

**GOVERNMENT OF INDIA
ENVIRONMENT AND FORESTS
LOK SABHA**

UNSTARRED QUESTION NO:3825
ANSWERED ON:17.12.2012
GLOBAL WARMING
Singh Shri Bhola

Will the Minister of ENVIRONMENT AND FORESTS be pleased to state:

- (a) whether the excessive use of chemical fertilizers and pesticides is the main cause of global warming;
- (b) if so, the details thereof; and
- (c) the action taken by the Government in this regard?

Answer

MINISTER OF STATE (INDEPENDENT CHARGE) FOR ENVIRONMENT AND FORESTS (SHRIMATI JAYANTHI NATARAJAN)

(a) and (b) Chemical fertilizers and pesticides which produce Nitrous Oxide (N₂O), a Greenhouse Gas (GHG), are not the main cause of Global Warming. The use of synthetic fertilizers is one among the many sources of N₂O emissions. As per the fourth Assessment Report (AR-4) of Intergovernmental Panel of Climate Change (IPCC) published in 2007, N₂O concentration is 7.9% of the total global emissions of GHG. India's emission of N₂O is 0.24 million tons from all sources including agriculture, out of the total 1727.71 million tons of carbon dioxide equivalent.

(c) National Action Plan on Climate Change includes a specific Mission on Sustainable Agriculture which, inter alia, includes actions for promoting efficiency in water and fertiliser use. Government of India is also implementing various Centrally Sponsored Schemes/ Programmes in this regard, namely; National Project on Organic Farming (NPOF), National Project on Management of Soil Health & Fertility (NPMSH&F), National Food Security Mission (NFSM), Rashtriya Krishi Vikas Yojana (RKVY) and Macro Management of Agriculture (MMA).