

**GOVERNMENT OF INDIA
AGRICULTURE
LOK SABHA**

UNSTARRED QUESTION NO:4671
ANSWERED ON:12.08.2014
NEW VARIETY OF GENOME
Jadhav Shri Sanjay Haribhau

Will the Minister of AGRICULTURE be pleased to state:

- (a) whether a new variety of genome has been discovered by the Indian agricultural scientists in order to arrest the decline in production of wheat on account of less rainfall and sudden impact of temperature;
- (b) if so, the details thereof; and
- (c) whether research to this effect has been made in various institutes of the country and if so, the time by which such variety of wheat is likely to be ready?

Answer

MINISTER OF STATE FOR AGRICULTURE & FOOD PROCESSING INDUSTRIES (DR. SANJEEV KUMAR BALYAN)

(a) to (c): Yes, Madam. Indian scientists of National Research Centre on Plant Biotechnology, New Delhi; Punjab Agricultural University, Ludhiana and Delhi University South Campus, as part of an International group have decoded the genome sequence of wheat. So far, 1,25,000 genes have been identified in this genome. Many of these genes will help in improving complex traits like yield and heat tolerance. The information thus generated on identification of genes for important traits in wheat is being utilized to develop varieties tolerant to drought and heat.