

Practical Exercise 1

Recognition of different breeds of cows, buffalo & goat

Objective : *To enable the students to identify and differentiate various breeds of dairy animals based on various parameters.*

Introduction

A breed is a group of inter-breeding animals of a species having similar morphological (colour, shape and size of body parts) characteristics. Therefore knowledge of external body parts of dairy animals along with breed characteristics and dairy characters can be used to recognize different breeds of cows, buffaloes and goat.

Materials required

- The foremost requirement for recognition of different breeds of cow, buffalo and goat is that students should carefully go through external anatomy and breed characteristics of different breeds of dairy animals.
- Representative animals of different breeds maintained on the farm like Sahiwal, Red Sindhi, Gir breeds of cattle, Murrah, Niliravi, Bhadawari breeds of buffalo, Jamunapari, Beetle, Jafarabadi breed of goat etc.

Procedure

- Students should observe very carefully the different anatomical features of animal body and breed characteristic of dairy animals.
- Identify the different breeds of cattle, buffaloes and goat based on distinguishing characteristics for each breed

Observation

Breeds of cow

S.No.	Points	Breed 1	Breed 2	Breed 3
1	Body Coat colour			
2	Fore head			
3	Ears			
4	Shape of horns			
5	Dewlap			
6	Tail			
7	Muzzle			
8	Hump			
9	Body size			

Breeds of buffalo

S.No	Points	Breed 1	Breed 2	Breed 3
1	Horns			
2	Fore head			
3	Colour of body parts			
4	Colour of tail switch			
5	Body size			
6	Muzzle			
7	Average daily milk production			

Breeds of goat

S.No	Points	Breed 1	Breed 2	Breed 3
1	Coat colour			
2	Skin			
3	Ear			
4	Body size			

STUDY QUESTIONS

1. Write the comparative physical characteristics of an indigenous cow and crossbred cow.
2. List the body parts for differences in appearance between cow and buffalo.