



# 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

## University of Maryland Agricultural Nutrient Management Webinar February 12, 2015 Course #2009

### 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 **2 Maryland Agricultural 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.

Email [Tia.Randall-Murray1@maryland.gov](mailto:Tia.Randall-Murray1@maryland.gov) or mail completed form to: **MDA Nutrient Management Program, 50 Truman Pkwy #201, Annapolis MD 21401**, no later than 3 business days after you view the program. Keep a copy for your records.

### Part 1: "Winterkilled Cover Crops"

1. What is the presenter's name? \_\_\_\_\_
2. What did farmers say is the greatest factor influencing cover crop adoption? \_\_\_\_\_
3. What was the most popular response farmers gave when asked what they want cover crops to do for them?  
\_\_\_\_\_
4. Name two cover crops that are not winter hardy in Maryland. \_\_\_\_\_
5. Where does soil P concentrate in a forage radish cover crop? \_\_\_\_\_
6. What three conditions in a given field could lead a farmer to choose to plant a forage radish cover crop?  
\_\_\_\_\_
7. How might no-till affect vegetable crop maturity? \_\_\_\_\_
8. Other than cost-share, name two factors that could increase cover crop adoption by farmers.  
\_\_\_\_\_

*Continued on next page*

## Part 2: “Tillage Impacts on the Soil-Crop System”

9. Name the presenter. \_\_\_\_\_
10. What was a major source of soil degradation in the U.S. in the 1700's? \_\_\_\_\_
11. When were the American Dust Bowl years? \_\_\_\_\_
12. Conservation agriculture is a “three-legged stool”: \_\_\_\_\_, \_\_\_\_\_, and \_\_\_\_\_.
13. As tillage disturbance increases, percent residue cover \_\_\_\_\_.
14. As tillage disturbance decreases, water infiltration \_\_\_\_\_.
15. As tillage disturbance decreases, evaporation from the soil \_\_\_\_\_.
16. Which tillage system had the warmest soil temperature on June 1? \_\_\_\_\_
17. Which tillage system had the tallest corn 8 weeks after planting? \_\_\_\_\_
18. Compared to conventional tillage, what is the relative amount of soil organic matter near the surface in no-till?  
\_\_\_\_\_
19. Which tillage system has the highest aggregate stability 6-10 inches' deep? \_\_\_\_\_
20. Which tillage system has the least total P loss? \_\_\_\_\_
21. Which tillage system has the least soluble P loss? \_\_\_\_\_
22. How did corn yields in no-till and other tillage systems compare? \_\_\_\_\_
23. In what areas does the presenter suggest we work to improve no-till systems? \_\_\_\_\_

Email [Tia.Randall-Murray1@maryland.gov](mailto:Tia.Randall-Murray1@maryland.gov) or mail completed form to: MDA Nutrient Management Program, 50 Truman Pkwy #201, Annapolis MD 21401, no later than 3 business days after you view the program. Keep a copy for your records.

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.

<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>