

## Information to Scientific community

- Surti goat is very good converter of crop residues into product like meat and milk and presently at the verge of extinction. Therefore, serious and sincere efforts for their conservation are required. The research highlights are as under:
- The Surti goats bear big sized udder with long conical teats hanging up to hock that restricts the movement of the animal under forest and shrubs. Therefore, this might be the reason to adopt stall fed conditions and hence mostly maintained by artisan class people living in towns and cities situated on coastal belt of South Gujarat from Bharuch to Valsad districts.
- The mean body height, length, girth and weight of superior Surti goats recorded as  $66.66 \pm 2.11$  cm,  $62.07 \pm 2.42$  cm,  $68.87 \pm 2.38$  cm and  $29.57 \pm 1.75$  kg respectively.
- The mean body weight, body length, body height, chest girth and paunch girth of adult Surti buck was recorded as  $39.69 \pm 2.70$  kg,  $72.04 \pm 2.03$  cm,  $71.16 \pm 2.66$  cm,  $78.28 \pm 2.25$  cm and  $75.58 \pm 2.31$  cm respectively.
- The Surti goats are never found in flock and in the present study the average number of Surti goats holding was 1.5 with a range of 1-3 animals by a goat keeper
- The Surti goat is grouped as dual-purpose animal and is known for its good milk producing capabilities. The average milk production of superior Surti females under in situ condition was recorded as  $273.95 \pm 1.08$  liters in 150 days. The lactation yield increased with the number of lactation and peak production was recorded during 3rd lactation.
- The incidences of single, twins and triplets were recorded as 40.36%, 52.02 % and 7.44 % respectively.
- The over all daily body weight gain of selected males during birth to 12 month of age was recorded as 63.84 gm.
- The daily weight gain in male and female kids produced by superior males was recorded as 53.15 and 50.73 gm respectively.

## Recommendation for farmer community

The surti goat keepers are recommended to supplement approximately 6-7g of yeast (*S. cerevisiae*) daily along with concentrate to 4-6 months old kids for better growth rate and at lower feed cost.

સૂરતી જાતના બકરા રાખતા બકરાપાલકોને ભલામણ કરવામાં આવે છે કે ૪ થી ૬ મહિનાની ઉંમરના લવારાઓ ને પૂરક આહાર તરીકે ૬ થી ૭ ગ્રામ યીસ્ટ (સેકોમાઈસીસ સર્વિસી) દાણ સાથે બે મહિના સુધી આપવાથી તેના વૃદ્ધિ દરમાં વધારો થાય છે અને આહારનો ખર્ચ ઘટે છે.

## Award

Conferred with **best poster presentation award** for the abstract "**Utilization and Requirement of Dietary Energy in Captive Indian Leopard (*Panthera pardus fusca*)**" presented in the conference **Newer perspectives in animal nutrition research for augmenting animal productivity**, organized by Animal Nutrition association, ICAR-IVRI at Sri Venkateswar Veterinary University, Tirupati, AP during **9-11 November, 2016**.