



# Maryland Department of Agriculture

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## Office of Resource Conservation

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## Nutrient Management Webinar January 19, 2011

### Post-Program Quiz for 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 **2 Maryland Nutrient Management continuing education credits**. Be sure to print your answers clearly. 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.

Mail completed form to: **MDA Nutrient Management Program, 50 Truman Pkwy #207, Annapolis MD 21401**, no later

than 5 business days after you view the program. Keep a copy for your records.

#### Part One: Living with TMDLs – Frank Coale, PhD

1. What does TMDL stand for? \_\_\_\_\_
2. Which pollution source sectors are worsening rather than improving? \_\_\_\_\_
3. What one sector is the largest source of sediment pollution to the Bay? \_\_\_\_\_
4. Which state provides the largest nitrogen load percentage to the Bay? \_\_\_\_\_
5. Which one of the target loads (N, P or sediments) is closest to meeting the goal? \_\_\_\_\_
6. The "Patuxent Tidal Fresh Segment Drainage" runs through how many counties? \_\_\_\_\_
7. Agriculture is a non-point pollution source, except for which type of operation? \_\_\_\_\_

#### Part Two: Lime Requirement: How Is It Determined? - Trish Steinhilber, PhD

1. What year was a lime rate field experiment in Maryland initiated? \_\_\_\_\_
2. List one of the three factors that affects lime requirement. \_\_\_\_\_
3. In Maryland, using updated information found in SFM-5, how much lime (expressed as oxide in pounds/acre) would you apply to a Maryland sandy loam soil at pH 5.5 to reach a target pH of 6.5? \_\_\_\_\_
4. A lab should not use this soil buffer solution to determine lime requirements in Maryland soils that have moderate and high 2:1 clay content. \_\_\_\_\_

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or distributed to persons who did not participate in the program, and that online presentations for viewing may be withdrawn without notice, and quizzes submitted after that time will not be accepted for NM CEUs.

Printed Name

Signature

Date

NM Certificate or Applicator Voucher Number

Daytime phone

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