

GOVERNMENT OF INDIA
MINISTRY OF AGRICULTURE AND FARMERS WELFARE
DEPARTMENT OF AGRICULTURE, COOPERATION & FARMERS WELFARE

LOK SABHA
STARRED QUESTION NO. 235
TO BE ANSWERED ON THE 2ND AUGUST, 2016

ORGANIC FARMING

*235. SHRI T. RADHAKRISHNAN:
SHRI RAJESH KUMAR DIWAKER:

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

- (a) the organic acreage and organic farm production in the country during the last three years and the current year, State and crop-wise along with the targets set in this regard for the coming years;
- (b) whether the Government proposes to develop a number of clusters for organic farming across the country and if so, the details thereof along with the States/regions which have been selected/identified to set up such clusters and the funds sanctioned and released for the purpose, State/UT-wise;
- (c) whether the Government has taken any steps to incentivise the farmers for their shift from inorganic to organic farming and if so, the details thereof along with the funds allocated, released and utilised for the promotion of organic farming/traditional methods of agriculture during the said period, State/UT-wise;
- (d) whether organic farming is beneficial in maintaining and sustaining the soil health and water levels and if so, the details thereof; and
- (e) the steps taken/being taken by the Government to improve organic productivity and output and make organic farming a game changer for the country in general and drought hit areas in particular?

ANSWER

MINISTER OF AGRICULTURE AND FARMERS WELFARE

कृषि एवं किसान कल्याण मंत्री

(SHRI RADHA MOHAN SINGH)

(a) to (e): A statement is laid on the Table of the House.

STATEMENT REFERRED TO IN REPLY TO PARTS (a) TO (e) OF LOK SABHA STARRED QUESTION NO.235 DUE FOR REPLY ON 2ND AUGUST, 2016.

(a): The total certified organic acreage and organic farm production in the country during 2015-16 were 14.90 lakh ha and 13.36 lakh metric tonnes respectively. The State wise certified farm area and production under National Programme on Organic Production (NPOP) for last three years are given at **Annexure I , II ,III and IV** respectively.

(b), (c) & (e): Government of India is promoting organic farming across the country through the dedicated scheme of **Paramparagat Krishi Vikas Yojana (PKVY)** from 2015 and **“Mission Organic Value Chain Development for North Eastern Region”** under National Mission for Sustainable Agriculture (NMSA) through cluster approach and supported by other schemes viz Rashtriya Krishi Vikas Yojana (RKVY) and Mission for Integrated Development of Horticulture (MIDH) and Network Project on Organic Farming under ICAR .

Under **PKVY scheme**, the assistance is provided to the farmers for cluster formation, mobilization of farmers, PGS certification and quality control, residue analysis of samples in NABL, conversion of land to organic farming, establishment of production units (Pachagavya /Beejamruth/Jeevamruth), green manuring/biological nitrogen harvest planting, botanical abstracts production units, liquid bio-fertilizers, liquid bio-pesticides, Phosphate Rich Organic Manure (PROM), establishment of vermi-compost unit, supply of improved agricultural implements, transportation of organic products, packing, labelling and branding of organic products etc. Under this scheme, 10,000 clusters covering an area of 2 lakh ha has been targeted to be covered under organic farming from 2015-16 to 2017-18.

Status of Scheme: Annual Action Plan of 29 States (including 12 drought states) and 1 Union Territory has been approved with total outlay for Rs. 511.67 crore to develop 7186 clusters out of which Rs.226.00 crore was released to the States during 2015-16. An

amount of Rs. 297 crore for 2016-17 is allocated for Paramparagat Krishi Vikas Yojana (PKVY). The scheme is implemented with a 90:10 (GOI : State Govt.) funding pattern in 8 NE states and 3 hilly states of J&K, Himachal Pradesh, and Uttrakhand, 100% in Union Territory and 60:40 funding pattern in remaining states of the country. The details are given at **Annexure V, VA and V B.**

Realizing the potential of organic farming in the North Eastern Region of the country, Ministry of Agriculture and Farmers Welfare has launched a **Central Sector Scheme entitled “Mission Organic Value Chain Development for North Eastern Region”** for implementation in the states of Arunachal Pradesh, Assam, Manipur, Meghalaya, Mizoram, Nagaland, Sikkim and Tripura, during 2015-16 to 2017-18. The scheme aims at development of certified organic production in a value chain mode to link growers with consumers and to support the development of entire value chain starting from inputs, seeds, certification, to the creation of facilities for collection, aggregation, processing, marketing and brand building initiative. The scheme was approved with an outlay of Rs. 400 crore for three years.

The assistance is provided for cluster development, on/off farm input production, supply of seeds/ planting materials, setting up of functional infrastructure, establishment of integrated processing unit, refrigerated transportation, pre-cooling /cold stores chamber, branding labelling and packaging, hiring of space, hand holdings, organic certification through third party, mobilization of farmers/processors etc. Under this scheme, area of 0.50 lakh ha have been targeted to be covered under organic farming in North Eastern Region of the country during 2015-16 to 2017-18.

Status of Scheme:

An amount of Rs. 158.87 crore was allocated to the north eastern states during 2015-16 and during 2016-17 the allocation is Rs. 176.75 crore. During 2015-16 and current year (2016-17), an amount of Rs. 112.11 crore and Rs. 28.70 crore have been released respectively to the states. The details are given at **Annexure VI**.

(d): Organic manures/ compost are eco-friendly and not only provide nutrients but also maintains soil fertility, improve soil biological and physical health including water holding capacity. In order to promote greater use of organic and biofertilizers, the Council has developed improved and efficient strains of biofertilizers specific to different crops and soil types under Network project on **Soil Biodiversity-Biofertilizers**. Liquid biofertiliser technology with higher shelf-life has also been developed. Besides, the Council has developed technology to prepare various types of organic manures such as phosphocompost, vermicompost, bio-enriched compost, municipal solid waste compost, etc. from various organic wastes.

Indian Council of Agricultural Research through its Plan Scheme “**Network Project on Organic Farming**” (NPOF) is undertaking research to develop location specific organic farming package of practices of crops and cropping systems. Presently, the project is being implemented in 20 centres covering 16 states. Organic farming package of practices for 42 crops / cropping systems have been developed to provide technical backstopping to Paramparagat Krishi Vikas Yojana (PKVY).

The ICAR also imparts training to educate farmers on organic farming practices.

**State wise Farm area (excluding Forest Area) under Organic Certification
for the year 2013-14, 2014-15 and 2015-16**

S.No.	State Name	Organic Farm Area (in Ha)		
		2013-14	2014-15	2015-16
1.	Andaman & Nicobar Islands	321.28	321.28	----
2.	Andhra Pradesh	12325.03	20524.67	18251.586
3.	Arunachal Pradesh	71.49	3688.61	4185.260
4.	Assam,	2828.26	16258.02	28433.244
5.	Bihar	180.60	247.10	91.700
6.	Chhattisgarh	4113.25	5163.53	10584.939
7.	Delhi	0.83	69.13	23.030
8.	Goa	12853.94	15621.24	16957.593
9.	Gujarat	46863.89	49353.55	76813.064
10.	Haryana	3835.78	6753.66	4869.048
11.	Himachal Pradesh	4686.05	10053.92	12759.125
12.	Jammu & Kashmir	10035.38	21111.22	25515.010
13.	Jharkhand	762.30	24698.80	30363.733
14.	Karnataka	30716.21	52473.16	93963.340
15.	Kerala	15020.23	22980.90	25899.395
16.	Lakshadweep	895.91	895.52	895.521
17.	Madhya Pradesh	232887.36	397546.62	461774.726
18.	Maharashtra	85536.66	134524.27	198352.289
19.	Manipur	0	168.20	251.400
20.	Meghalaya	373.13	1989.29	4609.422
21.	Mizoram	0	764.24	213.800
22.	Nagaland	5168.16	8362.43	6186.934
23.	Odisha	49813.51	81533.83	95896.981
24.	Pondicherry	2.84	2.84	2.835
25.	Punjab	1534.39	2677.58	961.203
26.	Rajasthan	66020.35	107523.24	155020.273
27.	Sikkim	60843.51	76392.38	75851.211
28.	Tamil Nadu	3640.07	11964.08	14456.500
29.	Telangana	0	2902.83	10355.587
30.	Tripura	203.56	203.56	203.560
31.	Uttar Pradesh	44670.10	53954.84	61081.828
32.	Uttaranchal	24739.46	36880.23	37221.387
33.	West Bengal	2095.51	16266.61	17890.412
	Total	723039.00	1183871.38	1489935.936

Source: Data provided by the accredited Certification Bodies under NPOP on tracenet

**State wise Organic Certified Production including In-conversion (excluding wild)
under NPOP for the year 2013-14, 2014-15, 2015-16**

(In MT)

S. No.	State	2013-14	2014-15	2015-16
1	Andaman & Nicobar Islands	0	0	0
2	Andhra Pradesh	8361.60	9556.78	6574.311
3	Arunachal Pradesh	17.34	0	----
4	Assam	7923.87	7515.37	9543.558
5	Bihar	0	0	----
6	Chhattisgarh	2276.93	4579.94	5954.250
7	Goa	4088.66	3427.63	4815.761
8	Gujarat	56217.21	60621.45	55466.237
9	Haryana	3823.24	2833.38	5133.963
10	Himachal Pradesh	123.58	227.26	1329.243
11	Jammu & Kashmir	6084.57	11234.83	18115.798
12	Jharkhand	0	0	----
13	Karnataka	258335.82	254664.37	282632.789
14	Kerala	6926.40	9122.56	12038.284
15	Lakshadweep	0	0	42.180
16	Madhya Pradesh	397015.12	321586.83	365551.289
17	Maharashtra	296846.63	217112.20	361670.576
18	Meghalaya	200.31	1738.29	772.293
19	Mizoram	0	0	
20	Manipur	17.70	0	
21	Nagaland	9.68	391.67	906.087
22	New Delhi	0	0	
23	Odisha	33668.27	28678.65	40788.120
24	Pondicherry	1.00	3.00	1.800
25	Punjab	2177.54	506.77	107.300
26	Rajasthan	54118.55	59449.77	58534.159
27	Sikkim	90.62	67.63	109.263
28	Tamil Nadu	8854.55	17218.40	14442.172
29	Telangana	0	164.00	821.708
30	Tripura		262.82	309.197
31	Uttar Pradesh	55575.44	50165.63	57415.921
32	Uttaranchal	15573.11	23695.78	20464.387
33	West Bengal	10774.53	10929.11	12411.647
	Total	1229102.28	1095754.12	1335952.293

Source: Data provided by the accredited Certification Bodies under NPOP on tracenet

CATEGORY-WISE PRODUCTION OF ORGANIC PRODUCTS FOR THE YEAR 2014-15	
Category	Organic Production (in MT)
Cereals	159500.16
Dry Fruits	7348.39
Fibre Crops	208931.40
FODDER CROPS	44.06
Fruits	20218.84
Medicinal/Herbal & Aromatic Plants (crops)	32663.25
Oil Seed crops	228414.22
ORNAMENTAL PLANTS & FLOWERS	2358.41
Plantation Crops	33929.77
PULSES	34717.45
Spices & Condiments	18176.21
Sugar Crops	338192.74
Tuber Crops	165.92
Vegetables	10823.93
Miscellaneous (others)	269.40
TOTAL	1095754.1
TOTAL ORGANIC FARM PRODUCTION	1095754.14 (1.09million MT)

Source: Information provided by the accredited certification Bodies under NPOP on Tracenet

Category- wise Production of organic products under NPOP for the year 2015-16	
Category	Organic Production (in MT)
Sugarcane	532364.32
Oil Seeds	252104.01
Cereals & Millets	205805.22
Cotton	163609.83
Pulses	39248.63
Medicinal Products	37221.56
Tea	27078.67
Fruits	24730.51
Spices & Condiments	24137.96
Dry Fruits	8614.32
Vegetables	8530.06
Coffee	6025.59
Coconut	4219.50
Others	2262.12
TOTAL	1335952.29

Source: Information provided by the accredited certification Bodies under NPOP on Tracenet

Annexure V

**Statement of amount of funds released to the States under PKVY during 2015-16.
(60:40 and 90:10 ratio of Central : State Share).**

(Rs.in Lakh)

S.No.	State	No. of Clusters	Total outlay approved by EC (Rs. in lakhs)	60% or 90% of GOI share	GOI Share released.
1	Assam	220	1552.42	1397.19	576.39
2	Arunachal Pradesh	19	137.08	123.37	51.41
3	Andhra Pradesh	411	2933.75	1760.25	1100.15
4	Bihar	327	2336.15	1401.69	1050.37
5	Chhattisgarh	188	1341.96	805.18	603.88
6.	Goa	04	28.55	17.13	7.14
7.	Gujarat	100	713.81	428.28	178.45
8.	Haryana	20	142.76	85.65	53.53
9	Himachal Pradesh	110	768.52	691.67	395.00
10	Jammu & Kashmir	28	199.87	179.88	74.95
11	Jharkhand	100	713.80	428.28	321.21
12	Karnataka	545	3890.26	2334.15	1945.12
13	Kerala	119	849.38	509.63	382.22
14	Madhya Pradesh	880	6281.50	3768.90	2826.67
15	Maharashtra	932	6929.36	4157.62	2598.51
16	Mizoram	34	237.54	213.79	89.08
17	Manipur	30	214.14	192.73	107.07
18	Nagaland	24	171.31	154.18	153.33
19	Meghalaya	45	321.21	289.09	144.54
20	Odisha	320	2284.19	1370.51	1027.88
21	Punjab	50	356.90	214.14	160.60
22	Rajasthan	755	5274.86	3164.92	2373.69
23	Sikkim	150	818.21	736.39	409.30
24	Tamil Nadu	112	799.46	479.68	399.73
25	Tripura	50	356.90	321.21	133.84
26	Telangana	300	2141.42	1284.85	1070.71
27	Uttar Pradesh	575	4104.39	2462.63	2052.20
28	Uttarakhand	550	3925.94	3533.35	1962.97
29	West Bengal	120	856.57	513.94	214.14
30	Andman & Nicobar	68	485.38	485.38	130.00
	Other administrative charges	-	-	-	24.85
	Total	7186	51167.59	33505.66	22618.96

The state wise clusters and funds allocated under PKVY for the year 2016 – 17

S.No.	States	State wise cultivable land (ha)(2011-2012*)(in 000 ha)	No. of Clusters	Funds Allocated (Rs. in lakh)
1	Andhra Pradesh	9949	154	659.55
2	Bihar	6588	102	436.84
3	Chhattisgarh	5557	86	368.32
4	Goa	197	3	12.84
5	Gujarat	12661	196	839.42
6	Haryana	3698	57	244.12
7	Himachal Pradesh	817	13	83.51
8	Jammu & Kashmir	1063	16	102.79
9	Jharkhand	4288	66	282.66
10	Karnataka	12850	200	856.56
11	Kerala	2274	500	2141.41
12	Madhya Pradesh	17284	267	1143.51
13	Maharashtra	21125	326	1396.19
14	Odisha	6749	110	471.11
15	Punjab	4250	65	278.38
16	Rajasthan	25555	395	1691.70
17	Tamil Nadu	8129	125	535.35
18	Telangana**	5945	92	394.02
19	Uttar Pradesh	19099	295	1263.43
20	Uttarakhand	1546	24	154.18
21	West Bengal	5697	88	376.89
22	Arunachal Pradesh	424	7	44.97
23	Assam	3217	50	321.21
24	Manipur	372	4	25.71
25	Meghalaya	1056	16	102.79
26	Mizoram	389	6	38.55
27	Nagaland	686	10	64.24
28	Sikkim	98	2	12.85
29	Tripura	277	5	32.12
	Total	181840	3280	14375.22

* Agriculture Statistics, 2014

** Figure taken from Agriculture Action Plan 2015-16, Department of Agriculture, Telangana

Annexure VB

The state wise funds released during 2016-17 to 12 drought affected states and 1 North-Eastern state under PKVY.

(Rs. in lakh)

S.No.	State	No. of Clusters	Approved Outlay	Funds Released
1	Andhra Pradesh	411	2933.75	798.17
2	Chhattisgarh	188	1341.96	314.78
3	Gujarat	100	713.81	238.83
4	Jharkhand	100	713.81	203.13
5	Karnataka	545	3890.26	815.27
6	Madhya Pradesh	880	6281.51	1787.60
7	Odisha	320	2284.18	650.03
8	Rajasthan	755	5274.86	1491.12
9	Telangana	300	2141.42	448.77
10	Bihar	327	2334.15	664.26
11	Haryana	20	142.76	45.98
12	Tamil Nadu	112	799.46	137.70
13	Tripura	50	356.90	205.89
	Total	4108	29208.83	7801.53

ANNEXURE VI

Mission Organic Value Chain Development for NE Region
Table: State-wise Number of FPC, area coverage in ha and budget allocation and released during 2015-16 & 2016-17

(Rs. in lakhs)

Name of the State	No. of FPC	Area in ha	Budget Allocation for 2015-16	Budget released 2015-16	Budget allocation 2016-17	Amount released 2016-17
Assam	10	5000	Rs. 2439.30	Rs. 2207.32	Rs. 1052.43	-
Manipur	10	5000	Rs.1174.42	Rs. 803.73	Rs. 2205.75	Rs. 370.69
Meghalaya	12	6000	Rs. 2070.24	Rs. 1293.22	Rs.1852.20	-
Nagaland	12	6000	Rs. 1426.74	Rs. 627.86	Rs.2489.70	Rs. 798.88
Mizoram	14	7000	Rs. 1882.43	Rs. 913.34	Rs.2601.32	Rs. 969.09
Arunachal Pradesh	10	5000	Rs. 1301.96	Rs. 779.31	Rs.2106.71	Rs. 522.65
Sikkim	28	14000	Rs. 5013.31	Rs. 4216.08	Rs.4178.55	-
Tripura	4	2000	Rs. 578.58	Rs. 370.13	Rs.1187.90	Rs. 208.45
Total	100	50000	Rs.15886.98	Rs.11210.99	Rs.17674.56	Rs. 2869.76
