

GOVERNMENT OF INDIA
MINISTRY OF AGRICULTURE AND FARMERS WELFARE
DEPARTMENT OF AGRICULTURE AND FARMERS WELFARE

LOK SABHA
UNSTARRED QUESTION NO. 2578
TO BE ANSWERED ON THE 19TH DECEMBER, 2023

NANO UREA PLANT

2578. SHRI RAJENDRA AGRAWAL:
SHRI. SRIDHAR KOTAGIRI:
SHRI.GYANESHWAR PATIL
SHRI.GHANSHYAM SINGH LODHI

Will the Minister of AGRICULTURE AND FARMERS WELFARE be pleased to state:

- (a) the details of operational Nano Urea (Liquid) Plants which are currently in existence in the country following the inauguration of the worlds first plant in 2022; and
- (b) the advantages that these technological innovations offer to farmers and the agricultural sector in the country?

ANSWER

MINISTER OF AGRICULTURE AND FARMERS WELFARE

(SHRI ARJUN MUNDA)

- (a) IFFCO has set up three Nano Urea plants at Kalol (Gujarat) Phulpur (Uttar Pradesh) and Aonla (Uttar Pradesh) with total production capacity of 17 crore bottles (500 ml) per annum. Further, Ray Nano Science & Research Centre has also declared commercial production of its Nano Urea plant at Anand, Gujarat, having capacity of 4.5 crore bottles per annum.
- (b) ICAR research institutes/state agricultural Universities carried out nano urea trial on different crops such as Paddy, Wheat, Mustard, Maize, Tomato, Cabbage, Cucumber, Capsicum and Onion in different agro-climatic zones.

The study on effect of nano urea (liquid) on crop yield and soil indicated that nano-urea can be used as foliar spray for top-dressing instead of normal urea. Foliar application of nano urea along with basal application of recommended dose of urea has yield advantage of 3-8% over conventional fertilizer application.