



# Maryland Department of Agriculture

Office of Resource Conservation  
Nutrient Management Program

The Wayne A. Cawley, Jr. Building  
50 Harry S. Truman Parkway  
Annapolis, Maryland 21401

Agriculture | Maryland's Leading Industry

410-841-5959 Baltimore/Washington  
800-492-5590 Toll Free  
mda.maryland.gov Web

## Lime Requirements – Dr. Trish Steinhilber

February 15, 2021

Course #3039

### 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](mailto: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.**

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- 1) True or False- The lime requirement is the quantity of agricultural limestone needed to increase the pH of a soil to the target pH of a crop or crop rotation.
- 2) Which type of soil acidity will decrease the pH of an acidic soil over time following a lime application?
  - a. Potential acidity
  - b. Reserve acidity
  - c. Active acidity
- 3) Why is aluminum considered 'acid' in soils?
  - a. Because aluminum is tightly bound to clay particles
  - b. Because aluminum is toxic to plant roots
  - c. Because aluminum undergoes hydrolysis, releasing hydrogen ions
  - d. None of the above
- 4) True or False- Soil-lime titration is an indirect method of calculating the lime requirements?
- 5) Which buffer Ph method tends to recommend over-application of lime on sandy, coastal plain soils?
  - a. SMP Buffer
  - b. Adams-Evans Buffer
  - c. Mehlich Biffer

6) The lime requirement in Maryland is determined based on which of the following factors?

- a. Initial pH
- b. Target Ph
- c. Soil texture
- d. Physiographic province
- e. All of the above
- f. A, B, and C only

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.

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**Signature** \_\_\_\_\_

**Date** \_\_\_\_\_

**NM Certificate or Applicator Voucher Number** \_\_\_\_\_

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