

Category B Jeopardy Questions

1. Which invasive mosquito was found in El Monte in 2011?
2. Which mosquito species can be found in rice fields?
3. Which mosquito species can spread Dengue from travel-acquired infections?
4. *Plasmodium vivax* is the causative agent of Malaria. What type of pathogen is it? (bacteria, protozoan, virus, filarial worm)
5. Which mosquitoes vector West Nile Virus?
6. Which mosquito species is found in date fields?
7. Which malaria vector mosquito species can be found in the foothills of Sierra Nevada and coastal ranges?
8. Which mosquito genus lacks a siphon (breathing tube)?
9. What species is nicknamed the "tule mosquito"?
10. To treat the _____ directly, it's better to use a larvicide, as opposed to an adulticide.
11. Name at least 2 examples of organophosphates.
12. *Aedes sierrensis* larvae are found in what natural source?
13. Name the three salt water breeding mosquito species in California.
14. Which mosquito will hatch out the quickest from an irrigated pasture for the first flooding? After the first hatch off, which species comes next?
15. Briefly describe physical control.
16. Name four mosquito species that are most likely to develop in pastures.

17. Which of the following is considered biorational insecticides? Select all that apply.
- a) Malathion
 - b) *Gambusia affinis*
 - c) Bti
 - d) Organochlorine
18. A pest population becomes resistant to one pesticide, and it may also become resistant to chemically related pesticides not previously used. What is this called?
19. What host does *Culex pipiens* prefer to feed on?
20. As of 2016, which invasive mosquito is found widespread in California?
21. Which mosquito genus does not require a blood meal?
22. Name these two trap types, and what type of mosquitoes they attract.



23. What two mosquito subfamilies are of most importance in California?
24. When treating pupae and 4th instar larvae, you would use petroleum oils and _____, both of which act more like _____ control, reducing the chance of resistance.
25. In rice fields and irrigated pastures, the _____ genus will usually emerge first in the absence of predators. Then the _____ and _____ genera will lay eggs and replace the _____ genus.

26. Which two mosquito genera lay egg rafts on the water surface?
27. Which genus lays eggs singly with floats attached?
28. Which two genera lay eggs singly without floats attached?
29. *Mansonia* and *Coquilletidia* deposit their eggs attached to _____.
30. Larvicides kill larvae before they become adults and _____. Adulticides are used to kill adults when there's a(n) _____.
31. What is the primary vector for California Encephalitis?
32. What is the primary vector for dog heartworm? What is the name of the disease pathogen?
33. The standard unit used to describe dosage in toxicity tests of insecticides are the LD₅₀, expressed as mg/kg of body weight. The smaller the number, the _____ dangerous.
34. Name at least three mosquito species that are found in all, or almost all, California counties.
35. Which two mosquito species aestivate during the summer?
36. Which two mosquito species breeds in snow melt pools?
37. Which mosquito is commonly found south and west of the Tehachapi mountains and coastal ranges?
- a. *Anopheles punctipennis*
 - b. *Anopheles hermsi*
 - c. *Anopheles franciscanus*
 - d. *Anopheles freeborni*

