

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

LOK SABHA
UNSTARRED QUESTION NO. 398
TO BE ANSWERED ON THE 30TH NOVEMBER, 2021

EFFECTS OF CHEMICALS/ BIO-FERTILIZERS

398. SHRI ASADUDDIN OWAISI:

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

- (a) whether the Government is aware about the effect of chemical and bio-fertilizers on agriculture;
- (b) if so, the details thereof;
- (c) whether the Government has any plan for opening of distribution/sale centres for organic/biofertilizers on the lines of the sales/distribution centres set up for chemical fertilizers;
- (d) if so, the details thereof;
- (e) whether the Government propose to promote the use of vermicompost/decompost manure to promote bio-organic fertilizers; and
- (f) if so, the details thereof?

ANSWER

MINISTER OF AGRICULTURE AND FARMERS WELFARE

कृषि एवं किसान कल्याण मंत्री (SHRI NARENDRA SINGH TOMAR)

(a) & (b): The Indian Council of Agricultural Research (ICAR) through Indian Institute of Soil Science (IISS), All India Coordinated Research Projects (AICRPs) and Micro- and Secondary Nutrients and Pollutant Elements (MSNP) have studied the response of various major and micro nutrients applied through chemical fertilizers in different crops. Similarly, the Council has developed improved and efficient strains of bio-fertilizers specific to different crops and soil types under Network Project on Soil Biodiversity-Bio-fertilizers. Based on these studies ICAR is recommending soil test based balanced and integrated nutrient management through conjunctive use of both inorganic and organic sources (manure, bio-fertilizers etc.) of plant nutrients to improve soil health and fertility.

(c) to (f): Government is promoting the use of vermicompost/decompost manure to promote bio-organic fertilizers through dedicated schemes of organic farming namely Paramparagat Krishi Vikas Yojana(PKVY) , Mission Organic Value Chain Development for North Eastern States (MOVCDNER). Financial assistance is also provided 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.

Under Capital Investment Subsidy Scheme (CISS), credit linked back ended subsidy is provided through National Bank for Agricultural and Rural Development (NABARD) @33% of Total Financial Outlay subject to the maximum of Rs 63 lakh/ unit against Total Financial Outlay (TFO) of Rs.190.00 lakh for maximum capacity of 100 TPD of Fruit & Vegetable Agro Composting Unit, while State and Central Government agencies are provided 100% assistance with maximum limit of Rs 190.00 lakh. Moreover, for establishment of Bio-fertilizer/ Bio-pesticide production units of 200 Ton Per Annum (TPA) capacity, 100% assistance is provided to State Govt./ Govt. Agencies up to a maximum limit of Rs.160.00 lakh/ unit. Similarly, for individuals/ private agencies assistance up to 25% of cost limited to Rs.40 lakh/unit as capital investment is provided through NABARD.

Government is also promoting the use of bio-organic fertilizers through various schemes which is given at **Annexure-I**. However, retailers/traders of bio/organic fertilizers are required to obtain permission from States Government for sale of bio/organic fertilizers, as per provision of clause 8 of Fertilizer Control Order (FCO), 1985.

Steps taken by government for promotion of bio/organic fertilizers through various schemes.

- **Soil Health Management (SHM):** Government is providing Rs 160 lakh /unit for establishment of bio-fertilizer production unit (200MT capacity) to State Government which is shared on 60:40 ratios between Gol and State Government. 15 bio-fertilizer production units have been established under SHM
- **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 Solubilising Bacteria(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.
- Based on ICAR recommendation Government is promoting soil test based balanced and integrated nutrient management through conjunctive use of both inorganic and organic sources (manure, bio-fertilizers etc.) of plant nutrients to improve soil health and fertility.
