Learn what precision agriculture entails, the economics of using precision ag, and the preferred methodology and benefits. This free, 3-day event series will be presented by Dr. Ali Nafchi, Precision Ag Specialist of the CCE Cornell Vegetable Program and the CCE NWNY Dairy, Livestock, and Field Crops team. Topics for each day will be determined by the audience interests and questions. Pre-registration is required. See location listing for details.

Introduction to Precision Agriculture
- 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

Soil electrical conductivity (EC) and ways to measure it

Precision soil sampling vs. grid sampling
- Soil EC: Veris vs. EM38, EC vs. soil texture, and EC vs. yield map

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

ERIE COUNTY
CCE Erie County, Dard Hunter Hall, 2nd floor
21 S Grove St, East Aurora, NY 14052
Wednesday, February 19
Wednesday, March 4
Wednesday, March 25
1:00 - 3:00 PM
To register: 716-652-5400 x176

GENESEE COUNTY
CCE Genesee County, Boyce Board Room
20 E Main St, Batavia, NY 14020
Thursday, February 20
Friday, March 6
Friday, March 27
10:00 AM - 12:00 PM
To register: 585-343-3040 x138

NIAGARA COUNTY
CCE Niagara County
4487 Lake Ave, Lockport, NY 14094
Tuesday, February 4
Tuesday, February 18
Thursday, March 5
10:00 AM - 12:00 PM
To register: 716-433-8839

SENeca COUNTY
Ovid Fire Hall
2136 Brown St, Ovid, NY 14521
Friday, February 7
Tuesday, March 3
Friday, April 3
1:00 - 3:00 PM
Register online or call 315-539-9251

STEUBEN COUNTY
Steuben County Office Building Annex
Conference Rooms A-B
20 East Morris St, Bath, NY 14810
Thursday, February 6
Thursday, March 26
Thursday, April 9
1:00 - 3:00 PM
To register: 607-664-2300

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