

GOVERNMENT OF INDIA  
MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE

**LOK SABHA**  
**UNSTARRED QUESTION NO. 54**  
TO BE ANSWERED ON 21.06.2019

**Mitigation of Greenhouse Effects**

54. SHRI NALIN KUMAR KATEEL:

Will the Minister of ENVIRONMENT, FOREST AND CLIMATE CHANGE be pleased to state:

- (a) whether it is a fact that organic agriculture contributes to mitigating the greenhouse effect and global warming through its ability to sequester carbon in the soil;
- (b) if so, the details thereof;
- (c) whether a number of studies have revealed that soil organic carbon contents under organic farming are considerably higher and if so, the details thereof;
- (d) whether the Government has taken any measures to work in collaboration with other ministries to mitigate the greenhouse effect and global warming; and
- (e) if so, the details thereof ?

**ANSWER**

**MINISTER FOR ENVIRONMENT, FOREST AND CLIMATE CHANGE**  
**(SHRI PRAKASH JAVADEKAR)**

- (a) to (c) The government has launched the schemes of Paramparagat Krishi Vikas Yojana (PKVY) under National Mission for Sustainable Agriculture (NMSA) and Mission Organic Value Chain Development for North Eastern Region (MOVCDNER) to promote organic farming to ensure long term soil fertility buildup, resource conservation and help in climate change adaptation and mitigation. The National Horticulture Mission was launched in 2005-06 as centrally sponsored scheme to promote holistic growth of the horticulture sector through area-based regionally differentiated strategies. The quantum of carbon sequestered due to this mission is estimated to be 137.72 MtCO<sub>2</sub> from 2010 to 2016 (India's Biennial Update Report submitted to United Nations Framework Convention on Climate Change {UNFCCC}).
- (d) and (e) In order to mitigate the greenhouse effect and global warming, Government of India is implementing the National Action Plan on Climate Change (NAPCC) which comprises eight National Missions being implemented by different ministries in specific areas of Solar Energy, Enhanced Energy Efficiency Energy Efficiency, Sustainable Habitat, Water, Sustaining the Himalayan Ecosystem, Green India, Sustainable Agriculture and Strategic knowledge for Climate Change.

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