

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

LOK SABHA
UNSTARRED QUESTION NO. 858

TO BE ANSWERED ON THE 7THFEBRUARY, 2023

EFFECTS OF ORGANIC AND NANO-FERTILISERS

858. SHRI PARTHIBAN S.R.:

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

(a) whether the Government agrees with the view that using organic and nano-fertilizers instead of fertilizers will reduce the cost and improve soil health;

(b) if so, the steps taken or proposed to be taken by the Government to promote organic and nano-fertilizers; and

(c) if not, the reasons therefor?

ANSWER

THE MINISTER OF AGRICULTURE AND FARMERS WELFARE

कृषि और किसान कल्याण मंत्री (SHRI NARENDRA SINGH TOMAR)

(a) to (c): Organic fertilizers are eco-friendly and not only provide nutrients to reduce use of costly chemical fertilizers but also improve soil physical & biological health vis-à-vis crop productivity. Nano-fertilizers hold great promise for application in plant nourishment because of the size-dependent qualities and high surface-volume ratio with possibility of higher nutrient use efficiency reducing the use of costly chemical fertilizers.

In order to promote organic and Nano fertilisers, Indian Council of Agricultural Research (ICAR) suggests soil test based balanced and integrated nutrient management through conjunctive use of both type of fertilizers alongwith inorganic fertilizers. ICAR has developed technology to prepare various types of organic manures such as phosphocompost, vermi compost, bio-enriched compost, municipal solid waste compost, etc. from various organic wastes. Besides the Council has also developed improved and efficient strains of biofertilizers specific to different crops and soil types under Network project on **Soil Biodiversity-Biofertilizers**. Liquid Biofertilizer technology with higher shelf-life has also been developed. The Council has also developed nano rock phosphate and nano zinc oxide as a source of P and Zn respectively to plants.

The ICAR also imparts training, organises Front Line Demonstrations (FLDs) etc. to educate farmers on all these aspects.

Under Paramparagt Krishi Vikash Yojana (PKVY), farmers are provided financial assistance of Rs 31,000 /ha for 3 years through DBT for on-farm and off-farm organic inputs including bio-fertilizer. under Mission Organic Value Chain Development for North Eastern Region (MOVCDNER), financial assistance @ Rs 32,500/ ha for 3 years is provided to farmers for off-farm/ on-farm organic inputs including bio-fertilizers.
