

Instructional Scenario



Best Management Practices for Disease Prevention

Course/Duty Area: Biological Application in Agriculture/Understanding the Health Principles of Biological Systems

Scenario:

Your boss wants you to develop a user-friendly guide for farm and/or greenhouse employees to follow to help limit the introduction and spread of diseases. You must create a guide for entry-level employees to follow that will keep the farm and/or greenhouse safe.

Big Question: What best management practices (BMPs) should be in place to prevent disease outbreaks in a farm, lab, or greenhouse environment?

Focused Questions:

- What daily maintenance checks aid in the prevention of disease?
- Why is nutritional planning vital to disease prevention?
- Why are vaccines and preventive healthcare plans important?

Student Project or Outcome:

Choose a type of farm or greenhouse. Develop a set of maintenance checks that should be done each day to prevent disease.

Project-Based Assessment:

The BMP guide will be scored using a rubric.

Teacher Resources:

- [Best Management Practices](#), Cornell University College of Veterinary Medicine
- [Checklist: Disease Management, UMass Extension Greenhouse Crops and Floriculture Program](#), University of Massachusetts Amherst

Scenario submitted by Herb Hoffeditz, Broadway High School, Rockingham County Public Schools