

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

LOK SABHA
UNSTARRED QUESTION NO.2704
TO BE ANSWERED ON THE 1ST AUGUST, 2017

USE OF BIO-FERTILIZERS

2704. SHRI SUBHASH PATEL:

Will the Minister of AGRICULTURE AND FARMERS WELFARE **†ãðŠääÓã** एवं किसान कल्याण **½ãâããè** be pleased to state:

- (a) whether it is a fact that products for manufacturing organic fertilizer are not being utilized properly in the country;
- (b) if so, the details thereof and the reasons therefor; and
- (c) whether the Government has prepared any action plan for the widespread use of organic and bio fertilizers in the agriculture sector if so, the details thereof?

ANSWER

MINISTER OF STATE IN THE MINISTRY OF AGRICULTURE AND FARMERS WELFARE

†ãðŠääÓã एवं किसान कल्याण **½ãâããè** **½ãñã Àã•¾ã ½ãâããè** (SHRI PARSHOTTAM RUPALA)

(a) to (c): The details of subsidy under Capital Investment Subsidy Scheme (CISS) provided through National Bank For Agriculture And Rural Development (NABARD) for bio-fertilizer production units/ fruit vegetable waste compost units operating in states is given at **Annexure I and II** .

Government is providing financial assistance for use of bio fertilizer through various schemes/ programmes viz: National Mission for Sustainable Agriculture (NMSA)/Paramparagat Krishi Vikas Yojana (PKVY), Rashtriya Krishi Vikas Yojana (RKVY), Mission for Integrated Development of Horticulture (MIDH), National Mission on Oilseeds & Oil Palm (NMOOP) and Network Project on Organic Farming of Indian Council of Agricultural Research (ICAR) .The pattern of assistance provided to State Governments through various schemes for promoting use of organic/bio fertilizer is given at **Annexure III**.

Annexure-I

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

S.No	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		
3	Haryana	01	8.538	-	-		
4	Himachal Pradesh	-	-	01	12.768	01	12.767
5	Karnataka	01	40.0	02	40.572	05	173.0
6	Maharashtra	01	11.217	-	-	02	23.975
7	Punjab	02	10.218	02	10.121	03	22.99
8	Rajasthan	-		-	-	01	5.294
9	Tamil Nadu	03	98.34	02	32.222	01	31.35
10	Uttar Pradesh	-		01	20.0	02	30.0
11	Uttara khand	-		-	-	01	12.75
	Total	12	242.048	10	152.533	17	313.793

Source: NCOF Ghaziabad

Annexure II.

State-wise no. of units and subsidy under CISS for fruit vegetable waste compost during last three years (According to NABARD)

S.No.	State	2013-14		2014-15		2015-16	
		Unit	(Rs. Lakh)	Unit	(Rs. Lakh)	Unit	(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
	Total	04	99.366	0	0	03	79.161

Source: NCOF Ghaziabad

Annexure III

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 upto maximum limit of Rs.85 lakh for new laboratory and upto 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 VikasYojana (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) 2 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) Vermicompost (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

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

F. Indian Council of Agricultural Research (ICAR): The Indian Council of Agricultural Research (ICAR), Pusa under Network project on Soil Biodiversity-Bio-fertilizer has developed improved and efficient strains of bio-fertilizer specific to different crops and soil types. Liquid Bio-fertilizer technology with higher shelf life has also been developed. The ICAR also imparts training, organizes Front Line Demonstrations (FLDs) to educate farmers on all these aspects.
