

# SPEAKERS

*Presentations by regional agriculture specialists from the Cornell Vegetable Program, Lake Ontario Fruit Team, and the NYS Agricultural Experiment Station.*



**DEBORAH BRETHER, Fruit Specialist (retired)**  
**CCE Lake Ontario Fruit Team**

Before officially retiring in 2016, Debbie worked for nearly 30 seasons contributing to research and extension of integrated pest management programs for fruit crops. She specializes in fire blight management, managing codling moth and oriental fruit moth, and, in recent years, weed management.



**CHRISTY HOEPTING, Vegetable Specialist**  
**CCE Cornell Vegetable Program**

Since joining the Cornell Vegetable Program in 2001, Christy has led the team's on-farm research in onions, cabbage, and broccoli. Among her many research projects in onions, Christy is studying weed management control strategies with herbicides and management of leaf diseases.



**ANDREW LANDERS, Sr Extension Associate**  
**NYS Agricultural Experiment Station, Geneva**

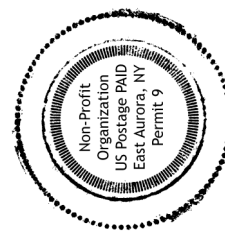
Andrew leads the technology group to improve pesticide application in NYS. His research focuses on developing methods to improve deposition within the canopy and reduce off-target drift: factors affecting airflow, speed and direction within the canopy, new methods to apply pesticides precisely (use of GPS, GIS, RFID, etc.) and improve traceability and management of sprayers.



**DARCY TELENKO, Vegetable Specialist**  
**CCE Cornell Vegetable Program**

Darcy has much experience in scouting, applied research and interpreting the results for growers. She is a fresh market specialist with much knowledge in weed control strategies and other vegetable production concerns. In 2016, Darcy oversaw the Cornell weed management trials at Freeville and Portland.

fruit and vegetable  
**WEED MANAGEMENT**  
**WORKSHOP**  
March 23, 2017 | 8:00 AM - 3:30 PM  
CCE Orleans County, 12690 Route 31, Albion, NY 14411



**Cornell University**  
**Cooperative Extension**  
**Erie County**  
21 South Grove Street  
East Aurora, NY 14052  
RETURN SERVICE REQUESTED



# WEED MANAGEMENT WORKSHOP

An in-depth look at vegetable, tree fruit, and berry weed management strategies

March 23, 2017 | 8:00 AM - 3:30 PM | CCE Orleans County, 12690 Rt 31, Albion, NY



6.25 DEC CREDITS  
and  
CCA CREDITS  
AVAILABLE

**Basic Weed Biology and Where Weeds Come From** – Darcy Telenko, CCE Cornell Vegetable Program

**Tools and Resources to Identify Weeds** – Deborah Breth, CCE Lake Ontario Fruit Team

**Management Strategies for Different Weed Types (perennials/grasses/annuals)**

- Perennial broadleaves – Deborah Breth will describe characteristics and highlight management strategies for each: Bindweed, Canada thistle, sowthistles, Japanese knotweed, horsenettle, toadflax, goldenrod/fleabane dock - curly and broadleaf, dandelion, clover
- Grasses/sedge – Christy Hoepting will describe characteristics and highlight management strategies for grasses and sedges: Yellow nutsedge, quackgrass, foxtails, tall fescue, barnyard grass, crabgrass
- Annual broadleaves – Darcy Telenko will describe specific annual weeds that are problems and highlight management strategies: Prostrate knotweed, ragweed, galinsoga, common groundsel, wild buckwheat, horseweed/marestail, deadnettle, bittercress, jimsonweed, nightshades, burcucumber, mugwort, velvetleaf, purslane, mustards

**Intro to Herbicides, and Herbicide Labels** – Christy Hoepting, CCE Cornell Vegetable Program

Hoepting will review various herbicide labels printing out specific areas that are important to review before using herbicides including water conditioners, effect of soil type on rates, spray volumes required, crop rotation restrictions, herbicide coverage requirements (weed residue management), etc. Examples of herbicide types reviewed include foliar systemic, foliar contact, selective herbicide for grasses vs. broadleaves, and soil applied residual herbicides.

**Effective Use of Herbicides** – Darcy Telenko, CCE Cornell Vegetable Program

Telenko will describe concepts of weed thresholds for specific crops relative to crop stage of growth, the stage of growth of the weed to target with control strategy, mechanism of action of herbicides, herbicide resistance management.

**Sprayer Technology: Many Ways to Hit the Target** – Andrew Landers, Cornell University

**Safety Requirements for Application of Herbicides** – Deborah Breth, CCE Lake Ontario Fruit Team

**Open Discussion: Can we solve your weed problem?**

## REGISTER

ONLINE at [LOF.CCE.CORNELL.EDU/EVENTS.PHP](http://LOF.CCE.CORNELL.EDU/EVENTS.PHP) or MAIL using the form to the right.

**COST: \$75 per person. \$25 per copy of the Weeds of Northeast Handbook.**

Register by MARCH 17 if you would like a copy of the Weeds Handbook, or by MARCH 20 if you do not need the Handbook. Lunch will be provided for those that register by MARCH 20.



For DEC credit, bring your DEC card and sign-in at the registration desk within the first 5 minutes of the first presentation, then the roster will be closed. You must attend the entire meeting to receive credit. The rosters will be turned into the DEC for credit.

For more information, call Kim Hazel at 585-798-4265 x26. Cornell Cooperative Extension is an employer and educator recognized for valuing AA/EEO, Protected Veterans, and Individuals with Disabilities and provides equal program and employment opportunities.



## IN-DEPTH WORKSHOP ON WEED MANAGEMENT IN FRUIT AND VEGETABLES

Name(s) \_\_\_\_\_ = \$ \_\_\_\_\_ # attending

Farm/Business Name \_\_\_\_\_

Street Address \_\_\_\_\_ = \$ \_\_\_\_\_

City, State Zip \_\_\_\_\_ # copies of Handbook

Phone \_\_\_\_\_

Email \_\_\_\_\_

TOTAL DUE \$ \_\_\_\_\_

Make checks payable to: **CCE-LOF**

Detach and return this form with payment to:

CCE Lake Ontario Fruit Team, Attn: Kim Hazel, 12690 Rt 31, Albion, NY 14411



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