



ARTEFICIAL INCEMINATION

LEVEL-II

LEARNING GUIDE-16

Unit of Competence: Assisting Basic Husbandry Practice of Dairy Cattle

Module Title: Assisting Basic Husbandry Practice of Dairy Cattle

LG Code: AGR ATI2M 05 0919 LO3-16

TTLM Code: AGR ATI2 TTLM 0919V1

LO3: - Handle materials and equipment

This learning guide is developed to provide you the necessary information regarding the following content coverage and topics –

- ✓ Handle waste material.
- ✓ Handle and transporting materials, tools and equipments.
- ✓ Maintain, clean and safe work site.

Learning Activities

1. Read the specific objectives of this Learning Guide.
2. Read the information written in the “Information Sheets ”.
3. Accomplish the “Self-check” in each information sheet
4. If you earned a satisfactory evaluation proceed to “next Information Sheet”. However, if your rating is unsatisfactory, see your teacher for further instructions or go back to Learning Activity #2.
5. Submit your accomplished Self-check. This will form part of your training portfolio.
6. Read the “Operation Sheet” and try to understand the procedures discussed.

The efficient handling and storing of materials are vital to livestock work. In addition to raw materials, these operations provide a continuous flow of parts and assemblies through the workplace and ensure that materials are available when needed. Unfortunately, the improper handling and storing of materials often result in costly injuries.

Material and equipment handling is involved in many farm accidents. This equipment includes portable augers and elevators, front-end loaders, forklifts, bale stackers and handlers, wagons and trailers, silo blowers and unloaders and manure spreaders. Some accidents with materials handling equipment produce serious injuries. Many of these accidents can be prevented by observing the following rules:

- Before unclogging, lubricating, adjusting powered equipment, such as a forage wagon:
 - Disengage the feed control,
 - Cut the engine's power, and.
 - Wear close-fitting clothing when working around powered shafts, augers and elevators.
 - Keep guards maintained and in place when equipment is running.
 - Train operators to understand the hazards associated with each piece of equipment, referring to the owner's manual for specific recommendations.
 - Do not allow children to operate materials handling equipment until they are physically and emotionally mature enough to handle the job.
 - Keep children away from hazardous equipment and situations and teach them about such hazards.

Material handling

Proper handling and transportation of materials, equipments and machineries' is one of the major tasks in work place. You need to follow

- ❖ Wear always PPE
- ❖ Select correct handling system
- ❖ Handle materials with appropriate care and safety
- ❖ Use hard covering /box, basket, sacks, rubber cloth .../ for sharp and materials easily damage
- ❖ Transport all the materials to the work place to and from workplace and storage
- ❖ Put all the materials in correct order and place for next use.

Storage

The equipment should be stored in an appropriate area to protect it from:-

- excess moisture
- harmful contaminants and heat
- cold
- Sunlight or corrosive substances

There should be a clear segregation of equipment which is ready for use and that which is awaiting repair or maintenance. A sufficient stock of spare parts should be available at all times.

Self-Check 1	Written Test
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Directions: Answer all the questions listed below. Illustrations may be necessary to aid some explanations/answers.

1. How can prevent equipment handling accident? (3pts)
2. Elaborate safe materials and equipment storage condition.(4pts)

Note: Satisfactory rating above 6 points

Unsatisfactory - below 46points

You can ask you teacher for the copy of the correct answers.

Answer Sheet

Score = _____
Rating: _____

Name: _____

Date: _____

Short Answer Questions

Handling and management practices are appropriate and minimize the risk to the welfare of cattle. Handling and transportation of animals at all stages affects the end product, ease of handling the animals, employee safety and animal product quality. Gentle handling and good husbandry skills improve the overall productivity of the animal and help to diminish any setbacks that the animal might encounter. When trying to improve the handling and transportation practices on your farm there are many different factors to consider, including utilizing proper equipment, handling methods, practices for on the truck and tips for how to decide who is fit to transport.

Loading and unloading animals can be one of the most stressful times on a farm for the animals and herdsman. In order to insure ease of handling, we need to utilize proper handling tools, maintain the correct environment and have the correct ramp design. When assessing the flooring types on your farm it has been found that all surfaces where movement takes place should be non-slip.

A light broom finish or imprinting concrete can add traction to handling areas, decreasing slipping and spreader injuries. To maintain a high standard for handling and transportation protocols on your farm many factors must be addressed. Constant evaluation of building and truck design and maintenance, as well as assessing your management practices for handling and training of employees, are all factors when working to increase the productivity and welfare on your farm. Consider using a [Transport Quality Assurance \(TQA\)](#) educational opportunity to improve the handling and transportation methods utilized on your farm.

Self-check-2	Written
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1. Discus about proper handling and transporting of animals(5pt)?

Directions: Answer all the questions listed below. Use the Answer sheet provided in the next page:

Note: Satisfactory rating above 4 points Unsatisfactory - below 4 points

You can ask you teacher for the copy of the correct answers.

Answer Sheet

Score = _____
Rating: _____

Name: _____

Date: _____

Short Answer Questions

The importance of Clean, Maintain and store tools and equipments are

- To clean work
- To save the work site environment
- It protect from chemical, accidental, body contact hazards
- It increases the duration of the materials, tools and equipments for future use.

Guidelines to clean tools and equipments

- Separate other materials
- Handle the contaminated with neoprene or rubber glove
- Wash the materials
- Handling them on a lineout side and housing them down with water(PPE)
- Be careful when disposing of rinse water. If it contains herbicides do not dispose of it on a garden or loan area.
- Do not mix the contaminated materials with others in a washing machine.
- Put only a few contaminated materials the same area at a time, grouping together those that are contaminated by the same chemical. And set the machines for full load.
- Use hot water
- Dry materials

Directions: Answer all the questions listed below. Use the Answer sheet provided in the next page:

1. List importance of clean maintain safe work site? (3pt)

Note: Satisfactory rating above 3 points

Unsatisfactory - below 3 points

You can ask you teacher for the copy of the correct answers.

Answer Sheet

Score = _____
Rating: _____

Name: _____

Date: _____

Short Answer Questions

References

1. animalwelfarestandards.net.au
2. Regional Development Programs DairySA
3. dairytas.com.au DairyNSW