

GOVERNMENT OF INDIA  
MINISTRY OF AGRICULTURE AND FARMERS WELFARE  
DEPARTMENT OF AGRICULTURAL RESEARCH & EDUCATION

LOK SABHA  
STARRED QUESTION NO. 222  
TO BE ANSWERED ON 02/08/2016

AGRICULTURAL RESEARCH CENTRES

**\*222. ADV. NARENDRA KESHAV SAWAIKAR:**

Will the Minister of AGRICULTURE & FARMERS WELFARE  
कृषि एवं किसान कल्याण मंत्री be pleased to state:

- (a) the details of the various Agricultural Research Institutes set up in various States during the last two Five Year Plan period along with their location thereof;
- (b) whether the Government is aware that a number of States including Goa has made great strides in the field of agricultural production and if so, the details thereof;
- (c) whether the Government is considering to set up new agricultural research centres in various States including Goa and if so, the details thereof along with the location thereof; and
- (d) whether major initiatives have been taken to disseminate new farm technology at the farm level and also sharpen the skills of the farmers and if so, the details thereof?

**ANSWER**

THE MINISTER OF AGRICULTURE AND FARMERS WELFARE  
कृषि एवं किसान कल्याण मंत्री (SHRI RADHA MOHAN SINGH)

**(a) to (d):** A Statement is laid on the Table of the House.

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**STATEMENT IN RESPECT OF PARTS (a) to (d) OF LOK SABHA STARRED  
QUESTION NO. 222 TO BE ANSWERED ON 02/08/2016 REGARDING  
“AGRICULTURAL RESEARCH CENTRES”**

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(a) The details of the Agricultural Research Institutes set up in various States during the last two Five Year Plan period along with their location are given in enclosed **Annexure-I**.

(b) Yes, Madam.

Tremendous strides have been made in all spheres of agricultural sciences by the country and the states including Goa. The country's food grain production over past decades has registered a phenomenal growth. During 2015-16, the country produced 252.23 MT of food grains (235.17 MT cereals & 17.06 MT Pulses), 25.90 MT Oilseeds and 346.72 MT Sugarcane besides producing more than 283 million tonnes of horticultural produce from an area of 24.3 million ha. Over the last decade, the area under horticulture has risen by 3.8 % per annum and production by 7.6 % per annum. By adopting a path of science and technology led growth of its agriculture, India has reaped dividends in the form of a strong, self-reliant and resilient food security situation. These achievements in the agricultural sector are attributable in large measure to technology-led improvements in agricultural productivity and investments in R & D in agriculture & allied sectors and effective pursuit of improved technologies by farmers.

During the period, 2014 till April 2016, the National Agricultural Research System (NARS) has developed/notified 307 high yielding varieties of field crops. A number of early maturing and thermo-tolerant crop varieties with higher nutrient and water use efficiency for newer niches and cropping systems have been developed and released for cultivation. The NARS in association with Department of Agriculture, Cooperation & Farmers Welfare (DAC&FW) made available 347.31, 351.77 and 343.52 lakh quintals of certified/ quality seeds during 2013-14, 2014-15 and 2015-16, respectively, to the farmers. In view of the prevailing climate change scenario and the recurrence of draughts/ unseasonal rains during past 2 years, high priority has been accorded by the Govt. towards the development of climate resilient varieties of cereals, pulses, oilseeds and horticultural crops. During 2014-15, 63 new drought tolerant varieties have been developed. Cost effective novel cane node technology and quality tissue culture seedling material in sugarcane, high density planting in cotton, quality seed production and microbial retting in jute, broad bed furrow planting technology in soybean, direct seeded rice and resource conservation technologies in wheat have been developed and demonstrated.

The increase in average production and yield in triennium ending (TE) 2014-15 over TE 2009-10 has been 12.6 and 13.0 % for cereals, 24.5 and 18.9% for pulses, 13.3 and 12.6% for food grains, 10.5 and 10.5% for oilseeds, 13.9 and 4.1% for sugarcane, 45.1 and 14.1% for cotton, 1 and 13.0% for jute and mesta and 10.5 and 22.9% for coarse cereals. In comparison to this period, as per the 3<sup>rd</sup> Advance Estimate of 2015-16, there is an increasing trend in the average yield of cereals, food grains and Jute & Mesta crop group despite poor monsoon. Likewise, the country has recorded remarkable growth in milk production which increased from 116.4 million tonnes (2009-10) to an estimated

155.5 million tonnes (2015-16). The egg production also increased from 60.3 billion (2009-10) upto 82.92 billion (2015-16). Similarly, the total fish production in the country during 2009-10 was 7.99 lakh tonnes (2009-10) which increased up to an estimated 10.16 MT (2014-15). The information, state wise and total, on major agricultural commodities has been given in **Annexure II**.

In the state of Goa too, the agriculture is gaining momentum on account of the recent shift of the farmers back farmers who neglected their profession are shifting over to the sector. The total area available for utilization in the State is 3,61,113 ha of which total cropped area is 1,57,702 ha as per 2014-15 reports. Out of the total cropped area, 50,523 ha (32.04%) is under food grains, 1,03,258 ha (65.48%) is under horticultural crops and 3,921 ha (2.48%) under crops like sugarcane and oilseeds (groundnut). The per ha productivity of food grains in Goa during 2014-15 was 25.45 quintals/ha which was better than all India average 20.28 q/ha. Likewise, the per ha productivity of pulses, groundnut and total oilseeds during 2014-15 were 9.44, 21.68 and 18.99 all of which are also above national average of 7.28, 10.23 and 10.75 quintals/ha respectively. The Govt. of India under the scheme National Horticulture Mission, has given a lot of focus to the promotion of Horticulture in the state. Major broad groups including percent area under their cultivation include; Plantation crops including coastal Horticulture Mainly Cashew (25.98), Spices (5.97), vegetable production under protected cultivation (4.0), Non perennial fruit crops (3.2) and Mango & other perennial fruit crops (2.22). Of the total net sown area of 129243 ha, about 28,459 ha cropped area is sown more than once. The total irrigated area is about 38,800 ha. In the area of milk production Goa has performed reasonably well. The milk production of Goa was 58.96 thousand tonnes (2009-10) which rose to 68 thousand tonnes (2013-14). Under National Mission for Protein Supplements (NMPS) through Rashtriya Krishi Vikas Yojana (RKVY) a project on "Open sea cage culture" for culturing high value fish viz, Cobia and Lates in South Goa an amount of Rs. 306.50 crore has been sanctioned by the Govt. of India through RKVY. Fish production of Goa, which remain one of the major sources of agricultural revenue increased from 89.96 tonnes (2011-12) upto an estimated 117.45 tonnes (2014-15).

(c) There is no proposal under consideration or pending with the Ministry of Agriculture & Farmers Welfare to set up new agricultural research centres at the moment under XII Plan.

(d) A major scheme for the strengthening of existing KVKs and the establishment of new Krishi Vigyan Kendras (KVKs) has been approved with an outlay of Rs.3900 crores during XII plan. The number of Zonal Project Directorates has been increased to 11 from the existing eight. The status of the Zonal Project Directorates has also been upgraded to the institute appropriately named "Agricultural Technology Application Research Institute". At present there are a total 645 Krishi Vigyan Kendras (KVKs) functioning at the district level and engaged in the assessment and demonstration of technologies/products under different agro-ecosystems developed by the National Agricultural Research System of the country. The activities of the KVKs include on-farm trials (OFTs) to identify location specific technologies in various farming systems; frontline demonstrations (FLDs) and training of farmers, farm women, rural youth and extension personnel. In order to show potentiality of technologies in terms of technological inputs, information and knowledge, KVKs have served as the knowledge and resource centre at the district level in the country.

A total of 98624 demonstrations covering an area of 52326 ha were organized. Of these 90974 (92%) demonstrations covering an area of 47001 ha were on crops (cereals, millets, oil seeds, pulses, commercial crops, fibres, spices, medicinal, plantation, fodder, horticultural crops etc.). In order to promote hybrids cultivation in various crops a total of 7650 demonstrations in an area of 5325 ha were laid down. The hybrids demonstrated were cereals, millets, pulses, oilseeds, etc. 2652 technology interventions were assessed in 4003 locations by laying out 27008 trials on the farmer's field on various crops under different thematic areas. As many as 52437 training programmes were organized on various technologies to update their knowledge and skills wherein 14.48 lakh farmers /farm women, rural youths and extension personnel participated. For creating awareness among farmers about improved technologies and to provide timely advisory to farmers, KVKs organized different extension programmes.

A total of 6.46 lakh extension programmes/activities in the form of advisory services, diagnostic and clinic services, celebration of important days, exhibitions, exposure visits, ex-trainees *sammelan*, farm science club conveners meet, farmers' seminar, farmers visits to KVK, field days, film shows, group meetings, *kisanghosthi*, *kisanmelas*, lectures delivered as resource persons, *mahilamandals* conveners meetings, method demonstrations, plant/animal health camps, scientists' visit to farmer's field, self-help group meetings, soil health camps, soil test campaigns, workshops and others were organized which attracted the participation of 102.39 lakh participants of which 98.79 lakh were farmers and 3.60 lakh extension personnel. The KVKs also organized 0.86 lakh extension programmes through electronic and print media to have wider coverage in the districts. These included electronic media in the form of TV programmes, radio talks, CDs/DVDs, extension literature, newspaper coverage, popular articles, leaflets, folders and books/booklets.

Besides these activities, the KVKs provide technological backstopping to Agriculture Technology Management Agencies (ATMA) and other extension agencies in the district. A district level Joint Action Plan for enhancing interface between scientists, extension functionaries and farmers is prepared through a joint meeting of KVK and ATMA officials under the chairmanship of the District Collector. Quarterly interface meetings are held by all KVKs involving all line departments of the district to monitor the implementation of the Joint Action Plan to share new information and technologies for wider dissemination in the district. KVK Linkages are created with other key programs of the Government like RKVY, MNREGA and NHM and other players in the field of extension including public sector, farmers' organizations, NGOs, Commodity boards and private sector.

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**Institutes opened during XI and XII Plan**

**XI Plan**

1. National Institute of Abiotic Stress Management,  
Baramati, Distt. Pune, Maharashtra

**XII Plan**

1. Indian Institute of Agricultural Biotechnology,  
Garhkhatanga, Ranchi, Jharkhand
2. National Institute of Biotic Stress Management,  
Baronda, Raipur 433225 Chhattisgarh.
3. National Research Centre on Integrated Farming,  
Motihari Piprakothi, Motihari, Bihar
4. Indian Agricultural Research Institute,  
Hazaribagh, Jharkhand
5. Indian Agricultural Research Institute,  
Distt. Kamroop, Assam
6. National Organic Farming Research Institute,  
Gangtok, Sikkim.
7. National Institute of High Security Animal Diseases,  
Anand Nagar, Bhopal , Madhya Pradesh.

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## Estimates of Production and Yield of Total Cereals.

State/UT	Production('000Tonnes)							Yield (Kg/ Hectare)						
	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16*	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16*
Andhra Pradesh	13866.0	10088.4	9934.5	9297.0	9460.5	9544.1	9157.3	2929	3141	3464	3301	3139	3269	3433
Arunachal Pradesh	299.2	324.6	352.0	359.0	373.5	394.5		1577	1691	1799	1802	1825	1924	
Assam	4416.6	4806.4	4594.8	5196.2	4992.5	5347.8	5249.0	1712	1821	1756	2038	1989	2095	2076
Bihar	9678.1	8684.2	13535.9	15396.8	12383.8	12714.7	13417.3	1595	1544	2193	2475	2100	2067	2263
Chhattisgarh	4414.1	6517.7	6371.4	6994.8	7113.5	6724.6	5837.9	1089	1592	1535	1686	1717	1616	1409
Goa	101.4	115.1	121.9	122.9	126.5	120.5		2141	2459	2572	2678	2953	2870	
Gujarat	5244.0	7618.6	8094.3	6484.0	8450.6	6534.8	5885.8	1771	2096	2142	2219	2370	2226	2216
Haryana	15257.0	16471.0	17831.7	16096.0	16849.0	15179.0	16415.0	3461	3628	4007	3800	3964	3480	3716
Himachal Pradesh	996.5	1379.5	1479.5	1434.6	1477.4	1393.8	1180.8	1322	1813	1951	1868	1970	1925	1590
Jammu & Kashmir	1300.6	1504.8	1573.1	1817.8	1764.0	1211.1	1412.7	1436	1673	1723	2005	1954	1298	1516
Jharkhand	1928.5	1547.0	3763.3	3948.2	3707.1	4180.0	3710.4	1480	1450	2027	2142	2181	2135	1807
Karnataka	9837.0	12312.3	10961.0	9604.0	10608.4	10748.0	9069.1	1796	2260	2140	1909	2105	2206	2038
Kerala	600.5	524.1	569.6	508.6	509.5	562.4	558.3	2534	2429	2727	2571	2549	2833	2870
Madhya Pradesh	11711.8	11565.9	16232.9	18524.6	18333.7	23858.7	22711.3	1558	1502	1952	2100	2051	2398	2331
Maharashtra	10216.3	12320.6	10276.0	8667.3	10677.2	9258.9	6822.8	1169	1370	1355	1187	1420	1151	1014
Manipur	331.7	568.5	642.2	308.3	462.7	398.5		1904	2397	2562	2133	1842	1576	
Meghalaya	235.6	235.3	245.3	261.3	316.8	342.5		1838	1836	1904	2024	2416	2601	
Mizoram	55.8	60.8	62.6	38.5	67.2	69.3		1001	1223	1381	1860	1509	1626	
Nagaland	319.5	531.9	531.8	557.0	582.1	607.2		1285	2011	2020	2098	2142	2188	
Odisha	7153.6	7192.4	6068.8	7584.4	7940.2	8541.1	5788.8	1576	1620	1447	1804	1820	1968	1402
Punjab	26932.1	27847.0	28374.1	28490.0	29440.8	26656.4	28698.9	4154	4291	4374	4382	4525	4078	4378
Rajasthan	11636.4	15572.5	17037.6	16410.9	15408.7	17670.1	16833.1	1191	1510	1707	1790	1671	1865	1849
Sikkim	104.4	98.4	97.3	100.2	96.5	96.4		1601	1563	1557	1602	1647	1649	
Tamil Nadu	7307.2	7348.9	9782.5	5382.9	8169.4	8870.4	10600.9	2925	2897	3849	2542	3114	3342	3635
Telangana		8786.6	7198.6	7742.4	8657.6	6851.8	5143.6		3271	2891	3493	3200	3107	2823
Tripura	643.4	707.2	723.9	719.2	718.0	753.1		2591	2639	2681	2777	2772	2875	
Uttar Pradesh	41293.9	45210.5	47880.6	48413.4	48330.1	38155.3	44382.0	2461	2605	2703	2752	2710	2152	2568
Uttarakhand	1750.0	1763.4	1803.0	1776.5	1719.9	1571.4	1672.0	1852	1906	2010	2040	2083	1891	2054
West Bengal	15591.3	14290.7	15855.1	16354.2	16837.2	16295.3	17606.2	2573	2664	2706	2778	2811	2773	2934
A&N Islands	25.3	24.3	24.3	21.7	16.5	13.7		3034	2843	2944	2730	2033	2079	
D&N Haveli	16.4	23.8	20.6	29.4	27.5	27.9		1075	1871	1624	1818	1771	1764	
Delhi	115.3	142.7	111.3	99.5	122.1	118.1		3670	3672	3586	3937	4061	3908	
Daman & Diu	3.8	3.7	3.3	3.8	4.0	6.3		1652	1609	1650	1669	1754	2621	
Pondicherry	52.6	52.1	42.2	46.7	49.9	52.8		2506	2595	2539	2862	3144	3160	
Others	0.0						3017.7	#DIV/0!						2303
All India	203435.9	226241.0	242197.1	238792.1	245790.3	234870.6	235171.0	2075	2256	2415	2449	2462	2331	2422

## Estimates of Production and Yield of Total Food-grains.

State/UT	Production('000Tonnes)							Yield (Kg/ Hectare)						
	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16*	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16*
Andhra Pradesh	15295.0	11052.5	10868.1	10429.8	10522.3	10494.1	10339.3	2294	2410	2600	2511	2552	2648	2516
Arunachal Pradesh	303.4	333.7	362.5	369.6	384.6	409.0		1565	1663	1767	1772	1795	1889	
Assam	4481.2	4876.5	4663.3	5280.6	5096.8	5458.8	5356.0	1662	1763	1704	1962	1916	2021	1995
Bihar	10150.6	9221.9	14047.2	15939.6	12905.8	13208.6	13904.3	1530	1479	2098	2366	2018	1964	2161
Chhattisgarh	4902.8	7055.2	6870.5	7643.6	7598.0	7463.1	6397.9	1008	1424	1384	1506	1523	1474	1290
Goa	109.9	123.1	130.2	131.8	135.5	128.6		1990	2264	2272	2361	2659	2545	
Gujarat	5761.0	8341.6	8874.3	7056.2	9179.6	7109.3	6405.3	1560	1843	1874	1970	2097	2016	1964
Haryana	15357.0	16629.5	17958.7	16226.4	16974.1	15235.1	16478.1	3383	3526	3879	3589	3855	3427	3668
Himachal Pradesh	1017.2	1421.1	1510.3	1480.7	1528.4	1432.0	1237.6	1297	1787	1911	1849	1962	1896	1602
Jammu & Kashmir	1314.2	1521.6	1586.3	1831.9	1777.9	1220.3	1423.0	1405	1639	1690	1962	1915	1275	1490
Jharkhand	2152.2	1876.6	4175.3	4557.5	4285.7	4777.0	4262.6	1330	1257	1798	1876	1891	1871	1601
Karnataka	10955.0	13877.3	12095.1	10863.3	12208.9	12138.0	10374.2	1377	1684	1629	1488	1620	1689	1430
Kerala	610.8	527.1	572.1	511.8	512.0	563.8	560.1	2470	2400	2695	2547	2528	2823	2858
Madhya Pradesh	16016.4	14952.1	20394.8	23690.4	22978.0	28687.0	27876.7	1285	1162	1510	1676	1603	1856	1794
Maharashtra	12586.3	15420.4	12544.0	10973.3	13846.2	11311.9	8340.3	1039	1184	1155	1038	1207	988	827
Manipur	338.9	592.7	669.1	336.7	490.6	427.2		1796	2244	2397	1926	1745	1509	
Meghalaya	239.2	239.0	249.1	265.0	320.0	353.8		1809	1803	1873	1997	2389	2532	
Mizoram	62.3	66.9	68.0	41.8	72.8	75.3		1045	1246	1382	1756	1506	1607	
Nagaland	333.9	568.3	566.5	600.6	624.6	649.6		1262	1902	1920	1967	2018	2065	
Odisha	7552.9	7619.3	6412.3	8008.8	8359.4	8980.5	6188.7	1397	1432	1303	1592	1625	1738	1266
Punjab	26950.1	27866.3	28389.1	28543.0	29480.4	26698.0	28751.5	4144	4280	4364	4347	4500	4054	4346
Rajasthan	12350.1	18832.2	19469.7	18367.7	17899.6	19621.9	18993.3	931	1250	1348	1480	1334	1529	1454
Sikkim	117.3	110.3	103.2	106.0	102.4	102.2		1496	1448	1495	1538	1577	1579	
Tamil Nadu	7511.4	7594.9	10151.8	5592.8	8783.2	9623.7	11216.6	2477	2393	3162	2131	2554	2720	2917
Telangana		9262.5	7495.0	8232.7	9142.9	7114.8	5371.2		2690	2411	2911	2798	2723	2345
Tripura	647.9	712.4	729.9	725.2	726.7	761.5		2545	2587	2620	2711	2680	2783	
Uttar Pradesh	43195.3	47247.5	50283.6	50745.4	50027.5	39594.0	45955.2	2236	2386	2498	2542	2484	1972	2393
Uttarakhand	1796.0	1815.5	1852.0	1827.7	1776.5	1626.0	1723.8	1780	1841	1945	1962	1995	1811	1966
West Bengal	15741.5	14466.9	15985.7	16546.5	17078.9	16531.8	17928.0	2522	2601	2645	2717	2721	2698	2827
A&N Islands	27.1	25.5	25.3	22.4	16.8	14.6		2399	2282	2512	2413	1930	1783	
D&N Haveli	21.3	29.9	24.6	34.4	32.7	33.2		1006	1533	1452	1585	1534	1531	
Delhi	116.1	143.5	112.0	100.2	122.1	118.1		3649	3647	3567	3915	4057	3908	
Daman & Diu	5.0	4.8	3.3	3.8	4.0	6.3		1395	1333	1650	1669	1754	2621	
Pondicherry	52.9	53.4	43.2	47.5	50.4	54.0		2297	2351	2269	2650	2953	2899	
Others	0.0						3151.0							2192
<b>All India</b>	<b>218097.7</b>	<b>244482.0</b>	<b>259286.0</b>	<b>257134.6</b>	<b>265045.2</b>	<b>252022.9</b>	<b>252234.6</b>	<b>1798</b>	<b>1930</b>	<b>2078</b>	<b>2129</b>	<b>2120</b>	<b>2028</b>	<b>2068</b>

## Estimates of Production and Yield of Total Pulse.

State/UT	Production('000Tonnes)							Yield (Kg/ Hectare)						
	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16*	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16*
Andhra Pradesh	1429.0	964.1	933.6	1132.7	1061.8	950.0	1182.0	740	701	711	847	958	911	820
Arunachal Pradesh	4.2	9.1	10.5	10.6	11.2	14.5		1000	1055	1105	1122	1155	1263	
Assam	64.6	70.1	68.6	84.4	104.3	111.0	107.0	561	555	573	598	695	748	682
Bihar	472.5	537.8	511.3	542.8	522.0	493.9	487.0	837	878	975	1052	1044	859	962
Chhattisgarh	488.7	537.5	499.1	648.7	484.5	738.5	560.0	604	624	613	700	573	818	685
Goa	8.5	8.0	8.3	9.0	8.9	8.1		1082	1057	836	902	1102	944	
Gujarat	517.0	723.0	780.0	572.2	729.0	574.5	519.5	705	812	815	867	897	972	857
Haryana	100.0	158.5	127.0	130.4	125.1	56.1	63.1	758	899	706	800	820	674	835
Himachal Pradesh	20.7	41.6	30.8	46.1	51.0	38.3	56.7	681	1213	954	1413	1763	1232	1907
Jammu & Kashmir	13.6	16.7	13.2	14.2	13.8	9.2	10.3	456	584	508	530	535	381	444
Jharkhand	223.7	329.6	412.0	609.3	578.6	597.1	552.2	708	773	885	1038	1021	1004	906
Karnataka	1118.0	1565.0	1134.1	1259.3	1600.5	1390.0	1305.1	451	561	492	555	641	601	465
Kerala	10.3	3.0	2.5	3.2	2.4	1.4	1.9	991	778	747	1029	952	1131	1240
Madhya Pradesh	4304.6	3386.2	4161.9	5165.9	4644.3	4828.3	5165.4	871	656	803	972	861	876	891
Maharashtra	2370.0	3099.8	2268.0	2306.0	3169.0	2053.0	1517.5	702	768	693	704	802	602	452
Manipur	7.2	24.2	26.9	28.3	27.9	28.7		497	897	942	935	933	948	
Meghalaya	3.6	3.7	3.7	3.7	3.2	11.3		881	849	896	1019	1126	1405	
Mizoram	6.5	6.1	5.3	3.3	5.7	6.0		1667	1534	1389	1061	1468	1416	
Nagaland	14.4	36.4	34.7	43.6	42.5	42.4		906	1058	1091	1096	1124	1146	
Odisha	399.3	426.9	343.4	424.4	419.3	431.3	399.9	460	486	471	513	537	532	526
Punjab	18.0	19.3	15.0	53.0	39.6	41.6	52.6	887	910	789	823	872	846	872
Rajasthan	713.7	3259.7	2432.1	1956.8	2490.9	1951.8	2160.2	204	686	546	603	593	580	545
Sikkim	12.9	11.9	5.9	5.8	5.8	5.8		977	899	903	915	925	925	
Tamil Nadu	204.1	246.0	369.3	209.9	613.8	753.2	615.7	382	386	552	413	752	852	663
Telangana	4.5	475.9	296.4	490.3	489.2	263.0	227.6	713	629	479	802	869	644	486
Tripura	1901.4	5.2	6.0	6.0	8.7	8.4		748	706	697	705	719	718	
Uttar Pradesh	46.0	2037.0	2403.0	2332.0	1697.4	1438.7	1573.2	719	832	993	985	736	612	821
Uttarakhand	150.1	52.1	49.0	51.3	56.5	54.6	51.8	825	851	891	841	869	821	822
West Bengal	1.8	176.1	130.6	192.3	241.7	236.5	321.8	600	898	706	952	843	941	945
A&N Islands	4.9	1.2	1.0	0.7	0.3	0.9		829	442	541	499	486	541	
D&N Haveli	0.8	6.1	4.0	5.0	5.2	5.2		2008	898	939	901	898	897	
Delhi	1.2	0.8	0.7	0.7	0.1	0.0		940	1611	1939	2097	1500		
Daman & Diu	0.3	1.1	0.0	0.0	0.0	0.0		154	846					
Pondicherry	0.0	1.3	1.0	0.8	0.5	1.2			499	417	512	425	630	
Others							133.3							1049
<b>All India</b>	14661.8	18240.9	17088.9	18342.5	19255.0	17152.3	17063.6	630	691	699	789	764	728	687



## Estimates of Production and Yield of Total Oilseeds.

State/UT	Production('000Tonnes)							Yield (Kg/ Hectare)						
	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16*	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16*
Andhra Pradesh	1500.0	1332.3	723.8	928.3	1414.3	597.2	874.0	724	730	482	645	861	557	955
Arunachal Pradesh	28.3	29.1	33.0	29.3	31.4	33.9		927	920	1015	909	958	971	
Assam	144.7	153.6	149.5	186.8	186.3	205.7	194.0	526	576	557	610	613	670	634
Bihar	144.6	136.3	139.5	143.3	146.2	127.0	142.4	1042	1048	1046	1120	1182	1093	1263
Chhattisgarh	200.4	217.2	169.5	215.0	185.4	174.2	152.0	607	686	550	723	640	599	504
Goa	8.1	8.3	8.0	7.5	6.6	4.3		2807	2862	2500	2409	2544	1899	
Gujarat	3097.0	4896.1	5035.0	2705.0	6870.4	4886.9	4373.6	1109	1692	1608	1103	2231	1920	1673
Haryana	877.5	963.8	771.0	993.1	899.0	743.4	849.2	1645	1855	1394	1712	1637	1456	1608
Himachal Pradesh	3.8	7.7	8.6	6.9	6.1	6.6	7.2	270	514	579	514	490	542	615
Jammu & Kashmir	49.7	53.0	53.3	51.1	58.8	40.4	40.5	763	821	826	789	895	682	677
Jharkhand	79.5	113.7	155.5	197.2	182.9	177.6	177.0	562	625	680	787	663	664	682
Karnataka	1005.0	1270.0	942.0	919.6	1162.0	959.0	802.0	502	782	665	647	824	698	631
Kerala	1.2	2.1	2.3	1.1	1.0	0.8	0.6	625	1050	1226	1045	980	1054	1167
Madhya Pradesh	7636.2	8035.4	7727.8	9276.0	6634.9	7724.2	6253.5	1129	1143	1073	1231	858	1093	852
Maharashtra	2814.0	5040.0	4485.0	5086.8	5293.9	2850.2	2503.7	725	1394	1223	1337	1276	672	600
Manipur	0.7	26.7	28.3	32.1	31.0	31.7		778	774	788	729	840	863	
Meghalaya	7.0	7.1	7.6	6.9	14.1	14.9		701	704	766	695	1030	1071	
Mizoram	3.0	3.8	2.4	2.2	2.4	2.4		1106	1203	967	1078	1146	1117	
Nagaland	84.6	66.3	66.8	67.5	67.9	68.1		835	1040	1043	1047	1048	1048	
Odisha	172.2	179.8	165.8	170.3	168.8	141.5	133.2	589	619	661	700	755	667	674
Punjab	83.4	71.5	58.0	69.4	64.2	57.7	77.2	1354	1336	1360	1350	1335	1265	1341
Rajasthan	4407.2	6604.8	5744.5	6364.6	6033.8	5314.3	5798.1	1066	1203	1243	1296	1144	1192	1188
Sikkim	9.4	7.9	7.8	7.1	7.1	7.1		959	832	841	863	887	891	
Tamil Nadu	939.6	933.1	1113.7	816.9	964.2	985.3	990.6	1898	2076	2479	2103	2362	2374	2396
Telangana		661.6	540.9	722.8	471.4	630.0	455.0		1341	1216	1430	1215	1270	1041
Tripura	2.5	3.4	3.5	2.4	4.6	7.1		717	732	751	506	759	793	
Uttar Pradesh	816.0	919.4	935.0	1030.5	895.8	787.2	944.5	753	832	828	898	810	698	721
Uttarakhand	33.0	27.5	32.5	39.7	34.1	29.6	33.5	1138	1012	1082	1235	1070	938	1016
West Bengal	727.1	703.6	672.4	850.7	909.9	901.4	928.1	1065	1048	994	1162	1181	1161	1182
A&N Islands		0.0	0.0	0.0	0.0	0.0							333	833
D&N Haveli	0.1	0.1	0.1	0.1	0.1	0.1		680	750	670	604	667	571	
Delhi	4.9	1.3	4.9	8.6	0.0	0.0		1256	1300	1251	1265			
Pondicherry	1.1	0.9	0.6	0.9	1.0	1.1		1636	1684	1214	1890	1907	2280	
Others							169.2							970
<b>All India</b>	<b>24881.6</b>	<b>32477.3</b>	<b>29798.6</b>	<b>30939.8</b>	<b>32749.4</b>	<b>27510.8</b>	<b>25899.0</b>	<b>958</b>	<b>1193</b>	<b>1133</b>	<b>1168</b>	<b>1168</b>	<b>1075</b>	<b>989</b>

<b>State Wise Milk Production During 2009-10 to 2014-15 (thousand tones)</b>								
	<b>2009-10</b>	<b>2010-11</b>	<b>2011-12</b>	<b>2012-13</b>	<b>2012-13</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>
Andhra Pradesh	9569.58	10429.21	11203.44	12088.00	12761.65	13007.08	9656	10816.99
Arunachal Pradesh	24.39	26.30	28.42	21.93	22.72	43.35	46	50.13
Assam	753.15	756.36	790.43	796.00	799.67	814.52	829	843.46
Bihar	5934.15	6123.94	6517.21	6643.00	6844.84	7197.06	7775	8288.42
Chhattisgarh	907.87	956.25	1029.32	1119.00	1164.05	1208.61	1232	1277.32
Goa	58.81	58.96	59.59	59.85	61.24	67.81	67	54.34
Gujrat	8386.45	8843.54	9320.84	9817.00	10314.63	11112.18	11691	12262.35
Haryana	5745.24	6006.10	6267.26	6661.00	7040.24	7441.67	7901	8381.33
HP	1026.45	971.40	1102.50	1120.00	1138.60	1150.81	1172	1282.86
J&K	1564.51	1592.43	1609.25	1614.43	1630.56	1614.67	1951	2273.35
Jharkhand	1466.35	1462.61	1554.80	1745.00	1679.00	1699.83	1734	1812.38
Karnataka	4537.65	4821.82	5114.06	5447.00	5718.22	5997.03	6121	6344.01
Kerala	2440.53	2509.09	2644.65	2716.00	2790.58	2654.70	2711	2649.82
Madhya Pradesh	6855.21	7166.89	7514.23	8149.00	8837.79	9599.20	10779	12148.37
Maharashtra	7454.79	7679.30	8043.97	8469.00	8733.69	9089.03	9542	10152.61
Manipur	78.47	77.60	78.00	78.61	80.03	81.70	82	78.97
Meghalaya	77.47	78.06	79.14	79.69	80.52	82.15	83	83.95
Mizoram	16.88	10.63	11.43	13.91	13.63	15.30	20	22.00
Nagaland	53.44	77.74	76.03	78.00	78.66	80.61	76	77.00
Odisha	1597.97	1651.08	1671.01	1721.00	1724.40	1861.19	1903	1930.47
Punjab	9387.20	9389.05	9423.15	9551.00	9724.34	10011.10	10351	10774.20
Rajasthan	11931.47	12330.72	13233.54	13512.00	13945.92	14573.05	16964	18500.08
Sikkim	42.04	43.96	43.21	45.00	42.24	45.99	50	66.74
Tamil Nadu	6651.33	6786.60	6831.15	6968.00	7004.73	7049.19	7132	7243.53
Tripura	95.59	100.10	104.48	111.00	118.04	129.70	141	152.23
Uttar Pradesh	19537.49	20202.51	21031.32	22556.00	23329.55	24193.90	25198	26386.81

Uttarakhand	1230.48	1377.25	1383.45	1417.00	1478.38	1550.15	1565	1655.81
West Bengal	4176.36	4300.07	4471.06	4672.00	4859.23	4906.21	4961	5038.47
Telangana	-	-	-	-	-	-	4207.26	4442.45
<b>Union Territories</b>								
A&N Island	25.77	23.75	25.36	26.00	21.45	14.21	16	15.43
Chandigarh	46.57	46.43	45.04	45.09	44.03	44.43	44	43.18
D&N Haveli	10.27	10.39	10.57	11.00	11.00	11.00	9	8.52
Daman & Diu	1.35	1.36	1.39	1.00	1.00	0.82	1	0.80
Delhi	450.26	465.58	479.63	502.00	286.58	284.31	280	280.83
Lakshadweep	2.29	2.31	1.98	2.38	2.21	6.07	4	3.25
Puducherry	45.53	45.91	46.74	45.09	47.17	47.25	48	48.04
<b>All India</b>	<b>116425.30</b>	<b>121849.30</b>	<b>121847.65</b>	<b>127904.00</b>	<b>132430.59</b>	<b>137685.89</b>	<b>146314</b>	<b>155490.51</b>

<b>State wise Egg Production During 2009-10 to 2013-14 (million numbers)</b>								
	<b>2009-10</b>	<b>2010-11</b>	<b>2011-12</b>	<b>2012-13</b>	<b>2012-13</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>
Andhra Pradesh	183446.36	193958.45	201277.09	212103.27	222973.83	227874.76	130958.24	141743.16
Arunachal Pradesh	360.50	380.15	407.42	419.00	438.69	400.02	417.26	427.31
Assam	4658.93	4671.22	4707.31	4705.00	4709.58	4717.34	4227.94	4740.48
Bihar	10740.43	11001.77	7446.08	7552.00 6	8371.8	9308.19	9844.95	10021.04
Chhattisgarh	9737.92	10520.01	12454.34	12984.44	13704.06	14330.30	14731.73	15028.45
Goa	148.61	148.00	149.00	149.45	457.87	59.67	74.52	352.09
Gujrat	12675.35	12761.98	13269.23	14269.19	14558.39	15550.74	16564.99	17215.92
Haryana	38149.81	38453.06	39644.17	41141.91	42342.66	43590.99	45789.80	49133.39
HP	977.30	1000.26	1020.62	1049.66	1069.39	1075.48	1084.34	811.67
J&K	7208.26	7242.01	7725.19	6519.80	6715.41	6649.19	4957.63	2309.47
Jharkhand	3994.77	3924.73	4153.16	4313.22	4238.95	4444.99	4663.17	4832.84
Karnataka	23687.61	29094.30	30674.18	34698.77	36773.33	41300.99	43968.40	47660.42
Kerala	15094.54	16329.52	16856.02	17048.89	22375.28	24768.77	25036.11	24424.82
Madhya Pradesh	6712.60	7075.48	7577.23	7971.53	8710.78	9671.00	11775.55	14414.28
Maharashtra	35502.28	38640.12	42245.10	43860.99	45661.07	48314.57	50792.31	52858.26
Manipur	1105.25	1119.00	1137.05	1149.17	1162.19	1163.81	1129.37	1037.40
Meghalaya	994.52	999.47	1010.77	1021.14	1028.18	1049.36	1056.99	1063.66
Mizoram	411.14	370.92	387.32	349.33	352.02	362.31	377.33	391.13
Nagaland	831.92	833.50	802.03	703.65	617.98	223.34	352.77	464.52
Odisha	19940.15	23193.01	23570.78	23006.87	23229.84	23609.35	19245.00	19273.00
Punjab	36789.70	32828.13	35449.01	36030.00	37911.01	43375.57	42642.21	44218.23
Rajasthan	6449.17	6713.38	6696.92	9605.43	10334.90	11902.98	13202.01	13852.98
Sikkim	136.51	136.07	139.83	146.24	146.00	99.35	57.53	101.57
Tamil Nadu	88097.59	108475.73	115137.14	118518.45	119333.55	141235.38	159253.15	161251.99
Tripura	1388.41	1442.39	1569.45	1650.00	1565.17	1794.28	1979.49	2160.84
Uttar Pradesh	10139.80	10596.17	10990.72	16075.42	17073.67	18122.15	20775.69	21928.52
Uttarakhand	1961.81	2535.77	2613.81	2711.96	3079.14	3369.74	3697.42	3906.51
West Bengal	33055.70	36977.96	39939.32	43432.71	47114.91	47460.12	48135.68	60108.19
Telangana	-	-	-	-	-	-	106185.33	112058.23

<b>Union Territories:</b>								
A&N Island	272.88	248.53	180.06	180.56	170.27	1193.12	861.18	989.10
Chandigarh	272.88	248.53	180.06	180.56	170.27	172.69	169.28	166.66
D&N Haveli	70.66	70.71	70.28	73.00	73.00	72.99	72.99	72.99
Daman & Diu	18.83	18.90	18.81	19.67	20.00	12.98	19.46	17.83
Delhi	1.17	1.17	1.17	1.23	-	--	-	-
Lakshadweep	134.64	138.22	137.98	139.86	139.99	129.27	125.53	143.91
Puducherry	111.69	112.84	113.53	116.00	112.89	112.95	113.32	113.50
<b>All India</b>	<b>555624.39</b>	<b>602670.37</b>	<b>630243.90</b>	<b>664499.00</b>	<b>697307.17</b>	<b>747518.75</b>	<b>784838.68</b>	<b>829294.37</b>

<b>Fish Production during 2014-15 (Tones)</b>				
	<b>Marine</b>	<b>Inland</b>	<b>Total</b>	<b>Fish Seed Production (In Million Fry)</b>
Andhra Pradesh	475401	1489033	1964434	6718.98
Arunachal Pradesh	0	4000	4000	9.84
Assam	0	282700	282700	4585.00
Bihar	0	479800	479800	505.74
Chhattisgarh	0	314164	314164	1351.42
Goa	114571	3276	117847	1.40
Gujrat	698450	111482	809932	248.40
Haryana	0	111203	111203	639.06
HP	0	10736	10736	25.70
J&K	0	20300	20300	40.05
Jharkhand	0	106430	106430	1108.46
Karnataka	389822	223419	613241	529.96
Kerala	472744	159512	632256	0.00
Madhya Pradesh	0	109121	109121	1001.88
Maharashtra	423794	124952	548746	143.71
Manipur	0	30500	30500	170.00
Meghalaya	0 5893	5893	5893	58.43
Mizoram	0	6387	6387	30.00
Nagaland	0	7835	7835	47.70
Odisha	133211	306645	439856	5557.63
Punjab	0	114770	114770	229.74
Rajasthan	0	46314	46314	826.26
Sikkim	0	440	440	2.95
Tamil Nadu	457454	240158	697612	263.58
Telangana	0	265379	265379	3.30

Tripura	0	63560	63560	736.75
Uttarakhand	0	3936	3936	48.57
Uttar Pradesh	0	494265	494265	1661.54
West Bengal	178851	1438468	1617319	16717.00
<b>Union Territories:</b>				
A&N Island	36980	197	37177	1.21
Chandigarh	0	118	118	0.80
D&N Haveli	0	0	0	0
Daman & Diu	28772	0	28772	0
Delhi	0	0 675	0 675	1.67
Lakshadweep	13186	0	13186	0
Puducherry	68053	5452	73505	0
<b>All India</b>	3491290	6581121	10072411	43266.73

<b>Production of Horticultural Crops (Area 000 ha, Production 000 tones)</b>								
Year	Fruits		Vegetables		Flowers		Nuts (Almonds & walnut)	
	Area	Production	Area	Production	Area	Production	Area	Production
2009-10	6329	71516	7985	133738	183	1021	142	193
2010-11	6383	74878	8495	146554	191	1031	Included in fruits	
2011-12	6705	76424	8989	156325	254	1652	Included in fruits	
2012-13	6982	81285	9205	162187	233	1729	Included in fruits	
2013-14	7216	88977	9396	162897	255	2297	Included in fruits	
2014-15	6109.67	86601.68	9542.13	169478.23	248.51	2142.89	Included in fruits	
2015-16	6311.73	90533.94	9299.89	166466.57	248.30	1686.21	Included in fruits	
<b>Production of Horticultural Crops (Area 000 ha, Production 000 tones)</b>								
Year	Aromatic & medicinal plants		Plantation crops		Spices		Mushroom	Honey
	Area	Production	Area	Production	Area	Production	Production	Production
2009-10	509	573	3265	11928	2464	4016	41	65
2010-11	510	605	3306	12007	2904	5350	41	65
2011-12	506	566	3577	16359	3212	5951	NA	NA
2012-13	557	918	3641	16985	3076	5744	NA	NA
2013-14	493	895	3675	16301	3163	5908	NA	76



2014-15	--	--	3533.54	15574.83	3317.28	6108.28	--	--
2015-16	596.67	1241.97	3664.73	16146.18	3183.67	6132.55	--	88.90

**Year wise total Production of Horticultural Crops (Area 000 ha, Production 000 tones)**

<b>Year</b>	<b>Area</b>	<b>Production</b>
<b>2009-10</b>	<b>20876</b>	<b>223089</b>
<b>2010-11</b>	<b>21825</b>	<b>240531</b>
<b>2011-12</b>	<b>23242</b>	<b>257277</b>
<b>2012-13</b>	<b>23694</b>	<b>268847</b>
<b>2013-14</b>	<b>24198</b>	<b>277352</b>
<b>2014-15</b>	<b>23410</b>	<b>280986</b>
<b>2015-16 (estimated):</b>	<b>23304.87</b>	<b>282768.96</b>

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