

**GOVERNMENT OF INDIA
AGRICULTURE
LOK SABHA**

UNSTARRED QUESTION NO:179

ANSWERED ON:13.03.2012

RESEARCH ON RICE

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Will the Minister of AGRICULTURE be pleased to state:

- (a) whether a research on rice has been conducted to combat climate change and the scientists have been asked to prepare a document in this regard;
- (b) if so, the details thereof;
- (c) whether the said research has been conducted in many parts of the country; and
- (d) if so, the outcome thereof?

Answer

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

(a) & (b): Yes, Madam. Directorate of Rice Research (DRR), Hyderabad; Central Rice Research Institute (CRRI), Cuttack and all the State Agricultural University based Centres under All India Coordinated Research Project (AICRP) on rice have focused research programmes to address various issues in rice production including one that might arise due to climate change. In addition to these ongoing programmes, Indian Council of Agricultural Research (ICAR) started another programme "National Initiative on Climate Resilient Agriculture (NICRA)", of which rice is one of the component crops, where following aspects related to climate change are being studied:

1. Modeling studies to assess the climate change impact on yields.
2. Screening varieties and improving management practices for developing adaptation strategies.
3. Agronomic practices to reduced green house gas emissions.

The information is published in Institutes' annual reports. However, a comprehensive document shall be available after completion of NICRA research, in progress.

(c) & (d): Yes, Madam. 20 Institutes and 100 Krishi Vigyan Kendras (KVKs) located in different parts of the country are involved in this initiative. CRRI, Cuttack has identified several stress tolerant varieties such as Swarn-Sub1 for submergence; Sahabhagi Dhan, Satyabhama, Vandana, Anjali and Pyari for drought; Luna Sampad, Luna Suvarna, Sonamani, Luna Burial and Luna Sanki for salinity tolerance and CR Dhan 601, Chandan, Chandrama and Satabdi for cold tolerance.