

GOVERNMENT OF INDIA
MINISTRY OF CHEMICALS AND FERTILIZERS
DEPARTMENT OF FERTILIZERS

RAJYA SABHA

UNSTARRED QUESTION NO. 179 TO BE ANSWERED ON: 05.12.2023

Promotion of 'Nano Urea' in the country

179: SHRI KANAKAMEDALA RAVINDRA KUMAR:

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

- (a) whether it is a fact that Government is promoting 'Nano urea' in a big way and encouraging the farmers to use it instead of traditional urea;
- (b) if so, the details thereof;
- (c) whether Government has taken note of certain apprehensions raised from some quarters regarding the efficacy of the 'Nano urea'; and
- (d) if so, details thereof and response of Government on this issue?

ANSWER

MINISTER OF STATE FOR CHEMICALS AND FERTILIZERS
(SHRI BHAGWANTH KHUBA)

(a) & (b): Yes, Sir. The following steps are taken to promote the use of "Nano Urea" amongst the farmers:-

- i. Use of Nano Urea is promoted through different activities such as awareness camps, webinars, nukkad natak, field demonstrations, Kisaan Sammelans and films in regional languages etc.
- ii. Nano Urea is made available at Pradhan Mantri Kisan Samridhi Kendras (PMKSKs) by concerned companies.
- iii. Nano Urea has been included under monthly supply plan issued by Department of Fertilizers regularly.
- iv. ICAR through Indian Institute of Soil Science, Bhopal recently organized National Campaign on "Efficient and Balanced Use of Fertilizer (including Nano-fertilizers).
- v. Promotion of use of nano fertilizers has been included as one of the activity under the Viksit Bharat Sankalp Yatra (VBSY) which was launched on 15th November, 2023 with the objective to reach out to people to create awareness and to provide benefits of flagship Government schemes.
- vi. For ease in application and utilization of Nano fertilizers like Nano Urea through foliar application, initiatives such as innovative spraying options like 'Kisan Drones' and distribution of battery operated Sprayers at retail points are undertaken. For this purpose, pilot training and custom hiring spraying services through Village Level Entrepreneurs are actively promoted.

- vii. Nano Urea is made available for sale through various platforms & marketing channel so as to increase overall reach of Nano fertilizers for the farmers. It is also available for sale on IFFCO's digital platform 'www.iffcobazar.in' through e-commerce.
- viii. CCEA has approved the Central Sector Scheme "Prime Minister – Mahila Kisan Drone Kendra". Under the said scheme, 500 drones have been made available by fertilizer companies to Women Self Help Groups which is ensuring increased application of nano fertilizers through drones.

(c) & (d): Based on the multi-locational trials in the State Agricultural Universities (SAUs) and Indian Council of Agricultural Research (ICAR) institutions, Department of Agriculture & Farmers Welfare (DA&FW) had provisionally notified Nano Urea as Nano Nitrogen Fertilizers in Fertilizer Control Order, 1985. Indian Council of Agricultural Research (ICAR) has informed that experimental trials of Nano urea revealed that two spray of nano urea as top-dressing alongwith recommended basal dose of nitrogen gave comparable yield to that obtained with full recommended dose of nitrogen with yield advantage of 3-8% and urea saving of 25-50% in various crops.
