

GOVERNMENT OF INDIA
MINISTRY OF CHEMICALS AND FERTILIZERS
DEPARTMENT OF FERTILIZERS

RAJYA SABHA

UNSTARRED QUESTION NO. 1620 TO BE ANSWERED ON: 06.08.2024

USE OF NANO DAP

1620: SHRI BABUBHAI JESANGBHAI DESAI:

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

- (a) whether Government has any data on the use of nanotechnology in fertilisers that potentially reduces dependency on conventional Diammonium Phosphate (DAP), if so, the details thereof and if not, the reasons therefor; and
- (b) the specific benefits on crop yield, seed vigour, chlorophyll content, photosynthesis efficiency and quantity of harvested produce from the use of nano DAP through seed treatment and foliar application?

ANSWER

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

(a) & (b): The Government of India has notified Nano DAP under the Fertilizer Control Order (FCO) – 1985 on the basis of the bio efficacy trials and toxicology tests. M/s Coromandel International Limited (CIL), M/s Zuari Farm Hub Limited and M/s Indian Farmers Fertiliser Cooperative Limited (IFFCO) have been granted permission to manufacture Nano DAP.

Indian Council of Agricultural Research (ICAR) has informed that IFFCO and CIL have developed Nano DAP and have conducted preliminary field trials on selected crops in selected ICAR Institutes/State Agriculture Universities. The report indicated that with the use of Nano DAP as seed treatment and foliar application, there is a possibility of saving of granular DAP conventionally applied.
