

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

**LOK SABHA**  
**ADMITTED QUESTION NO. 4296**  
TO BE ANSWERED ON THE 29<sup>th</sup> MARCH, 2022

**USE OF BIO-FERTILIZERS**

4296: SHRI CHANDAN SINGH:  
SHRI AJAY NISHAD:

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

- (a) whether the Government plans to encourage the production and use of bio-fertilizers and organic fertilizers;
- (b) if so, the names of various non-chemical bio-fertilizers produced and marketed in the country including the names of various existing supportive systems;
- (c) whether the Government proposes to bring these bio-fertilizers under the proposed Nutrient based Subsidy Scheme (NBS) ; and
- (d) if so, the details thereof?

**ANSWER**

MINISTER OF AGRICULTURE AND FARMERS WELFARE

कृषि एवं किसान कल्याण मंत्री (SHRI NARENDRA SINGH TOMAR)

(a) to (d): The details of the schemes for production and use of bio-fertilizers/organic fertilizer are given at **Annexure-I**.

Under Soil Health Management (SHM) schemes, financial assistance is provided @ Rs. 160.00 lakh for establishing new bio fertilizer unit (200 MT/ 50000 litre capacity). 15 bio fertilizer production unit has been established under (SHM) so far.

The names of various bio-fertilizer produced and marketed in the country are Rhizobium, Azotobactor, Azospirillum, Phosphate Solubilising Bacteria, Mycorrhizal Biofertilisers, Potassium Mobilizing Biofertilizers (KMB) Zinc Solubilizing Biofertilizers (ZSB) Acetobactor, Carrier Based Consortia, Liquid Consortia, and Phosphate Solubilizing Fungus Bio-fertilizer and organic fertilizers like city compost, vermicompost, compost Deoiled cake, Phospho Rich Organic Manure (PROM), City compost, organic manure, Bone meal raw, Bone meal steamed, Postash derived from Rhodophytes, Fermented Organic manure, liquid Fermented Organic manure and Bio-enriched Organic Manure under the Fertilizer (Control) Order (FCO), 1985.

These bio-fertilizers have been notified under FCO 1985 wherein, quality standard of bio fertilizers have been specified which are required to be adhered by manufacturer.

For testing of quality of these bio-fertilizers 28 laboratories have been notified under FCO, 1985. For sale of bio-fertilizer, provision has been made under FCO, 1985 to obtain authorization from notified authority of State Government.

Government is implementing dedicated schemes Paramparagat Krishi Vikas Yojana (PKVY) and Mission Organic Value Chain Development for North Eastern Region (MOVCDNER) since 2015-16 for promotion of organic farming in the country which encourages use of organic and bio fertilizer. Financial assistance is provided under organic farming schemes for promoting use of bio and organic fertilizer @ Rs. 31,000/ha under Paramparagat Krishi Vikas Yojana (PKVY) and @ Rs. 32000/ha under Mission Organic Value Chain Development for North Eastern Region (MOVDNER).

## Annexure I.

Steps taken by government for promotion and use of bio-fertilizers through various schemes.

- Paramparagat Krishi VikasYojana(PKVY): Under the scheme farmers are provided subsidy of Rs 31000/ ha / 3 years for organic inputs including biofertilizers..
- Mission Organic Value Chain Development for North Eastern Region (MOVCDNER): Under the scheme farmers are provided Rs 32500/ ha/ 3 years for various organic inputs including bio- fertilisers.
- National Mission on Oilseeds and Oil Palm (NMOOP): Financial assistance@ 50% subsidy to the tune of Rs. 300/- per ha is being provided for different components including bio-fertilizers, supply of Rhizobium culture/Phosphate Solubilising Bacteria (PSB)/ Zinc SolubilisingBacteria(ZSB)/ Azatobacter/ Mycorrhiza and vermi compost
- 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.
- Indian Council of Agricultural Reserch: 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 Biofertilizer technology with higher shelf-life has also been developed. The biofertilizers - inexpensive and eco-friendly source of nutrients are important component of Integrated Nutrient Management.

Besides, the Council has developed technology to prepare various types of organic manures such as phosphocompost, vermincompost, bio-enriched compost, municipal solid waste compost, etc. from various organic wastes. These fertilizers have been tested scientifically in ICAR institutions and SAUs on various crops and soil types and found suitable for improving soil health and crop productivity.

The ICAR also imparts training to educate farmers on all these aspects.

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