

**GOVERNMENT OF INDIA
AGRICULTURE
LOK SABHA**

UNSTARRED QUESTION NO:117

ANSWERED ON:22.11.2011

IMPACT OF CLIMATE CHANGE ON CROP YIELD

Rai Shri Prem Das

Will the Minister of AGRICULTURE be pleased to state:

- (a.) whether any assessment has been made on the drastic downfall in crop yield due to climatic change in the North Eastern States;
- (b) if so, the outcome thereof during each of the last three years and the current year, State-wise and crop-wise; and
- (c) the remedial measures taken by the Government to help farmers in view of the changing climatic condition in the said region?

Answer

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

(a) & (b): Yes, Madam. Systematic studies on climate change and its impact on various sectors of agriculture including crop yield are relatively few and of recent origin. Government of India, Ministry of Agriculture has launched a 'National Network Project on Climate Change (NNPCC)' during X Five Year Plan with the objective to study impact of climate change on agriculture sector including livestock, fisheries, horticulture and forestry at different locations across the country including North Eastern States. Assessment of climate change and its impact on agriculture is an on-going process and there are no definite and conclusive evidence of its impact on agricultural productivity. However, studies conducted under NNPCC reveals that climate change may impact agriculture production in future. Region-wise and Crop-wise major findings of NNPCC are annexed.

(c): With a view to enhance agricultural productivity, sustaining foodgrain production and to address various issues relating to climate change adaptation and mitigation in agriculture and food sectors, Government of India, Ministry of Agriculture has intensified the implementation of various programmes/schemes, namely; Macro Management of Agriculture (MMA), National Food Security Mission (NFSM), National Horticulture Mission (NHM), Rashtriya Krishi Vikas Yojana (RKVY), National Mission on Micro Irrigation (NMMI), etc.