Key IPM Definitions For Core Exam **#5**

Economic Injury – is the number of pests which cause damage that is equal to the cost required to control that pest. (damage, such as loss of yield or product quality)

Economic Threshold – is the highest point a pest population can reach without risk of its reaching the economic injury level. *It’s the pest population density at which control measures are needed to prevent reaching the economic injury level.*

Action Threshold – is the highest tolerable level of pests. In agriculture, that number is based on the estimated value of the crop and the cost to control that pest. *It’s the pest level at which control is warranted for reasons other than economic. Below this level control measures are not needed.*

In public health and urban settings the action threshold is rarely more than ZERO. No action thresholds exist in hospitals, food service, food manufacturing, research and retail.

Agriculture can tolerate a certain amount of crop damage, pest presence and activity. No level of pests, or contamination are acceptable in residential and urban settings.

1. What term is used to describe the number of pests which cause damage that is equal to the cost required to control that pest?
2. Action Threshold
3. Economic Injury Level
4. Economic Threshold
5. What term is used to reference the highest point a pest population can reach without risk of reaching its economic injury level?
6. Action Threshold
7. Economic Injury Level
8. Economic Threshold
9. What term references the highest tolerable level of pests called?
10. Action Threshold
11. Economic Injury Level
12. Economic Threshold
13. Which of the following situation likely has the lowest action threshold triggering control actions?
14. Organic orchard
15. Hospital
16. Swimming pool
17. Which of the following can tolerate a certain amount of pest presence and activity?
18. Residential locations
19. Agricultural locations
20. Home garden locations