	5.78	5.44	6.91	6.94
Total Foodgrains	5.22	13.8	16.26	19.3	20.59
Sugarcane	334.22	653.95	685.78	700.91	703.17
Groundnut	7.75	9.04	9.77	14.11	13.05
Rapeseed & Mustard	3.68	9.04	9.36	11.85	11.45
Soyabean	4.26	10.15	8.23	13.27	12.07
Sunflower	6.53	5.35	6.05	7.01	6.92
Total Oilseeds	4.81	7.71	8.1	11.93	11.35
Cotton	0.88	2.25	1.9	4.99	4.91
Tobacco	7.31	13.53	13.18	16.87	NA

NA: Not Available

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 Hectares), (Production in '000 Tonnes)

Crops	2011-12		2012-13 (Prov.)	
	Area	Production	Area	Production
Fruits				
Aonla	95	961	104	973
Apple	322.0	2203.0	325.0	1897.0
Bael	0.3	3.4		
Banana	797.0	28455.0	771.0	27055.0
Ber	34.0	252.0	34.0	300.0
Citrus				
Lime/Lemon	234.0	2272.0	249.0	2404.0
Mandarin (Orange)	329.0	3128.0	298.0	2697.0
Sweet Orange(Mosambi)	162.0	1232.0	315.0	3116.0
Others	190.0	1290.0	177.0	1223.0
Citrus (Total)	915.0	7922.0	1039.0	9441.0
Custardapple	19.0	127.0	20.0	135.0
Grapes	116.0	2221.0	115.0	2519.0
Guava	220.0	2510.0	233.0	2619.0
Jackfruit	60.0	1042.0	62.0	1044.0
Kiwi	3.0	6.0	4.0	7.0
Litchi	80.0	538.0	83.0	575.0
Mango	2378.0	16196.0	2464.0	17291.0
Papaya	117.0	4457.0	129.0	5190.0
Passion Fruit	16.0	97.0	18.0	101.0
Peach	20.0	91.0	21.0	99.0
Pear	48.0	294.0	49.0	308.0
Pineapple	102.0	1500.0	106.0	1500.0
Plum	26.0	72.0	27.0	81.0
Pomegranate	112.0	772.0	113.0	784.0
Sapota	163.0	1420.0	164.0	1497.0
Strawberry	0.1	0.3		
Others	889.0	4991.0	952.0	5703.0
Nuts				
Walnut	150.0	284.0	157.0	277.0
Almond	22.0	4.0	22.0	4.0
Pecanut	1.9	0.2		
Nuts (Total)	173.9	288.2		
Fruits (Total)	6705.0	76424.0	7012.0	79400.0

Contd..

Crops	2011-12		2012-13 (Prov.)	
	Area	Production	Area	Production
Vegetables				
Beans	118.0	1151.0	124.0	1261.0
Bitterguard	77.0	866.0	78.0	882.0
Bottleguard	105.0	1984.0	113.0	2060.0
Capsicum	10.0	127.0	12.0	160.0
Carrot	62.0	1153.0	63.0	1131.0
Cauliflower	391.0	7349.0	409.0	7785.0
Cucumber	40.0	607.0	41.0	610.0
Muskmelon	38.0	791.0	40.0	814.0
Okra	518.0	6259.0	531.0	6288.0
Onion	1087.0	17511.0	992.0	16655.0
Parmal(pointed gourd)	1.2	28.3	...	...
Peas	408.0	3745.0	422.0	3867.0
Potato	1907.0	41483.0	1940.0	41092.0
Radish	160.0	2286.0	168.0	2391.0
Sitaphal/Pumpkin	11.0	278.0	13.0	326.0
Sweet Potato	110.0	1073.0	112.0	1090.0
Tapioca	227.0	8747.0	217.0	7319.0
Tomato	907.0	18653.0	876.0	17848.0
Watermelon	71.0	1727.0	76.0	1706.0
Others	1661.0	19487.0	1767.0	21817.0
Vegetables (Total)	8989.0	156325.0	9083.0	156445.0
Aromatic	506.0	566.0	537.0	622.0
Flowers Cut*		75066.0		74305.0
Flowers Loose	254.0	1652.0	218.0	1421.0
Plantation Crops				
Arecanut	464.0	681.0	436.0	529.0
Cashewnut	979.0	725.0	991.0	753.0
Cocoa	63.0	13.0	66.0	16.0
Coconut	2071.0	14940.0	2112.0	15090.0
Total (Plantation)	3577.0	16359.0	3606.0	16388.0
Spices				
Ajwan	35.0	27.0	35.0	27.0
Cardamom	89.0	16.0	99.0	18.0
Chillies (Dried)	805.0	1276.0	792.0	1305.0
Cinnamon/Tejpata	3.0	5.0	3.0	5.0
Celery,Dill & Poppy	33.0	33.0	33.0	33.0
Clove	2.0	1.0	2.0	1.0
Coriander	558.0	533.0	547.0	526.0
Cumin	594.0	394.0	594.0	394.0

Contd..

Crops	2011-12		2012-13 (Prov.)	
	Area	Production	Area	Production
F.Greek	94.0	116.0	94.0	116.0
Fennel	100.0	143.0	100.0	143.0
Garlic	242.0	1228.0	242.0	1228.0
Ginger	155.0	756.0	157.0	756.0
Nutmeg	17.0	13.0	17.0	13.0
Pepper	200.0	41.0	118.0	52.0
Vanilla	7.0	1.0	7.0	1.0
Tamarind	58.0	203.0	58.0	202.0
Turmeric	219.0	1167.0	193.0	976.0
Spices (Total)	3212.0	5951.0	3092.0	5786.0
Grand Total	23242.0	257277.0	23548.0	260063.0

* Cut flowers in Lakh Nos.

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

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

Table 6.2

All-India Area, Production and Yield of Potato and Onion

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

Year	Potato			Onion		
	Area	Production	Yield	Area	Production	Yield
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(P)	1.96	44.72	22816	0.96	16.31	17022

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

P: Provisional

Table 6.3

All-India Area, Production and Yield of Banana

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

Year	Banana		
	Area	Production	Yield
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(P)	0.77	27.05	35110

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

P: Provisional

7

Livestock Statistics



Table 7.1 Livestock Population in India

(Million Numbers)

Species	1951	1982	1992	2007
Cattle	155.30	192.45	204.58	199.08
Adult Female Cattle	54.40	59.21	64.36	72.95
Buffalo	43.40	69.78	84.21	105.34
Adult Female Buffalo	21.00	32.50	43.81	54.47
Total Bovins	198.70	262.36	289.00	304.42
Sheep	39.10	48.76	50.78	71.56
Goats	47.20	95.25	115.28	140.54
Horses & Ponies	1.50	0.90	0.82	0.61
Camels	0.60	1.08	1.03	0.52
Pigs	4.40	10.07	12.79	11.13
Mules	0.06	0.13	0.19	0.14
Donkeys	1.30	1.02	0.97	0.44
Yaks	NC	0.13	0.06	0.08
Total Livestock	292.80	419.59	470.86	529.70
Poultry	73.50	207.74	307.07	468.88
Dogs	NC	18.54	21.77	19.09
Rabbits	NC	NC	NC	0.42

NC: Not Collected

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.)
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
2012-12	127.9	66.5	44.7
2012-13 (P)	132.4	69.7	46.1

P = Provisional

Source : Department of Animal Husbandry, Dairying & Fisheries.

Table 7.3 Fish Production in India

('000 Tonnes)

Year	Marine	Inland	Total
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(P)	3275	5744	9019

P = Provisional

Source : Department of Animal Husbandry Dairying & Fisheries

8

Agricultural Inputs & Costs



Table 8.1 Production and Use of Agricultural Input in India

Programme	Unit	2000-01	2010-11	2011-12	2012-13*
1. Seeds					
(i) Production of Breeder Seeds	Thousand Qtls.	42.69	118.85	123.38	125.00
(ii) Production of Foundation Seeds	Lakh Qtls.	5.91	17.53	21.86	22.50
(iii) Distribution of Certified/Quality Seeds	Lakh Qtls.	86.27	277.34	294.85	300.10
2. Consumption of Chemical Fertilisers					
Nitrogenous (N)	Lakh Tonnes	109.20	165.58	173.00	168.21
Phosphatic(P)	Lakh Tonnes	42.15	80.50	79.14	66.53
Potassic(K)	Lakh Tonnes	15.67	35.14	25.26	20.62
Total (N+P+K)	Lakh Tonnes	167.02	281.22	277.40	255.36
Per Hectare **	Kg.	89.63	146.32	144.33	128.34
3. Consumption of Pesticides (Technical Grade Material)					
	Thousand Tonnes	43.58	55.54	52.98	56.09
4. Area Covered Under Soil Conservation (Cumulative)					
	Lakh Hactares	4.36	7.49	4.72	5.46

E- Estimated,

*(as on 20.2.2013),

** 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)

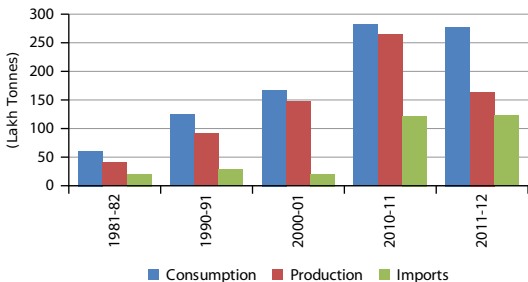
Year	Consumption			Production			Imports			C & F Value of Imports (₹ Crore)		
	N	P	K	Total	N	P	Total	N	P		K	Total
1981-82	40.69	13.22	6.73	60.64	31.44	9.49	40.93	10.54	3.43	6.44	20.41	716.62
1990-91	79.97	32.21	13.28	125.46	69.93	20.52	90.45	4.14	10.16	13.28	27.58	1335.82
2000-01	109.20	42.15	15.67	167.02	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	25.26	277.40	122.58	41.03	163.61	55.72	42.98	24.98	123.68	15442.02

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

Notes: 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

Table 8.3
Zone-wise Consumption of Fertilisers

(-'000 Tonnes)

S.No.	State/Zone	2009-10	2010-11	2011-12
1	South Zone	6613.06 (188.47)	7150.24 (212.01)	7266.62 (215.46)
2	West Zone	8147.47 (97.63)	9152.32 (110.73)	8607.24 (104.13)
3	North Zone	7805.38 (182.94)	7918.70 (187.29)	7872.37 (186.19)
4	East Zone	3641.11 (125.26)	3588.57 (130.37)	3683.41 (133.81)
5	North East Zone	279.42 (50.48)	312.38 (52.01)	310.36 (51.67)
6	All India	26486.44 (135.27)	28122.21 (146.32)	27740.00 (144.33)

Note: Figures in parentheses indicates estimated Consumption of Fertilizer per hectare

Source: Department of Agriculture and Cooperation, INM Division.


Table 8.4 Consumption of Electricity for Agricultural Purposes

Year	Consumption for Agricultural Purposes	Total Consumption	% Share of Agricultural Consumption to Total
	(GWh)	(GWh)	Consumption
1982-83	17817	95589	18.64
1985-86	23422	122999	17.82
1990-91	50321	190357	26.44
2000-01	84729	316600	26.76
2009-10	119492	569618	20.98
2010-11	126377	616969	24.48
2011-12*	140960	672933	20.95

*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*
I. Production (ST) Credit					
Cooperative Banks	14771	27157	69038	81829	102592
RRBs	2423	10010	38121	47401	55957
Commercial Banks	11697	36793	NA	266928	314951
Other Agencies	74	104	0	0	0
Sub Total (A)	28965	74064	107159	396158	473500
II. MT/LT Total					
Cooperative Banks	3489	4074	9083	6134	8611
RRBs	749	2394	6172	7049	7724
Commercial Banks	13036	44688	NA	101688	117540
Other Agencies	29	89	0	0	0
Sub Total (B)	17303	51245	15255	114871	133875
ST+MT/LT Credit					
Cooperative Banks	18260	31231	78121	87963	111203
RRBs	3172	12404	44293	54450	63681
Commercial Banks	24733	81481	345877	368616	432491
Other Agencies	103	193	0	0	0
Grand Total (A+B)	46268	125309	468291	511029	607375

* Provisional

ST= Short Term, MT= Medium Term, LT= Long Term

NA: Not Available

Source: Department of Agriculture and Cooperation, Credit Division.



Table 8.6

National Agricultural Insurance Scheme (NAIS),
Year-wise Cumulative upto 2012-13

(₹ lakh)

Year	Farmers Insured (no.)	Area Insured (ha.)	Farmers Benefitted (no.)
2000-01	10501107	16331252	4161949
2010-11	17649404	24045909	3389922
2011-12	16793555	23382642	3095855
2012-13	15382336	21824053	2613107

Source: Department of Agriculture and Cooperation, Credit Division.

Table 8.7

Cost Estimate of Principal Crops for major States
in 2010-11

Crop	State	Cost of Cultivation (₹/ Hectare)		Cost of Production (₹/Quintal)	Yield (Qtl./Ha.)
		A2+FL	C2	C2	
Arhar	Karnataka	15502.48	22646.03	3026.18	7.31
	Madhya Pradesh	12335.25	19131.08	2932.33	6.08
	Maharashtra	32977.66	44650.4	3657.08	11.74
	Uttar Pradesh	11998.49	24681.41	2844.81	7.63
Bajra	Gujarat	15308.81	21128.32	756.36	18.38
	Haryana	14454.14	21890.57	969.50	17.86
	Rajasthan	8863.59	12263.97	628.58	11.28
	Uttar Pradesh	13268.35	19894.72	768.97	20.26
Cotton	Andhra Pradesh	28861.62	49401.41	3305.52	14.94
	Gujarat	34552	53725.77	2414.76	22.01
	Haryana	29345.24	46815.11	2800.54	16.26
	Maharashtra	38359.3	52583.55	3603.20	14.40
Groundnut	Andhra Pradesh	34822.15	52622.39	2564.73	19.53
	Gujarat	24913.47	33907.63	2036.06	14.32
	Karnataka	17307.36	23374.3	4172.88	5.12
	Tamil Nadu	30103.17	38249.59	2631.91	13.60
Jowar	Karnataka	9535.15	13880.98	1796.19	6.57
	Madhya Pradesh	13783.97	18597.79	980.14	14.42
	Maharashtra	18579.22	26333.23	1381.73	12.77
	Rajasthan	10300.63	13045.45	986.89	5.56
Maize	Andhra Pradesh	31080.06	46228.5	866.46	51.06
	Karnataka	17945.68	25946.48	692.08	34.28
	Rajasthan	20407.05	26344.13	902.46	19.42

Contd..

Crop	State	Cost of Cultivation (₹/ Hectare)		Cost of Production (₹/Quintal)	Yield (Qtl./Ha.)
		A2+FL	C2	C2	
	Tamil Nadu	30807.8	43460.55	839.12	49.44
Moong	Andhra Pradesh	7906.38	12787.6	3029.63	4.15
	Karnataka	8635.72	11575.35	3946.43	2.83
	Maharashtra	19206.96	24524.63	3762.02	6.44
	Orissa	7686.21	11560.04	3758.00	2.99
Nigerseed	Orissa	6880.23	10198.28	3160.00	3.21
Paddy	Andhra Pradesh	35090.78	51505.34	916.98	52.60
	Bihar	15810.83	20960.19	923.40	19.29
	Punjab	30793.25	51279.34	836.46	60.49
	Tamil Nadu	38033.45	50632.4	946.75	50.32
	Uttar Pradesh	21281.3	32299.35	806.87	37.51
	West Bengal	32872.72	43019.85	1022.83	36.85
Ragi	Andhra Pradesh	31631.74	44682.76	1607.06	27.26
	Karnataka	22511.61	29141.79	1424.23	15.63
	Maharashtra	27525.15	34749.73	1484.12	21.07
	Tamil Nadu	18167.16	22808.01	1038.30	20.24
	Tamil Nadu	13024.11	19423.61	4085.44	4.73
	West Bengal	16128.4	23280.94	2722.96	8.27
Soyabean	Madhya Pradesh	14050.21	22668.1	1396.87	15.40
	Maharashtra	20383.72	26554.41	1846.33	14.07
	Rajasthan	12772.56	19082.23	2065.68	8.38
Sunflower	Andhra Pradesh	17974.91	25132.62	3086.28	8.11
	Karnataka	10546.85	13916.81	2592.05	5.27
	Maharashtra	15870.11	20738.21	2200.43	9.33
Urad	Andhra Pradesh	12878.99	20654.69	3940.82	5.23
	Maharashtra	16339.25	22038.26	3202.66	6.80
	Tamil Nadu	12005.77	17422.14	3350.79	5.11
	Uttar Pradesh	9443.88	14460.58	2753.27	5.12
Barley	Rajasthan	16392.47	24094.39	676.45	28.26
	Uttar Pradesh	20192.51	31573.15	769.98	33.72
Gram	Madhya Pradesh	11447.59	18657.75	1728.81	10.19
	Maharashtra	14854.05	21066.61	2095.84	9.74
	Rajasthan	9239.09	14646.41	1515.53	8.65
	Uttar Pradesh	15699.33	26111.52	1933.60	12.39
Lentil	Bihar	8748.27	15581.16	1631.68	9.21
	Madhya Pradesh	8717.64	13159.17	2578.37	4.86

Contd..

Crop	State	Cost of Cultivation (₹/ Hectare)		Cost of Production (₹/Quintal)	Yield (Qtl./Ha.)
		A2+FL	C2	C2	
	Uttar Pradesh	11850.90	22614.62	2204.25	9.86
	West Bengal	15723.99	23663.55	2496.15	9.06
Peas	Madhya Pradesh	13420.35	20758.23	1542.73	12.82
	Uttar Pradesh	15176.88	23590.40	2009.60	11.03
R & M	Haryana	14120.12	29583.16	1305.96	20.43
	Madhya Pradesh	10554.61	22649.54	1340.27	15.88
	Rajasthan	11767.67	20829.25	1238.71	15.87
	West Bengal	21519.70	30432.66	2198.38	13.38
Safflower	Karnataka	6443.38	8748.94	2477.07	3.48
	Maharashtra	11834.06	16883.08	2043.18	8.26
Wheat	Haryana	22943.95	42323.07	773.05	45.40
	Madhya Pradesh	15504.33	27532.33	834.21	28.17
	Punjab	23063.23	42983.98	871.74	42.87
	Rajasthan	19595.57	31630.89	666.87	39.56
	Uttar Pradesh	22306.96	35984.44	803.68	36.81
Jute	Assam	34297.06	41265.39	2673.29	14.64
	West Bengal	33208.70	51749.91	1898.90	25.29
Onion	Andhra Pradesh	34699.48	55005.08	944.94	57.70
	Gujarat	59548.23	99822.48	379.64	262.80
	Karnataka	18071.48	31621.53	694.12	45.32
	Maharashtra	62191.43	81847.16	808.37	99.49
Sugarcane	Karnataka	49183.90	86276.15	93.02	906.00
	Maharashtra	87114.96	128996.60	124.41	986.81
	Tamil Nadu	89583.62	113058.60	110.55	1008.79
	Uttar Pradesh	38327.10	66799.17	124.30	509.35
Potato	Bihar	46487.23	55250.24	276.39	199.90
	Himachal Pradesh	46066.02	75191.07	597.34	125.88
	Uttar Pradesh	46055.45	64684.14	258.46	250.26
	West Bengal	74374.57	96665.14	368.02	262.66

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 quintal)

S. No.	Commodity	2009-10	2010-11	2011-12	2012-13	2013-14
	Kharif Crops					
1	Paddy	645	742	888	1152	1234
2	Jowar	804	965	1141	1612	1648
3	Bajra	658	768	840	1059	1003
4	Maize	738	790	921	1070	1112
5	Ragi	861	1107	1271	1884	1687
6	Arhar(Tur)	2197	2422	2702	4167	3958
7	Moong	2705	3109	3373	4699	4759
8	Urad	2257	2490	2799	4334	4112
9	Cotton	2111	2129	2528	2772	3533
10	Groundnut In Shell	1879	2100	2633	3714	3398
11	Sunflower Seed	1915	2257	2795	3698	3679
12	Soyabean (Black)	1200	1298	1560	2343	2216
13	Sesamum	3035	2847	3393	4186	4134
14	Nigerseed	2368	2264	2945	4555	3628
	Rabi Crops					
1	Wheat	701	826	927	1066	1109
2	Barley	608	677	734	862	1035
3	Gram	1641	1902	2121	2328	2865
4	Masur (Lentil)	1626	2191	2592	3162	2760
5	Rapeseed/ Mustard	1276	1520	1786	1987	2368
6	Safflower	1884	2038	3322	3338	3501
	Other Crops					
1	Jute	1193	1301	1496	1808	2160
2	Sugarcane	81	90	102	148	185

Source: CACP

Table 8.9

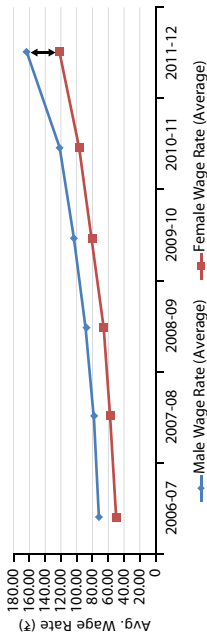
All India Annual Average Daily Wage Rate for Various Agricultural Operations (in Rupees)

Crop Year	Ploughing		Sowing		Weeding		Transplanting		Harvesting	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
2006-07	81.79	42.37	73.29	41.41	64.97	52.82	69.17	56.44	68.45	55.69
2007-08	91.38	49.96	79.28	57.18	70.07	58.27	73.79	61.93	75.24	62.31
2008-09	102.90	55.43	90.00	65.00	80.15	68.02	83.28	71.43	87.05	71.58
2009-10	120.85	70.43	104.52	79.47	92.78	78.94	98.29	86.71	102.82	84.95
2010-11	144.50	87.68	124.84	97.67	110.64	95.20	119.51	103.72	121.63	101.69
2011-12	190.91	NA	173.00	115.82	146.75	120.22	144.86	128.36	163.12	128.93

Source: Labour Bureau
All India annual average is calculated for 20 major States.
NA - Not available.

Chart 8 (b)

Trends in Average Daily Wage Rate of Male & Female Workers in Agricultural Operations



9

Prices & Procurement



Table 9.1

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

(As on 17.10.2013)

₹ Per Quintal)

S. No.	Commodity	Variety	2011-12	2012-13	2013-14
	Kharif Crops				
1	Paddy	Common	1080	1250	1310
		Grade 'A'	1110	1280	1345
2	Jowar	Hybrid	980	1500	1500
		Maldandi	1000	1520	
3	Bajra		980	1175	1310
4	Maize		980	1175	1310
5	Ragi		1050	1500	1500
6	Arhar(Tur)		3200 #	3850	4300
7	Moong		3500 #	4400	4500
8	Urad		3300 #	4300	4300
9	Cotton	Medium Staple	2800 ^a	3600	3700
		Long Staple	3300 ^{aa}	3900	4000
10	Groundnut in shell		2700	3700	4000
11	Sunflower Seed		2800	3700	3700
12	Soyabean	Black	1650	2200	2500
		Yellow	1690	2240	2560
13	Sesamum		3400	4200	4500
14	Nigerseed		2900	3500	3500
	Rabi Crops				
15	Wheat		1285	1350	1400
16	Barley		980	980	1100
17	Gram		2800	3000	3100
18	Masur (Lentil)		2800	2900	2950
19	Rapeseed/Mustard		2500	3000	3050
20	Safflower		2500	2800	3000
21	Toria		2425	2970	
	Other Crops				
22	Copra (Calendar Year)	Milling	4525	5100	5250
		Ball	4775	5350	5500
23	De-Husked Coconut (Calendar Year)		1200	1400	1425
24	Jute		1675	2200	2300
25	Sugarcane		145.00 [¤]	170.00 [¤]	210.00 [¤]

^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 4.5 - 4.3

Additional incentive at the rate of 500 per quintal of tur, urad and moong sold to procurement agencies is 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
Rice (Oct-Sept)			
Andhra Pradesh	7540	6464	...
Punjab	7731	8558	4830
Chhattisgarh	4115	4804	...
Uttar Pradesh	3355	2286	1
Odisha	2864	3613	...
Haryana	2007	2609	1985
Tamil Nadu	1596	481	35
West Bengal	2036	1766	...
Madhya Pradesh	635	898	...
Uttarakhand	378	497	...
Others	2769	2044	9
All-India	35026	34020	6860
Wheat (April-March)*			
Punjab	10958	12834	10897
Haryana	6928	8665	5873
Madhya Pradesh	4965	8493	6355
Uttar Pradesh	3461	5063	683
Rajasthan	1303	1964	1268
Bihar	557	772	...
Others	163	357	15
All-India	28335	38148	25091

Note: Procurement is according to Marketing Year

* Position upto 01.08.2013

Neg : Below 500 tonnes.

Source: Department of Food and Public Distribution.

Table 9.3

Wholesale Price Index of Major Crops (Base 2004-05 = 100)

Commodity	Weight	2010-11	2011-12	2012-13
All Commodities	100.00	143.32	156.13	167.62
I. Primary Articles	20.12	182.44	200.32	219.97
Food Articles	14.34	179.63	192.74	211.82
A. Food Grains (Cereals+Pulses)	4.09	174.43	180.72	207.13
A1. Cereals	3.37	169.67	176.23	199.87
Rice	1.79	167.19	172.29	194.16
Wheat	1.12	171.44	168.29	194.39
Maize	0.22	168.94	205.63	234.03
A2. Pulses	0.72	196.86	201.82	241.32
Gram	0.33	149.97	193.78	266.31
Arhar	0.14	205.06	183.20	199.35
Urad	0.10	271.75	240.00	227.67
b. Fruits & Vegetables	3.84	172.05	183.15	198.40
b1. Vegetables	1.74	182.83	179.26	210.08
Potato	0.20	131.95	128.98	206.95
Onion	0.18	259.60	186.67	232.51
b2. Fruits	2.11	163.17	186.37	188.79
Banana	0.34	163.01	173.42	210.53
Mango	0.65	191.52	237.15	219.68
Apple	0.10	173.59	220.38	241.42
Orange	0.13	185.32	237.35	228.29
e. Condiments & Spices	0.57	243.98	237.53	209.50
Chillies (Dry)	0.16	221.80	277.12	235.13
Turmeric	0.08	401.72	214.87	166.32
f. Other Food Articles	0.18	181.94	216.45	242.19
Tea	0.11	148.33	150.85	198.56
Coffee	0.07	235.01	320.08	311.09
b. Oil Seeds	1.78	141.33	158.75	198.02
Groundnut Seed	0.40	164.82	200.02	246.92
Rape & Mustard Seed	0.34	135.09	149.77	202.65
Copra (Coconut)	0.25	92.92	112.92	92.36
II. Manufactured Products	64.97	130.07	139.51	147.06

Commodity	Weight	2010-11	2011-12	2012-13
Food Products	9.97	141.15	151.20	163.49
a. Dairy Products	0.57	152.07	171.60	176.05
Powder Milk	0.20	150.22	176.99	180.73
Ghee	0.22	163.71	184.83	188.31
b. Canning, Preserving & Processing of Food	0.36	127.21	139.58	143.96
Canned Fish	0.06	136.59	151.49	156.51
Fish Meal	0.06	100.20	113.11	119.35
Processed Prawn	0.12	122.53	128.92	124.23
Wheat Flour (Atta)	0.39	158.94	163.94	171.80
Gram Powder (Besan)	0.10	134.23	136.10	160.84
Sooji (Rawa)	0.08	168.91	164.97	175.90
Rice Bran	0.12	122.29	122.60	137.15
Wheat Bran	0.09	130.37	125.06	142.12
d. Bakery Products	0.44	126.25	127.19	129.97
Biscuit/Cookies	0.35	121.02	121.63	123.01
Bread & Buns	0.06	147.45	145.46	153.31
e. Sugar, Khandsari & Gur	2.09	160.50	167.72	185.74
Sugar	1.74	165.02	173.44	193.10
Gur	0.08	197.20	197.15	217.14
Khandsari	0.06	159.87	170.90	183.65
Molasses	0.13	105.10	103.46	102.28
f. Edible Oils	3.04	120.58	135.72	148.11
Vanaspati	0.71	116.32	121.40	125.62
Groundnut Oil	0.30	145.25	163.83	192.58
Palm Oil	0.42	111.30	119.74	124.78
Rice Bran Oil	0.18	120.12	146.82	154.12
Cotton Seed Oil	0.26	124.31	149.52	175.48
Mustard & Rapeseed Oil	0.45	116.30	135.89	154.22
Soyabean Oil	0.38	125.57	147.17	162.18
Copra Oil	0.10	100.08	119.87	114.39

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

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

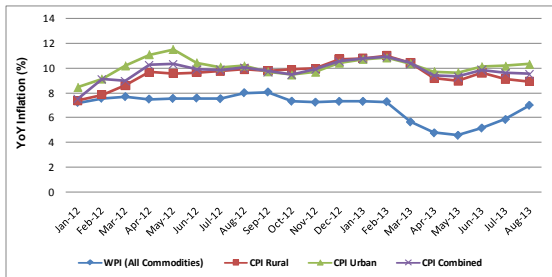
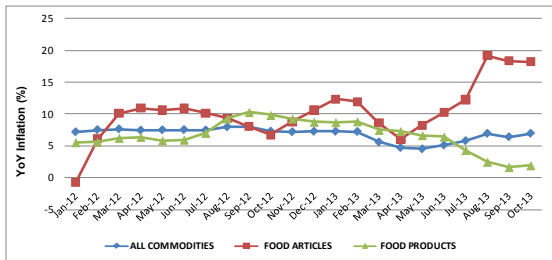


Chart 9(b) Trends in Inflation (WPI) of Food Products and Food Articles



10

Per-Capita Availability & Expenditure



Table 10.1

Per Capita Net Availability of Foodgrains (Per Annum) in India

(Kgs Per Year), (As on 20.06.2013)

Year	Rice	Wheat	Other Cereals	Cereals	Gram	Pulses	Food Grains
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(P)	69.4	57.7	21.9	149.0	4.9	15.2	164.2

P- Provisional

Note: The net availability of foodgrains is estimated to be Gross Production (-) seed, feed & wastage, (-) exports (+) imports, (+/-) change in stocks. The net availability of foodgrains divided by the population estimates for a particular year indicate per capita availability of foodgrains in terms of kg/year.

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 ^f (gm)
				Cotton ^e	Man-made	Total		
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
2011-12P	13.8	1.0	18.1	19.8	20.7	40.5	728	95

P: Provisional

Note: a: Includes Groundnut Oil, Rapeseed and mustard Oil, Sesamum Oil, Nigarseed 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.

f: Figures calculated on calendar year basis

Source: Economic Survey 2012-13

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
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	101.0

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

11

Demand-Supply Projections



Table 11.1

Projected Demand and Supply of Food Commodities for the 12th Plan period

Crop/Group of Crops	Projected Demand		Projected Supply	Actual Production	
	2016-17	2020-21	2016-17	2006-07	2011-12
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	14		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 11.2

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
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

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.
NA: Not Available

Table 11.3 Production, Consumption & Year-end Stocks Projections of Major Crops

('000 Tonnes)

Commodity	Agency	Production			Consumption			Stocks (Year-end)		
		2013	2017	2021	2013	2017	2021	2013	2017	2021
Wheat	FAO/OECD	85,364	85,598	88,739	86,380	88,901	91,602	15,070	14,172	14,759
	USA	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
	USA	101,676	106,318	110,376	96,862	102,146	106,995	25,688	24,699	20,038
Maize	USA	22,167	24,360	26,861	20,226	22,410	24,822	608	694	793
Soyabean	USA	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 11.4 Production Projections of Potatoes and Onion

Commodity	Production	2012	2013	2017	2020
Potato	Production (MMT)	37.2	38.5	50.5	61.8
	India share in world %	11.4	11.8	15.4	18.8
Onion	Production (MMT)	17.0	16.7	20.3	23.5
	India share in world %	19.8	18.7	19.6	20.4

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

12

Imports & Exports of Agricultural Products



Table 12.1

India's Imports and Exports of Agricultural Commodities

(Value ₹ Crore)

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
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 (P)	109211.51	2669839.78	4.09	230141.13	1634672.95	14.10

P- Provisional

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

Chart 12(a)

Trends in Agricultural Imports/ Exports and Share out of Total National Imports/ Exports

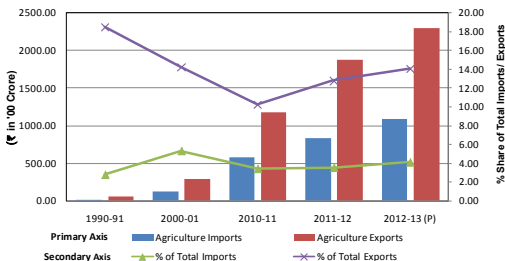


Table 12.2 India's Imports of Agricultural Products

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

Commodity	2011-12		2012-13 (P)	
	Quantity	Value	Quantity	Value
Pulses	3364.80	8931.24	3837.56	12738.64
Wheat	0.02	0.08	2.94	6.03
Rice	1.06	5.48	0.70	3.94
Other Cereals	15.36	30.04	45.15	110.60
Cereal Preparation	48.06	316.89	49.85	332.08
Milk & Cream	63.08	1037.72	5.34	107.21
Cashew Nuts	809.82	5338.64	892.16	5331.12
Cashew shelled	2.08	42.79	6.16	102.08
Fruits & Nuts Excluding Cashew Nuts		4658.38	...	5972.00
Spices	128.69	2190.80	153.77	2589.91
Sugar	99.73	313.83	1114.81	3071.71
Oil Seeds	...	93.89	...	405.79
Vegetable Oils Fixed (Edible)	8445.01	46255.31	11012.73	61106.44
Vegetable & Animal fats	0.86	19.99	1.16	37.04
Cotton (Raw & Waste)	77.42	1059.19	231.01	2464.53
Jute (Raw)	181.26	449.17	148.73	370.79
Tea	22.43	218.91	22.30	274.43
Wood & Wood Products	...	11856.80	...	14187.17
Total Agricultural Imports	...	82819.15	...	109211.51
Total National Imports	...	2345463.24	...	2669839.78
% Share of Agricultural Import in National Exports	...	3.53	...	4.09

P- Provisional

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

Table 12.3 India's Exports of Agricultural Products

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

Commodity	2011-12		2012-13 (P)	
	Quantity	Value	Quantity	Value
Pulses	174.20	1065.84	201.65	1279.90
Rice Basmati	3178.18	15449.60	3456.52	19391.31
Rice(Other than Basmati)	3997.72	8659.13	6663.66	14416.90
Wheat	740.75	1023.27	6471.98	10488.35
Other Cereals	4073.69	5492.92	5463.44	8217.22
Tea	292.35	4078.53	267.49	4677.08
Coffee	278.87	4534.62	253.95	4712.51

Contd..

Commodity	2011-12		2012-13 (P)	
	Quantity	Value	Quantity	Value
Tobacco Unmanufactured	197.17	2899.46	230.34	3814.98
Tobacco Manufactured	...	1106.96	...	1221.03
Dairy Products	...	610.60	...	1763.66
Floriculture Products	...	365.32	...	423.45
Spices	935.82	13220.23	994.24	15318.92
Cashewnut Shell Liquid	14.63	59.46	9.19	29.84
Cashew	131.76	4390.68	104.02	4067.21
Sesamum Seed	389.15	2641.66	299.52	2881.55
Nigerseed	28.23	117.27	17.90	90.13
Groundnut	832.62	5246.45	535.67	4065.59
Guargum Meal	707.33	16523.87	404.72	21190.16
Oil Meals	7406.37	11796.46	6342.95	15821.69
Castor Oil	492.63	4571.67	566.37	4314.78
Shellac	4.55	256.79	3.60	400.95
Sugar	2741.36	8766.78	2794.37	8576.20
Molasses	384.13	204.33	349.13	225.44
Fruits/Vegetable Seeds	15.21	287.76	17.18	349.21
Fresh Fruits	...	2557.55	...	3290.51
Fresh Vegetables	...	2907.15	...	3096.59
Processed Vegetables	...	1057.36	...	1119.74
Processed Fruit Juices	...	1656.19	...	1972.45
Miscellaneous Processed Items	...	3832.33	...	4956.47
Meat & Preparations	...	14110.93	...	17902.36
Marine Products	972.21	16584.71	964.38	18833.06
Cotton Raw including Waste	2003.58	21624.20	2014.82	19812.85
Jute Hessian	...	945.83	...	868.46
Poultry Products	...	388.35	...	460.10
Paper/Wood products	...	8575.10	...	10363.49
Total Agricultural Exports	...	187609.33	...	230414.13
Total National Exports	...	1465959.39	...	1634672.95
% Share of Agricultural Exports in National Exports	...	12.80	...	14.10

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

13

International Comparisons



Table 13.1 India's Position in World Agriculture in 2011

Item	India	World	% Share	India's Rank	Next to
1. Total Area (Million Hectares)	329	1 3461	2.4	Seventh	Russian Federation, Canada, U.S.A., China, Brazil, Australia
Land Area	297	1 3003	2.3	Seventh	Russian Federation, China, U.S.A., Canada, Brazil, Australia
Arable Land	157	1396	11.3	Second	U.S.A.
2. Total Population* (Million)	1241	6974	17.8	Second	China
Agriculture	595	2620	28.6	Second	China
3. Economically Active Population* (Million)					
Total	505	3324	15.2	Second	China
Agriculture	273	1312	20.8	Second	China
4. Crop Production (Million Tonnes)					
(A) : Total Cereals	288	2589	11.1	Third	China, USA
Wheat	86	701	12.3	Second	China
Rice (Paddy)	157	722	21.7	Second	China
Total Pulses	17.6	68	25.9	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

Contd...



Item	India	World	% Share	India's Rank	Next to
6. Commercial Crops (Million Tonnes)					
(A) : Sugarcane	342	1800	19.0	Second	Brazil
(B) : Tea	0.96	4.7	20.6	Second	China,
(C) : Coffee (green)	0.30	8.45	3.6	Seventh	Brazil, Vietnam, Indonesia, Colombia, Ethiopia, Peru
(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	211	1430	14.7	Third	Brazil, China
(B) : Buffaloes	113	195	57.8	First	
(C) : Camels	0.45	26.6	1.7	Tenth	Somalia, Sudan, Kenya, Niger, Chad, Mauritania, Ethiopia, Pakistan, Mali
(D) : Sheep	75	1094	6.8	Second	China
(E) : Goats	157	924	17.0	First	
(F) : Chicken	942	20708	4.5	Fifth	China, USA, Indonesia, Brazil
8. Animal Products					
(A) : Total Milk (000 MT)	127	739.36	17.2	First	
(B) : Eggs Total (000 MT)	3490	70615.637	4.9	Third	China, U.S.A.
(C) : Total Meat (000 MT)	6228	298871	2.1	Sixth	China, U.S.A., Brazil, Germany, Russia
9. Implements (Thousands numbers)*					
Agricultural Tractors-in-use	3149	29320	10.7	Second	USA

* Figure relates to 2007

Source: FAO Statistics

Table 13.2

Global Comparison of Area, Production and Yield of Principal Crops (2012)

Area (M. Hectare), Production (M.Tonnes), Yield (Tonnes/Hectare)

Country	Area	Production	Yield	Production (%)
1. Paddy				
World	163.46	718.35	4.39	100.00
China	30.56	206.09	6.74	28.69
India	42.50	152.60	3.59	21.24
Indonesia	13.44	69.05	5.14	9.61
Bangladesh	11.70	34.20	2.92	4.76
Vietnam	7.75	43.66	5.63	6.08
2. Wheat				
World	216.64	674.88	3.12	100.00
China	24.14	120.58	5.00	17.87
India	29.90	94.88	3.17	14.06
Russian Federation	21.28	37.72	1.77	5.59
U.S.A.	19.83	61.76	3.11	9.15
3. Maize				
World	176.99	875.10	4.94	100.00
U.S.A.	35.36	273.83	7.74	31.29
China	34.97	208.26	5.96	23.80
Brazil	14.23	71.30	5.01	8.15
Mexico	6.92	22.07	3.19	2.52
Indonesia	3.96	19.38	4.89	2.21
India	8.40	21.06	2.51	2.41
4. Sugarcane				
World	25.76	1773.81	68.85	100.00
Brazil	9.41	670.76	71.30	37.81
India	5.09	347.87	68.34	19.61
China	1.80	124.17	68.81	7.00
Thailand	1.30	96.50	74.23	5.44
Pakistan	1.05	58.04	55.49	3.27
5. Groundnut (in shell)				
World	24.63	41.27	1.68	100.00
China	4.73	16.88	3.57	40.71
India	4.90	5.78	1.18	14.00
Nigeria	2.42	3.07	1.27	7.44
U.S.A.	0.65	3.06	4.70	7.41
Myanmar	0.88	1.37	1.56	3.32

Source: FAO, Regional Office for Asia and the Pacific, Bangkok.

Table 13.3**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 \$
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
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 per capita is based on PPP (Current International Dollars) Source:- Statistical Year Book India- 2013, Ministry of Statistics & Programme Implementation

Table 13.4**Major Macro Economic, Land-Use and Social Indicators of BRICS Economies in 2011**

Indicators	Brazil	Russia	China	India	South Africa
Macro-Economic Indicators					
Total Population (Million)	196.66	142.41	1347.35	1210.98	50.46
Urban Population (% of Total)	85.00	74.00	51.00	31.80	62.00
Share in World Exports (%)	1.40	2.90	10.40	1.70	0.50
GDP in PPP (US \$ Billion)	2270.40	2363.18	11189.11	4489.29	552.15

Contd...

Indicators	Brazil	Russia	China	India	South Africa
GDP (US \$ Billion)	2474.64	1899.09	7321.99	1872.85	402.25
Per Capita GDP (US \$) 2011	12583.64	13335.23	5434.36	1546.55	7971.62
Land Use Indicators					
Land Area (Million ha)	845.94	1637.69	932.75	297.32	121.31
Arable Land Area (Million Ha)	71.93	121.50	111.60	157.35	12.03
Irrigated Land (Million Ha)	5.40	4.30	66.40	66.80	1.60
Irrigated Land (% of arable land)	7.51	3.54	59.50	42.45	13.30
Area Harvested for Cereals (Million Ha)	19.22	40.60	91.01	100.52	3.21
Production of Cereals (Million Tonnes)	77.59	91.79	519.40	287.86	12.92
Major Health Indicators					
Health expenditure per capita (current US\$)	1120.56	806.70	278.02	59.10	689.27
Health expenditure, public (% of GDP)	4.07	3.70	2.89	1.20	4.06
Health expenditure, total (% of GDP)	8.90	6.20	5.16	3.87	8.52
Life expectancy at birth, total (years)	73.35	69.00	75.04	65.96	55.30
Mortality rate, infant (per 1,000 live births)	13.60	9.40	12.90	45.40	34.20
Labor and Social Protection Indicators					
Age dependency ratio, young (% of working-age population)	36.89	21.09	24.52	45.79	45.51
Birth rate, crude (per 1,000 people)	15.33	12.60	11.93	21.00	21.32
Population growth (annual %)	0.88	0.40	0.48	1.28	1.18
Labor participation rate, total (% of total population ages 15+)	69.90	63.00	74.10	55.60	52.30
Unemployment, total (% of total labor force)	...	6.60	4.10	...	24.70

Source: IMF, World Economic Outlook Database, Oct 2013, 2. World Bank, World Development Indicators, 2013
3. World Bank, International Trade Statistics, 2012, 4. FAO Statistics

Table 13.5 Major Economic and Land-Use Indicators : India and China

Indicator Name	China			India		
	2010	2011	2012	2010	2011	2012
GDP growth (annual %)	10.40	9.30	7.80	10.55	6.33	3.24
Population growth (annual %)	0.48	0.48	0.49	1.29	1.28	1.26
Arable land (% of land area)	11.94	11.96	...	52.98	52.92	...
Agricultural land (sq. km)	5188014	5191482	...	1797590	1797990	...
Agricultural land (% of land area)	55.62	55.66	...	60.46	60.47	...
Agricultural irrigated land (% of total agricultural land)	...	...	...	35.19	...	...
Agriculture, value added (% of GDP)	10.06	10.05	...	17.98	17.55	17.39
Agricultural methane emissions (% of total)	35.92	...	...	60.76	...	...
Fertilizer consumption (kilograms per hectare of arable land)	548.29	...	...	178.53	...	...
Inflation, consumer prices (annual %)	3.31	5.41	2.65	11.99	8.86	9.31
Land-Use Indicators						
Area Harvested (Million Hectares)						
Wheat	24.26	24.27	24.14	28.46	29.07	29.90
Rice (Paddy)	29.87	30.06	30.30	42.86	43.97	42.50
Maize	32.50	33.54	34.95	8.55	8.71	8.40
Soyabean	8.52	7.89	6.75	9.55	10.18	10.80
Wheat	115.18	117.41	120.58	80.80	86.87	94.88
Rice (Paddy)	195.76	201.00	204.29	143.96	157.90	152.60
Maize	177.43	192.78	208.13	21.73	21.76	21.06
Soyabean	15.08	14.49	12.80	12.74	12.21	11.50

Source: FAO Statistics and World Development Indicators 2013, World Bank

Note: Figures for China pertain to China Mainland only

Table 13.6 Inflation (Consumer prices) in Major Economies (Annual %)

Country	2009	2010	2011	2012
Australia	1.82	2.85	3.39	1.76
Bangladesh	5.42	8.13	10.71	8.74
Brazil	4.89	5.04	6.64	5.40
Canada	0.30	1.78	2.91	1.52
Switzerland	-0.48	0.70	0.23	-0.67
China	-0.70	3.31	5.41	2.65
Germany	0.31	1.10	2.08	2.01
Euro area	0.37	1.54	3.27	2.49
European Union	0.95	1.67	3.31	2.72
United Kingdom	2.17	3.29	4.48	2.82
Hong Kong SAR, China	0.61	2.34	5.26	4.06
Indonesia	4.81	5.13	5.36	4.28
India	10.88	11.99	8.86	9.31
Italy	0.75	1.54	2.74	3.04
Japan	-1.35	-0.72	-0.28	-0.03
Mexico	5.30	4.16	3.41	4.11
OECD members	0.86	1.83	3.34	2.47
Pakistan	13.65	13.88	11.92	9.69
Russian Federation	11.65	6.86	8.44	5.07
South Asia	4.89	9.05	9.20	9.38
Singapore	0.60	2.80	5.25	4.53
United States	-0.36	1.64	3.16	2.07
World	2.92	3.55	4.98	3.69

Source: World Bank

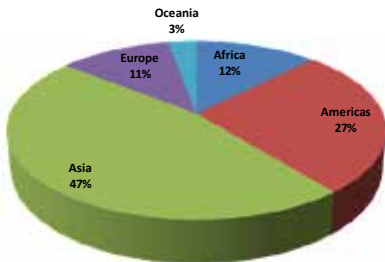
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Agricultural Emissions



Chart 14(a)

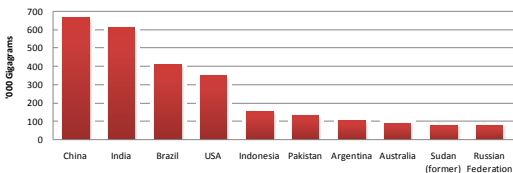
All GHG Emissions from Agriculture sector in Major Continents in 2010



Source: FAO Statistics

Chart 14(b)

Total GHG Emissions from Agriculture Sector in Major Countries in 2010



Source: FAO Statistics

Appendices



A.1: Explanatory Notes

Advance Estimates

The estimates of area, production and yield rates for 2012-13 are "Advance Estimates" as on 22-07-2013 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 2012-13

The index numbers of area, production and yield rate for 2012-13 (from where growth rates have been derived) are based on advance estimates of principal crops as on 22-07-2013. However, there are a number of 'non-forecast' crops such as plantation crops, cardamom and spices for which no advance estimates for 2012-13 (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 cotton seed 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
Rice (Cleaned) Production	2/3 of Paddy Production
Cotton	
Cotton Lint Production	1/3 of Kapas Production
Cotton Seed Production	2/3 of Kapas Production 2 Times of Cotton Lint Production
Jute	
100 Yards of Hessian	54 lbs. of Raw Jute
4148 Yards of Hessian	1 Ton of Raw Jute 5.55 Bales of Raw Jute (of 180 Kgs. Each)
1 Ton of Sacking	1.11 Tons of Raw Jute 6.17 Bales of Raw Jute(of 180 Kgs. Each)
1 Ton of Hessian	1.05 Tons of Raw Jute
Sacking etc.	5.85 Bales of Raw Jute (of 180 Kgs. Each)
Groundnut	
Kernel to Nuts in Shell	70 Percent
Oil to Nuts in Shell	28 Percent
Oil to Kernels Crushed	40 Percent
Cake to KernelsCrushed	60 Percent

Contd..



Commodity	Conversion Factor
Sesamum	
Oil to Seeds Crushed	40 Percent
Cake to Seeds Crushed	60 Percent
Rapseedand 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
Cake to Seeds Crushed	64 Percent
Neem Seed	
Oil to Kernels Crushed	45 to 50 Percent
Caketo Kernels Crushed	50 to 55 Percent
Soyabean Seed	
Oil to Soyabean Seed Crushed	18 Percent
Meal to Soyabean Seed Crushed	73 Percent

Contd...

Commodity	Conversion Factor
Hull from Soyabean Seed Crushed	8 Percent
Wastage from SoyabeanSeed 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) from standard Gur Refined	46 Percent
Molasses from CaneCrushed	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 StickLac
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	Others Varieties	Hybrid
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	-

Contd...

Crop	Others Varieties	Hybrid
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	-
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



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