

EXAM

(3.0 Hours - Other)

Title: Pesticides & Groundwater Protection, Course # A-0416-10

Name: _____, License # _____, License Type: _____

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Instructions: Please **print** this exam; answer each question, and mail it, along with a **\$25.00** processing fee to:

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1. Of all the water available in the world, what is true?

- a. 97% is salt water
- b. < 1% is suitable for use
- c. 2/3 of fresh water is groundwater
- d. All of the above

2. The presence and types of vegetation may also affect pesticide movement?

- a. True
- b. False

3. Water situated in the water-saturated zone below the earth is called?

- a. Safety zone
- b. Groundwater
- c. Water zone
- d. No-entry zone

4. Where it intersects rivers and wetlands, the groundwater often becomes?

- a. Wetter
- b. Drier
- c. Surface Water
- d. Polluted

5. Factors that affect contamination are?

- a. Nature of chemical (persistent vs. mobile)
- b. Soil types (sand, loam, or clay)
- c. Geological formations (gravel, layers)
- d. Organic material
- e. Soil factors: temperature, pH, moisture,

dissolved salts, soil organisms

- f. All of the Above

6. Off-Target movement is influenced by?

- a. Droplet size
- b. Nozzle size and angle
- c. Pressure
- d. All of the Above

7. Leave a buffer zone around treated fields to protect sensitive areas.

- a. True
- b. False

8. Apply rinseate back to the treated field, don't just drain the pesticides out onto the ground.

- a. True
- b. False

9. Always fill the spray tank half full before adding the chemicals to avoid overflows and spillage.

- a. True
- b. False

10. Always leave space between the filling hose and the tank to prevent possible back-siphoning into the well.

- a. True
- b. False

11. Never consider installing a closed mixing system to eliminate worker exposure and spills.

- a. True
- b. False

12. Triple rinse all containers and pour the rinseate into your spray tank before filling.
 - a. True
 - b. False

13. If there is any solution remaining in the tank after completing the spray job. Dilute the rest and pour it down the drain.
 - a. True
 - b. False

14. Avoid overfilling the spray tank; spills can move into sensitive areas.
 - a. True
 - b. False

15. You should always mix or load on hard-packed soil or on pavement where run-off can move into waterways.
 - a. True
 - b. False

16. Mix and load on a site that does not run-off to the soil surrounding it.
 - a. True
 - b. False

17. Load and clean sprayers away from wells or in areas with leaching potential.
 - a. True
 - b. False

18. Know your soil type for leaching potential and for run-off issues.
 - a. True
 - b. False

19. Make an assessment of your working environment for any potential for contamination and if you see any don't worry about it.
 - a. True
 - b. False

20. Always clean sprayers near the application site so the rinseate can be reapplied to the field.
 - a. True
 - b. False

21. Always train applicators to consider these field practices to avoid ground water contamination.
 - a. True
 - b. False