

GOVERNMENT OF INDIA  
MINISTRY OF CHEMICALS & FERTILIZERS  
DEPARTMENT OF FERTILIZERS

RAJYA SABHA

UN STARRED QUESTION NO. 657 TO BE ANSWERED ON: 13.12.2022

Use of organic and nano-fertilizers

657. SHRI K.R. SURESH REDDY:

Will the Minister of **CHEMICALS & FERTILIZERS** be pleased to state:-

- (a) whether the Government agrees with the view that using organic and nano-fertilizers instead of fertilizers will reduce the cost and improve soil health;
- (b) if so, the steps taken or proposed to be taken by Government to promote organic and nano-fertilizers; and
- (c) if not, the reasons therefor?

ANSWER

MINISTER OF STATE FOR CHEMICALS AND FERTILIZERS

(SHRI BHAGWANTH KHUBA)

(a) : The Indian Council of Agriculture Research (ICAR) recommends soil test based balanced and integrated nutrient management through conjunctive use of both inorganic and organic sources (manure, bio-fertilizers, etc.) of plant nutrients with 4R approaches, i.e right quantity, right time, right mode and right type of fertilizer to promote balanced use of fertilizers. In addition, growing leguminous crops and use of Resource Conservation Technologies (RCTs) is also advocated. Nano Fertilizers (Nano Urea developed by IFFCO has been provisionally included in Fertilizer Control Order (FCO), 1985 based on the preliminary experiment trials undertaken in several ICAR research institutes/state agricultural universities on different crops. Nano-urea spray on different crops gave comparable yields to those obtained under fully recommended doses of fertilizers with saving on top dressed nitrogen. Nano Fertilizers hold great promise for application in plant nourishment because of the size-dependent qualities, high surface-volume ratio and unique optical properties.

(b) & (c): Government has been implementing Paramparagat Krishi Vikas Yojana (PKVY) and Mission Organic Value Chain Development for North Eastern Region (MOVCDNER) schemes to promote organic farming since 2015-16. PKVY is implemented in all the States and Union Territories across the country to promote organic farming in cluster mode. Under the PKVY scheme, farmers are provided financial assistance of Rs 50000/ha for 3 years in which, Rs 31000/ha/3 years is provided directly to farmers through Direct Benefit Transfer (DBT) for organic inputs

such as seeds, bio fertilizers, bio-pesticides, organic manure, compost/vermi-compost, botanical extracts, etc. Under PKVY scheme, Government is providing assistance for training and capacity building of farmers on organic farming @ 7500/ha/farmer/3 years. A low cost Participatory Guarantee System (PGS) certification has been launched by Government for development of domestic organic market. Under the Scheme, farmers are assisted @ 2700/ha/3 years for certification. In addition, assistance is provided @8800/ha/3years for value addition, marketing and brand building. Under MOVCDNER scheme, assistance is provided @ Rs. 32500/ha/3 years to farmers for procurement/on-farm production organic inputs including organic fertilizers. Further, use of Nano Urea is being promoted through different activities such as awareness camps, webinars, nukkad nataks, field demonstrations, kisan sammelans and films in regional languages, etc.

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