

Name: _____

Dairy Reproduction and Genetics – Chapter 4, Dairy Resource Handbook

Name the hormone that is necessary for maintaining pregnancy _____

What gland produces luteinizing hormone? _____

Gestation (Pregnancy) for a dairy cow is approximately how many days? _____

What hormone causes milk let-down and aids in the birthing process? _____

How old does a heifer need to be before she is bred for the first time? _____

_____ does not occur until approximately 18 hours after the beginning of standing heat.

Name two signs of Estrus:

1)

2)

What is the primary reason to use Artificial Insemination (AI)?

Why is Embryo Transfer used in the dairy industry?

Another name for Dystocia is: _____

Describe what "Heredity" means:

Referring to page 37, please list the name of the Paternal Grandsire _____

What does CTPI stand for? _____

Give an example of a low heritability type trait: _____

Name the three selective mating systems

- 1)
- 2)
- 3)

Research has shown that daughters of AI (artificial insemination) sires yield approximately _____ pounds more milk per lactation than daughters of natural service bulls.

Please complete the Punnett Squares. List % of red calves at the bottom of each example.

	Sire	
	B	b
Dam	B	
	B	

	Sire	
	B	b
Dam	b	
	b	

Manure Management & Environmental Quality - Chapter 9, Dairy Resource Handbook

What is a Watershed?

Using an on-line search, what is the name of the Watershed that you live in?

When liquid manure is to be used as fertilizer for crops, what type of land application is preferred – Surface or Injection?

List two benefits of choosing to “compost” dairy farm manure:

1)

2)

Animal Agriculture in the USA makes up ____% of total Greenhouse Gas (GHG) emissions.

Source: ghgguru.faculty.ucdavis.edu/category/blog/

True or False ____ The most common concern regarding air quality on a dairy farm is the odor from manure. Proper storage and handling can help minimize the odor.

What does the following abbreviation stand for? CAFO

When building a manure storage facility, a dairy farmer plans for at least how many months of storage space?

True or False ____ While federal environmental regulations must be followed by all, individual states may choose to impose stricter regulations.

Caring for Animals – Chapter 13, Dairy Resource Handbook

Name four “Privileges” associated with caring for dairy animals.

- 1) _____
- 2) _____
- 3) _____
- 4) _____

True or False _____ All milk produced by the cow during the withdrawal period must be discarded.

Name three types of “bedding” that farmers can use to keep cows clean and comfortable.

- 1) _____
- 2) _____
- 3) _____

Who is responsible for assuring that the milk and beef eaten by the consumer is a safe product? _____

- A. The Retailer
- B. The Processor
- C. The Packer
- D. The Farmer
- E. All of the above

Describe the differences between a “Subcutaneous” injection and an “Intramuscular” injection.

Name two ways to identify a “treated cow” in order to prevent her milk from entering the food supply.

- 1) _____
- 2) _____

True or False _____ On a "Medication Insert", recommended daily dosage is listed according to body weight.

On page 160 in your Dairy Resources Handbook, is Omnibiotic labeled for treating Pneumonia in cattle?

On page 162 in your Dairy Resources Handbook, what is the minimum Phosphorus level in this feed?

What should you do if you notice someone using "unethical techniques" to train their animal?

From the Pillars of Character model, list three of your favorite "pillars" and explain how you would demonstrate those at the fair.

1) _____

Explain:

2) _____

Explain:

3) _____

Explain: