

Biosecurity & Animal Agriculture

Lesson Overview

Objectives:

1. To define biosecurity.
2. To analyze the role of biosecurity in animal agriculture in the United States.
3. To identify biosecurity risks.
4. To discover biosecurity management practices.

Student Action Plan

Class 1

Essential Questions:

1. What is biosecurity?
2. Why is biosecurity important in animal agriculture?
3. Why is biosecurity important on at the national level?
4. What programs and initiatives are in place nationally to promote biosecurity?

Step 1: On the **Biosecurity Overview Activity**, write your definition for biosecurity in the “before” column.



Step 2: Access the **Action Plan, Vocabulary Handout** and **Key Concepts**.



- The **Action Plan** lays out a list of tasks for you to complete the lesson.
- The **Vocabulary Handout** is a list of terms used throughout the lesson.
- The **Key Concepts** is an outline which identifies the main ideas presented in the lesson which you can fill in to aid in note taking during the lesson.

Step 3: View the **Biosecurity Defined** video segment.



- This video is five minutes long.
- Be sure to utilize the **Key Concepts** for this segment of the lesson.
- After viewing the video, discuss your answers to the definition of biosecurity.

Step 4: Continue the **Biosecurity Overview Activity**.



- Fill in the remainder of the table and answer questions 1 and 2.
- Be prepared to discuss your answers with the class.

Step 5: Complete the **Biosecurity Defined Check for Understanding**.



- This Check for Understanding is a short review of the content presented in the segment.

Step 6: View the **A National Perspective** video segment.



- This video is seven minutes long.
- Be sure to utilize the **Key Concepts** for this segment of the lesson.

Step 7: Continue the **Biosecurity Overview Activity**.



- Answer questions 3 and 4.
- Be prepared to discuss your answers with the class.

Step 8: Complete the **A National Perspective Check for Understanding**.



- This Check for Understanding is a short review of the content presented in the segment.

Step 9: Turn in your **Biosecurity Overview Activity** prior to leaving class.

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Student Action Plan

Class 2

Essential Questions:

1. What are common biosecurity risks in animal agriculture?
2. How are diseases transmitted?
3. What are common risk management techniques utilized in animal agriculture?

Step 1: Review the **Basic Biosecurity Plan Project**.



Step 2: View the **Biosecurity Risks** video segment.



- This video is eight minutes long.
- Be sure to utilize the **Key Concepts** for this segment of the lesson.

Step 3: Complete the **Biosecurity Risks Check for Understanding**.



- This Check for Understanding is a short review of the content presented in the segment.

Step 4: View the **Biosecurity Management** video segment.



- This video is six minutes long.
- Be sure to utilize the **Key Concepts** for this segment of the lesson.

Step 5: Complete the **Biosecurity Management Check for Understanding**.



- This Check for Understanding is a short review of the content presented in the segment.

Step 6: Begin working on the **Basic Biosecurity Plan Project**.



- In your groups, work to decide which type of operation you will base your plan on and view the **Example Biosecurity Practices** video segment.

Step 7: Submit the type of operation you are wanting to use in the **Basic Biosecurity Plan Project**.

Class 3

Step 1: Complete the **Vocabulary Activity** and study for the **Final Assessment**.



Step 2: Complete the **Biosecurity & Animal Agriculture Final Assessment**.



- The Final Assessment is a comprehensive assessment covering material throughout the entire lesson.

Step 3: Continue working on the **Basic Biosecurity Plan Project**.



- In your groups, you should continue researching and compiling information to use in your plan.

Step 4: Share your progress on the **Basic Biosecurity Plan Project** before leaving class.

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Class 4

Step 1: Continue working on the **Basic Biosecurity Plan Project**.



- Continue researching and compiling your plan.
- You will be presenting your plan in the next class.

Class 5

Step 1: Present the **Basic Biosecurity Plan Project**.



Step 2: Turn in your **Basic Biosecurity Plan Project**.



NOTE: If you see this icon, the item is available to be completed interactively on iCEV.