

EXAM

(2.0 Hours - Other)

Title: Nutrition & Pest Management,

Course # A-0420-10

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. What do all plant nutrients have in common?
 - A. They are all dry
 - B. They are ionic
 - C. They are all chronic
 - D. Nothing
2. A good monitoring program should provide the following information?
 - A. Pest densities
 - B. Life stages
 - C. Species composition
 - D. All of the above
3. When making pesticide use decisions you need to consider what?
 - A. Health codes
 - B. Action thresholds
 - C. Environmental conditions
 - D. All of the above
4. What are the ionic forms of Nitrogen?
 - A. NOO, Ni
 - B. N++++
 - C. NO₃⁻, NH₄⁺
 - D. None of the above
5. Iron is in its ionic form a...?
 - A. anion
 - B. cation
 - C. none of the above
 - D. A and B
6. Anions carry what charge?
 - A. Neutral
 - B. Positive
 - C. Negative
 - D. All of the above
7. In plant metabolism the plant must always maintain what?
 - A. Balance
 - B. Insect populations
 - C. Ornery farmers
 - D. A and B
8. What plant processes is Nitrogen responsible for?
 - A. DNA & RNA
 - B. Amino acid production
 - C. Chlorophyll
 - D. All of the above
9. Ammonia toxicity in plants can be minimized by the presence of what?
 - A. Physical removal of plant
 - B. Chemical inputs
 - C. Biological agents
 - D. Carbon Skeletons
10. What form of Nitrogen is stored in the plant and can cause cell softening allowing for pest infections and disease susceptibility?
 - A. Ammonia
 - B. Nitrate

11. What is the important issue to remember regarding phosphorous and plant growth?
- A. Energy
 - B. The spelling
 - C. Plant tie-up
 - D. Pest Management
12. Nitrate Nitrogen makes up 80% of the plants negative ions. It is balanced primarily by what Cation?
- A. K
 - B. A and D
 - C. Na
 - D. Ca
13. Up to ___% of photosynthates will end up outside the plant root surface into the soil?
- A. 10
 - B. 20
 - C. 35
 - D. 50
14. The critical area within 2 cm of the root hair is called?
- A. Dirt
 - B. Rhizosphere
 - C. Solar system
 - D. Root hair zone
15. If the ions are not balanced in the Rhizosphere the plant will use photosynthates to balance that area?
- A. True
 - B. False
16. The best way to improve a fertilizer program is to?
- A. Wait
 - B. Call your psychic
 - C. Fertilize
 - D. Grow Roots