Cornell Cooperative Extension | Genesee County

Precision Agriculture Series

Thursday, February 20
Friday, March 6
Friday, March 27

10:00AM - NOON

CCE Genesee
420 East Main Street
Batavia, NY 14020

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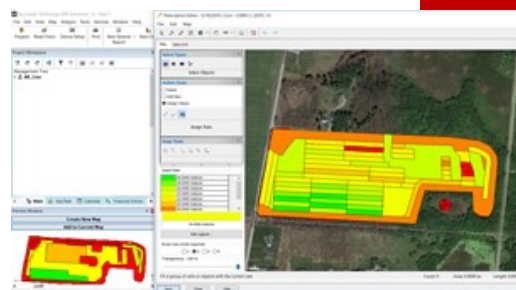
Map Principles
- Why is map-making important?
- Yield maps vs. prescription maps
- Importance of yield monitors, yield monitoring components, calibration and factors that effect on it.

Introduction to NDVI
- Characteristic of NDVI values
- NDVI estimation and photo analysis

Economics of using precision agriculture
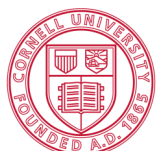**Preferred methodology and benefits, evaluation**

Brought to you by:

Ali Nafchi, Ph.D. Precision Ag. Specialist, NWNY Dairy, Livestock & Field Crops Team and the Cornell Vegetable Program

Registration is required. Register online at: **https://nwnyteam.cce.cornell.edu/events.php**

To Register by phone, call Brandie at: 585-343-3040 x138