

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

**LOK SABHA
UNSTARRED QUESTION NO. 703
TO BE ANSWERED ON 07/02/2018**

Biotech Kisan and Cattle Genomics Scheme

703. DR. J. JAYAVARDHAN:
SHRI P. R. SUNDARAM:
SHRI SATAV RAJEEV:
SHRI DHANANJAY MAHADIK:
SHRI MOHITE PATIL VIJAYSINH SHANKARRAO:
DR. HEENA VIJAYKUMAR GAVIT:

Will the Minister of SCIENCE AND TECHNOLOGY

विज्ञान और प्रौद्योगिकी मंत्री

be pleased to state:

- (a) whether the Government is monitoring the development under the Biotech Kisan and Cattle Genomics scheme;
- (b) if so, the details with regard to the number of farmers educated and incorporated as part of the scheme, district and State-wise during the last three years;
- (c) the key achievements of the scheme since its inception; and
- (d) the details with regard to the funds allocated to the scheme, State-wise since the inception of the scheme?

ANSWER

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

विज्ञान और प्रौद्योगिकी तथा पृथ्वी विज्ञान राज्य मंत्री
(वाई. एस. चौधरी)

- (a) Yes Madam, the Department of Biotechnology (DBT) is monitoring the development under Biotech-Krishi Innovation Science Application Network (Biotech-KISAN) and Cattle Genomics schemes, which will benefit the farming communities.
- (b) and (c) The Biotech-KISAN scheme has been initiated by DBT during the current financial year (2017-18) with an overall aim to work with small and marginal farmers especially the woman farmers for better agriculture productivity through scientific intervention and evolving best farming practices by linking available science and technology to the farm by first

understanding the problem of the local farmer and provide solutions to those problems. During the year, a Biotech-KISAN Hub has been established in July, 2017 at Himalayan Environmental Studies and Conservation Organization (HESCO), Dehradun to cover the agro-climatic zone of Western Himalayan Region. Under this Biotech-KISAN Hub, three Sub-Hubs have also been established at Almora, Chakrata and Chamoli in Uttarakhand state. The district-wise details of farmers educated under the programme are as follows:

S. No.	District	State	Activities covered for Training-cum-Demonstration	No. of Farmers
1.	Dehradun	Uttarakhand	Protected Vegetable cultivation	14
			Bee keeping	15
			Value addition in Horticulture produce	18
			Biotechnological intervention in Agriculture	48
2.	Almora	Uttarakhand	Protected Vegetable cultivation	20
			Bee keeping	15
			Value addition in Horticulture produce	30
			Biotechnological intervention in Agriculture	44
3.	Chamoli	Uttarakhand	Protected Vegetable cultivation	12
			Bee keeping	20
			Value addition in Horticulture produce	16
			Biotechnological intervention in Agriculture	52
Total farmers:				304

The proposals for establishment of five more Biotech-KISAN Hubs in five agro-climatic zones viz. Central Plain Zone, Lower Gangetic Plains Region, Southern Plateau and Hills, Eastern Himalayan Region and East Coast Plains and Hills have also been developed by the Department.

The Cattle Genomics scheme has also been recently initiated by DBT in December, 2017 in which five indigenous cattle breeds have been identified for genome sequencing. The biological samples of these breeds are being collected from different farms.

(d) The state-wise allocation of funds has not been made to these two schemes. However the Biotech-KISAN Hub at HESCO, Dehradun has been funded at a total cost of ₹ 1.18 crores for a period of two years. The Cattle Genomics scheme has been funded at National Institute of Animal Biotechnology (NIAB), Hyderabad with the total cost of ₹ 16.49 crores for a period of two years.
