

GOVERNMENT OF INDIA  
MINISTRY OF CHEMICALS AND FERTILIZERS  
DEPARTMENT OF FERTILIZERS

**LOK SABHA**

**UNSTARRED QUESTION NO. 4347 TO BE ANSWERED ON: 20.12.2024**

**Production Capacity of Nano Urea**

**4347:** SHRI DHAIRYASHEEL SAMBHAJIRAO MANE:  
SHRI SUDHEER GUPTA:

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

- (a) whether the Government has notified the Nano Urea in the Fertilizer (Control) Order, 1985 and if so, the details thereof;
- (b) whether the Government has made any assessment regarding the efficacy of nano urea and if so, the details thereof;
- © the details of production capacity along with the demand of the Nano Urea fertilizer in the country at present, State-wise; and
- (d) whether the Government proposed to further increase the production capacity of the said fertilizer and if so, the details thereof?

**ANSWER**

THE MINISTER OF STATE IN THE MINISTRY OF CHEMICALS & FERTILIZERS  
**(SMT. ANUPRIYA PATEL)**

---

(a) & (b): 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 alongwith 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.

(c): As on date, 6 nano urea plants have been commissioned. The details of the same are as under:-

<b>S. No.</b>	<b>Location</b>	<b>Capacity Addition in Crore Bottles of 500 ml. each.</b>	<b>Start of Production</b>
1	IFFCO Kalol Gujarat	5.0	August 2021
2	IFFCO Phulpur	6.0	January 2023
3	IFFCO Aonla	6.0	January 2023
4	Ray Nano Science & Research Centre	4.50	December 2023
5	Meghmani Crop Nutrition Ltd	5	February 2024
6	Zuari Farm Hub Ltd Bathinda	0.12	June, 2024
7	CIL, Kakinada	0.60	September 2024
<b>Total</b>		<b>27.22 Crore Bottles Per Year</b>	

In addition to this, the details of the demand of Nano Urea Fertilizer in the country at present is placed at **Annexure**.

(d): Department of Fertilizers is encouraging Fertilizer Companies to set up Nano Urea plants with a view to increase the production of Nano Urea in the country.

\*\*\*\*\*

**Annexure**

**Annexure referred to in reply part (c) of Lok Sabha un-starred question No.  
4347 for answering on 20.12.2024**

Sl. No.	ASSESSED REQUIREMENT OF FERTILISERS FOR RABI 2024-25	
	State/Union	
	Territory	Nano Urea (Number of bottles in Lakh)
1	ANDHRA PRADESH	8.68
2	TELANGANA	3.47
3	KARNATKA	17.35
4	KERALA	0.23
5	TAMILNADU	12.49
6	PUDUCHERRY	0.02
7	ANDAMAN & NICOBAR	0
8	GUJARAT	0
9	MADHYA PRADESH	12.54
10	CHHATTISGARH	6.94
11	MAHARASHTRA	34.7
12	RAJASTHAN	15.01
13	GOA	0.01
14	DAMAN & DIU	0
15	DADAR&NAGAR HAV	0
16	HARYANA	17.35
17	PUNJAB	20.82
18	UTTAR PRADESH	43.38
19	UTTRAKHAND	2.6
20	HIMACHAL PRADESH	1.74
21	JAMMU & KASHMIR	0.87
22	DELHI	0.03
23	CHANDIGARH	0
24	BIHAR	8.68
25	JHARKHAND	4.34
26	ODISHA	9.37
27	WEST BENGAL	5.21
28	ASSAM	9.2
29	TRIPURA	0.14
30	MANIPUR	0
31	MEGHALAYA	0
32	NAGALAND	0
33	ARUNACHAL PRADESH	0
34	MIZORAM	0.87
35	SIKKIM	0
	<b>ALL INDIA Rabi 24-25</b>	<b>236</b>

