



# Maryland Department of Agriculture

Office of Resource Conservation

Larry Hogan, Governor  
Boyd Rutherford, Lt. Governor  
Joseph Bartenfelder, Secretary  
Mary Ellen Setting, Deputy Secretary

## Nutrient Management Program

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

Agriculture | Maryland's Leading Industry

410.841.5959 Baltimore/Washington  
410.841.5950 Fax  
800.492.5590 Toll Free

## LPELC Webinar September 17, 2010

### 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 **1 Maryland Nutrient Management continuing education credit**. 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.

#### Manure Application in No-Till

1. Give an advantage of manure incorporation. \_\_\_\_\_
2. A disadvantage of manure incorporation. \_\_\_\_\_
3. An advantage of surface application of manure. \_\_\_\_\_
4. A disadvantage of surface application of manure. \_\_\_\_\_
5. This incorporation system left the least residue in the 2006-2007 Rock Springs trial. \_\_\_\_\_
6. This incorporation system lost the least NH<sub>4</sub>-N in the 2006-2007 Rock Springs trial. \_\_\_\_\_
7. Which two dairy manure application methods gave the best combination of economical application with the least P runoff? \_\_\_\_\_
8. Which manure incorporation left the most surface residue—aerator or chisel? \_\_\_\_\_
9. Which boosted silage yields—surface application or incorporation? \_\_\_\_\_
10. Which incorporation method was more economical—aerator or chisel? \_\_\_\_\_
11. Why is as-is poultry litter difficult to inject? \_\_\_\_\_
12. What was the difference (kg/ha) in yield for a pasture that got injected poultry litter instead of surface applied litter? \_\_\_\_\_
13. What does USDA-ARS call its poultry litter injection machine? \_\_\_\_\_

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.

<i>Printed Name</i>	<i>Signature</i>
<i>Date</i>	<i>NM Certificate or Applicator Voucher Number</i>
<i>Daytime phone</i>	<i>Email</i>