

# Agenda

## Day 1 8:30 am - 3:30 pm

### Topics Covered:

- Data Management
- Software Selection and Management
- Importing Data and Making Maps
- Displaying and Interpreting Yield Data

## Day 2 8:30 am - 3:30 pm

### Topics Covered:

- Working with Yield Data
  - Yield Monitor Calibration
  - Managing for Error
- Soil Sampling and Analysis
- Making Fertility Recommendations
- Working with Other Data Sources
- Field Management Zones

## Day 3 8:30 am - 3:30 pm

### Topics Covered:

- Managing Multiple Years of Data
- Profit Mapping
- Environmental Planning
- Variable Rate Application Maps
- GPS Selection
- Auto-Guidance and Navigation Systems
- On-Farm Research Techniques



# What You Will Take Home

- How to manage and use data for map creation for yields, soils, fertility, variable rate applications, and other data sources.
- Knowledge of what GPS equipment, GIS and mapping software and services are needed for specific applications
- Ability to sort out field spatial variability
- Develop field management zones and working with multiple years of data
- Create profit maps to assess field productivity levels
- Field record keeping techniques for effective data collection
- Ability to create maps for reports and planning
- Strategies for on-farm research techniques to see cause and effect relationship between farm practices and precision agriculture technologies.
- Strategies for environmental stewardship and techniques for effective conservation program implementation.

### For more information contact:

Nathan Watermeier  
Program Director  
Agriculture and Natural Resources  
OSU Extension  
26 Agricultural Administration Bldg.  
2120 Fyffe Road  
Columbus, OH 43210  
(614) 688-3442  
watermeier.2@osu.edu  
<http://precisionag.osu.edu/decisions>

# Workshop Format

This workshop is built around “Best Management Technologies” that can be used for crop production management.

Come and learn about how to integrate tools such as GPS, GIS, yield monitors, soil sampling, variable rate technologies, and sensor information for use in making management decisions.

The GIS workshop portion will include hands-on computer exercises. The workshop exercises will use AgLeader’s SMS software as an example. A workshop binder and CD will contain resources and software for attendees to take home. The class is taught one day a week for a 3-week period. When you register you are registering for 3 days of classes.

***Class size is limited to 19 people at each location. Registration is on a first-come first-serve basis so register early!***

### Who Should Participate?

This workshop is designed for those who have no to limited experience using precision agriculture technologies. It is designed for agricultural producers, consultants, and cooperatives.

CCA CEU credits applied for

This program has been made possible by collaborative efforts involving the Ohio Geospatial Extension Program, OSU Extension Agriculture and Natural Resources, and The Ohio State University Precision Agriculture Team.