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Transmitted via Email

May 16, 2007

MINNESOTA BULLETIN NO. 250-7-11

SUBJECT: FNM–AUGUST 2007 TRAINING-NUTRIENT MANAGEMENT MODULE 7

Purpose. Announce Part II training of the Nutrient Management Track (1) of the NEDC Nutrient and Pest Management Considerations in Conservation Planning Course

Expiration Date. December 31, 2007.

The nutrient management track (Track 1) of the larger NEDC Nutrient and Pest Management Considerations in Conservation Planning Course is comprised of Parts I, II and III. Part I consists of 6 self-paced training modules. Part II or module 7 is an in-state facilitated training session. Part III is development of an acceptable nutrient management plan. Completion of all three parts is one requirement that NRCS and SWCD staff must meet to receive technical approval authority for nutrient management.

Part II (module 7) training will be offered from **1:00 p.m., August 21st to 2:00 p.m., August 23rd 2007 at the Holiday Inn and Suites in St. Cloud.** Attached is a list of individuals approved for Part II (Module 7) training. Area offices should send names of replacements to Jeff St. Ores at the state office. Class size is limited to 40.

Participants and instructors must make their own lodging arrangements. The phone number is **(320) 253-9000.** A block of rooms is being held until July 20, 2007. **Please make your reservation before July 20th noting you are with the “NRCS” group.** The government rate is \$60.00 plus tax. Present a government I.D. when you check in. NRCS students should use their government credit card and will be responsible for submitting a travel voucher for reimbursement. Non-NRCS students will be responsible for their own travel expenses. The Holiday Inn is located at Division Street and 37th Ave (highways 15 and 23 intersection).

Prerequisites.

Attendance at the August 2007 training is contingent on the following prerequisites:

1. Completion of Part I (modules 1-6) of the Nutrient Management Track ***prior to attendance.*** Register for Part I through AgLearn. For reference the AgLearn course number for part 1 is: NEDC-000083.
2. Familiarity with University of Minnesota fertilizer recommendations and NRCS and MPCA manure nutrient availability guidance. Students not familiar with this information should review the “Crop Nutrient Planning & Manure Management-Training Guide for Minnesota”,

available on the Minnesota home page.

<http://www.mn.nrcs.usda.gov/technical/ecs/nutrient/training/training.htm>

3. Completion of the attached pre-test (bring the completed test with you to the first day of classes).
4. Pencils, paper and a hand held calculator brought with you to the training session.

Contact Laurie Otte, Management Services Specialist at (651) 602-7901 or laurie.otte@mn.usda.gov if you have questions concerning accommodations. Direct course questions to Jeff St.Ores, Primary Facilitator at (651) 602-7869 or jeff.st.ores@mn.usda.gov.

/s/

WILLIAM HUNT
State Conservationist

Attachments

DIST: ASTC (FO)

ARC

FOs

Attendees

Charles Montgomery, SAO, St. Paul

Paul Flynn, SRC, St. Paul

Laurie Otte, MSS, St. Paul

Jeff St. Ores, WQS, St. Paul

Richard Giles, Jeff King, Steve Lutes, Nutrient Specialists

Kevin Blanchet, UMES

Nutrient and Pest Management Considerations in Conservation Planning

Nutrient Management Track

Part II (Module 7)

August 21-23, 2007 *Holiday Inn, St. Cloud MN*

Preliminary Agenda

Day 1

1:00 Welcome, logistics, class objectives and course issues Laurie Otte
Jeff St. Ores

1:30 Strategic Plans, Annual Plans and Jeff St. Ores
Comprehensive Nutrient Management Plans (CNMP)

Exercise Farm

2:15 Introduction to Exercise Farm Jeff King

Strategic Planning – Determining Objectives and Identifying Problems and Opportunities

2:30 Plan Objectives – Why are we developing the plan? Jeff King

2:45 Break

Strategic Planning - Inventorying

3:00 Maps, Fields, Crops, Yield Goals, Existing Rotations and Rich Giles
Existing Nutrient Management
(Exercises)

3:45 Soil Information and Soil Testing Issues (Exercises) Jeff King

4:45 Wrap-up

Day 2

8:00 Feedlot and Livestock Information (Exercises) Steve Lutes

9:00 Inventorying Sensitive Features (Exercises) Jeff St. Ores

10:00 Break

10:15 Inventorying Sensitive Features (continued) (Exercises) Jeff St. Ores

10:45 Nutrient Recommendations (Exercises) Kevin Blanchet,
UMES

12:00 Lunch

Strategic Planning-Analysis; Formulating Alternatives

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| 1:00 | Analysis of Acres Needed for Manure Applications (Exercises) | Kevin Blanchet |
| 2:15 | Break | |
| 2:30 | Analysis of Sensitive Area Information and Selection of Practices (Exercises) <ul style="list-style-type: none">- P Loss Assessment, N Loss Assessment- Use of Practice Standards and Tables to Select Practices- N and P BMPs- Need for Additional Soil and Water Conservation Practices | Rich Giles |
| 3:30 | Incorporating Strategic Plan Recommendations into the Annual Plan; Review of Baseline Strategic Plan | Jeff St. Ores |
| 4:30 | Wrap-up | |

Annual Plan Implementation Considerations

Day 3

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| 8:00 | Manure Application Considerations (Exercises) | Steve Lutes |
| 9:00 | Fertilizer Application Considerations (Exercises) | Jeff King |
| 10:00 | Break | |
| 10:15 | Example Plans | All trainers |

EQIP Nutrient Management Issues

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| 11:15 | Review | All trainers |
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Wrap Up

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| 12:15 | Wrap Up | Students and trainers |
| 1:00 | End day 3 | |

Nutrient and Pest Management Considerations in Conservation Planning

Nutrient Management Considerations

Pretest

Please complete the following exercise prior to attending the January 2005 facilitated training session of the Nutrient Management Considerations in Conservation Planning Course. You are expected to be able to answer the following types of questions prior to receiving the facilitated training.

The planned crop is corn with a realistic yield goal of 164 bushels per acre. The previous crop is soybeans. The soil organic matter level is 3.2% and you do not have a soil nitrate test.

1. What is the University of Minnesota nitrogen fertilizer recommendation?

The soil test shows that the phosphorus level is 17 ppm Bray P1 and the potassium level is 128 ppm. The producer plans to apply all of the phosphorus and potassium needed in a band at planting.

2. How much phosphorus and potassium should be applied?

The producer wants to knife inject hog manure on this field. The analysis of this manure is 55 pounds of nitrogen, 28 pounds of P_2O_5 and 41 pounds of K_2O per 1000 gallons. The typical application rate is 3,200 gallons per acre.

3. How much total nitrogen, P_2O_5 and K_2O would be available to the crop grown following this application?
4. Can this manure be applied at this rate to the above field?
5. What additional information would you need to know before you determine if manure should be applied to this field?

Please contact your regional nutrient management specialist or Jeff St. Ores if you have questions.

Nutrient and Pest Management Considerations in Conservation Planning

August 21-23/2007; Holiday Inn, St. Cloud Minn.

Students

| | | |
|--------------------------|-------------------|-------|
| 1. ALICIA LATURNUS | PARK RAPIDS | NRCS |
| 2. AMANDA PETERSON | ADA | NRCS |
| 3. ANDREA HORSMAN | WHEATON | NRCS |
| 4. BRENDA TONN | BLUE EARTH | NRCS |
| 5. CARISSA SPENCER | FAIRMONT | NRCS |
| 6. DAN GUNDERSON | LEWISTON | NRCS |
| 7. DANA RAINES | REDWOOD FALLS | NRCS |
| 8. DAWN BERNAU | PRESTON | SWCD |
| 9. DEANA POMIJE | BLUE EARTH | NRCS |
| 10. DERRICK JOHNSON | WACONIA | NRCS |
| 11. GWEN KAPPES | WARREN | NRCS |
| 12. JACQUELINE BYAM | AUSTIN | NRCS |
| 13. JAMILAH MCCOY | LE CENTER | NRCS |
| 14. JONATHAN SELLNOW | PRESTON | NRCS |
| 15. JOSH BORK | BEMIDJI | NRCS |
| 16. JULIE LINDNER | HINCKLEY | NRCS |
| 17. KATHY HAMMEL | DULUTH | WLSSD |
| 18. KATUNDRASHEARS | JORDAN | NRCS |
| 19. LEANNE LANGEBERG | BEMIDJI | NRCS |
| 20. KELLY VOIGT | BAUDETTE | NRCS |
| 21. LISA BUCKNER | GLENCOE | NRCS |
| 22. MATT WATERWORTH | PRESTON | NRCS |
| 23. MICHAEL STEINHAUER | ROSEAU | NRCS |
| 24. MIKE MCMILLIN | FOLEY | SWCD |
| 25. NANCY ALEXANDER | MOORHEAD | NRCS |
| 26. NICOL BENNETTE | THIEF RIVER FALLS | NRCS |
| 27. RONALD SPIERING | GOODHUE | NRCS |
| 28. RUSSELL KLEINSCHMIDT | MARSHALL | NRCS |
| 29. SCOTT KITTLESAN | AITKIN | NRCS |
| 30. SHANTEL LOZINSKI | WILLMAR | NRCS |
| 31. SHELLY MICKE | BAGLEY | NRCS |
| 32. STEVE SCHEMEL | CLARKFIELD | NRCS |
| 33. STEPHANIE MCLAIN | ST. PETER | NRCS |
| 34. THOMAS GERVAIS | DULUTH | NRCS |
| 35. TOM PETERSON | SLEEPY EYE | NRCS |