

# JOB ROLE – ANIMAL HEALTH WORKER

Sector – Agriculture

(Qualification Pack Code: Ref.Id.AGR/Q4804)

Class X



PSS Central Institute of Vocational Education  
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# **UNIT 4: Implementation of Animal Breeding Services in Dairy Animals**

## **Session 4: Basic Animal Breeding**

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# Session Objectives

The student will be able to :

- Understand the different breeding methods in Animals
- Distinguish between Inbreeding and Out breeding

# Introduction

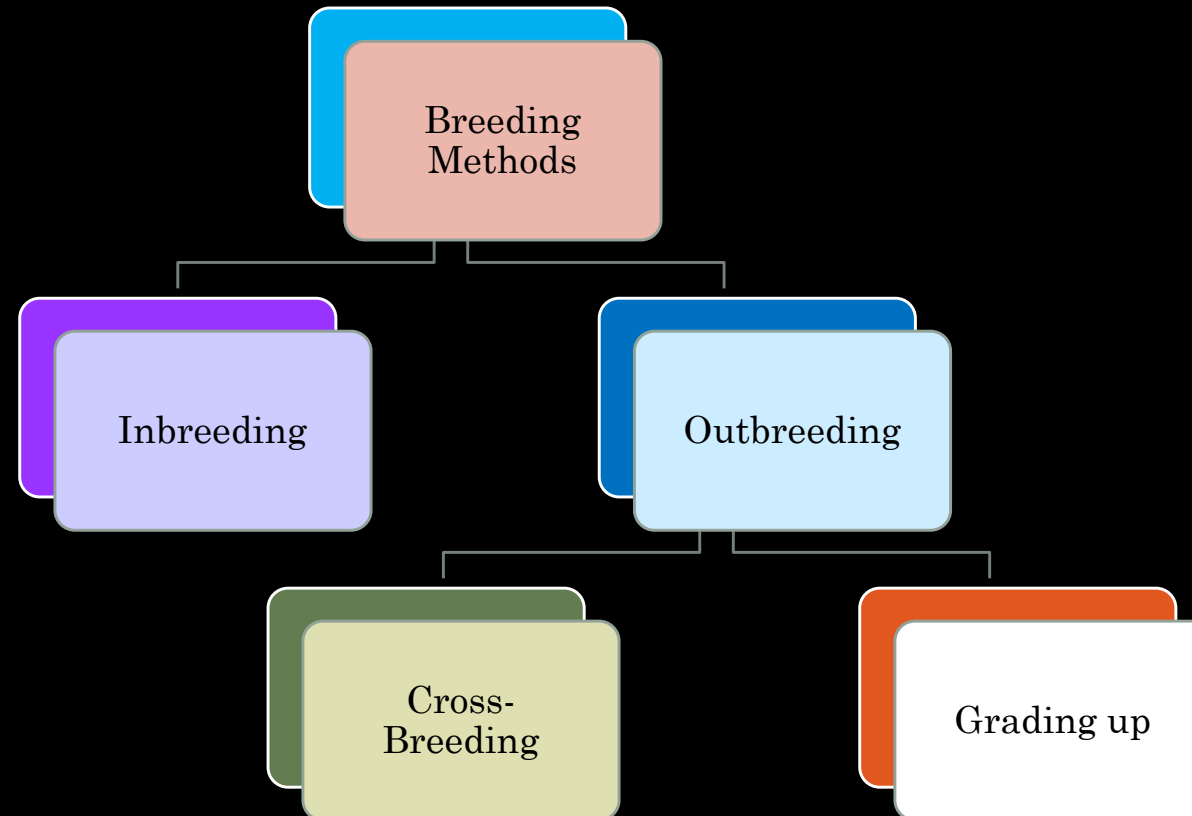
Animal breeding is a very important aspect for the Dairy workers.

Animal breeding methods have been classified into two

- Inbreeding
- Outbreeding

# Basic Animal Breeding

Animal breeding methods have been broadly classified into inbreeding and outbreeding



# Inbreeding

Inbreeding is mating of more closely related animals. It is mating of related animals within the past four to six generations.

# Outbreeding

- Outbreeding means breeding of unrelated animals.
- Outbreeding is classified into the following types.

**Cross-breeding:** In this system animals of different breeds are mated. For example, Karan Fries cattle have been produced by crossing Holstein Friesian (North American) and Tharparkar (Indian). Crossbred animals show higher growth and vigour as compared to their parents. They usually produce more milk.

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Karan Fries (cross-bred cattle)

**Grading up:** This is the method of breeding male animals of a particular breed to non-descript females. The offspring, thus produced, is again mated to the male of the same breed as its father. Grading up is used to produce pure-bred animals from non-descript animals after the seventh or eighth generation.

# Summary

In this session you have learnt about the two different types of animal breeding methods

- Inbreeding
- Outbreeding

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