

GOVERNMENT OF INDIA
MINISTRY OF CHEMICALS AND FERTILIZERS
DEPARTMENT OF FERTILIZERS

RAJYA SABHA

UNSTARRED QUESTION NO. 1782 TO BE ANSWERED ON: 16.12.2025

Balanced use of fertilizers

1782. Shri Sant Balbir Singh:

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

- (a) the schemes or awareness campaigns launched to educate farmers on the balanced use of fertilizers, including organic and bio-fertilizers;
- (b) the manner in which Government is ensuring last-mile delivery and availability of fertilizers in remote and rural areas; and
- (c) whether there are any incentives or subsidy programs being provided to encourage the use of micronutrients and customized fertilizers?

ANSWER

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

(a) The Government has taken several initiatives for the promotion of Bio & organic fertilisers in the country, which are as follows:

A. ICAR promotes use of organic fertilizers viz. Farm Yard Manure (FYM), compost, vermicompost, green manure, oil / concentrated cakes, biofertilizers, biogas wastes etc., in agriculture through demonstrations, public campaign, training and media. To promote biofertilizer use, the ICAR has developed improved and efficient strains of biofertilizers specific to different crops and soil types in liquid and powdered form. Biofertilizers for Phosphorus solubilization, Nitrogen fixation, Potassium and Zinc solubilization and faster composting of organic wastes suitable for different crops across the country are being developed and commercialized. ICAR and in collaboration with State Agriculture Universities (SAUs) are developing micronutrient formulations, micronutrient enriched compost and bio-fertilizer technologies, along with field-level demonstrations through KVKs to improve farmer adoption.

B. National Centre for Organic and Natural Farming (NCONF) with mandate to promote chemical free farming including organic and natural farming promotes the use of Bio-inputs among farmers in different ways as follows:

- i. Organizing HRD Trainings for various stakeholders to promote organic & natural farming including certification system.
- ii. Formulating standards and certification Systems and implementation of PGS-India certification system (organic and natural).

- iii. Compilation and Publication of Farmer practices and scientific validations including Training Literature (OF, NF and Certification).
- iv. IEC activities (organizing/participating in National/ International Exhibitions/ Trade Fairs, Seminars.
- v. Quality Control as per FCO 1985, including formulation/validation of standards and procedures

C. Paramparagat Krishi Vikas Yojana (PKVY) aims at supporting and promoting organic farming, in turn resulting in improvement of soil health. The scheme promotes Participatory Guarantee System (PGS- India) of organic certification which is built on principles of mutual trust, transparency, locally relevant and mandates the involvement of producers and consumers in the process of certification. PGS – India operates outside the framework of “Third Party Certification”. PKVY scheme provide financial assistance is to farmers for adopting organic farming practices, including the use of biofertilizers and organic inputs, certification and marketing the organic produce.

D. Under Bhartiya Prakritik Krishi Padhati (BPKP) an umbrella scheme of Paramparagat Krishi VikasYojna (PKVY) promotes traditional indigenous practices which gives freedom to farmers from externally purchased inputs and is largely based on on-farm biomass recycling with major stress on biomass mulching, use of cow dung-urine formulations and plant based preparations in exclusion of all synthetic chemical inputs directly or indirectly. The scheme aims to improve farmer's profitability, availability of quality food and restoration of soil fertility and farmland ecosystem as well as generate employment and contribute to rural development.

E. Under Mission Organic Value Chain Development for North Eastern Region (MOVCDNER), a Central Sector Scheme, a sub-mission under National Mission for Sustainable Agriculture (NMSA), for implementation in the states of Arunachal Pradesh, Assam, Manipur, Meghalaya, Mizoram, Nagaland, Sikkim and Tripura, during the 12th plan period. Development of certified organic production in a value chain mode to link growers with consumers, support the development of entire value chain starting from inputs, seeds, certification, to the creation of facilities for collection, aggregation, processing, marketing and brand building initiative is undertaken.

F. Further, for promotion of Fermented Organic Manure (FOM)/Liquid Fermented Organic Manure (LFOM) and organic fertilizer, viz., Phosphate Rich Organic Manure (PROM) produced at Compressed Biogas (CBG) plants, following measures are being taken:

- i. Collaboration of 125 Krishi Vigyan Kendras (KVKs) with nearby CBG plants to ensure farmers' access to information about FOM/LFOM and to facilitate the availability of FOM for awareness and demonstration activities.
- ii. HURL and RCF entrusted to attach Agriculture Extension Officers with CBG/BG Plants to facilitate them with promotion of FOM/LFOM/PROM and to resolve issues.
- iii. Conduct of farmer trainings, demonstrations, and awareness programs on the benefits and application methods of organic fertilizers.

- iv. Availability and supply of organic & waste-derived fertilizers through marketing channels and dealer networks.
- v. Capacity building facilitated by providing technical guidance to farmers for adopting sustainable nutrient practices.

In addition, Kisan Sangoshthis are conducted by the fertilizer companies for extensive field interaction with farmers, local farmer cooperatives, panchayats etc. 25 Fertilizer Marketing Companies (FMCs) conducted 11,587 Camps/Kisan Sangoshthis across the Country during February 2025 to November 2025. For promotion of FOM/LFOM/PROM under PM-PRANAM by the Fertilizer companies. This initiative focuses on critical areas such as balanced use of fertilizers, integrated nutrient management (INM), promotion of organic farming, and soil health improvement. Awareness activities for farmers include demonstrations on the application of FOM, LFOM, PROM, Potash Derived from Molasses (PDM). This camps also feature technical sessions on appropriate fertilizer dosages, crop-specific application techniques, and the benefits of organic inputs. The program aims to enhance farmers understanding of INM, encourage adoption of balanced nutrient practices, and strengthen outreach and credibility through demonstration plots and interactive farmer engagement. The Government is regularly coordinating with State and Union Territory Governments to support and promote their efforts under this scheme.

(b) Government has taken following steps in every season for ensuring timely and adequate availability of fertilizers in the country, including in remote and rural areas:

- i. Before the commencement of each cropping season, Department of Agriculture and Farmers Welfare (DA&FW), in consultation with all the State Governments, assesses the State-wise & month-wise requirement of fertilizers.
- ii. On the basis of requirement projected by DA&FW, D/o Fertilizers allocates adequate quantities of fertilizers to States by issuing monthly supply plan and continuously monitors the availability.
- iii. The movement of all major subsidized fertilizers is monitored throughout the country by an on-line web-based monitoring system called integrated Fertilizer Management System (iFMS).
- iv. The State Governments are regularly advised to coordinate with manufacturers and importers for streamlining the supplies through timely placement of indents.
- v. The distribution of fertilizers within the State at district level is done by the concerned State government.

(c) Under Nutrient Based Subsidy (NBS) Scheme for Phosphatic and Potassic (P&K) fertilizers, an additional subsidy of Rs. 500/MT and Rs. 300/MT is being provided for fortification of any notified P&K fertilizers with Zinc & Boron micro-nutrient respectively. Under NBS, the manufacturers of customised fertilizers are eligible to source subsidised fertilizers.

