

GOVERNMENT OF INDIA
MINISTRY OF AGRICULTURE AND FARMERS WELFARE
DEPARTMENT OF AGRICULTURAL RESEARCH & EDUCATION

LOK SABHA
UNSTARRED QUESTION NO. 651
TO BE ANSWERED ON 19/12/2017

DAIRY RESEARCH TECHNOLOGY

651. DR. RAMESH POKHRIYAL "NISHANK":

Will the Minister of AGRICULTURE AND FARMERS WELFARE
कृषि एवं किसान कल्याण मंत्री be pleased to state:

- (a) the number of institutions working in the field of dairy research technology and education in the country;
- (b) the details of the steps taken by the Government to increase per cattle milk production in the country during the last five years and the impact of the same on per cattle milk production; and
- (c) the efforts made by the Government for marketing of cow milk in view of its nutritional value?

A N S W E R

MINISTER OF STATE IN THE MINISTRY OF AGRICULTURE AND FARMERS WELFARE
कृषि एवं किसान कल्याण मंत्रालय में राज्य मंत्री
(SHRI GAJENDRA SINGH SHEKHAWAT)

- (a) The list of the colleges is enclosed as **Annexure-I**.
- (b) Indian Council of Agricultural Research (ICAR) through ICAR-Central Institute for Research on Cattle is operating AICRP on Cattle which has the following research components:
 - (i) Frieswal Project: The institute in collaboration with Military Farms (Ministry of Defence) has developed crossbred strain "Frieswal" (Holstein Friesian X Sahiwal). The average milk yield of Frieswal cattle increased from 3231 kg to 3321 kg per lactation during the last five years.
 - (ii) Field Progeny Testing of Frieswal bulls: Semen of Frieswal bulls, obtained from elite cows mated to proven bulls, is used on farmers' cows at four different locations in the country. The first lactation 305 days milk yield of daughters produced under the programme increased from 3256 to 3743 kg (15%) at Guru Angad Dev Veterinary and Animal Science University, Ludhiana; 3025 to 3215 kg (6.3%) at Bhartiya Agro Industries Foundation, Pune and from 2281 to 2758 kg (21%) at Govind Ballabh Pant University of Agriculture and Technology, Pantnagar.

(iii) Indigenous breeds Improvement: Under this component field/farm progeny testing of three indigenous breeds i.e. Sahiwal, Gir and Kankrej for their improvement is being carried out in the respective breeding tracts in collaboration with State Agricultural / Veterinary Universities, Gaushalas and State AH farms. The first lactation 305 days milk yield of Gir cattle has increased from 1875 to 2699 kg, 1575 kg to 2050 kg in Kankrej cattle and 1670 kg to 2067 kg in Sahiwal cattle.

In order to complement and supplement the efforts made by the States to enhance milk production and productivity of bovines the Department of Animal Husbandry, Dairying and Fisheries, Government of India has taken following steps during last three years:

(i) National Programme for Bovine Breeding & Dairy Development (NPBBDD)- initiated in 2014-15 for genetic upgradation of bovine population through extension of AI coverage;

(ii) Rashtriya Gokul Mission (RGM)- initiated in December 2014 as a part of NPBBDD for conservation and development of indigenous bovine breeds;

(iii) National Mission on Bovine Productivity a new initiative initiated in November 2016 for increasing milk production and productivity of bovines through advanced reproductive technique, Pashu Sanjivni, establishment of National Bovine Genomic Centre for Indigenous Breeds and E Pashu Haat Portal.

(iv) National Dairy Plan - World Bank assisted programme implemented in major 18 dairy States. NDP envisages genetic upgradation of bovine population through increasing availability of high genetic merit disease free bulls and strengthening semen stations. NDP-I has focus on development and conservation of indigenous breeds and 12 indigenous cattle and buffalo breeds are covered under the programme.

(v) Establishment of two National Kamdhenu Breeding Centres as a center of excellence and repository of indigenous bovine breeds for genetic upgradation of indigenous breeds in a scientific and holistic manner.

(c) Marketing of milk and milk products of native cow breeds is being promoted under Rashtriya Gokul Mission Department of Animal Husbandry, Dairying and Fisheries, Government of India. Funds have been released to Odisha and Karnataka under the scheme for processing and marketing of indigenous cow milk.

List of Dairy Science/Dairy Science and Technology Colleges in the Country

Sl.No.	Name of the College
1.	Dairy Science College , NDRI, Karnal, Haryana
2.	SMC College of Dairy Science Anand, AAU, Anand, Gujarat.
3.	College of Dairy Science, Dantiwada GAU, Dantiwada, Gujarat
4.	Dairy Science College (Kamdhenu University, Amreli, Gujarat
5.	Mansinhbhai Institute of Dairy & Food Technology. Dudhsagar Dairy Campus, Post Box No. 1, Highway. Mehsana, Gujarat.
6.	College of Dairy Technology, Raipur, Krishak Nagar, IGKV, Raipur, Chhattisgarh.
7.	College of Dairy Science and Technology, GADVASU, Ludhiana, Punjab
8.	College Dairy Technology, Udgir , Under MAFSU, Maharashtra.
9.	The College of Dairy Technology CDT, Warud (Pusad) Distt. Yavatmal, MAFSU, Nagpur, Maharashtra.
10.	Dairy Technology Programme, Kama Reddy , Nizamabad Dist.,Tirupati Sri Venkateswara Veterinary University, Tirupati, Andhra Pradesh
11.	College of Dairy Technology, Kamareddy, Nizamabad District, Telangana
12.	Faculty of Dairy Technology, FDT, Mohanpur, West Bengal
13.	College of Dairy & Food Science Technology, Maharana Pratap University of Agriculture and Technology, Udaipur, Rajasthan.
14.	Sanjay Gandhi Institute of Dairy Technology, Jagdeopath, BVC Campus, Patna, Bihar.
15.	College of Dairy Science And Technology Kerala Veterinary and Animal Sciences University KELTRON Campus, Karakulam P.O, Thiruvananthapuram, Kerala.
16.	College of Dairy Science & Technology, Kolahalamedu Mannuthy, Thrissur, Kerala
17.	DSC, Chennai Institute of Food and Dairy Technology, Koduvalli, TANUVAS, Chennai
18.	Dean (Dairy Science) Dairy Science College, KVAFSU Regional Campus, Bellary Rd ,Hebbal, Bangalore, Karnataka.
19.	Dairy Science College Karnataka Veterinary Animal And Fisheries Sciences University Nandinagar, P.B.No. 6, Bidar, Karnataka.
20.	Sam Higginbottom Institute of Agriculture Technology and Sciences, NH-27, Mahewa East, Naini, Allahabad, UP.