

**GOVERNMENT OF INDIA
AGRICULTURE
LOK SABHA**

UNSTARRED QUESTION NO:75
ANSWERED ON:13.03.2012
IMPACT OF CLIMATE CHANGE ON AGRICULTURE
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Will the Minister of AGRICULTURE be pleased to state:

- (a) whether the global warming/climate change has adversely affected agricultural production in the country;
- (b) if so, the decline registered in production of rice, wheat, sugarcane and oilseeds, crops during each of the last three years, State-wise and production-wise;
- (c) whether the Government proposes to conduct any study in regard to decline in agricultural production due to global warming/climate change; and
- (d) if not, the reasons therefor?

Answer

THE MINISTER OF STATE IN THE MINISTRY OF AGRICULTURE, FOOD PROCESSING INDUSTRIES AND PARLIAMENTARY AFFAIRS (SHRI HARISH RAWAT)

- (a) While the impact of climate change on agricultural production has been demonstrated at the times of extreme weather events, due to a favourable monsoon during the last three years, agricultural production in the country is steadily increasing.
- (b) The national production of rice, wheat, sugarcane and oilseeds during 2011-12 is estimated at 102.8, 88.3, 347.9 and 30.5 million tonnes, respectively. However, the oilseeds production has slightly declined due to less area under the crops during 2011-12.
- (c) & (d): To enhance resilience of Indian Agriculture against climate change, a new scheme 'National Initiative on Climate Resilient Agriculture (NICRA) with an outlay of Rs. 350 crores for the period 2010-12 has been launched by the Government. This scheme is likely to be continued in the XII plan. The scheme aims at evolving cost-effective adaptation and mitigation strategies against climate change through (i) strategic research on natural resources major food crops, livestock, marine and fresh water fisheries for adaptation and mitigation; (ii) demonstration of available climate resilient practices on farmers' fields in 100 most vulnerable districts of the country (iii) strengthen research infrastructure and capacity building of scientists for undertaking long term research on climate change adaptation; and (iv) sponsored research.