



Module 4: Plant Growth, Management & Pest Control

Lesson B Quiz

Lesson B Quiz – How can we maximize crop yield and quality AND minimize pesticide use?

QUIZ LINKS:

[Module 4 Lesson B Quiz - Responder Link](#)

Multiple choice

What is the goal of IPM (Integrated Pest Management)

- A. Eradicate all pests using chemical pesticides
- B. Sustainable, science-based approach to control pests
- C. Speed up plant growth by increasing fertilizer use
- D. Rely only on natural predators without monitoring pest levels

Which of the following is NOT one of the four core goals of the IPM pyramid?

- A. Preventive cultural practices
- B. Genetic modification of crops
- C. Biological control
- D. Chemical control

Which of the following is an example of mechanical/physical support in IPM?

- A. Beer trap
- B. Spraying neem oil weekly
- C. Applying beneficial nematodes to the soil
- D. Using pheromone disruptors to confuse insects

When thinking about biological control in IPM, what does augmentation mean in this case?

- A. Feeding pests extra nutrients to speed up their life cycle
- B. Breeding crops to naturally resist pest damage
- C. Applying organic sprays to slow pest movement
- D. Introducing additional enemies to boost pest control

Economic threshold is the pest population level at which _____:

- A. Crop growth stops due to pest activity
- B. Cost of pest control is greater than market value of crop
- C. Cost of damage equals cost of control
- D. All pests are eliminated from the field

Which of the following is a barrier for IPM adoption?

- A. Too many pesticide ads on television
- B. Crops growing too quickly to manage
- C. Lack of interest in reducing chemical use
- D. Economics constraints

A future direction of IPM includes _____ (select the correct one only):

- A. Cross-sector collaboration to increase IPM adoption
- B. Increasing pesticide use to speed up crop growth
- C. Focusing solely on genetic modification to control pests
- D. Reducing monitoring to save time and resources

True/False

Ladybugs are natural predators used in biological pest management.

Short Answer

What are two preventative cultural practices used for pest management, and describe how they function.

Answer Should:

- Name two cultural practices introduced in Lesson B
- Briefly explain how each practice helps reduce pest pressure
- Be 2–3 sentences long

Short Essay

Give two benefits, and one disadvantage of IPM (integrated pest management). Explain thoroughly.

Requirements:

- Give two benefits explained in Lesson B of IPM.
- Give one disadvantage explained in Lesson B of IPM.
- Give a thorough explanation for each.
- Be **4–5 sentences long**