Cornell Cooperative Extension | Seneca County

Precision Agriculture Series

Friday, February 7
Tuesday, March 3
Friday, April 3

1 PM—3 PM

Ovid Fire Hall
2136 Brown Street
Ovid, NY 14521

Sessions are FREE—registration is still required.

Interested in learning more about how Precision Agriculture can be implemented on your farm?

Precision Agriculture (Introduction)

- Why should producers be interested in precision agriculture?
- Goals, Key Factors, Information, Technology, Management

Components of Precision Agriculture Equipment

- Key components, equipment, computer/controllers, sensors, GIS, GPS, remote sensing, satellite imagery, UAV's

Agricultural management philosophy (PA perspective)

- What is zone management?
- Best management practices
- Soil and Tillage Management

Precision soil sampling vs. grid sampling

Soil electrical conductivity (EC) and ways to measure it

- Soil EC: Veris vs. EM38, EC vs. soil texture, and EC vs. Yield Maps

Site specific management /variable rate applications

- Variable depth tillage control, variable seeding rate, automatic section control, variable rate irrigation, and variable irrigation based on soil texture
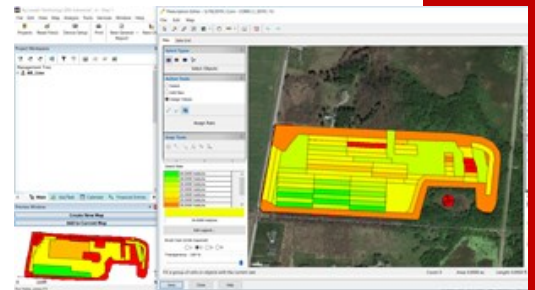
Map Principles

- Why is map-making important?
- Yield maps vs. prescription maps
- Importance of yield monitors, yield monitoring components, calibration and factors that effect on it.

Introduction to NDVI

- Characteristic of NDVI values
- NDVI estimation and photo analysis

Economics of using precision agriculture
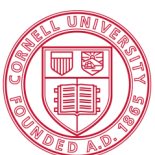
Preferred methodology and benefits, evaluation

Brought to you by:

Ali Nafchi, Ph.D.
Precision Ag. Specialist,
Cornell University
Cooperative Extension,
Western New York

Registration is required. Register online at: www.senecacountycce.org.

If you are unable to access the internet, please **call CCE Seneca at 315-539-9251.**