



Maryland Department of Agriculture

Office of Resource Conservation
Nutrient Management Program

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Basic Soil Science: Fundamentals of Nutrient Management

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Course #3041

Post-Program Quiz for Agricultural NM CEUs

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 Maryland Agricultural Nutrient Management continuing education credits**. Circle the correct answer for each question. You must also include your printed name and the number as shown on your Maryland NM certificate or applicator voucher, your signature, date completed and your contact information.

E-Mail Tia.Randall-Murray1@maryland.gov or mail completed form to: **MDA Nutrient Management Program, 50 Harry S. Truman Pkwy Rm. 201, Annapolis, MD 21401**

This program was approved for 1 CEU. **Keep a copy for your records.**

True or False- please write True (T) or False (F) in the space provided.

- 1) _____ Blocky soil structure is desirable for plant root growth.
- 2) _____ Soil texture is determined by the percent sand, silt, and clay.
- 3) _____ The majority of organic matter is humus.
- 4) _____ Protected organic matter is effective at holding water and nutrients in the soil.
- 5) _____ Soils with high clay content have greater total pore space, comprised mainly of small pores, which can hold water too tightly.
- 6) _____ A bulk density of greater than 1.6 g/cm³ is ideal for root penetration.

- 7) _____ Bulk density is the dry weight divided by the volume of the soil.
- 8) _____ Percent soil moisture can be calculated by weighing the wet soil, oven drying the soil, measuring the difference, dividing by the dry soil weight, then multiplying by 100.
- 9) _____ Percent pore space is the percent of the area in the soil not occupied by solids.
- 10) _____ Web soil survey is an easy way for anyone to access soil survey data online.

I certify that I have viewed this program and am entitled to receive continuing education credits toward renewal of my Maryland Agricultural Nutrient Management certification or voucher. I understand that this form may not be copied or distributed to persons who did not participate in the program, that online presentations for viewing may be withdrawn without notice, and that quizzes submitted after that time will not be accepted for NM CEUs.

Printed Name _____

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