

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

RAJYA SABHA
UNSTARRED QUESTION NO. 827
TO BE ANSWERED ON THE 9/02/2024

BENEFITS OF NANO UREA (LIQUID) TO FARMERS

827. SHRI DEEPAK PRAKSH:

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

the benefits accrued to farmers and agricultural sector from the Nano Urea (Liquid) plants and related policy innovations in the country at present?

ANSWER

MINISTER OF AGRICULTURE AND FARMERS WELFARE

(SHRI ARJUN MUNDA)

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, Government of India (GOI) 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.

Further, GOI has notified other innovative products namely Nano DAP and Nano Phosphorus.
