

LESSON 1.6

Meat Regulations

Student Name _____. Date _____

DIRECTIONS

Conduct your own research to complete this activity sheet on state and federal meat regulations.

State and Federal Regulations	
What organization is responsible for verifying the safety of meat and poultry products sold to Missouri Consumers?	
What health tests must take place to verify the meat's safety?	
Are there specific standards or inspections the cattle/product must meet if they are being sold at markets?	
What documentation and tests must be provided for the transport of animals?	
What organizations are responsible for ensuring the United States meat supply is safe?	

LESSON 1.6

Herd Health Plan Examples

DIRECTIONS

Teacher Directions: Print and cut out the following health plans for students to review.

Example 1

Herd Size: 100

Vet: Mr. Rogers

Vaccination Record:

Vaccine	Date	Next Dose	Notes
Leptospirosis	1/1/25	1/1/26	80 vaccinated
Bovine viral diarrhea (BVDV)	2/1/25	2/1/26	75 vaccinated
Infectious bovine rhinotracheitis (IBR)	3/1/25	3/1/26	97 vaccinated

MANAGING BEEF CATTLE

Example 2

Herd Size: 10

Vet: Dr. Rogers

Movement Record:

Pasture 1 1/1/15-3/1/25

Pasture 2 3/1/25-5/1/25

Pasture 3 5/1/25-7/1/25

Vaccination Schedule:

Tag #	Leptospirosis	Bovine viral diarrhea (BVDV)	Infectious bovine rhinotracheitis (IBR)	Notes
01	1/1	2/1	4/1	
02	1/1	2/1	4/1	
03	1/1	2/1	4/1	
04		2/1	4/1	
05	1/1	2/1	4/1	
06	1/1	2/1	4/1	
07	1/1	2/1	4/1	
08		2/1	4/1	
09	1/1	2/1	4/1	
10	1/1	2/1	4/1	

LESSON 1.6

Handout #2 - Herd Cutouts**TEACHER DIRECTIONS**

Cut out each of these cards and place them face down on a table or desk. As students complete the activity, they will select a card (without reading it) each time they buy one of the cattle.

HEALTHY	HEALTHY	HEALTHY	HEALTHY
PINK EYE	BOVINE VIRAL DIARRHEA	INFECTIOUS BOVINE RHINOTRACHEITIS	BOVINE VIRAL DIARRHEA
HEALTHY	HEALTHY	HEALTHY	HEALTHY
LEPTOSPIROSIS	PINK EYE	LEPTOSPIROSIS	INFECTIOUS BOVINE RHINOTRACHEITIS

LESSON 1.6

Technologies in the Beef and Dairy Industries

Rubric

DIRECTIONS

Select a current or emerging beef or dairy technology to research and share with the class. Use this rubric as guidance.

Criteria	Exemplary (3)	Proficient (2)	Developing (1)
Identification of Technology	Thoroughly identifies and describes a current or emerging health management technology, providing clear and comprehensive details.	Identifies and describes a current or emerging health management technology, but some details may be missing or unclear.	Identification and description of the technology is limited or inaccurate.
Analysis of Pros	Provides a comprehensive and well-reasoned analysis of the potential benefits and advantages of the selected technology, supported by relevant evidence.	Analyzes the pros of the selected technology, but the analysis may be somewhat superficial or lacking in supporting evidence.	Analysis of the pros is limited or lacks sufficient justification.
Analysis of Cons	Thoroughly examines the potential drawbacks and limitations of the selected technology, addressing key concerns and challenges in a thoughtful and well-supported manner.	Analyzes the cons of the selected technology, but the analysis may be incomplete or lacking in depth.	Analysis of the cons is limited or lacks sufficient detail.

MANAGING BEEF CATTLE

Presentation and Communication	Presents the findings in a clear, well-organized, and engaging manner, effectively using visual aids or multimedia to enhance the audience's understanding. Communicates ideas and insights fluently and confidently.	Presents the findings in a generally organized way, with some use of visual aids or multimedia. Communication is mostly clear but may lack some fluency or confidence.	Presentation is disorganized or lacks clarity, with limited use of visual aids or multimedia. Communication is unclear or difficult to follow.
Overall Quality	The work demonstrates a comprehensive understanding of the topic, critical analysis, and thoughtful synthesis of information. The final product is of high quality and meets or exceeds expectations.	The work demonstrates a solid understanding of the topic, with some analysis and synthesis of information. The final product is of good quality and meets expectations.	The work demonstrates a limited understanding of the topic, with minimal analysis or synthesis of information. The final product is of poor quality and does not meet expectations.

LESSON 1.6

Assessment

Student Name _____. Date _____

DIRECTIONS

Answer the questions below.

-
1. Which of the following options best describes the integration of principles needed to manage a small family farm raising cattle that is facing issues with inconsistent cash flow, underutilized assets, and difficulties managing its team while also considering herd expansion?
 - a. Focus solely on increasing the herd size to boost profitability and manage cash flow through increased sales.
 - b. Develop a plan that includes improving cash flow through better budgeting, analyzing profitability before expanding, optimizing asset usage, identifying growth opportunities, and implementing effective team management practices.
 - c. Prioritize asset management by selling underutilized equipment to generate cash flow. Use the funds to hire more staff for better team management.
 - d. Advise the farm to avoid expansion until it has resolved all current issues, focusing only on cash flow management.
 2. Scenario: You have just been hired as a manager for a local beef cattle farm. Create a plan (schedule) of what health monitoring you will do on a daily, weekly, and monthly basis. Include 3 daily tasks, 3 weekly tasks, and 3 monthly tasks.

MANAGING BEEF CATTLE

3. Scenario: The farm that you manage just got three new cows from a cattle auction. Explain at least two things that would be included in your quarantine and biosecurity plan for each of the following:
 - Preparing for Arrival
 - Arrival
 - Time in Quarantine
 - Joining Herd

4. Identify three local, state, or federal regulations for buying and selling beef and dairy cattle.

5. Summarize a current or emerging technology related to health in the cattle industry. Make sure to include at least one pro and one con in your summary.