

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

LOK SABHA
UNSTARRED QUESTION NO. 3233
TO BE ANSWERED ON THE 21ST MARCH, 2023

**EFFECTS OF CHEMICAL AND ORGANIC FERTILIZERS ON AGRICULTURAL
PRODUCTION**

3233. MS. DEBASREE CHAUDHURI:

Will the Minister of AGRICULTURE AND FARMERS WELFARE कृषि और किसान कल्याण मंत्री be pleased to state:

(a) whether the Government has undertaken any study regarding effects of chemical and organic fertilizers on agricultural production and if so, the details thereof;

(b) whether the Government proposes to set up sale and distribution centres for organic fertilizers on the lines of sale and distribution centres set up for chemical fertilizers and if so, the details thereof; and

(c) whether the Government has chalked out any scheme to promote use of organic fertilizers, vermicompost and D-compost and if so, the details thereof?

ANSWER

THE MINISTER OF AGRICULTURE AND FARMERS WELFARE

कृषि और किसान कल्याण मंत्री (SHRI NARENDRA SINGH TOMAR)

(a): Yes. ICAR has undertaken studies regarding effects of chemicals and organic fertilizers on agricultural production. All India Coordinated Research Project (AICRP) on Long term Fertilizer Experiments (LTFEs) was established in 17 different centres of the country to assess the impact of long term fertiliser use and manuring (imbalance, balance and integrated nutrient management) on soil quality, crop productivity and sustainability. Similarly, the All India Network Programme on Organic Farming (AINP-OF) with 20 cooperating centres covering 16 States was established to develop package of practices for organic production of crops in cropping and farming systems perspective.

(b): The Government of India vide notification dated 24th August, 2022 has decided to convert the existing village, block/sub district/ taluk and district level fertilizer retail shops

into Model Fertilizer Retail Shops, namely Pradhan Mantri Kisan Samridhi Kendra (PMKSK). These PMKSKs act as a one-stop –shop for farmers for multiple products such as seeds, fertilizers, pesticides etc and also avail multiple services related to agriculture sector like fertilizer/seed/soil testing, drones & other farm equipments under one single roof. It includes selling of water soluble, alternative bio and organic fertilizers also.

(c): Government is implementing dedicated schemes for promotion of organic farming in the country viz. Paramparagat Krishi Vikas Yojana (PKVY) and Mission Organic Value Chain Development for North Eastern Region (MOVCDNER) since 2015-16. Under these schemes, farmers are primarily encouraged to take up organic cultivation using organic inputs including organic fertilizers and the schemes provide end to end support to farmers i.e. from production to marketing of organic produce. Hands-on training to farmers about on-farm production of organic fertilizers and its use are integral part of these schemes. Farmers are provided financial assistance of Rs 31,000/ha/3 years under PKVY and Rs 32,500/ha/3 years under MOVCDNER for various organic inputs.

ICAR imparts training, organises Front Line Demonstrations (FLDs) to educate farmers on soil test based balanced and integrated nutrient management through conjunctive use of both inorganic and organic sources (FYM, compost, biofertilizers etc.) of plant nutrients.
