



Maryland Department of Agriculture

Office of Resource Conservation

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Lime Requirements – Dr. Trish Steinhilber

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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 Kendra.keeney@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 Buffer

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

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