

## Directions

**From Route 84:** Exit 3 West onto 17M, at 2nd traffic light make left onto County Route 78 (Quick Chek is on the corner). Stay on County Route 78 through 2 lights to entrance to Community Campus on the right.

\*Make right onto campus at Egerton Ave., left onto Dorothea Dix Drive, then first right onto Ashley Avenue. Follow road until it comes to a "T" - make left onto Seward Avenue. Drive approximately 500 ft. and turn left into parking lot for 18 Seward Ave. (You will see Cornell Cooperative Extension Orange County listed on the sign. Enter through front door; use elevator or stairs to our offices on the third floor.)

**From Route 17W:** Exit 123 onto 17M for 5.7 miles, left onto County Route 78 (Quick Chek is on the corner). Stay on County Route 78 through 2 lights to entrance to Community Campus on the right.  
\*See above.

**From Route 17E:** Exit 120 to Route 211 West. Go 2.9 miles and turn right onto Monhagen Avenue. Follow directions from Route 211 (see below).

**From Route 211 West:** Turn right at light onto Monhagen Avenue (continuation of Route 211 West). Make 3rd left-hand turn onto Community Campus (Gino's Deli is on the right). Bear right onto Seward Avenue and make immediate right turn into parking lot for 18 Seward Ave. (You will see Cornell Cooperative Extension Orange County listed on the sign. Enter through front door; use elevator or stairs to our offices on the third floor.)

Cornell University Cooperative Extension provides equal program and employment opportunities.  
Please contact our office if you have any special needs.



Cornell University  
Cooperative Extension  
Orange County

18 Seward Ave., Suite 300, Middletown, NY 10940-1919

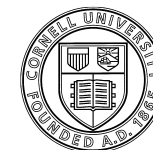
Cornell Cooperative Extension Hudson Valley presents

# 2012 Hudson Valley Nursery, Greenhouse and Vegetable Production Workshop



## Thursday February 9, 2012

Cornell Cooperative Extension Orange County  
18 Seward Ave., Third Floor, Middletown, NY



Cornell University  
Cooperative Extension  
Hudson Valley

845-344-1234 [www.cce.cornell.edu/orange](http://www.cce.cornell.edu/orange)

## 2012 Nursery & Greenhouse Growers School

Thurs., Feb. 9., 2012. 9:00 AM ~ 4:00 PM

Name

Farm Name

Mailing Address

City

County

State

Zip

Daytime Phone Number

E-mail

**Yes / NO (Please circle one)** Cornell Cooperative Extension is granted permission to use and/or publish my photograph or image (including audio, film, digital image or any other media) for educational programs, websites or promotion of Extension programs.

### Return form and fee to:

Cornell Cooperative Extension Orange County  
18 Seward Ave., Ste. 300, Middletown, NY 10940-1919  
Attn: Nursery & Greenhouse Growers School

Please indicate number attending (lunch included in all options):

\_\_\_\_\_ AM SESSION only: \$45/person if paid by 2/1/12  
\$55 per person after 2/1/12

\_\_\_\_\_ PM SESSION only: \$45/person if paid by 2/1/12  
\$55 per person after 2/1/12

\_\_\_\_\_ **Save!** Whole day: \$75/person if paid by 2/1/12  
\$95 per person after 2/1/12

\_\_\_\_\_ Total amount enclosed

Make checks payable to: Cornell Coop. Extension OC

\_\_\_ MasterCard \_\_\_ Visa \_\_\_ Disc. . \_\_\_ Exp. Date (mo./yr.)

Credit Card Number

Signature



Cornell Cooperative Extension Hudson Valley presents

# 2012 Hudson Valley Nursery, Greenhouse and Vegetable Production Workshop

Thursday, February 9, 2012. 9:00 AM ~ 4:15 PM

Cornell Cooperative Extension Orange County

18 Seward Ave., 3<sup>RD</sup> Flr, Middletown, NY 10940-1919

## PROGRAM:

### General Sessions

8:30 AM Registrations, sign up for AM SESSION credits, and continental breakfast

9:00 **Hot Diseases Of Perennials and other Nursery/Greenhouse Plants**  
Margery Daughtrey, *Cornell University*

10:00 Break

10:15 **Insect Pests of Perennials and Other Nursery/Greenhouse Plants**  
Dan Gilrein, *Cornell University*

11:15 **Plant Fertility Discussion with Focus on Nutrient Deficiencies/Toxicities**  
Neil Mattson, *Cornell University*

11:45 **Biocontrol Update and IPM Resources**  
Betsy Lamb, *Cornell University IPM Program*

12:15 PM Lunch, evaluations and distribution of AM SESSION credits

Pesticide Recertification Credits pending NYS DEC approval.

Registration fee (lunch is included in all options):  
Either AM or PM SESSION: \$45 per person, if received by February 1, 2012 (\$55 thereafter - including by phone).  
Entire Day: \$75 per person, if received by February 1, 2012 (\$95 thereafter - including by phone).  
At the door subject to availability. No refunds, substitutions are allowed. For more information, call  
Rose Baglia: 845-344-1234 or email [rsb22@cornell.edu](mailto:rsb22@cornell.edu)  
or Teresa Rusinek: 845-340-3990 or [tr28@cornell.edu](mailto:tr28@cornell.edu)  
For snow closing call: 845-344-1234

### Exploring Controlled Environment Agriculture (CEA) and soil-less vegetable production

12:15 PM Lunch and sign up for PM SESSION credits

1:00 **Introduction to the Cornell CEA Center Resources and Expertise**  
Melissa Brechner, *Cornell University*

You'll learn who we are and what we do. Melissa will cover required plant and lighting basics, units of measurement, supplemental lighting types.

1:45 **IPM in CEA: Managing Pests in Controlled Environment Vegetable Production**  
Betsy Lamb, *Cornell University IPM Program*

Pest management under controlled environments requires knowing what tools you have available and how best to use them. We'll cover some of the specific tools and potential problems in managing pests in hydroponic float systems and other types of controlled environment production.

2:30 Break

2:45 **H<sub>2</sub>O in CEA: Managing Water and Fertilizer in Soil-Less Vegetable Production**  
Neil Mattson, *Cornell University*

Water quality and fertilizer management are key to establishing healthy, vigorous plants in hydroponic production. Learn what you need to test and how often to do it. Neil will also cover some common fertilizer recipes for hydroponic production.

3:30 **Plant Environment, Practical Concepts and Tools You Can Use**  
Melissa Brechner, *Cornell University*

Two case studies in supplemental lighting for tomato and lettuce commercial scale production. Find out how to estimate heating and lighting costs.

4:15 Evaluations and distribution of PM SESSION credits