

L-37/KVK/Lohit/2015-16

## SCIENTIFIC GOAT FARMING



**Krishi Vigyan Kendra,**  
**Lohit, Namsai Dist., Momong**  
**Arunachal Pradesh**  
**Pin-792102**  
**Under**  
**ICAR-NRC on Yak, Dirang, West Kameng**  
**Arunachal Pradesh**

## Introduction

The goat plays an important role in the socio-economic life of the rural people. It is one of the main sources of income for landless labours and marginal farmers for whom it is a saviour during distress. India ranks first in the world goat population occupied 19% of the total goat population in the world. There are 20 different breeds of goat found in India.

### Advances of Goat farming :

- Low investment requires to established a herd in compare to other livestock like cow, buffalo etc.
- Different breeds of goat are well adapted in all most all climatic zones *viz.* dry, arid, semi arid, temperate etc .
- It requires very little care and maintenance as it has unique ability to survive in adverse conditions with the habit of eating almost all types of grasses and tree leaves.
- It provides meat, milk, manure, fibre and skin.
- Acquires quick maturity animal with high fertility and fecundity.
- Requires low feed and managerial attention.
- Have high feed conversion efficiency.
- Quick pay-off and low risk involved.
- Plays important role in income generation.
- Scope for employment generation.

### Housing :

Goat shed requires adequate sun light, well ventilation for free flow of fresh air and dry floor particularly in the region where rainfall and humidity is very high. The height of the floor of the house should have at least 3-3.5 fts from the ground so that cleanliness of both inside and outside area could be done easily. An adult goat requires 2.5ft × 4.5ft of space. Bamboo slats or wooden slats 3” thick and 1” wide (7.5 cm

and 2.5 cm respectively) may be used as flooring material which are laid one after another leaving about 1” gap in between. The wall of the shed should have the provision of good ventilation.

### Some important breeds of goat and their native :

Breed	Home Tract
Gaddi	Shimla,H.P.
Barbari	UP
Sirohi	Rajasthan
Beetal	✦ Punjab
Surti	✦ Gujarat
Osmanabadi	✦ Maharastra
Black Bengal	✦ West Bengal
Assam Hill Goat	✦ Assam and NE states

### Feeding :

Goat eats almost all types of grasses and tree leaves. It does not require any extra feed after grazing. But, if provides some amount of concentrated feed (150-200g) to them then that improves its body weight as well as general health of the animals. Pregnant and milch animals should be provided feed supplemented with more protein and energy. The ingredients of concentrated feed for goat as given below.

Ingredient	Percent (%)
Maize	50
Rice polish	25
GNC	12
Skimmed milk powder	11
Min. mixture	2
Salt	1

Kitchen waste may be utilized as goat feed that can be reduced the requirement of concentrated feed.

### **Some important information on goat breeding management**

- Weak, low productive female should not be used for breeding
- Breeding female should have faster growth rate, optimum body weight with increased milk yield and better health.
- Goat can be utilized maximum 7-8 years for breeding purposed.
- Breeding animals should be selected considering their body weight at birth and weaning, early puberty and growth rate, intercalving period and liter size, atructure of udder etc.
- Castration is suggested at the age of 3 months in case of goat.

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