

## Manure Management IV, Software for Manure Management Planning

The fourth workshop in the four workshop series will provide a hands-on experience using software tools for writing a manure management plan. Workshop participants, will have the opportunity to work with a Microsoft Excel® spreadsheet-based program and a Microsoft Access® database-based program for plan writing. The Excel spreadsheet based program is a tool that will develop a plan that meets the minimum requirements of the MN State 7020 Feedlot Rules. The Access database based program will meet the minimum requirements of the MN State Feedlot Rules plus meet the USDA-NRCS program requirements for nutrient management planning. Upon completion of this course, participants will:

- Gain a practical experience using software tools for writing a manure management plan
- Be able to run software to determine whether sufficient crop acres are available to adequately utilize the nutrients produced from the farm's livestock operation
- Know how to use different software programs to determine crop nutrient recommendations
- Be able to run software for planning field-based manure applications and in the case of the Access-based computer program, make field-based fertilizer applications
- Have an understanding of the plan documentation or reports that will be generated from the different software tools

**Instructors:** David Wall, MPCA  
Kevin Blanchet, University of Minnesota Extension Service

**Prerequisites:** A thorough understanding of manure management planning is required for this course (MMP III or equivalent).

**To register:** <http://www.manure.umn.edu/workshops>  
or call 1-800-646-2282

## Course Agenda

### MMP III, Software for Manure Management Planning

#### **Morning 8:30-11:50**

Intensive hands on training and using the MPCA spreadsheet program for completing manure management plans. The training will include exercises on inputting data and exporting results. Participants will spend much of their time working with the software doing examples and comparing results.

#### **Afternoon 1:00 – 4:30**

Intensive hands-on training using the ACCESS based manure management planning tool “Nutrient Management Planner for Minnesota”. Instructors will provide detailed intensive training on data input requirements, navigating the software and printing reports. Participants will spend much of their time working with the software doing examples and comparing results.

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