



Maryland Department of Agriculture

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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.

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.

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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? _____

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<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>