

Research Project / Scheme Details

- 1 Institute Project Code : B.H. 12303-4 (Plan Project)
- 2 Project Title : 1. ESTABLISHMENT OF AN ELITE HERD OF SURTI BUFFALOES AT NAVSARI
 (*Two schemes are merged from XII plan) 2. ESTABLISHMENT OF NUCLEUS HERD OF HFK CROSSBRED COWS
- 3 Project Duration : Date of Start: **Scheme 1-** February-1986

Scheme 2- October – 1991

Likely date of completion: Long term breeding projects

- 4 Objectives and activities for the year

Objective wise		Activity	
1.	To establish an elite herd of Surti buffaloes	1.	Selection of bulls within the herd based on traits of economic importance
		2.	Introduction of male and female germplasm from outside
		3.	Preparation of breeding plan based on pedigree of animals to avoid inbreeding
		4.	Artificial insemination with doses of quality bulls
		5.	Culling of unproductive & average animals
		6.	Identification and record keeping
		7.	Disease monitoring and record keeping
2.	To improve and conserve the superior germplasm of Surti buffaloes	1.	Selection of bulls within the herd based on physical breed characters
		2.	Culling of animals not true to breed
		3.	Selective breeding to undertaken
3.	To undertake ancillary studies on management, nutrition and health cover	1.	Institutional and other agency projects to be undertaken

Institute Project Code : B.H. 12953 (Plan Project)

Project Title : 1. Strengthening of Livestock and Veterinary
Component at Navsari

Project Duration : Date of Start: 2001

Likely date of completion: Long term project

Objectives and activities for the year

Objective wise		Activity	
1.	To identify and evaluate existing livestock production systems followed by the livestock owners of South Gujarat	1.	Survey work on Surti buffalo
		2.	Survey work on Surti Goat
		3.	Survey work on crossbred cows
		4.	Interaction sessions with livestock farmers
2.	To work out improvement in the existing system of management and feeding	1.	Ancillary studies to be undertaken as per objective
3.	To identify and develop suitable supportive component of livestock to the dairy farming for making mixed farming system economically viable	1.	Execution and demonstration of mixed farming to the farmers

Institute Project Code : B.H. 2030-02 (ICAR Project)
Project Title : 2. Genetic improvement of Surti goats in farmers' flock
Project Duration : Date of Start: 2001
Likely date of completion: Long term project

OBJECTIVES:-

1. To assess the production performance of goat breeds in farmers' flocks under village management systems and improve the germplasm through selection.
2. To evaluate the socio-economic status of goat breeders and the economics of goat production in farmers' flocks.
3. To disseminate the pro-poor goat based technologies under field conditions and assessment of their impact on goat production.

TECHNICAL PROGRAMME:-

1. The performance recording on growth, milk yield, reproduction, health etc. will be done separately for each groups and reporting will be made accordingly.
2. Each unit will maintain at least 4 Centres having atleast 600 breedable does under the coverage.
3. Selection of males and females will be made on the basis of 6 monthly body weight in small breeds (black Bengal) and 9 month body weight in medium and large breeds.
4. Multiple births will be preferred for single born kid in the selection of future bucks.
5. Semen Bank will be established by each Unit to Store at least 1000 doses of semen of each elite buck available in the field area to promote Ex-situ conservation of the breed and 500 semen doses to be sent to NBAGR, Karnal.
6. The socio-economic studies will be undertaken and viability of goat rearing will be worked out.
7. Strategic supplementary feeding schedule will be followed to improve the nutritional level of the goats.
8. Health coverage will be provided to all the goats in the project area in collaboration with State Animal Husbandry department.
9. Marketing aspects of live goats and goat products viz, meat, milk, skin, hair and manure will be studied.
10. Efforts will be made to form goat breeder's societies, cooperative societies and to register the goat flocks in the breeding tract of the respective breeds.