

# 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 9: Post-insemination Support, Data Recording and Performance Monitoring of Breeding Services**

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# Session Objectives

The student will be able to understand the concepts of :

Post Insemination support including :

- Post insemination advice to the farmers
- Post insemination follow up by the animal health worker
- Significance of data recording in AI Programme.

# Introduction

For the successful implementation of artificial insemination programme, critical evaluation of services and post insemination support is vital.

Post-insemination support, data recording and performance monitoring of breeding services are vital steps needed for this purpose.

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# Post-insemination Advice to Farmer

- (a) The animal owner should be asked to closely observe his animal for the next 12–24 hours. The observation should include any abnormal discharge and duration of heat.
- (b) The animal should be given extra care after breeding.
- (c) Breeding with scrub bulls and non-descript bulls should be avoided during the remaining part of the heat after AI.

Cont...

- (d) If signs of heat persist even after 18–24 hours, AI should be repeated. Else, the animals should be observed for heat symptoms after 18–21 days and also after 36–42 days
- (e) If the animal does not repeat heat after 18–21 days, it should be examined for pregnancy after two months of AI.
- (f) Properly record the time of onset of heat, date and time of AI and due date for pregnancy diagnosis on expected date of calving.

## Post-insemination Follow-up by the Animal Health Worker

- (a) After around 21 days, a follow-up of each inseminated animal should be done to find out whether it has repeated heat.
- (b) After two months, a follow-up of every inseminated animal should be done for pregnancy diagnosis and the date and result of the diagnosis should be recorded in a register.
- (c) After pregnancy diagnosis, an individual followup of each animal should be done and the expected date of calving should be recorded.

Cont...

- (a) (d) All records related to artificial insemination, pregnancy diagnosis, and calving should be meticulously recorded and maintained.
- (b) (e) Advise farmers on heat detection, feeding, management and healthcare of animals.

# Significance of Data Recording in AI Programme

Data recording is very important in AI programme.

A systematic recording of data enables the animal owner to get his animals examined timely for pregnancy, predict the probable time of next oestrus, diagnose infertility and anoestrus and plan suitable management according to the reproductive stage.

Figure 4.52 depicts the advantages of maintaining computerised records.



**Monitoring of  
fertility of  
individual bulls**

**Generates  
pedegree  
information**

**Accurate  
database is  
available for  
decisions by  
management**

**Advantages of computerized records**

# Evaluating Success and Performance Monitoring of AI Services

- This monitoring is the per cent of cows that get pregnant on the first service.
- The target should be to achieve a conception rate of at least 45 per cent on the first service. The results should be compared with contemporaries working in the same area.
- The number of services per conception is another index of breeding performance related to the effectiveness of the insemination technique.

# Summary

In this session you have learnt the concepts of :

Post Insemination support including :

- Post insemination advice to the farmers
- Post insemination follow up by the animal health worker
- Significance of data recording in AI Programme

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