Maryland
Department of Agriculture
Office of Resource Conservation
Nutrient Management Program
Agriculture | Maryland's Leading Industry

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December 14, 2021
Course # 121421wwb

Post-Program Quiz for Professional Fertilizer Applicator (PFA) Credits

Complete this quiz with the information you learn from the webinar presentations. You must answer all the items **correctly** and submit this form to MDA to earn **1 credit** for renewal of your PFA certification. Please print your answers clearly. You must include your printed name and PFA number as shown on your certificate, your signature, date completed and your contact information.

Mail completed forms to Maryland Department of Agriculture, Nutrient Management Program, 50 Harry S. Truman Parkway, Annapolis, MD 20401, no later than 3 business days after you view the program. Keep a copy for your records.

Soil Health: A Guide to Understanding & Creating Healthy Soils

Circle the best answer.

1. In what type of soil do most plant grow best?
    a. Well drained clay
    b. Well drained sand
    c. Well drained loam
    d. Well drained sandy clay

2. Ideally, _____percent of organic matter in soil is humus?
    a. 10
    b. 25
    c. 50
    d. 75

3. What elements may become toxic in very acidic soils?
    a. Iron, Calcium, and Boron
    b. Iron, Aluminum, and Manganese
    c. Magnesium, Calcium, and Carbon
    d. Phosphorus, Aluminum, and Potassium

Continue on the next page.

4. What element can bind phosphorus at high pH?
    a. Iron
    b. Aluminum
    c. Calcium
    d. Potassium

5. What elements can bind phosphorus at low pHs?
    a. Aluminum and Iron
    b. Aluminum and Potassium
    c. Iron and Calcium
    d. Calcium and Manganese

6. Adding organic amendments increase biological activity by adding _____.
    a. Aluminum
    b. Calcium
    c. Iron
    d. Carbon

7. What is the name of the test that measures microbial activity by testing respiration?
    a. Finker-Bloem
    b. Mehlich
    c. Solvita
    d. Bray

Signature _____

Date _____

PFA number _____

Daytime Phone _____

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