



Fresh Market Vegetable WEED MANAGEMENT FIELD DAYS

June 22 and 23, 2015 | Batavia, NY

CULTIVATION OPTIONS FOR FRESH MARKET VEGETABLES

Monday, June 22, 2015

4:00 PM – 7:45 PM

Fenton's Produce LLC, 3323 Pratt Rd, Batavia, NY 14020

DEC and CCA credits will be available for portions of the day

- 4:00 PM** **Registration and Refreshments**
- 4:15 – 5:15** **Decision Making – what equipment do you need on your farm for effective weed management – DEC (1.0 credit) – Darcy Telenko and Elizabeth Buck**
- 5:30 – 6:30** **New Cultivation Equipment Demo – various equipment dealers**
- 6:45 – 7:45** **How to set-up – common equipment adjustments to effectively manage weeds – DEC (1.0 credit) – Darcy Telenko, Elizabeth Buck, and Wayne Hansen**
- 7:45 PM** **DEC/CCA Credit Pick-up/Visit Sponsors/Refreshments**

For DEC credit you will be required to sign-in with all your information at the registration desk. Credits will be made available at 7:45 following the final session.

Decision Making – What equipment do you need on your farm for effective weed management? – DEC (1.0 credit) – Darcy Telenko and Elizabeth Buck, Cornell Vegetable Program, Cornell Cooperative Extension, Cornell University

This session will talk about the different cultivation equipment available for vegetable production. Discussion will examine the best options for different crops and for weed species. Topics will include the importance of proper weed identification, importance of timing on reducing seed bank, and how weed biology dictates the tools that work. Educators will discuss the different components of the equipment and how they work to control weeds. This will lead to the live demonstration of some of the newest equipment by regional equipment dealers.

How to set-up – common equipment adjustments to effectively manage weeds – DEC (1.0 credit) – Darcy Telenko and Elizabeth Buck

This session will talk about equipment adjustments and proper timing for weed management. It will compare mechanical methods of killing cover crops and weeds and how mowing, rolling, roll-chopping, and undercutting differ on promoting rapid desiccation of weeds. We will discuss how the success of the cultivation method will depend, in part, on the species, growth stage of the weed and the environmental conditions. And determine when breaking, cutting, crushing, or crimping stems is the best options to effectively manage weeds and how to make sure your equipment is adjusted appropriately. Growers will be encouraged to ask questions and comment on their experiences.



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WEED MANAGEMENT FIELD DAYS: WEED MANAGEMENT IN VEGETABLE PRODUCTION

Tuesday, June 23, 2015

8:30 AM - 4:30 PM

Cornell Vegetable Program Weed Management Demonstration Site

Partridge's on the Farm Market, 4924 Ellicott St Rd (Route 63), Batavia, NY 14020

(1/2 mile south of Oatka Milk Plant)

3 DEC and CCA credits will be available for portions of the day

For DEC credit you will be required to sign-in with all your information at the registration desk and at each individual session within the first 5 minutes to receive credit for that session. Credits can be picked up at registration desk 15 minutes after each session or at the end of the day at 3:15.

On-Farm Demonstrations

8:30 – 9:00 AM	Registration, DEC/CCA sign-up, and Refreshments – CVP Team
9:00 – 9:15	Welcome – Darcy Telenko
9:15 – 10:00	First Rotation
10:15 – 11:00	Second Rotation
11:15 – 12:00	Third Rotation
12:00 – 1:15 PM	Industry Update – lunch and self-tour through sponsor booths
1:30 – 2:15	Tillage Demonstration
2:30 – 3:15	Fourth Rotation
3:15 – 4:15	DEC/CCA Credit Pick-up/Visit Sponsors
4:30 PM	Take-down

First and Second Rotation Choices

- Weed Management Between the Row – CCA (0.5)/DEC (.75) – Judson Reid and Robert Hadad
- Weed Identification and Biology – CCA (0.5)/DEC (.75) – Elizabeth Buck and Darcy Telenko

Third and Fourth Rotation Choices

- Essential Weed Management Equipment for the Beginning Farmer (guest speaker Allan Seigworth)
- Herbicide Options in Sweet Corn and Herbicide Injury Demo – CCA (0.5)/DEC (0.75) – Darcy Telenko
- Equipment Calibration – CCA (0.5)/DEC (0.75) – Megan Burley

Tillage Demonstration for Weed Management – CCA (0.5)/DEC (0.75) – Darcy Telenko

Table Displays

- Invasive Weeds – CCA (0.5) – Sharon Bachman
- Herbicide Resistance Management – CCA (0.5) – Darcy Telenko
- Soil Test
- CVP Team Display

Full descriptions of the sessions follow...



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Description of Sessions

First and Second Rotation Choices

Weed Management Between the Row – CCA/DEC (0.75) – *Judson Reid and Robert Hadad, Cornell Vegetable Program, Cornell Cooperative Extension, Cornell University*

This session will go over the various tools for managing weeds between the rows of vegetable crops. Two on-farm demonstration plots will showcase the various tools comparing no-weed control, herbicides, living mulches, and mechanical weed management across a diverse assortment of vegetables. The Extension educators, Judson Reid and Robert Hadad, will discuss the positive and negative of each of the tools and how they could be implemented in conventional and/or organic operations.

Weed Identification and Biology – CCA/DEC (0.75) – *Elizabeth Buck and Darcy Telenko, Cornell Vegetable Program, Cornell Cooperative Extension, Cornell University*

This session will introduce basic weed biology and identification and will differentiate between annual, biennial, and perennial weeds. Examples of seeds, seedlings, and mature plants will be presented. The importance of correct weed identification, creating a weed map, and reducing the seed bank will be covered. Growers will be encouraged to actively participate, ask questions and identify unknown weeds in this session.

Third and Fourth Rotation Choices

Essential Weed Management Equipment for the Beginning Farmer (guest speaker *Allan Seigworth*) – Not a DEC credit session.

Allen Seigworth, for 30 years, owned and operated Seigworth Farm Market in Brookville, Pennsylvania where he and his family sold a great variety of produce from their own production. He will lead a discussion and give his perspective on *Essential Weed Management Equipment for the Beginning Farmer*.

Herbicide Options in Sweet Corn and Herbicide Injury Demo – CCA/DEC (0.75) – *Darcy Telenko*

This session will talk about a number of the current sweet corn herbicide programs and look at the treatments in sweet corn plots to evaluate their effectiveness in controlling weeds. The major herbicide programs, organic, and mechanical options will be discussed. Topics will also include how to scout after herbicide application to confirm usefulness. In addition, a demonstration of herbicide injury will be on display to show typical symptoms of drift on non-target crops. Growers will be encouraged to actively participate, and ask questions about the proper use of herbicides in vegetables.

Equipment Calibration – CCA/DEC (0.75) – *Megan Burley, Cornell Cooperative Extension Erie County*

This session will go over the process of calibrating your pesticide equipment. Equipment for applying wet or dry materials must be accurately calibrated for pesticides to work effectively. Proper calibration of the pesticide equipment ensures the applicator will apply the correct amount of product by following the instructions listed on the pesticide label (reducing the risk of unneeded over application). Terms used in calibration will be defined and demonstrations will show how to run a field calibration tests on various pesticide equipment.

Tillage Demonstration for Weed Management – CCA/DEC (0.75) – *Darcy Telenko*

This session will compare conventional and zone-tillage in sweet corn and pumpkins on weed management and soil health. The peculiarities in regards to weed management for each tillage system will be discussed including planning effective weed management programs within each tillage system. Growers will be able to view the different tillage equipment, look at the economics of utilizing each system, and ask questions.

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