

GOVERNMENT OF INDIA
MINISTRY OF CHEMICALS AND FERTILIZERS
DEPARTMENT OF FERTILIZERS

LOK SABHA

UNSTARRED QUESTION NO. 1176+ TO BE ANSWERED ON: 09.02.2024

Use of Nano Urea Liquid Fertilizer

1176+: SHRI JASWANT SINGH BHABHOR:

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

- (a) whether the use of nano urea liquid fertilizers is likely to reduce the agriculture cost for farmers and increase the yield and fertility of their fields;
- (b) if so, the details thereof;
- (c) whether the Government has prepared any action plan to ensure the timely availability of nano urea to farmers in the country; and
- (d) if so, the details thereof?

ANSWER

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

(a) & (b): 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 along with recommended basal dose of nitrogen gave comparable yield with full recommended dose of nitrogen with yield advantage of 3-8% and urea saving of 25-50% in various crops. Price of Nano Urea (liquid) sold by IFFCO and Ray Nano Science is Rs 225 / 500 ml bottle, which is 16 % less than the price of a 45 Kg bag of Neem Coated Urea.

(c) & (d): The following steps are taken to ensure the timely availability of Nano Urea amongst the farmers:-

- i. DoF has instructed Fertilizer Companies that Nano Urea to be made available at Pradhan Mantri Kisan Samridhi Kendras (PMKSKs).
- ii. Nano Urea has been included under monthly supply plan issued by Department of Fertilizers regularly.
- iii. Fertilizer Companies make available Nano Urea for sale through various platforms & marketing channel so as to increase overall reach of Nano fertilizers for the farmers.
