

GOVERNMENT OF INDIA
MINISTRY OF CHEMICALS AND FERTILIZERS
DEPARTMENT OF FERTILIZERS

LOK SABHA

STARRED QUESTION NO. 355* TO BE ANSWERED ON: 24.03.2023

Use of Nano-Fertilizers

***355: SHRI KANUMURU RAGHU RAMA KRISHNA RAJU:**

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

- (a) whether the Government has taken note of the experiment by IFFCO on the use of nano-fertilizers for improving the food quality and food security in the country;
- (b) if so, the details thereof;
- (c) whether the Government has formulated any scheme to tap such scientific interventions in agriculture to reduce dependence on chemicals; and
- (d) if so, the details thereof and if not, the reasons therefor?

ANSWER

MINISTER OF CHEMICALS & FERTILIZERS AND HEALTH & FAMILY WELFARE

(DR. MANSUKH MANDAVIYA)

(a) to (d): A statement is laid on the table of the House.

**STATEMENT REFERRED TO IN REPLY TO PART (A) to (D) OF THE LOK SABHA
STARRED QUESTION NO. 355* TO BE REPLY ON 24.03.2023 REGARDING- “USE OF
NANO FERTILIZERS” ASKED BY SHRI KANUMURU RAGHU RAMA KRISHNA RAJU**

(a) & (b): IFFCO has developed nanotechnology based Nano Urea (Liquid) fertilizer, which has been provisionally included in Fertilizer Control Order (FCO)-1985, based on the preliminary experimental trials undertaken in several ICAR research institutes /State agricultural Universities. Nano-urea spray on different crops gave comparable yields to those obtained under fully recommended Doses of fertilizers with 50% savings in top dressed urea.

Moreover, IFFCO has informed that its Nano Fertilizer (Nano Urea) have been tested for quality, safety, bio safety and toxicity as per the Guidelines for Evaluation of Nano-Based-Agri Input & Food Products in India-2020” of Department of Bio Technology (DBT), Government of India. The tests were conducted by NABL Accredited and Good Laboratory Practices (GLP) certified laboratories. Furthermore, the test results were evaluated by the Central Fertiliser Committee (CFC), DBT and Indian Council for Agricultural Research (ICAR) Committee and were declared safe.

(c) & (d): To reduce dependence on chemicals, Government is promoting organic farming using organic fertilizers through the schemes of Paramparagat Krishi Vikas Yojana (PKVY) and Mission Organic Value Chain Development for North Eastern Region (MOVCDNER) since 2015-16. Both the schemes stress on end to end support to farmers engaged in organic farming i.e. from production to processing, certification and marketing and post harvest management support including processing. PKVY is being implemented in all the States other-than North Eastern States, across the country. MOVCDNER scheme is implemented exclusively in the NE States.

Under PKVY, farmers of various States of the country are provided financial assistance of Rs 50000/ha for 3 years out of which, Rs 31000/ ha / 3 years is provided directly to farmers through DBT for on-farm and off-farm organic inputs. Under MOVCDNER, an assistance of Rs. 46,575/ha for 3years is provided for creation of FPO, support to farmers for organic inputs, quality seeds/ planting material and training, hand holding and certification. Financial assistance @ Rs 32500/ ha for 3 years is provided to farmers for on- farm /off –farm organic inputs under the scheme.
