

**GOVERNMENT OF INDIA
AGRICULTURE
LOK SABHA**

UNSTARRED QUESTION NO:1915
ANSWERED ON:09.03.2010
EFFECT OF GLOBAL WARMING ON AGRICULTURE
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Will the Minister of AGRICULTURE be pleased to state:

- (a) whether agricultural production in the country is being adversely affected as a result of the global warming;
- (b) if so, the decline registered in the production of rice, wheat, sugarcane and oilseeds and other crops etc. during the last three years, crop-wise and State-wise;
- (c) whether the Government proposes to conduct a study on the effect of the growing global temperature on agricultural production of the country;
- (d) if so, the details thereof; and
- (e) if not, the reasons therefor?

Answer

MINISTER OF STATE IN THE MINISTRY OF AGRICULTURE AND MINISTER OF STATE IN THE MINISTRY OF CONSUMER AFFAIRS, FOOD AND PUBLIC DISTRIBUTION (PROF. K.V. THOMAS)

(a)to(e): Systematic studies on climate change as a result of the global warming and its impact on the agricultural production in the country are relatively few and of recent origin. The Indian Council for Agricultural Research (ICAR), Ministry of Agriculture has a "National Network Project on Climate (NNPCC)" launched during X Five Year Plan with the objective to study the impact of climate change on agriculture sector including livestock, fisheries, horticulture and forestry at different locations spread across the country.

Assessment of climate change and its impact on Indian agriculture is an on-going process and NNPCC is continuing in the present Plan period also. Though there are no definite and conclusive evidence of the impact of climate change on agricultural productivity, studies conducted under NNPCC indicate that changes in precipitation pattern may effect agricultural production in future. Assessment conducted by ICAR on the impact of climate change on Indian agriculture is annexed.