

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

**LOK SABHA**  
**UNSTARRED QUESTION NO.3441**  
TO BE ANSWERED ON THE 6<sup>TH</sup> DECEMBER, 2016

**ORGANIC FARMING**

3441. SHRI ANTO ANTONY:  
SHRI SUSHIL KUMAR SINGH:  
SHRIMATI MAUSAM NOOR:  
SHRI VINOD LAKHAMASHI CHAVDA:  
SHRI D.S. RATHOD:  
SHRI MAHEISH GIRRI:  
SHRI HARIOM SINGH RATHORE:

Will the Minister of AGRICULTURE AND FARMERS WELFARE †ãðŠääÓã एवं किसान कल्याण ½ää`ääè  
be pleased to state:

- (a) the current status of organic farming in the country, State/UT-wise;
- (b) whether the organic/natural farming is emerging as a strong substitute for chemical farming despite being a more expensive farm practice and if so, the details thereof and the measures taken by the Government to make this conventional farming system cheaper/profitable in the country;
- (c) whether the Government is organizing training and awareness campaigns/workshops about organic farming techniques and the benefits of organic farming in the country and if so, the details thereof along with the number of farmers who have attended such workshops during the last three years and the current year, State-wise;
- (d) whether the Government proposes to provide subsidies and soft loans to the farmers engaged in organic farming as a fraction of total component of loans and subsidies provided by the States and the Centre and if so, the details thereof; and
- (e) whether the Government has conducted research on vertical farming and permaculture in the country and if so, the details and the outcome thereof?

**ANSWER**

MINISTER OF STATE IN THE MINISTRY OF AGRICULTURE AND FARMERS WELFARE

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(a): State wise certified area (cultivable and wild) under National Programme on Organic Production (NPOP) during 2015-16 is given at **Annexure-I**. Besides, Government of India has launched Participatory Guarantee System (PGS India) programme to promote low cost PGS organic certification under this programme. Till date (as on 30 November 2016) a total of 2962 groups and 73519.40 hectare area are certified under PGS.

(b) & (c): Organic farming is not expensive as compared to conventional farming. Government of India is promoting organic farming in country through the dedicated schemes of National Mission for Sustainable Agriculture (NMSA) viz Paramparagat Krishi Vikas Yojana (PKVY) and Mission Organic Value Chain Development for North Eastern Region (MOVCDNER). Other schemes of Govt. of India are also supporting organic farming viz., National Mission on Oilseeds and Oilpalm (NMOOP), National Food Security Mission (NFSM), Mission for Integrated Development of Horticulture (MIDH) and Indian Council of Agriculture Research (ICAR) Network Project on Organic Farming. The pattern of assistance is given at **Annexure II**.

The Government is organizing training and awareness campaign/workshop creating awareness and educating the farmers about organic farming practices in the areas where clusters are formed.

(a) Rs. 80,000 per cluster is provided as financial assistance under PKVY scheme for the mobilization of farmers through different training & exposure visits.

(b) Similarly, under MOVDNER scheme the financial assistance of Rs 8 crore is allocated for North Eastern Region to create awareness and publicity through lead agencies.

The National Centre of Organic Farming (NCOF), Ghaziabad, a unit under the department undertakes various extension and publicity activities like exhibitions, radio talks, TV programmes, distribution of literature on organic inputs/ organic farming etc. to educate the farmers. NCOF is also publishing biannual Newsletter "Biofertilizers" as well as quarterly Newsletter called Organic Farming. In addition, various books on production and use of bio-fertilizers have been published in various languages for distribution to the farming community. Radio jingles on organic agriculture are broadcast on 4 different FM Radio Stations including Delhi, Bangalore, Nagpur and Lucknow. NCOF organizes 30 days certificate course on organic farming for skill development in organic agriculture sector for youth. It also conducts 10 days Refresher course for analysts under Fertilizer Control Order (FCO); 5 Days Trainers Training & 2 Days training for field functionaries and extension staff of the State Government. NCOF has also been organizing Farmers' Training and Field Demonstration (FTFD) programmes on organic farming since 2015-16 in various villages adopted by the Hon'ble Members of Parliament under "Sansad Aadarsh Gram Yojana" (SAGY), through its Regional Centres of Organic Farming (RCOFs). It has completed 300 no. of FTFD in 2015-16 in which a total of 18051 farmers have been benefitted and has targeted 298 no. in the year 2016-17.

(d): Financial assistance is provided for setting up of mechanized Fruit/vegetables/Agro waste compost production units and biofertilizers/Bio-pesticides units. The pattern of assistance are giveat **Annexure-II** and State wise no. of units and subsidy under CISS for fruit/vegetable compost unit and State wise no. of units and subsidy under CISS for biofertilizer/biopesticides during last three years (According to NABARD) is given at **Annexure III and IIIA**.

(e): ICAR has informed that Preliminary, research he shown good prospects for vertical farming in horticulture to promote horticultural crops production from limited space in the country. There is no specific research as such on permaculture farming in India.

## Annexure I

### State wise certified area (cultivable and wild) under National programme on Organic Production (NPOP) during 2015-16

S No.	State Name	Farm Area (includes in conversion)	Wild Area (Ha)	Total area
1	Madhya Pradesh	461774.726	1813792.374	2275567.100
2	Himachal Pradesh	12759.125	1345690.120	1358449.245
3	Rajasthan	155020.273	398427.430	553447.703
4	Maharashtra	198352.289	67946.950	266299.239
5	Chhattisgarh	10584.939	170340.000	180924.939
6	Karnataka	93963.340	39683.930	133647.270
7	Odisha	95896.981	13327.068	109224.049
8	Uttar Pradesh	61081.828	45210.563	106292.391
9	Uttarakhand	37221.387	62679.000	99900.387
10	Andhra Pradesh	18251.586	75099.140	93350.726
11	Gujarat	76813.064	3608.340	80421.404
12	Jharkhand	30363.733	46685.000	77048.733
13	Sikkim	75851.211	0.000	75851.211
14	Arunachal Pradesh	4185.260	68300.000	72485.260
15	Jammu & Kashmir	25515.010	29000.000	54515.010
16	Kerala	25899.395	18889.100	44788.495
17	Assam	28433.244	60.000	28493.244
18	Tamil Nadu	14456.500	5073.290	19529.790
19	West Bengal	17890.412	0.000	17890.412
20	Punjab	961.203	16616.000	17577.203
21	Goa	16957.593	0.000	16957.593
22	Telangana	10355.587	0.000	10355.587
23	Nagaland	6186.934	0.000	6186.934
24	Haryana	4869.048	20.160	4889.208
25	Meghalaya	4609.422	0.000	4609.422
26	Lakshadweep	895.521	0.000	895.521
27	Manipur	251.400	0.000	251.400
28	Mizoram	213.800	0.000	213.800
29	Tripura	203.560	0.000	203.560
30	Bihar	91.700	0.000	91.700
31	New Delhi	23.030	0.000	23.030
32	Pondicherry	2.835	0.000	2.835
<b>Total</b>		1489935.936	4220448.465	5710384.401

Source: Information provided by the accredited certification Bodies under NPOP

## Annexure II

### A. National Mission of Sustainable Agriculture (NMSA)-Organic & INM Component of Soil Health Management (SHM):

- i) Setting up of State of art liquid/carrier based Bio-fertilizer/Bio-pesticide units, 100% Assistance to State Govt/Govt. Agencies upto a maximum limit of Rs.160.00 lakh/unit and 25% of total financial outlay or limited to Rs.40 lakh/unit whichever is less for individuals/private agencies through NABARD as back ended capital investment subsidy scheme of 200 Total Per Annum (TPA) production capacity.
- ii) Setting up of Bio-fertilizer and Organic fertilizer testing Quality Control laboratory (BOQCL) or Strengthening of existing Laboratory under FCO, assistance up to maximum limit of Rs.85 lakh for new laboratory and up to a maximum limit of Rs. 45 lakh for strengthening of existing infrastructure to State Government Laboratory under Agriculture or Horticulture Department.
- iii) Promotion of Organic Inputs on farmer's field (Manure, Vermi-compost, Bio-Fertilizers Liquid/solid, Waste compost, Herbal extracts etc.), 50% of cost subject to a limit of Rs.5000/-per ha and Rs.10,000 per beneficiary.
- iv) Setting up of mechanized Fruit/ Vegetable market waste/ Agro waste compost production unit 100% financial assistance to State Government/ Government Agencies upto a maximum limit of Rs.190.00 lakh per unit and 33% of project cost or maximum limited to Rs.63 lakh per unit whichever is less for individuals/private agencies through NABARD as capital investment for establishment of agro/vegetable waste compost production units of 3000 Total Per Annum (TPA) production.
- v) **Paramparagat Krishi Vikas Yojana (PKVY):** The scheme is implemented by the State Governments on a cluster basis of 20 hectare each. The farmer within the cluster is given following financial assistance for Integrated Manure Management.
  - a) Liquid Bio-fertilizer consortia (Nitrogen fixing/ Phosphate Solubilizing/ potassium mobilizing bio-fertilizer) @ Rs.500/acre x 50 of Rs.25000 per cluster in first year.
  - b) Liquid Biopesticides (Trichoderma viridae, Pseudomonas, fluorescens, Matarhizium, Beaviourie bassiana, Pacelomyces, verticillium) @ Rs.500/ acre x 50 of Rs.25000 per cluster in second year.
  - c) Phosphate Rich Organic Manure (PROM) as per specification given in FCO,1985 @ Rs1000/acre X 50 of Rs 50000 in first year for procuring and application of PROM.
  - d) Farmer can take up any pest control mechanism easily available in their local area @Rs 500/acreX50 of Rs.25000 in second year.

- e) Vermi-compost ( size 7'x3'x1) @ Rs. 5000/unit X50 of Rs 250000 will be assisted for procurement of earthworms, preparation of pits, etc for construction of vermi composting pits.

The detail guidelines are uploaded in web site [www.agricoop.gov.in](http://www.agricoop.gov.in).

(vi) **MOVCDNER Central Sector Scheme:** 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 labeling and packaging, hiring of space, hand holdings, organic certification through third party, mobilization of farmers/processors etc. Under this scheme, an area of 0.50 lakh ha will be covered under organic farming in North Eastern Region of the country during next three years. The detail guidelines are uploaded in web site [www.agricoop.gov.in](http://www.agricoop.gov.in).

## **B Mission for Integrated Development of Horticulture (MIDH)**

1. **Adoption of Organic Farming.** -50% of cost limited to Rs. 10000/ha for a maximum area of 4 ha. per beneficiary, spread over a period of 3 years involving assistance of Rs.4000/- in first year and Rs.3000/- each in second & third year. The programme to be linked with certification.
2. **Organic Certification** - Rs. 5 lakh for a cluster of 50 ha which will include Rs. 1.50 lakh in first year, Rs. 1.50 lakh in second year and Rs. 2.00 lakh in third year.
3. **Vermi compost Units/organic input production** - 50% of cost conforming to the size of the unit of 30'X8'X2.5' dimension of permanent structure to be administered on pro-rata basis. For HDPE Vermibed, 50% of cost conforming to the size of 96 cft (12'X4'X2') and IS 15907:2010 to be administered on pro-rata basis (Rs. 100,000/ unit for permanent structure and Rs. 16,000/unit for HDPE Vermibed).

**C .National Mission on Oilseeds and Oil Palm (NMOOP):** Financial assistance is being provided for different type of components including bio-fertilisers, Supply of Rhizobium culture/Phosphate Solubilising Bacteria (PSB)/ Zinc Solubilising Bacteria (ZSB)/ Azatobacter/ Mycorrhiza and vermi compost.

**D. National Food Security Mission (NFSM):** Under NFSM, financial assistance is provided for promotion of Bio-Fertilizer (Rhizobium/PSB) @50% of the cost limited to Rs.300 per ha.

**E. Rashtriya Krishi Vikas Yojana (RKVY):** Organic Farming projects are considered by respective State Level Sanctioning committee.

**Indian Council of Agricultural Research (ICAR):** The Indian Council of Agriculture Research (ICAR), Pusa under Network project on Soil Biodiversity-Biofertiliser has developed improved and efficient strains of biofertiliser specific to different crops and soil types. Liquid Bio-fertiliser 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.

The ICAR also imparts training, organizes Front Line Demonstrations (FLDs) to educate farmers on all these aspect.

### Annexure-III

#### State wise no of units and subsidy under CISS for fruit/vegetable compost unit (According to NABARD communication)

S.N.	State	2013-14		2014-15		2015-16	
		Unit	Subsidy (Rs..Lakh)	Unit	Subsidy (Rs.Lakh)	Unit	Subsidy (Rs. Lakh)
1.	Assam	01	15.098	-	-	-	-
2.	Haryana	-	-	-	-	01	30.0
3.	Karnataka	03	84.268	-	-		
4.	Madhya Pradesh		-	-	-	01	19.191
5.	Tamil Nadu	-	-	-	-	01	29.97
	<b>Total</b>	<b>04</b>	<b>99.366</b>	<b>0</b>	<b>0</b>	<b>03</b>	<b>79.161</b>

Note : information compiled by NCOF

### Annexure III A

**State wise no of units and subsidy under CISS for biofertilizer/biopesticides during last three years (According to NABARD)**

S.N.	State	2013-14		2014-15		2015-16	
		Unit	(Rs. Lakh)	Unit	(Rs. Lakh)	Unit	(Rs. Lakh)
1	Andhra Pradesh	02	13.735	-	-	-	-
2	Assam	01	20.0	-	-	01	1.667
3	Gujarat	01	40.0	02	36.85		-
4	Haryana	01	8.538	-	-	-	-
5	Himachal Pradesh	-	-	01	12.768	01	12.767
6.	Karnataka	01	40.0	02	40.572	05	173.0
7.	Maharashtra	01	11.217	-	-	02	23.975
8.	Punjab	02	10.218	02	10.121	03	22.99
9.	Rajasthan	-		-	-	01	5.294
10.	Tamil Nadu	03	98.34	02	32.222	01	31.35
11	Uttar Pradesh	-		01	20.0	02	30.0
12	Uttarakhand	-		-	-	01	12.75
	<b>Total</b>	<b>12</b>	<b>242.048</b>	<b>10</b>	<b>152.533</b>	<b>17</b>	<b>313.793</b>

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