

GOVERNMENT OF INDIA
MINISTRY OF CHEMICALS AND FERTILIZERS
DEPARTMENT OF FERTILIZERS

LOK SABHA

UNSTARRED QUESTION NO. 1304 TO BE ANSWERED ON: 09.02.2024

Action Plan for Nano Fertilizer Production

1304: SHRI E.T. MOHAMMED BASHEER :

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

- (a) whether the Government has taken note that Nano fertilizer is not advantageous for the farmers economically and environmentally in the country, if so, the details thereof;
- (b) whether the Government has any time bound action plan with regard to production of nano fertilizer in the country; and
- (c) if so, the details thereof?

ANSWER

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

(a): Based on the bio-efficacy trials at multiple locations by Indian Council of Agricultural Research (ICAR) institutions and State Agricultural Universities (SAUs) and bio-safety test results, Department of Agriculture & Farmers Welfare (DA&FW) had provisionally notified Nano Urea as Nano Nitrogen Fertilizers in Fertilizer Control Order, 1985. These experimental trials were conducted of Nano urea on different crops such as paddy, Wheat, Mustard, Maize, Tomato, Cabbage, Cucumber, Capsicum and Onion in different agro-climatic zones. The study indicated that two spray of nano urea as top-dressing along with 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. Price of IFFCO Nano Urea (liquid) is Rs. 225 / 500 ml bottle, which is 16 % less than the price of a 45 Kg bag of conventional Urea.

(b) & (c): The Government of India is not directly involved in setting up of Nano Urea Plants. Overall 3 Nano Urea plants at Kalol, Phulpur and Aonla with combined total capacity of 17 crore bottles (500 ml each)/ annum have been set up by IFFCO and 1 plant at Anand, Gujarat with capacity of 4.5 crore bottles (500 ml each)/ annum has been set up by Ray Nano Science & Research Centre. Moreover, fertilizer companies have informed that they have decided to set up 6 more Nano Urea plants in the country.
