

Unit 12 – Insect Pest Management Study Guide

Unit Objectives

1. Define the term “pest” and discuss how it is subjective!
2. Describe 2 categories of pests.
3. Differentiate between exponential and logistic growth.
4. Differentiate between K and r strategists.
5. Define EIL, ET, and Characteristic Abundance.
6. Define Pest Resurgence and Secondary Pests and explain how they can be caused by pesticide use.

Define

Exponential growth curve

r and K strategists

monoculture

density dependent and density independent growth factors

EIL

ET (not the extra-terrestrial)

Why are insects so important to humans?

What are some of the natural factors that keep the human population in check?

What are the differences between the J and the S curves?

What are the differences between the r and K strategists?

Why are density dependent and density independent growth factors so important for IPM?

How do you calculate the EIL (just understand the general idea-you don't need to know the literal equation) and why is it important to consider whether or not to kill pests?

What is the importance of the economic threshold?

Why is it important to know an organism's Characteristic Abundance?

What organism keeps the green cloverworm in check?

What are secondary pests?

What is pest resurgence and why is it of ecological importance?