

**GOVERNMENT OF INDIA
AGRICULTURE
LOK SABHA**

UNSTARRED QUESTION NO:3883
ANSWERED ON:21.04.2008
IMPACT OF CLIMATE CHANGE
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Will the Minister of AGRICULTURE be pleased to state:

- (a) whether scientists of National Agricultural Research Institute revealed that due to climate change, the productivity of wheat and other cereals in North-West region of India has been less;
- (b) if so, the details thereof;
- (c) whether the Institute has also recommended to change the timings of sowing of seeds to mitigate the effects of climate change; and
- (d) if so, the details in this regard?

Answer

THE MINISTER OF STATE IN THE MINISTRY OF AGRICULTURE (SHRI KANTILAL BHURIA)

- (a) Research studies have shown that climate change in future may reduce the productivity of wheat and other cereals in North-west region of India.
- (b) Studies based on simulation models have indicated that in future due to increasing temperatures and possible reduction in availability of irrigation associated with global climate change could cause considerable loss of wheat yields in North Western India.
- (c) & (d): The Institute has not recommended change in the time of sowing of wheat at present due to climate change. However, research indicates that changing the time of planting is an important adaptation strategy in future and could be utilized to reduce the negative effects of climate change.