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#Stridulation is a method of producing sound by:

- a. Vibrating the wings
- b. Vibrating a resonant membrane

c. Striking the substrate

- d. Rubbing body parts together

#Which event might initiate nocturnal behavior in an insect whose activity cycle is under exogenous control?

- a. Sunrise

b. Solar eclipse

- c. Rainfall
- d. None of these

#Which communication signal has low information content, but can be long-lasting in the environment?

a. Wing color patterns

- b. Light flashes
- c. Stridulation
- d. Marking pheromones

#The sterile-male technique works best when:

- a. The target population is large.
- b. Females mate repeatedly.

c. The pest species can be mass-reared.

- d. All of these.

#If the acute dermal LD-50 of an insect is 50 mg/kg, then:

- a. 50 insects can be killed with 50 mg of the product.

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- b. One insect can be killed with 50 mg of the product.
- c. 50% of the insects can be killed with 50 mg of the product.

d. None of these

Anaphylactic shock is best described as an extreme type of:

- a. Entomophobia

b. Allergic reaction

- c. Parasitosis
- d. Envenomization

Vibrio cholerae, the causal agent of cholera, can be carried from one place to another on the feet of flies. This is an example of which type of transmission?

- a. Obligatory

b. Mechanical

- c. Transovarial
- d. Facultative

Compared to first generation pesticides, the newer second and third generation compounds are:

a. More selective and less persistent.

- b. More toxic and less selective.
- c. More persistent and less selective.
- d. None of these.

What is the generally accepted mode of action for organophosphate insecticides?

- a. Chitin inhibitor

b. Cholinesterase inhibitor

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- c. Stomach poison
- d. Respiratory toxin

#Which of these denotes a type of host plant resistance characterized by the ability of the plant to outgrow and/or repair damage resulting from an insect attack?

- a. Antibiosi
- b. Symbiosis
- c. Antixenosis

d. Tolerance

#Which of these is a cultural method for controlling insects?

a. Crop rotation

- b. Window screens
- c. Quarantine
- d. Sex pheromone traps

#Which class of chemical insecticides is characterized by a relatively high degree of environmental persistence?

- a. Carbamates
- b. Synthetic pyrethroids
- c. Organophosphates

d. Chlorinated hydrocarbons

#Which sampling strategy is best suited for insects that live in the soil?

- a. Sex pheromone trap
- b. Sweeping

c. Berlese funnel

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d. Light trap

#Which common name is incorrectly written?

a. Horsefly

b. Honey bee

c. Ground beetle

d. Lightningbug

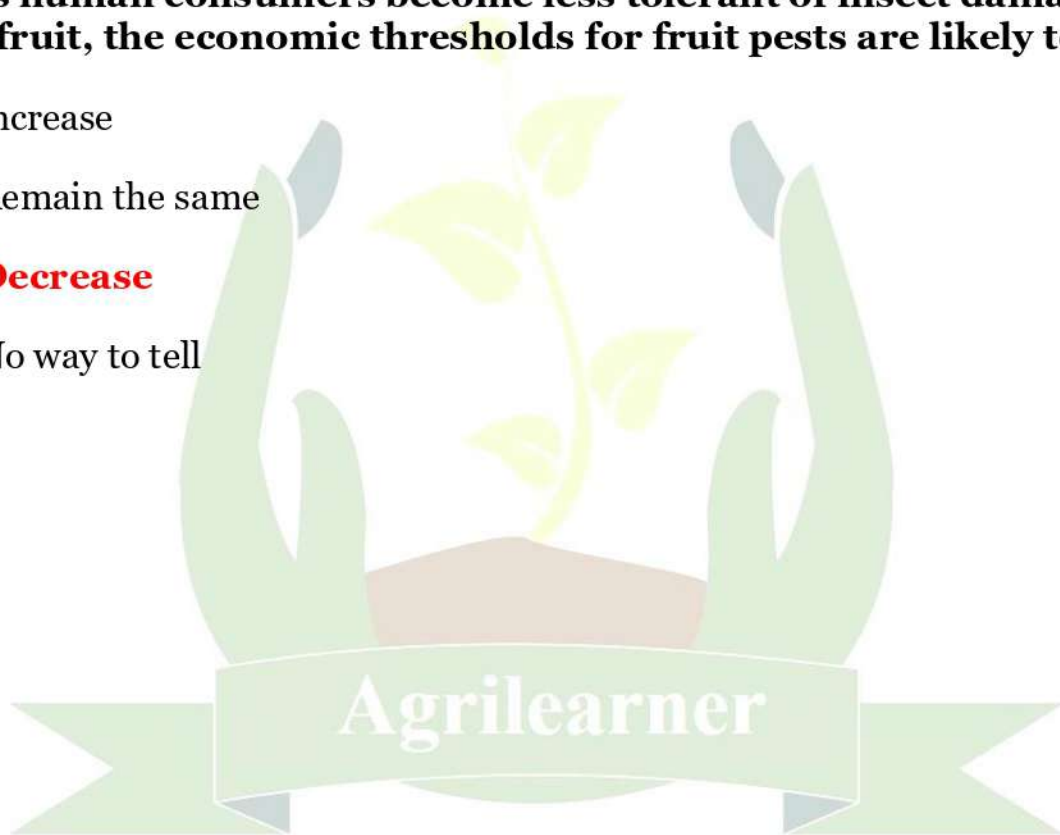
#As human consumers become less tolerant of insect damage on fruit, the economic thresholds for fruit pests are likely to:

a. Increase

b. Remain the same

c. Decrease

d. No way to tell



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