

**GOVERNMENT OF INDIA  
MINISTRY OF SCIENCE & TECHNOLOGY  
DEPARTMENT OF BIOTECHNOLOGY**

**LOK SABHA  
UNSTARRED QUESTION NO. 2749  
TO BE ANSWERED ON 03/01/2018**

**WORK DONE IN THE AGRICULTURAL RELATED PROBLEM**

2749. SHRI UDAY PRATAP SINGH :

Will the Minister of SCIENCE AND TECHNOLOGY be pleased to state:

- (a) the details of work done by the scientists for the resolution of agriculture related technical problems of farmers of the country during the last three years and the current year;
- (b) whether the Government is contemplating / has proposed for implementation of any scheme for scientific training and awareness of farmers from time to time; and
- (c) if so, the details thereof?

**ANSWER**

MINISTER OF STATE FOR SCIENCE & TECHNOLOGY AND EARTH SCIENCES  
(Y. S. Chowdary)

(a) Departments of Ministry of Agriculture and Farmers Welfare and Ministry of Science & Technology are associated with the agriculture research and development leading to improved varieties of crops, agriculture practices, livestock improvement, nutrition and health. During the last three years and current year, several climate resilient crop varieties / hybrids of field crops, improved varieties of horticulture crops along with crop management practices have been developed. In livestock sector, diagnostics and vaccines for important diseases of cattle, sheep and swine and poultry have been developed for use at farm level. Large number of farm equipment have also been developed for production by small and medium entrepreneurs in rural areas. New technologies like molecular breeding of crop and genomics have been employed to develop special varieties of rice and wheat with submergence tolerance, flooding and salt tolerance.

(b)&(c) Yes, Madam. Besides setting up of 44 new Krishi Vigyan Kendras (KVKs) by Indian Council of Agricultural Research large scale front line demonstration in farmers field have been conducted to train more than 50 lakhs farmers during the last three and half years. ICAR has also initiated new programmes including Mera Gaon- Mera Gaurav, Attracting and Retaining Youth in Agriculture (ARYA) and Farmers FIRST scheme for strong farmers-scientists linkages, capacity building, technology adaptation and application, on-site input management, feedback and institution building. Department of Biotechnology also launched Biotech KISAN Scheme for small and marginal farmers especially the women farmer for better agriculture productivity to scientific intervention and evolving best farm practices.

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