

GOVERNMENT OF INDIA  
MINISTRY OF CHEMICALS AND FERTILIZERS  
DEPARTMENT OF FERTILIZERS

LOK SABHA

UNSTARRED QUESTION NO. 3415 TO BE ANSWERED ON: 05.08.2022

Liquid Urea

3415: SHRIMATI SAJDA AHMED:

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

- (a) whether the Government is producing/proposes to produce liquid urea, if so, the details thereof;
- (b) whether the efficiency of liquid urea over the conventional urea has been assessed ;
- (c) if so, the details thereof;
- (d) whether such other fertilizer(s) have been considered for production in liquid form; and
- (e) if so, the details thereof and the steps taken by the Government to provide DAP at a reasonable rate to the farmers?

ANSWER

MINISTER OF STATE FOR CHEMICALS AND FERTILIZERS

(SHRI BHAGWANTH KHUBA)

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(a): No, Sir.

(b)& (c): No such information is available with this department.

(d) & (e): The Government of India has recently notified the specifications of Nano nitrogen under Fertilizer Control Order, 1985. Nano Fertilizers hold great promise for application in plant nourishment because of the size-dependent qualities, high surface-volume ratio and unique optical properties. Nano fertilizer releases plant nutrients in a controlled manner contributing to higher nutrient use efficiency. ICAR has developed nano zinc oxide and nano rock phosphate as a source of Zinc and phosphorus to plants respectively.

Nano Nitrogen (Nano Urea developed by IFFCO) has been provisionally included in FCO 1985 based on the preliminary experiment trials undertaken during Rabi/Zaid 2019-20 in several ICAL research institutes/state agricultural universities on different crops like paddy, wheat, mustard, Maize, Tomato, Cabbage, Cucumber, Capsicum, Onion etc. Nano-urea spray on different crop gave comparable yields to those obtained under fully recommended doses of fertilizers with saving on top dressed nitrogen.

Further, in the wake of increasing international prices of finished P&K fertilizers as well as its raw materials including DAP, Government has absorbed the increase in prices by increasing the subsidy rates of DAP and other P&K fertilizers under the Nutrient Based Subsidy (NBS) scheme so that they are available at affordable rates to farmers and saved from price volatility.

The increase in the subsidy rates of DAP under NBS during 3 years are as under:-

<b>2020-21 (applicable till 19.5.2021)</b>	<b>2021-22 (20.5.2021 to 30.9.2021)</b>	<b>2021-22 (1.10.2021 to 31.3.2022)</b>	<b>Kharif 2022</b>
Rs 10231/MT	Rs 24231/MT	Rs 33000/MT	Rs 50013/MT

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