

GOVERNMENT OF INDIA  
MINISTRY OF CHEMICALS AND FERTILIZERS  
DEPARTMENT OF FERTILIZERS

**LOK SABHA**

**UNSTARRED QUESTION NO. 4186 TO BE ANSWERED ON: 20.12.2024**

**Adoption of Nano-Fertilizers**

**4186:** SHRI NAVEEN JINDAL:

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

- (a) whether it is true that adoption of nano-fertilizers by farmers in the country is about 5% only;
- (b) if so, the reasons behind such a situation; and
- (c) the steps taken by the Government to apprise the farmers about the huge benefits of nano-fertilizers so as to popularize its usage?

**ANSWER**

MINISTER OF STATE IN THE MINISTRY OF CHEMICALS AND FERTILIZERS  
**(SMT. ANUPRIYA PATEL)**

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(a) & (b): Department of Agriculture & Farmers Welfare (DA&FW) had provisionally notified Nano Urea as Nano Nitrogen Fertilizers in Fertilizer Control Order, 1985. Additionally, the Government of India has also notified Nano DAP under the FCO, 1985.

Accordingly, 11.53 crore bottles of Nano Urea have been produced by the Fertilizer Companies, out of which 9.07 crore bottles (500 ml each) have been dispatched to States. Similarly, 2.62 crore bottles of Nano DAP have been produced by the Fertilizer Companies, out of which 1.82 crore bottles (500ml each) have been dispatched to States.

(c): In order to promote the use of Nano Fertilizers amongst the farmers, the following steps have been taken:

- i. Use of Nano Urea is promoted through different activities such as awareness camps, webinars, nukkad nataks, field demonstrations, Kisan 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 was done during the Viksit Bharat Sankalp Yatra (VBSY) which was launched on 15th November, 2023.
- vi. With an aim to provide drones to 15,000 women Self Help Groups (SHGs), the Government of India has launched the 'Namo Drone Didi' Scheme. Under the said scheme, 1094 drones have been made available by fertilizer companies to Namo Drone Didis of Women Self Help Groups, which is ensuring increased application of nano fertilizers through drones.
- vii. DoF in collaboration with fertilizer companies has initiated a Maha Abhiyan for adoption of Nano DAP in all 15 agro-climatic zones of the country through consultations and field level demonstrations. Further, DoF in collaboration with fertilizer companies has also launched campaign for field level demonstrations and awareness programs of Nano Urea plus in 100 districts of the country.

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