



AN OVERVIEW OF INDIAN FARMERS AND AGRICULTURE

ALLIANCE FOR SUSTAINABLE & HOLISTIC AGRICULTURE (ASHA)

Number of Cultivators and Agricultural Labourers as per Census 2011



Year	Total Population, in Millions	Rural Population, in Millions (%age of Total Population)	Total Workers, in Millions	Agricultural workers (in Millions)		Total Agri Workers in Millions (%age of Total workers)
				Cultivators (%age of total agri workers)	Agricultural Labourers (%age of total agri workers)	
1951	361.1	298.6 (82.7)	139.5	69.9 (71.9)	27.3 (28.1)	97.2 (69.7)
1961	439.2	360.3 (82.0)	188.7	99.6 (76.0)	31.5 (24.0)	131.1 (69.5)
1971	548.2	439.0 (80.1)	180.4	78.2 (62.2)	47.5 (37.8)	125.7 (69.7)
1981	683.3	525.6 (76.9)	244.6	92.5 (62.5)	55.5 (37.5)	148.0 (60.5)
1991	846.4	630.6 (74.5)	314.1	110.7 (59.7)	74.6 (40.3)	185.3 (59.0)
2001	1028.7	742.6 (72.2)	402.2	127.3 (54.4)	106.8 (45.6)	234.1 (58.2)
2011	1210.8	833.7 (68.9)	481.7	118.8 (45.1)	144.3 (54.9)	263.1 (54.6)

Men and Women in Agriculture, Census of India

	2001 Census			2011 Census		
	Total	Male	Female	Total	Male	Female
Cultivators, absolute Nos.	127312851	85416498	41896353	118692640	82706724	35985916
Out of total cultivators	100	67.1%	32.9%	100	69.7%	30.3%
Agri Labourers, absolute Nos	106775330	57329100	49446230	144329833	82740351	61589482
Out of total agriculture labourers	100	53.7%	46.3%	100	57.3%	42.7%
TOTAL workers in Agriculture	234088181	142745598	91342583	263022473	165447075	97575398
Out of total workers in agriculture	100.0	61%	39%	100	63%	37%
Cultivators' percentage within total Males and total Females		60%	46%		50%	37%

Source: compiled from Census data

Number of agricultural households as per NSSO 70th Round



Social Group	Estimated Number (Crores)	No. of HHs % <0.01 Ha	No. of HHs % 0.01-0.40 Ha	No. of HHs % 0.41-1.00 Ha	No. of HHs % 1.01-2.00 Ha	No. of HHs % 2.01-4.00 Ha	No. of HHs % 4.01-10.00 Ha	No. of HHs % 10.00+ Ha
ST	1.21	1.9%	22.9%	40.8%	22.5%	9.6%	2.2%	0.1%
SC	1.47	4.6%	44.0%	34.1%	11.5%	4.5%	1.4%	0.1%
OBC	4.10	3.0%	31.3%	34.7%	17.2%	9.7%	3.6%	0.5%
Others	2.24	1.1%	29.9%	32.6%	17.9%	11.8%	6.1%	0.6%
Total	9.02 (100%)	0.24 Cr. (2.6%)	2.87 Cr (31.9%)	3.15 Cr (34.9%)	1.55 Cr (17.1%)	0.84 Cr (9.4%)	0.33 Cr (3.7%)	0.04 Cr (.4%)

Distribution of Agricultural Households by size class of land possessed (Ha) & Social Background; (NSSO excluded households which are entirely agricultural labour households, households receiving income entirely from coastal fishing, activity of rural artisans and agricultural services)

Other “Farmers”



Number of landless rural households in India ([NSSO 70th Round, Jan-Dec.2013, Report No.571](#))

- In the 70th NSS Round, 7.41% of 15.6 crore rural households were landless (owning no or less than 0.002 Ha): **1.16 crore HHs**
- In the 59th NSS Round, **1.48 crore households** (10% of rural households) were estimated to be landless.

NUMBERS IN FOREST, FISHERIES AND LIVESTOCK SECTORS

- [Livestock sector](#): 2.24 crore persons
- [Fisheries sector](#): 1.4 crore persons
- Forest-dwellers: 10 crore persons (no official figures for this)

GROSS CROPPED AREA AND NET SOWN AREA IN INDIA

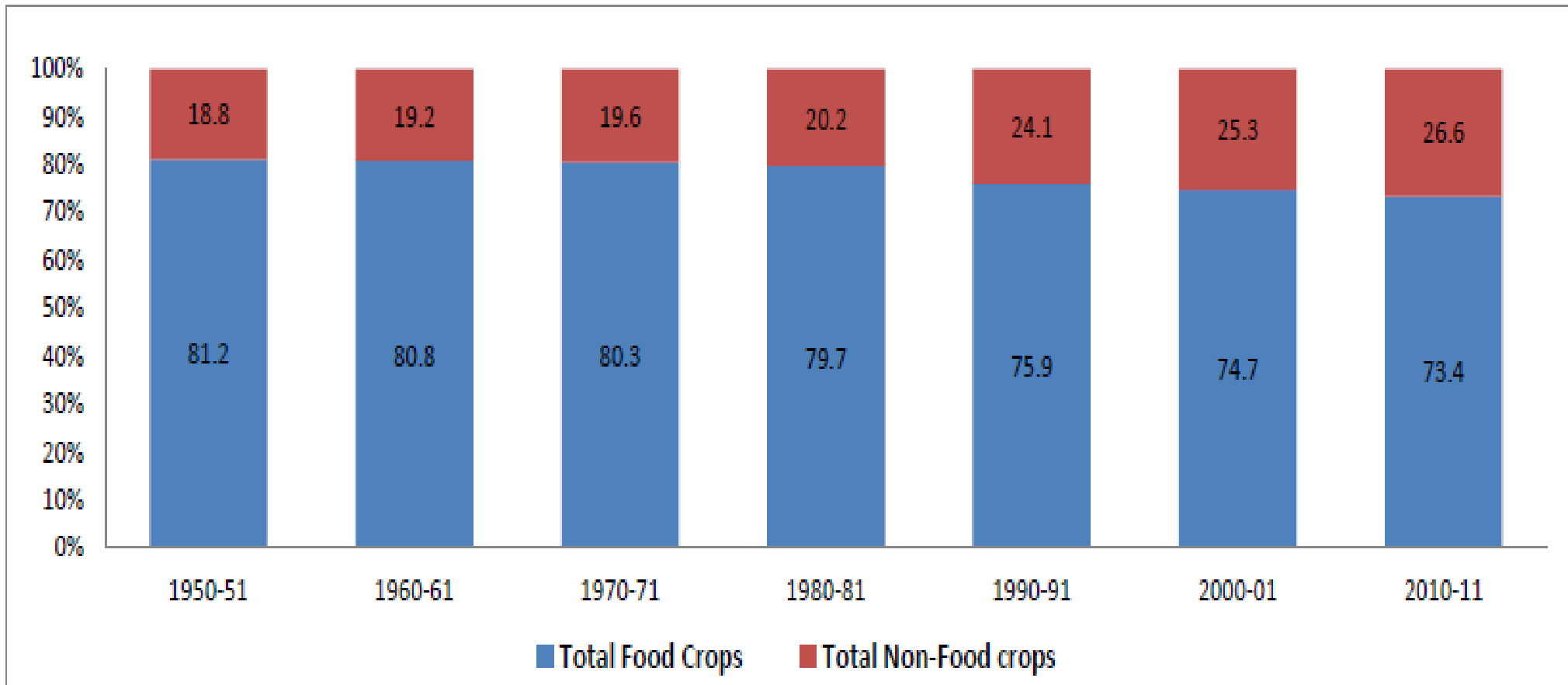


Geographical Area, 2014-15	328.73 million hectares
Net Sown Area, 2014-15	140.13 million hectares (decline of 3 million hectares compared to 1990-91)
Gross Cropped Area, 2014-15	198.36 million hectares
Net Irrigated Area, 2014-15	68.38 million hectares
Gross Irrigated Area, 2014-15	96.46 million hectares

(Source: Table 4.1, Pocket Book 2018 -

<https://eands.dacnet.nic.in/PDF/Pocket%20Book%202018.pdf>)

Chart 4 (c): Distribution of Gross Cropped Area



Source: Directorate of Economics & Statistics

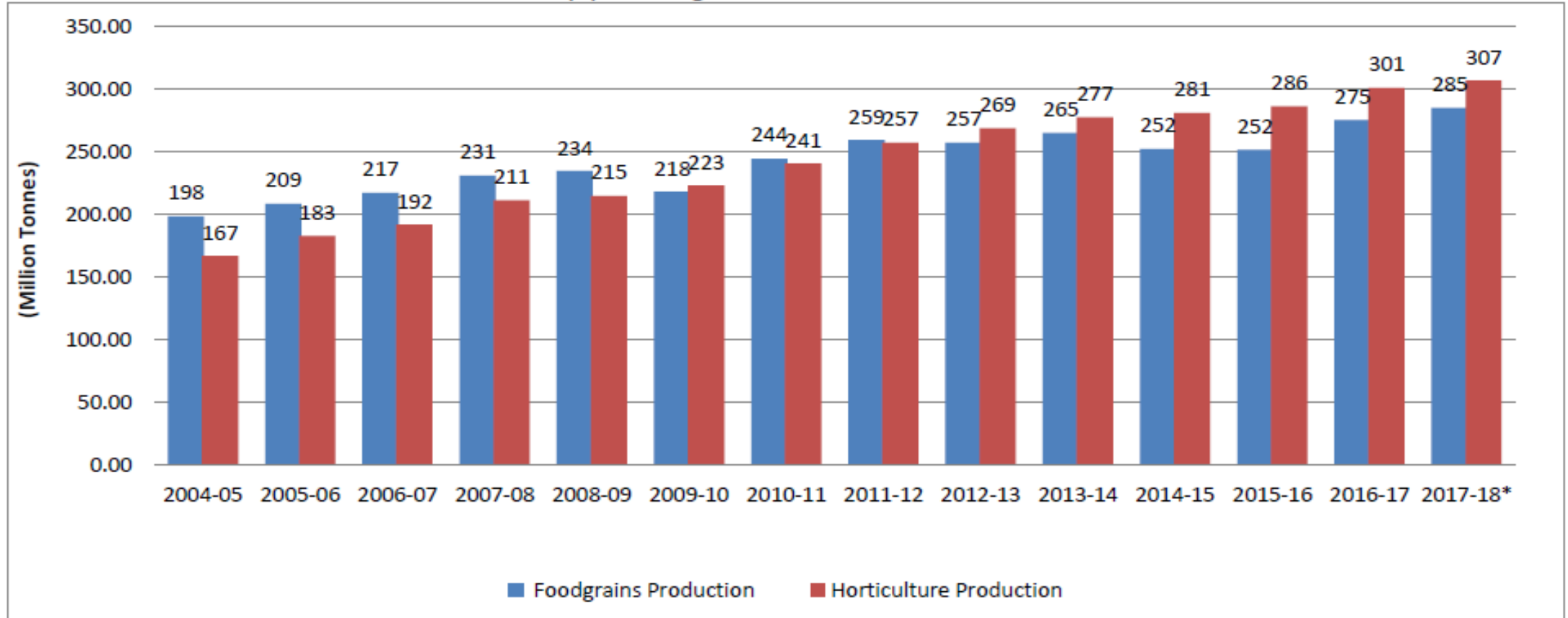
Table 5.2(a): Year-wise Area under major crops

Crop	(Million Hectares)													
	1950-51	1960-61	1970-71	1980-81	1990-91	2000-01	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
Rice	30.81	34.13	37.59	40.15	42.69	44.71	42.86	44.01	42.75	44.14	44.11	43.50	43.99	43.79
Wheat	9.75	12.93	18.24	22.28	24.17	25.73	29.07	29.86	30.00	30.47	31.47	30.42	30.79	29.58
Nutri Cereals	37.67	44.96	45.95	41.78	36.32	30.26	28.34	26.42	24.76	25.22	25.17	24.39	25.01	24.21
Pulses	19.09	23.56	22.54	22.46	24.66	20.35	26.40	24.46	23.26	25.21	23.55	24.91	29.45	29.99
Foodgrains	97.32	115.58	124.32	126.67	127.84	121.05	126.67	124.75	120.78	125.04	124.30	123.22	129.23	127.56
Oilseeds	10.73	13.77	16.64	17.60	24.15	22.77	27.22	26.31	26.48	28.05	25.60	26.09	26.18	24.65
Sugarcane	1.71	2.42	2.62	2.67	3.69	4.32	4.88	5.04	5.00	4.99	5.07	4.93	4.44	4.73
Cotton	5.88	7.61	7.61	7.82	7.44	8.53	11.24	12.18	11.98	11.96	12.82	12.29	10.83	12.43
Jute & Mesta	0.57	0.90	1.08	1.30	1.02	1.02	0.87	0.90	0.86	0.83	0.81	0.78	0.76	0.74

Source: Directorate of Economics and Statistics

* 4th Advance Estimates

Chart 6(a): Foodgrain and Horticulture Production



Source: Department of Agriculture, Cooperation & Farmers Welfare

IRRIGATION EXTENT, SOURCE WISE

NET AREA UNDER IRRIGATION BY SOURCE, ALL INDIA PICTURE, FOR 2013-14

Source	Area in hectares	Percentage
Total Net Area Irrigated	68,100,000 hectares	100%
Canals	16,278,000 hectares	23.9%
Tanks	01,842,000 hectares	2.7%
Tube wells	31,126,000 hectares	45.7%
Other wells	11,312,000 hectares	16.6%
Other sources	07,542,000 hectares	11.1%

Source: Statistical Year Book India 2017, All India Table 12.1 (A):

<http://mospi.nic.in/statistical-year-book-india/2017/181>

Table 8.16: State-wise Area covered under Micro Irrigation

(As on 31.03.2018)				
(Hectare)				
S.No.	State	Drip	Sprinkler	Total
(1)	(2)	(3)	(4)	(5)
1	Andhra Pradesh	1150758	434191	1584949
2	Arunachal Pradesh	613	0	613
3	Assam	373	848	1221
4	Bihar	10496	104080	114576
5	Chattisgarh	21981	275362	297343
6	Goa	1186	1129	2315
7	Gujarat	636663	644473	1281136
8	Haryana	30038	564873	594911
9	Himachal Pradesh	5160	4130	9290
10	Jammu & Kashmir	23	57	80
11	Jharkhand	18011	14401	32412
12	Karnataka	581340	705300	1286640
13	Kerala	23083	8245	31328
14	Madhya Pradesh	293610	227815	521425
15	Maharashtra	1089600	455769	1545369
16	Manipur	288	30	318
17	Meghalaya	308	307	615
18	Mizoram	3064	1364	4428
19	Nagaland	444	5005	5449
20	Odisha	23240	89409	112649
21	Punjab	35375	12906	48281
22	Rajasthan	228923	1607827	1836750
23	Sikkim	6044	3042	9086
24	Tamil Nadu	412370	90836	503206
25	Telangana	163577	58333	221910
26	Tripura	444	1651	2095
27	Uttar Pradesh	21960	77067	99027
28	Uttarakhand	4834	3029	7863
29	West Bengal	629	52688	53317
30	Others	15169	30636	45805
	Total	4779604	5474803	10254407

Source : Department of Agriculture, Cooperation & Farmers Welfare

Table 8.7: Consumption of Electricity for Agricultural Purposes

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

Source: Central Electricity Authority, Delhi

Number of operational landholdings (Agriculture Census 2015-16)



	Number of Holdings '000s				Area '000 Ha				Avg size of Holding, Ha			
Year	2000-01	2005-06	2010-11	2015-16	2000-01	2005-06	2010-11	2015-16	2000-01	2005-06	2010-11	2015-16
Marginal	75408	83694	92826	99858	29814	32026	35908	37960	0.40	0.38	0.39	0.38
	(62.9)	(64.8)	(67.1)	(68.5)	(18.7)	(20.2)	(22.5)	(24.1)				
Small	22695	23930	24779	25777	32139	33101	35244	36435	1.42	1.38	1.42	1.41
	(18.9)	(18.5)	(17.9)	(17.7)	(20.2)	(20.9)	(22.1)	(23.3)				
Semi-Medium	14021	14127	13896	13776	38193	37898	37705	37168	2.72	2.68	2.71	2.70
	(11.7)	(10.9)	(10.0)	(9.4)	(24.0)	(23.9)	(23.6)	(23.6)				
Medium	6577	6375	5875	5485	38217	36583	33828	31367	5.81	5.74	5.76	5.72
	(5.5)	(4.9)	(4.2)	(3.8)	(24.0)	(23.1)	(21.2)	(20.0)				
Large	1230	1096	973	831	21072	18715	16907	14212	17.12	17.08	17.38	17.10
	(1.0)	(0.8)	(0.7)	(0.6)	(13.2)	(11.8)	(10.6)	(9.0)				
All Holdings	119931	129222	138348	145727	159436	158323	159592	157142	1.33	1.23	1.15	1.08

Female Operational Holdings : 20218 out of total 145727 thousand holdings – **13.87%**

Female operated area: 18187 out of total 157142 thousand hectares – **11.57%**

Livestock Numbers - Overview



NUMBERS ([19th Livestock Census](#), 2012)

- Total Livestock: 512.06 million numbers
- Total Bovines: 299.98 millions
- Sheep & Goats: 200.24 millions
- Poultry: 729.21 millions

PRODUCTION

- Total milk production: 176.3 million tonnes in 2017-18
- Total eggs production: 95.2 billion numbers in 2017-18
- Total wool production: 41.5 million kilos in 2017-18
- Total fish production: 12.61 million tonnes in 2017-18

Source: Pocket Book of Agricultural Statistics 2017

COOPERATIVES



NUMBER OF PRIMARY AGRICULTURAL CREDIT SOCIETIES (PACS)

- Number of PACS: 92789 ; Number of Members: 12,10,88,000

Source: Statistical Year Book India 2017 (<http://mospi.nic.in/statistical-year-book-india/2017/213>), Year: 2014-15

DAIRY COOPERATIVES IN INDIA

- Number of village level societies: 155,634
- Membership: 1.51 crores out of which 0.43 crores are women
- Annual amount paid to producer member through dairy cooperatives touched: 260 billion rupees in 2012-13 (estimated annual value of India's milk production amounts to more than 2900 billion rupees in 2012-13)

Source: <https://www.nddb.coop/about/genesis/significant/facts>

FISHERS' COOPERATIVES

- Number of "Fishermen's" Cooperatives in 2012-13: 14731, with 21,81,296 membership

Source: http://fsi.gov.in/LATEST-WB-SITE/pdf_files/statistics/hofs-2014.pdf

AGRICULTURE CREDIT



- Number of accounts under PSL Agriculture Credit, 2017-18: **11.32 crores**
- Amount disbursed under PSL Agriculture Credit, 2017-18: **11,62,617 crore rupees**

Source: Data submitted by banks in ENSURE portal of NABARD, and as submitted in a Gol affidavit to the Supreme Court of India

- Kisan Credit Cards – cumulative number issued since inception: **17.68 crores** as on 31/3/2018

Table 8.9: Flow of Institutional Credit to Agriculture Sector

(Status as on 31-03-2018)

(₹ crore)

Particulars/Agency (1)	2007-08 (2)	2008-09 (3)	2009-10 (4)	2010-11 (5)	2011-12 (6)	2012-13 (7)	2013-14* (8)	2014-15* (9)	2015-16* (10)	2016-17* (11)	2017-18#(P) (12)
I. Production (ST) Credit											
Co-operative Banks	43294	40164	56946	69038	81829	102592	113574	130350	143803	131880	138348
RRBs	21133	22413	29802	38121	47401	55957	70697	89326	101579	105001	119546
Commercial Banks	116966	147818	189908	228391	266928	314951	364164	415736	419930	452576	497078
Other Agencies		66									
Sub Total (A)	181393	210461	276656	335550	396158	473500	548435	635412	665312	689457	754972
II. MT/LT Credit											
Co-operative Banks	4964	5802	6551	9083	6134	8611	6389	8119	9492	10878	12041
RRBs	4179	4352	5415	6172	7049	7724	11956	13157	17681	18215	21413
Commercial Banks	64122	81133	95892	117486	101688	117540	163342	188640	223024	347205	380077
Other Agencies		160									
Sub Total (B)	73265	91447	107858	132741	114871	133875	181687	209916	250197	376298	413531
Total Credit (ST + MT/LT)											
Co-operative Banks	48258	45966	63497	78121	87963	111203	119963	138469	153295	142758	150389
RRBs	25312	26765	35217	44293	54450	63681	82653	102483	119260	123216	140959
Commercial Banks	181088	228951	285800	345877	368616	432491	527506	604376	642954	799781	877155
Other Agencies		226									
Grand Total (A+B)	254658	301908	384514	468291	511029	607375	730122	845328	915509	1065755	1168503

Source: Department of Agriculture, Cooperation & Farmers Welfare

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

Data submitted by banks on ENSURE portal of NABARD

ST: Short Term

MT: Medium Term

LT: Long Term

P: Provisional

AGRICULTURE INSURANCE/DISASTER COMPENSATION



TOTAL PREMIUM COLLECTED BY INSURANCE COMPANIES IN PMFBY

Year (both Kharif and Rabi seasons)	Total Premium collected by Insurance companies	Number of farmers insured	Per farmer insurance cover spending
2016-17	21983 crores	5.77 crore farmers	Rs. 3810/year
2017-18	25426 crores	5.21 crore farmers	Rs. 4880/year
2018-19	28311 crores	5.40 crore farmers	Rs. 5243/year

14th Finance Commission award to Disaster Response Fund for 5 years: 55000 crores

Per farm HH availability, over 5 years: Rs. 6100 in all.

Picture of Agriculture Insurance in past 3 years



Year	No. of Farmers Insured	No. of Farmers Benefited by Claims	Total Claims Paid to Farmers
2014-15	37.08 million	19.09 million	Rs. 7,775 Cr.
2015-16	48.55 million	29.94 million	Rs. 20,789 Cr.
2016-17	57.21 million	30.13 million	Rs. 15,902 Cr.
2017-18	48.77 million	12.60 million (Most claims of Rabi 2018 yet to be paid)	Rs. 15,710 Cr. (Most claims of Rabi yet to be paid)
Kharif 2018	31.02 million	Ongoing season	Ongoing season

Source: Compiled from Parliament Replies

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

											(₹ in lakh)
S.No.	State / UTs	No. of Farmers covered	Area Insured (In Ha)	Sum Insured	Farmers' Premium	Gol Premium (Share)	State Govt. Premium (Share)	Gross Premium	Claims Reported	Claims Paid	No. of Farmers Benefitted
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
1	Andhra Pradesh	2070909	1762127.38	1204050.23	28176.42	44286.31	44286.31	116749.04	64409.75	53653.39	222395.00
2	Andaman & Nicobar Islands	688	501.58	94.23	0.94	1.59	2.06	4.59	14.56	14.56	295.00
3	Arunachal Pradesh										
4	Assam	65808	47539.60	29477.68	623.42	400.49	400.49	1424.41	91.78	67.78	1541.00
5	Bihar	4708756	4330124.13	2069805.77	36130.29	92101.51	92101.51	220333.31	75017.62	71777.62	330328.00
6	Chhatisgarh	3006604	4633625.97	1406163.71	27144.06	20195.04	20195.04	67534.14	152876.32	152752.20	779051.00
7	Dadra & Nagar Haveli										
8	Daman & Diu										
9	Goa	143	88.05	63.83	1.27	0.09	0.09	1.45	0.23	0.23	4.00
10	Gujarat	3367246	5178233.98	2215890.08	55253.89	216379.06	229991.49	501624.44	213771.03	213596.10	1028270.00
11	Haryana	2689605	4016730.35	2403107.89	40500.81	16208.24	24974.29	81683.35	115983.86	114910.29	518205.00
12	Himachal Pradesh	491405	163072.71	61865.22	924.54	959.17	959.17	2842.88	1716.59	1716.59	86436.00
13	Jammu & Kashmir	152143	152566.49	48530.90	899.94	1599.32	1599.32	4098.58	991.00	991.00	26231.00
14	Jharkhand	2077676	675615.10	351873.76	6840.96	21036.58	21036.57	48914.11	7277.69	7051.86	184537.00
15	Karnataka	4212496	4346912.98	1752076.74	42346.00	132194.25	132194.25	306734.50	245884.86	239730.75	2167970.55
16	Kerala	34110	30025.05	28337.10	572.25	321.98	321.98	1216.21	732.16	729.66	5310.00
17	Lakshadweep										
18	Madhya Pradesh	13358486	24197236.55	7790373.53	140410.06	346193.76	346193.76	832797.58	725387.61	714805.23	2782967.00
19	Maharashtra	21791250	12792524.47	3953493.14	98514.94	315557.10	315557.10	729629.15	460486.96	460438.72	7959818.00
20	Manipur	17475	27785.78	8671.14	148.54	202.42	202.42	553.37	245.54	245.54	10819.00
21	Meghalaya	3034	3436.29	2724.11	102.22	21.99	21.99	146.19	4.34	17559.34	247427.00
22	Mizoram	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	Nagaland										
24	Odisha	3399380	2509811.80	1366072.39	26917.87	49412.41	49412.41	125742.69	215213.13	215213.13	901420.00
25	Puducherry	8537	7978.62	3398.78	22.49	120.16	145.32	287.97	757.21	757.21	4299.00
26	Punjab										
27	Rajasthan	17570079	19517121.76	3839753.35	82529.64	206471.80	206478.78	495480.22	346828.58	339350.47	5351438.00
28	Sikkim	1238	237.39	119.57	1.89	0.20	0.20	2.28	10.77	10.77	225.00
29	Tamil Nadu	2920090	2573468.72	1456997.90	25072.48	121372.58	121372.58	267817.63	468877.06	406705.16	2825239.00
30	Telangana	1735345	1535191.88	861849.76	19512.86	21237.61	21237.62	61988.08	31893.00	30702.64	388258.00
31	Tripura	24434	7983.28	5099.92	88.51	12.89	12.89	114.29	166.04	166.04	6266.00
32	Uttar Pradesh	11593456	10269710.99	4513898.19	83165.63	77080.59	77080.59	237326.82	87959.38	87742.42	1638354.00
33	Uttarakhand	381318	202449.57	133669.44	1619.76	424.00	424.00	2467.75	773.48	772.16	38605.00
34	West Bengal	8190803	3866966.10	2421966.07	49354.72	46112.29	47645.99	143113.01	66970.89	63866.18	1089573.00
	Total	103872514	102849067	37929424	766876	1729903	1753848	4250628	3284341	3195327	28595282

Source: Department of Agriculture, Cooperation & Farmers Welfare

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

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

Source: Department of Agriculture, Cooperation & Farmers Welfare

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



CHANGES OVER A DECADE IN THE SITUATION OF FARM/AGRI HOUSEHOLDS IN INDIA

Parameter studied	NSSO 70th Round (in Year 2012-13)	NSSO 59th Round (in Year 2002-03)
Estimated Number of Rural Households	156.14 million	147.90 million
Estimated Number of Farmer/Agricultural Households	90.20 million	89.35 million
Proportion of farm/agri households in rural households	57.80%	60.40%

PICTURE OF MONTHLY AVERAGE RECEIPTS AND EXPENDITURE IN FARM/AGRICULTURAL HOUSEHOLDS

Breakup of Average Monthly Income per Farm/Agri Household		
Parameter studied	NSSO 70th Round (in 2012-13)	NSSO 59th Round (in 2002-03)
Total average monthly income, all India, in Rupees	6426	2115
Cultivation	47.90%	45.82%
Livestock	11.90%	4.30%
Wages/Salary	32.20%	38.72%
Non-Farm	8%	11.16%
Picture of Monthly Expenditure, in Rupees (%age of expenditure)		
Average Total Monthly Consumption Expenditure	6223.00	2770.00
Average expense on productive assets	513 (8.2%)	198 (7.2%)
Average monthly expense on Crop Prdn/Cultivation	2192 (35.2%)	733 (26.5%)
Average monthly expense on Livestock Farming	1388 (22.3%)	865 (31.2%)

Compiled for NSSO's Situation Assessment Surveys (SAS) of 70th and 59th Rounds

//////////////////// Average monthly income & consumption expenditure(₹) per agricultural household for each size class of land possessed

size class of land possessed (ha.)	income from wages (₹)	net receipt from cultivation (₹)	net receipt from farming of animals (₹)	net receipt from non-farm business (₹)	total income (₹)	total consumption expenditure (₹)
<0.01	2902	30	1181	447	4561	5108
0.01 - 0.40	2386	687	621	459	4152	5401
0.41 - 1.00	2011	2145	629	462	5247	6020
1.01 - 2.00	1728	4209	818	593	7348	6457
2.01 - 4.00	1657	7359	1161	554	10730	7786
4.01 - 10.00	2031	15243	1501	861	19637	10104
10.00+	1311	35685	2622	1770	41388	14447
all size (inc. n. r.)	2071	3081	763	512	6426	6223
agricultural households, estimated (00)	472806	831784	642764	89903	900892	902039

Source: NSSO 70th Round Situation Assessment Survey of Agricultural Households, Report No. 576

ALL INDIA MONTHLY INCOMES FOR AGRICULTURAL HOUSEHOLDS (DIFFERENT SOCIAL GROUPS), IN RS.

Combined Season, July 2012-June 2013

	<0.01	0.01-0.40	0.41-1.00	1.01-2.00	2.01-4.00	4.01-10.00	10.01+	All Size Avg Income	All Size Avg. Expenditure	Total estimated No. of HHs
All	4561	4152	5247	7348	10730	19637	41388	6426	6223	90203900
STs	6467	4815	4957	6375	8153	14270	100792	5864	5019	12096500
SCs	4177	3649	4390	6138	7874	13074	24961	4539	5321	14736200
OBCs	4582	4170	5249	7211	10654	18904	35214	6378	6239	40977800
Others	3786	4339	6028	8761	12677	22384	46030	8059	7436	22393300

Source: NSSO 576th Report, 70th Round on Situation Assessment Survey on Agricultural Households

Indebtedness in Farm/Agricultural Households

	70 th Round	59 th Round
Number of Farm/Agri Households indebted	52%	49%
Average Outstanding Loan, in Rupees	47000	12585
Proportion from Institutional sources	60%	48.5%

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

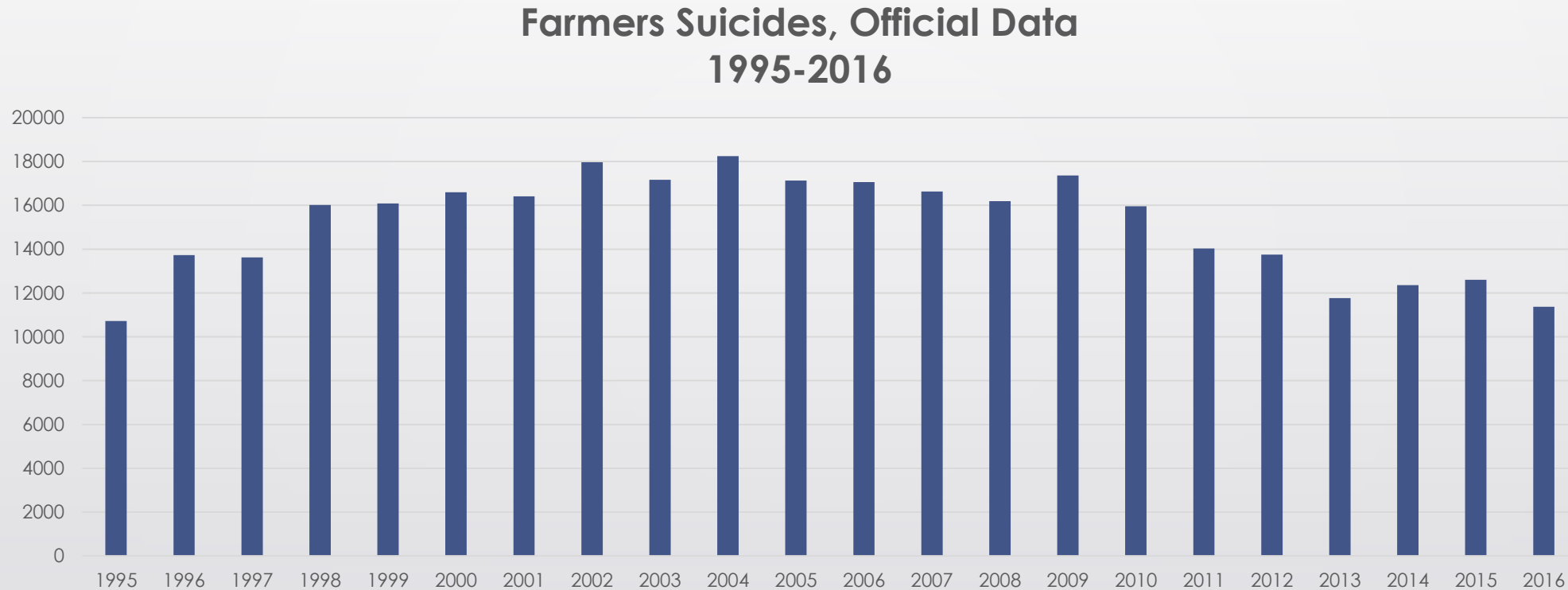
Land Possessed (hectare)	Estimated Number of Agricultural Households (lakh)	% to Total in each Class	Estimated No. of Indebted Agricultural Households (lakh)	% to Total in each Class	% of Indebted Agricultural Households to Total	Average Outstanding Loan Amount (₹)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
< 0.01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

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

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

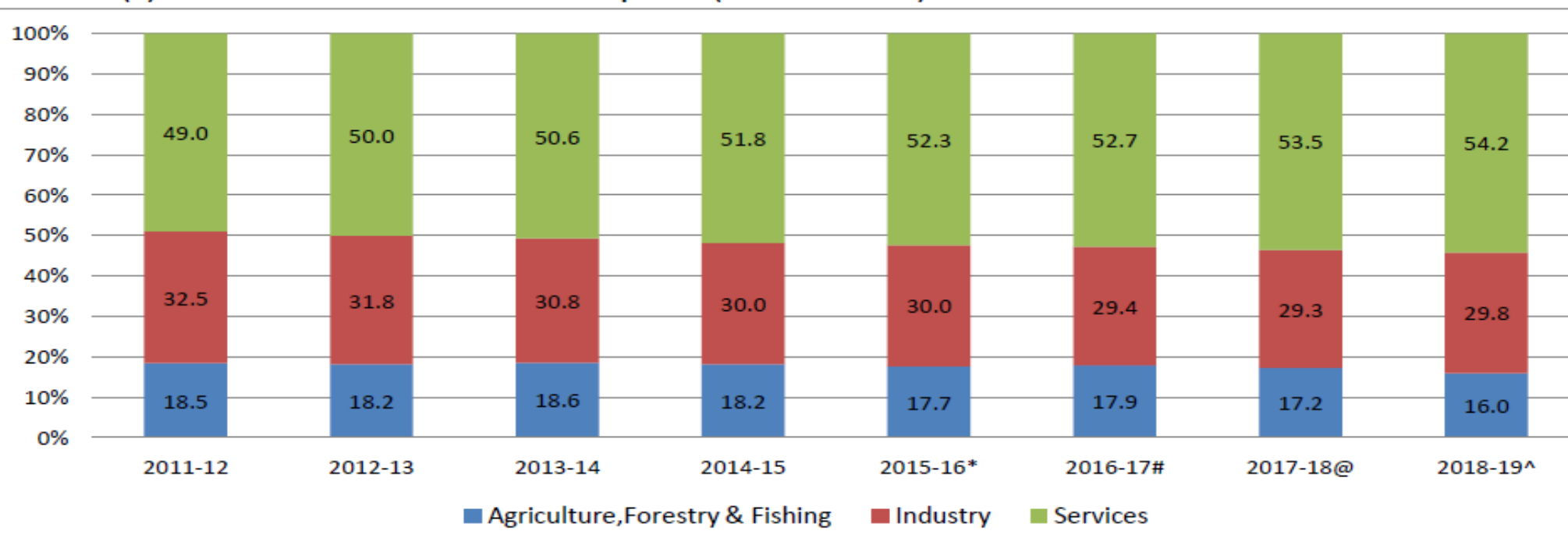
2 Indebtedness relates to all kind of outstanding loans irrespective of the purpose for which taken

Officially counted farm suicides in India: **332798** (1995-2016)



Source: National Crime Records Bureau annual ADSI reports

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



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

* : 3rd Revised Estimates (New Series)

: 2nd Revised Estimates (New Series)

@ : 1st Revised Estimates (New Series)

^ : 2nd Advance Estimates (New Series)

Source: Pocket Book of Agricultural Statistics 2018, Ministry of Agriculture & Farmers Welfare

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

							(₹ Crore)
S.No.	Department	Actual 2016-17*	Budget 2017-18	Revised 2017-18	Actual 2017-18*	Budget 2018-19	Revised 2018-19
(1)	(2)	(3)	(4)	(5)	(5)	(7)	(8)
A. Department of Agriculture, Cooperation and Farmers Welfare (DAC&FW)							
I. Central Sector Schemes/Projects							
1	Crop Insurance Scheme: Pradhan Mantri Fasal Bima Yojana	11051.55	9000.00	10698.00	9419.22	13000.00	12975.70
2	Interest Subsidy for Short Term Credit to Farmers	13397.13	15000.00	14750.00	13045.72	15000.00	14987.00
3	Market Intervention Scheme and Price Support Scheme (MIS-PSS)	145.69	199.30	950.00	700.92	200.00	2000.00
4	Pradhan Mantri Annadata Aay Sanrakshan Yojna (PM-AASHA)	-	-	-	-	-	1400
5	Distribution of Pulses to State / Union Territories for Welfare Schemes	-	-	-	-	-	550.08
6	Promotion of Agricultural Mechanization for in-situ Management of Crop Residue	-	-	-	-	-	591.62
7	Income Support Scheme	-	-	-	-	-	20000.00
	Total Central Sector Schemes/Projects	24594.37	24199.30	26398.00	23165.86	28200.00	52504.40
II. Centrally Sponsored Schemes							
1	Pradhan Mantri Krishi Sinchai Yojana (PMKSY)- Per Drop More Crop	1991.25	3400.00	3000.00	2819.25	4000.00	2954.69
2	Green Revolution						
a	Rashtriya Krishi Vikas Yojana	3892.01	4750.00	3050.00	3559.74	3600.00	3600.00
b	National Food Security Mission	1286.04	1720.00	1400.00	1377.12	1690.70	1510.00
c	National Project on Organic Farming	10.96	1.00	10.10	-	8.10	2.50
d	Organic Value Chain Development for North East Region	48.28	100.00	100.00	66.48	160.00	182.46
e	National Project on Soil Health and Fertility	229.17	452.00	214.00	194.88	400.00	300.04
f	Rainfed Area Development and Climate Change	205.24	223.00	210.00	209.25	234.00	225.00
g	Paramparagat Krishi Vikas Yojana	152.89	350.00	250.00	203.46	360.00	300.00
h	National Project on Agro-Forestry	22.52	100.00	40.00	42.67	75.00	40.00
i	National Mission on Oil Seed and Oil Palm	327.50	403.00	328.06	263.62	400.00	352.00
j	National Mission on Horticulture	1493.07	2320.00	2190.00	2027.03	2536.00	2100.00
k	Sub- Mission on Seed and Planting Material	167.85	200.00	480.00	423.54	332.00	332.00
l	Sub- Mission on Plant Protection and Plant Quarantine	137.86	50.00	62.66	46.12	129.25	41.00
m	Sub- Mission on Agriculture Extension	590.46	912.00	821.00	818.81	1020.00	875.00
n	Information Technology	42.13	65.00	50.00	33.24	56.00	35.00
o	Sub- Mission on Agriculture Mechanisation	366.93	550.00	776.71	764.41	1165.29	897.95
p	Integrated Scheme on Agriculture Census and Statistics	174.95	225.00	222.13	208.50	262.58	218.13
q	Integrated Scheme on Agricultural Cooperation	129.81	130.00	230.00	228.18	130.00	144.68
r	Integrated Scheme on Agriculture Marketing	827.39	1190.00	750.00	589.69	1050.00	500.00
s	National Bamboo Mission	-	-	-	-	300.00	146.50
	Total Centrally Sponsored Schemes	11978.98	17141.00	14184.66	13733.94	17908.92	14756.95
III. Other Expenditure**		339.13	514.7	522.34	496.92	591.08	538.65
Total DAC&FW (I+II+III)		36912.48	41855.00	41105.00	37396.72	46700.00	67800.00

B. Department of Agricultural Research and Education (DARE)**I. Central Sector Schemes/Projects**

1 Agricultural Extension	753.86	232.51	232.51	232.51	241.81	205.53
2 Agricultural Engineering	190.86	42.68	42.68	42.68	100.00	59.50
3 Management of Natural Resources	680.24	217.68	217.68	217.68	226.39	192.45
4 Crop Sciences	1905.22	591.11	591.11	591.11	1050.75	868.49
5 Animal Sciences	1206.45	387.82	387.82	387.82	570.69	421.32
6 Agricultural Education	726.29	694.66	694.66	694.66	725.13	761.14
Total Central Sector Schemes/Projects	5462.92	2166.46	2166.46	2166.46	2914.77	2508.43
II. Other Expenditure**	266.33	4633.54	4825.54	4776.46	4885.23	5444.3
Total DARE (I+II)	5729.25	6800.00	6992.00	6942.92	7800.00	7952.73

C. Department of Animal Husbandry, Dairying and Fisheries (DAHDF)**I. Centrally Sponsored Schemes**

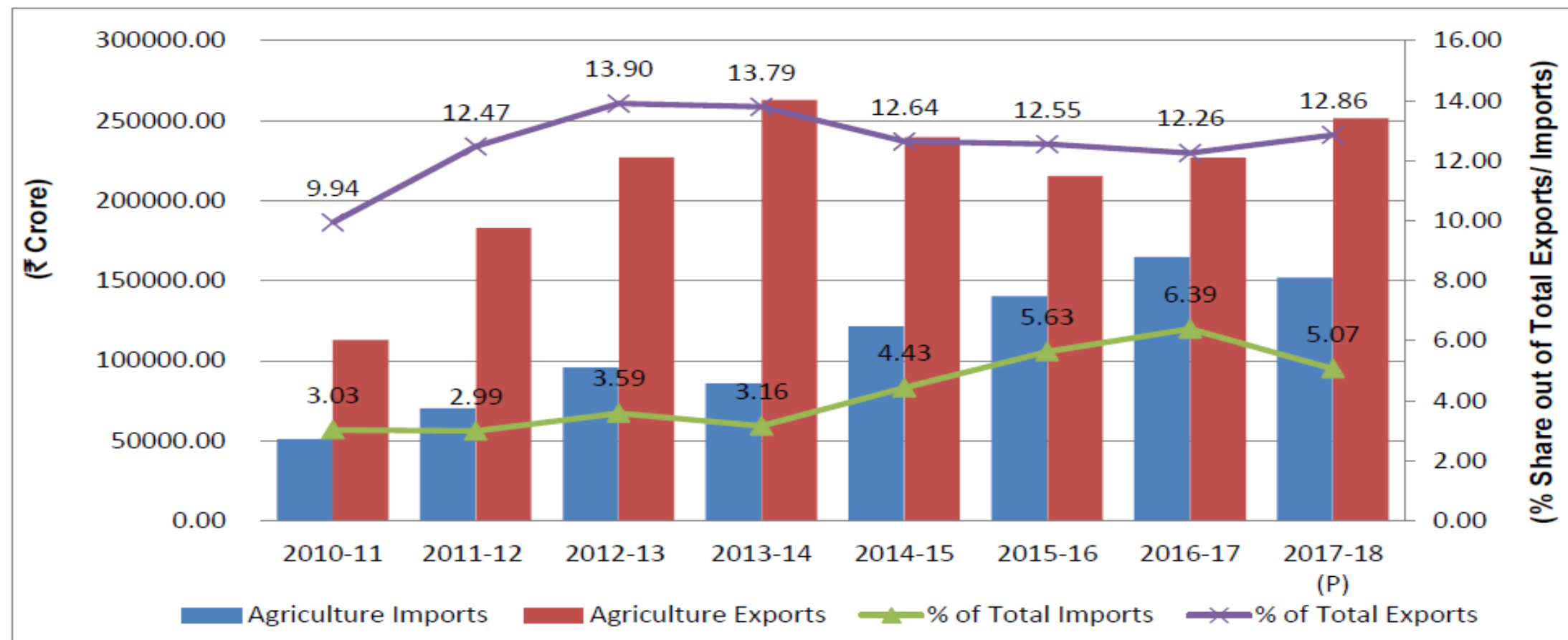
1 White Revolution	1309.16	1633.97	1632.97	1573.81	2219.88	2430.92
a National Dairy Plan/National Programme for Dairy Development	434.03	-	-	-	-	-
b National Dairy Plan (EAP)	-	390.00	389.98	389.98	324.91	324.91
c National Programme for Dairy Development	-	170.00	170.49	170.42	280.00	270.07
d Dairy Entrepreneurship Development	240.00	240.00	203.02	203.02	323.00	323.00
e Rashtriya Gokul Mission	-	190.00	190.00	187.73	301.50	750.50
f Support to State Co-operative Dairy Federations	-	1.00	0.50	-	0.50	3.00
g Livestock Census and Integrated Sample Survey	20.83	34.20	34.20	17.98	64.20	52.00
h Livestock Health and Disease Control	246.23	298.77	298.77	298.40	508.77	391.43
i National Livestock Mission	249.18	310.00	309.00	306.28	380.00	300.00
j Other programmes/projects under White Revolution	118.89	-	37.01	-	37.00	16.01
2 Blue Revolution	387.81	400.73	301.73	321.45	642.61	501.00
3 Actual Recoveries	-99.66	-	-	-68.52	-	-
Total Centrally Sponsored Schemes	1597.31	2034.70	1934.70	1826.74	2862.49	2931.92
II. Other Expenditure**	260.67	336.30	232.04	195.36	237.50	341.09
Total DAHDF (I+II)	1857.98	2371.00	2166.74	2022.1	3100.00	3273.01
Grand Total- Ministry of Agriculture & Farmers Welfare (A+B+C)	44499.71	51026.00	50263.74	46361.74	57600.00	79025.74

Source: Budget Documents, Ministry of Finance

*Actual expenditure is net of recoveries

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

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



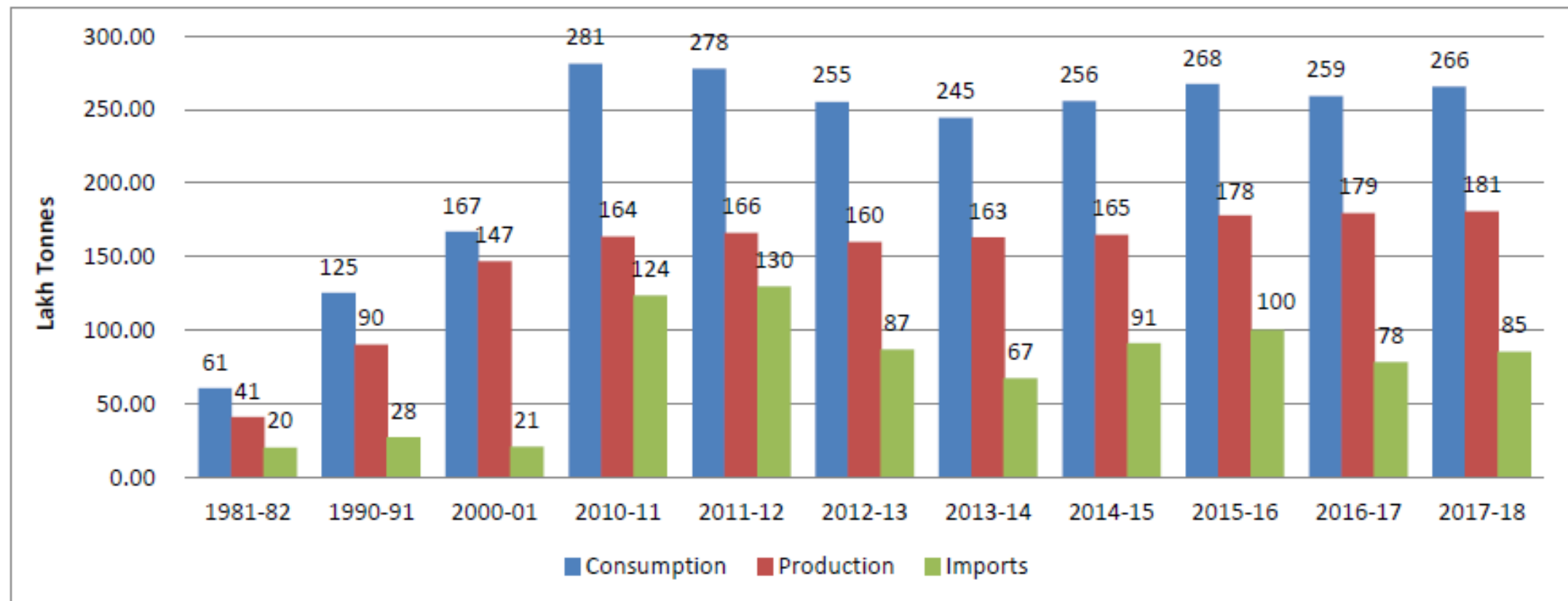
Source: Directorate General of Commercial Intelligence & Statistics, D/o Commerce, Kolkata.

Table 8.1: Production and use of Agricultural Inputs in India

Input	Unit	2000-01	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1. Seeds										
(i) Production of Breeder Seeds	Thousand Qtls.	42.69	118.85	123.38	110.20	82.29	86.21	90.37	110.71	105.08
(ii) Production of Foundation Seeds	Lakh Qtls.	5.91	18.06	22.26	16.17	17.43	15.76	14.95	22.09	19.54
(iii) Distribution of Certified/Quality Seeds	Lakh Qtls.	86.27	277.34	294.85	313.44	301.39	303.12	304.04	348.58	352.01
2. Consumption of Chemical Fertilisers										
Nitrogenous (N)	Lakh Tonnes	109.20	165.58	173.00	168.21	167.50	169.46	173.72	167.35	169.58
Phosphatic(P)	Lakh Tonnes	42.15	80.50	79.14	66.53	56.33	60.98	69.79	67.05	68.54
Potassic(K)	Lakh Tonnes	15.67	35.14	25.76	20.62	20.99	25.32	24.02	25.08	27.79
Total (N+P+K)	Lakh Tonnes	167.02	281.22	277.90	255.36	244.82	255.76	267.53	259.49	265.91
Per Hectare	Kgs.	89.63	142.52	142.33	130.79	121.83	128.94	130.66	123.41	128.02
3. Consumption of Pesticides (Technical Grade Material)										
(Technical Grade Material)	Thousand Tonnes	43.58	55.54	52.98	45.62	60.28	56.12	54.12	52.75	58.16

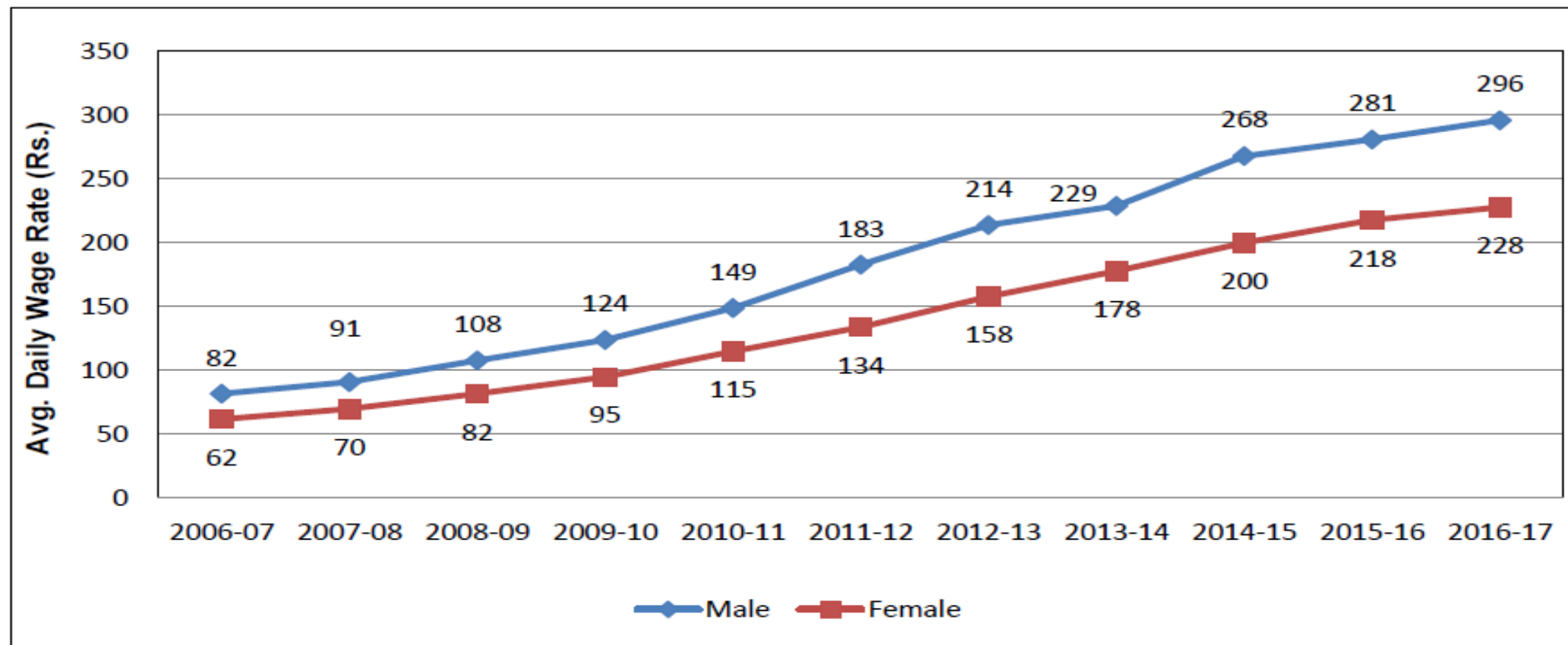
Source: Department of Agriculture, Cooperation & Farmers Welfare

Chart 8(a): Consumption, Production and Import of Fertilizers in India



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

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



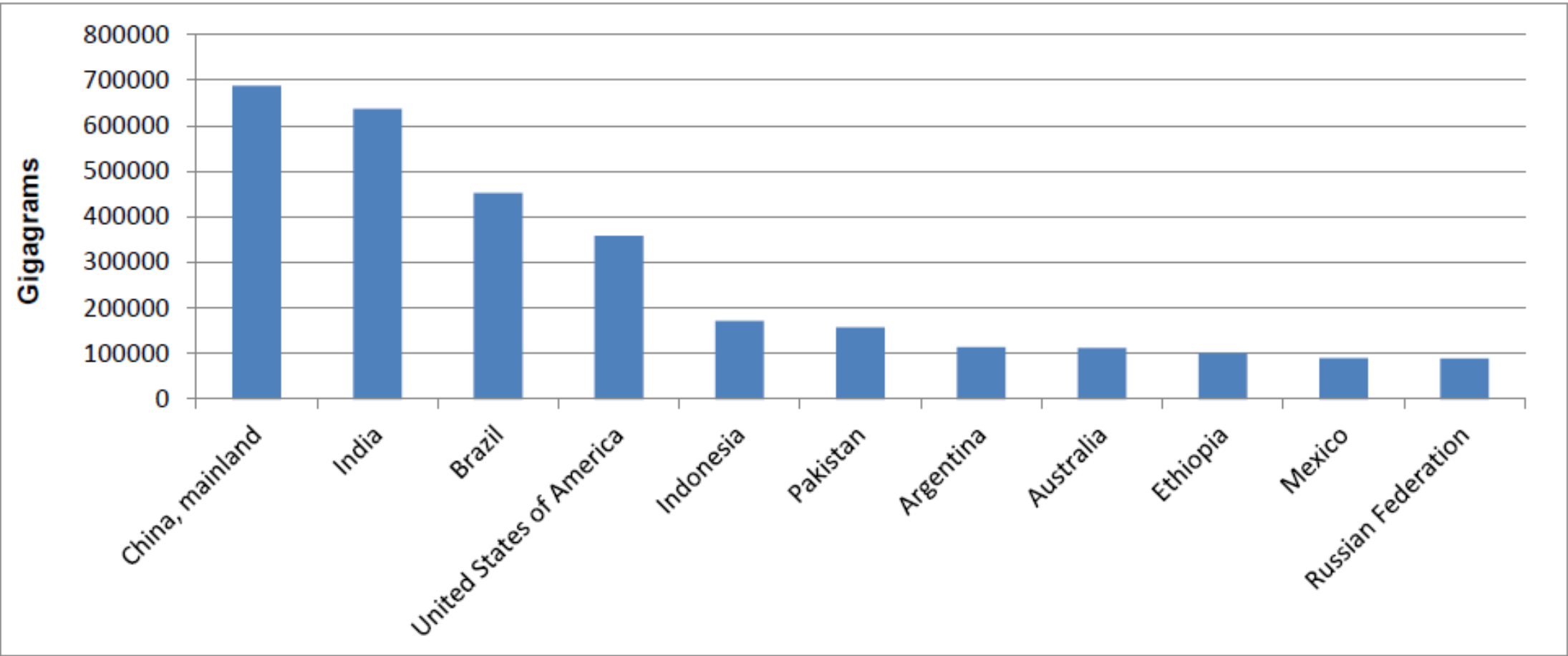
Source: Directorate of Economics & Statistics

Land & Water Resources....



- “Direct consequences of agricultural development on the environment arise from intensive farming activities, which contribute to soil erosion, land salination and loss of nutrients. The introduction of Green Revolution in the country has been accompanied by over-exploitation of land and water resources and excessive usage of fertilizers and pesticides.” (SoE Report, 2009).
- About 44 million hectares of land in India are degraded due to salinity, alkalinity, acidity and waterlogging, compared to the net cultivated area of 142 MHa
http://www.moef.gov.in/soer/2009/SoE%20Report_2009.pdf
- India - world's largest groundwater user. 29% of GW blocks in semi-critical, critical or over-exploited categories - also, polluted with fertilisers & pesticides. Fifty-four percent of India's groundwater wells have declined over the past seven years, and 21 major cities are expected to [run out of groundwater by 2020](#). The total estimated groundwater depletion in India is in the range of 122 to 199 billion cubic meters. Groundwater over-extraction leading to carbon emissions (2-7% of annual CO₂ emissions)
- 70% of India's surface water polluted incl. from agro-chemicals
- Agro-diversity rapidly eroding

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



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

Organic Farming Extent, as per official data



- Total farm area currently under Organic Certification is 27.70 lakh hectares in the country
- 5.98 lakh hectares under Paramparagat Krishi Vikas Yojana (PKVY)
- 0.639 lakh hectares under Mission Organic Value Chain Development for North Eastern Region (MOVCDNER)
- 19.38 lakh hectares under National Program for Organic Production (NPOP) and
- 1.70 lakh hectares under other initiatives
- <http://164.100.24.220/loksabhaquestions/annex/171/AU3767.pdf>