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## Involvement of tribal farm women in animal husbandary practices for milch animals in Tapi district of south Gujarat

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Tomen play an important role in this sector. In India, women contribute 71 per cent of the total participation in livestock sector. Though agriculture as a whole and dairy in specific, the farm women play a vital responsibility. So, the present study was carried out specific objective to know the participation of farm women in feeding, breeding and management practices. The study was undertaken in Tapi district of Gujarat state in the year 2011. All the ten adopted villages of the Krishi Vigyan Kendra, Vyara were selected purposively for the study. From each village, 20 respondents were selected making total sample size 200. The structural interview schedule was prepared. The statistical measures namely frequency, percentage, mean were used. It could be concluded that the respondents were taking regular participation in activity of selection of type of the milch animals, taking participation in activity of Purchase of improved/cross breed animals on regular basis, taken participation in activities like bringing fodder, have daily participation in giving warm water to bath at calving, taking contribution in feeding colostrums to the calf, adopting veterinary aids like vaccination, have revealed their contribution in activities like watering at proper time to animals, have revealed their stack in activities of purchase of feed/fodder, selling of milk through cooperative society, cleaning milk vessels, have contribution in making milk products like curd.

#### **Biography**

Chetan Pandya has completed his M.Sc. (Extension Education) from College of Agriculture, Gujarat Agricultural University, Junagadh and Ph.D. from Navsari Agricultural University, Navsari. He is working as Subject Matter Specialist (Extension) in Krishi Vigyan Kendra, Navsari Agricultural University, Vyara, Dist. Tapi (Gujarat). He has published more than 15 papers in reputed journals and number of popular articles in News paper and magazines and wrote book on "Development of Socio-Economic Scale-Study on Organic Farmers".

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### Molecular breeding of rice resistant to blast disease

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) ice is one of the most important cereal crops in the world, which provides food for more than half of the world's population. K The blast disease is one of the most destructive diseases of rice, and is a leading constraint to rice production worldwide. Development of blast-resistant rice varieties has been proved to be the most effective and environmentally-sound way in controlling the rice blast disease. Over the past years, we initiated a molecular breeding program to develop blast-resistant rice: 1, we have performed a three-year continuous filed evaluation of blast resistance of a large core collection of rice breeding materials in China, and evaluated the genetic background of blast-resistant germplasm resources using molecular markers; 2, we developed a set of functional co-dominant molecular markers for several cloned blast-resistant Pi genes; 3, we generated rice pyramided lines carrying multiple allelic resistance genes via Agrobacterium-mediated transformation, and investigated the complementation resistance spectrum of different allelic genes in pyramided lines. Through the integrated molecular approaches, a number of rice breeding materials with broad spectrum blast resistance have been identified, and a practical marker-assisted selection procedure has been established, providing a basis for molecular breeding of rice resistant to blast disease. Using marker-assisted backcross breeding approach, an elite thermo-sensitive genic male sterile rice line 710S, and an elite restorer rice line MH3301 have been improved for blast resistance.

#### **Biography**

Songbiao Chen received his Ph.D. from the Institute of Genetics and Developmental Biology, Chinese Academy of Sciences in 2005. He conducted his postdoctoral research at The Ohio State University from 2005 to 2009, and then worked as a Senior Research Associate at The Ohio State University from 2009 to 2010. He is a Professor at the Biotechnology Research Institute, Fujian Academy of Agricultural Sciences, China. His research programs focus on plant disease resistance, plant functional genomics, and crop molecular breeding.

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