

NEVVF

New England Vegetable & Fruit

CONFERENCE '09

sponsored by the
Cooperative
Extension
Systems of:



Universities of Connecticut,
Maine, Massachusetts, New Hampshire,
Rhode Island, Vermont,
Cornell University,
Connecticut Agricultural Experiment Station

and

New England Vegetable &
Berry Growers'
and
Massachusetts Fruit Growers'
Association

December 15, 16, 17, 2009
Radisson Hotel Manchester

MANCHESTER, NEW HAMPSHIRE

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Greetings and Salutations

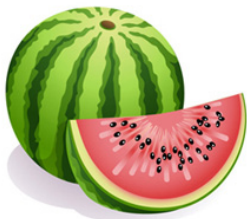
Welcome to the 16th New England Vegetable and Fruit Conference and Trade Show. This meeting takes place every other year in December, and includes 30 educational sessions over 3 days. Topics include major vegetable, berry and tree fruit crops, and much more. Farmer-to-Farmer meetings throughout the conference allow you to discuss specific issues in more detail. There is also an extensive Trade Show with over 100 exhibitors. We hope that you will enjoy your time here, and meet with fellow growers, advisors, researchers and industry representatives. We want you to leave with new ideas and information that will have a positive impact on your farm.

This conference is special because it is put together with close collaboration between growers and Extension from across the region. The steering committee gathers the best speakers from within our region and across the country to tell you about the latest innovations and advances in vegetable and fruit production. Almost every session includes both farmers and research or extension personnel, so you are getting the “best of both worlds.”

The New England Vegetable and Fruit Extension team also collaborates to conduct research, hold other educational programs, and to create resources for the benefit of growers. These include the New England Vegetable Management Guide, the Small Fruit Pest Management Guide, and the New England Tree Fruit Management Guide which are published every other year. For more information about New England Vegetable and Fruit Extension Programs contact your state Extension offices.

Our sponsors invite you to visit the Trade Show during the conference. We invite businesses and organizations to exhibit at the Trade Show for the purpose of providing information to the participants. While we make responsible efforts to assure the integrity of the exhibitors, the conference sponsors do not guarantee or warranty any product exhibited; neither do the sponsors imply approval of or endorse any product to the exclusion of others that may be available.

We value your feedback! We use your comments and suggestions to plan the next program. Please fill out an evaluation form before you leave!



www.newenglandvfc.org

2009 New England Vegetable and Fruit Conference and Trade Show

General Chair

Jon Clements

Program

Becky Sideman

Publicity

Frank Mangan

Registration

Jude Boucher

Treasurer and Trade Show Manager

John Howell

Local Arrangements

Amy Ouellette

Pesticide Recertification

George Hamilton

Proceedings

Barbara Murphy

CCA/CEU Recertification

Mark Hutchinson

Secretary

David Handley

Farmer-to-Farmer

Sandy Arnold

A.V. Equipment

Faye Cragin

Evaluations

Vern Grubinger

Travel

Rich Bonanno

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Mark Hutton

Kristen Castrataro

Rob Johanson

Martin Gent

Pat McNiff

Duane Greene

John Mishanec

Paul Gove

Ken Nicewicz

Chip Hardy

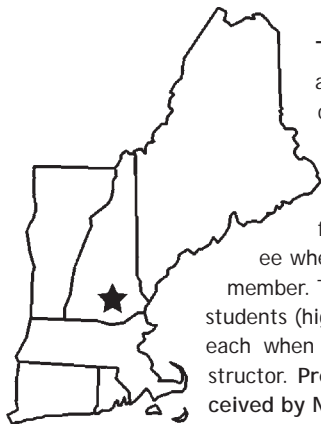
Sonia Schloemann

Ruth Hazzard

Eric Sideman

Chris Hillier

Mo Tougas



Registration

The pre-registration fee to attend any part or all of the conference or trade show is \$90 for the first member of the farm or business and \$60 for each additional family member or employee when pre-registered with first member. The pre-registration fee for students (high school or college) is \$40 each when pre-registered by the instructor. Pre-registration must be received by November 30, 2009. There is an additional fee of \$10 per person

for late registration or walk-ins. Please bring your checkbook or cash if registering at the door - sorry, no credit cards accepted. There is an ATM machine available in the hotel.

Travel to the Conference

Location: Manchester is in the center of New Hampshire, located on US routes 3, I-93 and I-293, and state route 101. It is served by Manchester-Boston Regional Airport.

Hotel Accommodations

The conference host hotel is the Radisson Hotel Manchester. Conference attendees are responsible for making their own arrangements for lodging. Rooms have been set aside at special conference rates at both the host hotel and at the Hilton Garden Inn. We encourage you to reserve early, because rooms typically sell out. Hotel reservation and parking information can be found in this brochure.

Hotel Information

Radisson Hotel Manchester
700 Elm Street, Manchester, NH
1-603-625-1000

www.radisson.com/manchesternh

A limited number of rooms are reserved for conference attendees. The conference rate is \$102 per night plus tax and parking. NEVF09 is the PAC code that should be used when making reservations on-line or mention you're going to the New England Vegetable & Fruit Conference when making reservations by phone.

Hilton Garden Inn
101 South Commercial Street, Manchester, NH
1-603-669-2222

www.hiltongardeninn.com

A limited number of rooms are reserved for conference attendees. The conference rate is \$119 per night plus 8% tax. Mention "vegetable conference" to get this rate.

Parking

Limited parking is available at the host hotel parking garage next to the Radisson hotel.

Other parking options:

Hampshire Plaza Parking Garage

2 Plaza Drive, Manchester, NH, 03101

Victory Park Public Garage

25 Vine Street, Manchester, NH, 03101

Pesticide Education Credits

Certified pesticide applicators from New England are eligible to receive recertification credit. Growers from New York are NOT eligible to receive pesticide recertification credits. Pick up a form during registration and complete the information on the top portion. Be sure to have your certification number with you. This form is to be used for the entire conference. To get credit for a session, you must attend the entire session and forms must be signed by the Session Moderator at the end of the session. Turn in both the pink and yellow copies of the form at the registration desk when you leave the conference and keep the white copy for your records.

Certified Crop Advisor: Continuing Education Units

Certified Crop Advisors who attend certain sessions are eligible to receive Continuing Education Units. A sign in/out sheet will be available for each session in the room. CCA members must SIGN IN at the beginning of each session and SIGN OUT at the end of the session. You must attend the entire session to receive credit. Be sure to include your CCA membership number.

NEVBGA

The New England Vegetable & Berry Growers' Association (NEVBGA) is the oldest vegetable growers association in America. We support and promote the vegetable and berry industry in New England. You are invited to become a member. This winter, the NEVBGA will hold educational meetings on Saturday, January 9, 2010 in Chicopee, MA; and on Saturday, February 6, 2010, in Waltham, MA. The Association publishes a newsletter three times a year and provides bulletins and magazines deemed important to its members. Members of the NEVBGA will be present at an exhibit at the Trade Show. You are encouraged to talk with them about the Association.

Lunch

Each day of the conference, a sandwich bar will be set up in the foyer outside the Trade Show exhibition hall. Restaurants are available in and near the hotel.

Pre-Conference GAP Workshop

On Monday afternoon, December 14, a special pre-conference workshop will be held from 1pm-5:30pm. This training will provide an introduction to the USDA Good Agricultural Practices (GAP) program. GAP certification is verification of practices on the farm to minimize microbial contamination in the production of fresh fruits and vegetables, and it is now required by some wholesale buyers. In this training, you will learn about the USDA third-party audit process and how to prepare a farm GAP plan. You will also receive a manual filled with GAP resources and a CD loaded with templates that will be useful in helping you keep the records you need to verify your GAP plan.

Registration for the GAP workshop is separate from registration for the conference. There will be a registration fee for each set of educational materials needed; participants that do not need educational materials will be able to register at a reduced rate. To register or for additional information, please contact Shirley Mietlicki-Floyd at 413-545-4420 or mietlicki@umext.umass.edu. For questions regarding the program, contact Rich Bonanno at 978-361-5650 or rbonanno@umext.umass.edu or Becky Sideman at 603-862-3203 or becky.grube@unh.edu.

Social Mixer and Awards Program

On Tuesday evening, the Trade Show is sponsoring a social from 4:30 to 6 pm. Light hors d'oeuvres and non-alcoholic beverages will be provided. On Wednesday evening, the Conference is sponsoring a social mixer and awards ceremony from 6 to 7:30 pm with cash bar and light hors-d'oeuvres. The purpose of this event is to bring everyone together including guests from various state Departments of Agriculture and the New England Land Grant Universities. There will be a short speaking program that will include a brief awards program for the New England Vegetable Berry Growers Association to honor two outstanding contributors for local agriculture. The cost of this event is covered by the Conference and Industry supporters of local agriculture. All are invited to this free event. Dinner will be on your own. A list of local dining options will be available at registration.



Farmer-to-Farmer Sessions and Other Events

Monday, December 14

1:00 - 5:30 pm **GOOD AGRICULTURAL PRACTICES (GAP) TRAINING**
Location: FROST/HAWTHORNE (UPSTAIRS)

Tuesday, December 15

8:00 am - 2:00 pm **TRADE SHOW**

10:30 am - noon **NEW ENGLAND APPLE COUNCIL ANNUAL MEETING**
Location: TBD

12:45 - 1:45 pm **FARMER-TO-FARMER SESSIONS WINTER GREENS PRODUCTION**
Location: SALON A

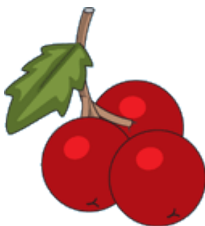
SUCCESS WITH SARE FARMER GRANTS
Location: CURRIERS

4:00 - 6:00 pm **TRADE SHOW**

4:30 - 6:00 pm **TRADE SHOW SOCIAL**
Location: TRADE SHOW ROOM

4:45 - 5:45 pm **FARMER-TO-FARMER SESSIONS DIVERSE CROPS IN HIGH TUNNELS**
Location: SALON A

LEARNING WITH NEW FARMERS
Location: CURRIERS



Wednesday, December 16

8:00am - 2:00 pm **TRADE SHOW**

12:45 -1:45 pm **FARMER-TO-FARMER SESSIONS**
GROWING GREAT STRAWBERRIES
Location: SALON A

CUT FLOWERS
Location: CURRIERS

4:00 - 6:00 pm **TRADE SHOW**

4:45 -5:45 pm **FARMER-TO-FARMER SESSIONS**
STEEL (EQUIPMENT) FOR WEED CONTROL
Location: SALON A

DISEASE MANAGEMENT
Location: CURRIERS

ASK THE GROWERS ABOUT DEEP ZONE TILLAGE
Location: FROST/HAWTHORNE (UPSTAIRS)

6:00 - 7:30 pm **SOCIAL MIXER AND AWARDS CEREMONY**
Location: SALON A

Thursday, December 17

8:00am - 2:00 pm **TRADE SHOW**

12:45 -1:45 pm **FARMER-TO-FARMER SESSIONS**
GRAPES & FARM WINERIES
Location: SALON A

SEED SELECTION, VARIETIES & SAVING SEEDS
Location: CURRIERS

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Tuesday, December 15
Trade Show, 8am-2pm & 4pm-6pm

Morning Program
9:30 - 12:00 5 Concurrent Sessions

Strawberry I - basics

LOCATION: SALON BCD

Moderator: **DAVID HANDLEY**

Pesticide credits: 2.5, CCA credits: 1.0 crop, .5 pest

- 9:30 Matted row strawberries: the basics**
David Handley, University of Maine
- 10:30 Day neutral strawberries: off season opportunities**
David Handley, University of Maine
- 11:00 Insect management**
Alan Eaton, University of New Hampshire
- 11:30 Disease management**
David Handley, University of Maine

Pumpkins

LOCATION: SALON A

Moderator: **MARK HUTTON**

Pesticide credits: 1.5, CCA credits: 1.0 crop

- 9:30 How we grow certified organic pumpkins & winter squash**
Howard Prussak, High Meadows Farm, Westminster VT
- 10:00 Pumpkin varieties: what's new & what's coming**
Brent Loy, University of New Hampshire
- 10:30 Can punkin' chuckin' increase your sales?**
Steve Siegars, Yankee Farmer, Greenfield NH
- 11:00 Sales trends and new pumpkins from Johnny's Selected Seeds**
Chris Hillier, Johnny's Selected Seeds
- 11:30 How to grow pumpkins with zone tillage**
George Ayres, Fresh Ayr Farm, Shortsville NY

Minor Crops

LOCATION: FROST AND HAWTHORNE (UPSTAIRS)

Moderator: **BARBARA MURPHY**

Pesticide credits: 1.5

- 9:30 How we grow season long carrots**
Mark Guzzi, Peacemeal Farm, Dixmont ME

- 10:00 Onions in the northland**
Jason Kafka, Checkerberry Farm, Parkman ME
- 10:30 Growing asparagus, not by the book**
Geo Honigford, Hurricane Flats Farm, So. Royalton VT
- 11:00 Never enough garlic**
Jason Kafka, Checkerberry Farm, Parkman ME
- 11:30 Speaking of leeks**
Cliff Hatch, Upingill Farm, Gill MA

Year-Round Growing & Marketing

LOCATION: ARMORY

Moderator: SANDY ARNOLD & CHUCK BORNT

Pesticide credits: 1.5

- 9:30 High tunnel construction & internal environmental/pest management**
Adam Montri, Ten Hens Farm/MSU Student Organic Farm, East Lansing MI
- 10:00 The ABC's of inground heating and alternative fuels**
John Bartok, University of Connecticut
- 10:30 Profitable winter greens in ground-heated tunnels**
Seth Jacobs, Slack Hollow Farm, Argyle NY
- 11:00 Marketing year-round with rowcovers & moveable tunnels**
Skip Paul, Wishing Stone Farm, Little Compton RI
- 11:30 Year-round, horse powered membership with full diet, free choice**
Mark & Kristin Kimball, Essex Farm, Essex NY

Crunching Numbers

Location: CURRIERS

Moderator: VERN GRUBINGER

- 9:30 Tracking sales and per-acre profits for farmers' market**
Paul Arnold, Pleasant Valley Farm, Argyle NY
- 10:00 Using Quickbooks to monitor returns of crops and markets**
Jane Sorenson, River Berry Farm, Fairfax VT
- 10:30 How do you know if you are making money?**
Mike Sciabarrasi, University of New Hampshire
- 11:00 Spreadsheets that makes sense for CSA recordkeeping**
Dan Kaplan, Brookfield Farm, Amherst MA
- 11:30 An economic study of 19 organic vegetable farms**
John Hendrickson, University of Wisconsin



Tuesday, December 15
Trade Show, 8am-2pm & 4pm-6pm

Afternoon Program
2:00 - 4:30 5 Concurrent Sessions



Pepper and Eggplant

Location: CURRIERS

Moderator: FRANK MANGAN

Pesticide credits: 1.5, CCA credits: 0.5 crop, 1.0 pest

- 2:00** **Pepper varieties for your markets: bells to habaneros and everything in between**
Frank Mangan, University of Massachusetts
- 2:30** **Grafting eggplant for Verticillium wilt management**
Michael Orzolek, Pennsylvania State University
- 3:00** **Management update of Phytophthora and other diseases in peppers and eggplants**
Rob Wick, University of Massachusetts
- 3:30** **Panel: How we grow and market peppers & eggplant**
Brian Reeves, Reeves Farm, Baldwinsville NY
Gideon Porth, Atlas Farm, S. Deerfield MA
Pooh Sprague, Edgewater Farm, Plainfield NH

So You Want to Farm - Five Farmers Share their Beginnings

Location: FROST/HAWTHORNE (UPSTAIRS)

Moderator: KRISTEN CASTRATARO

- 2:00** **The first year . . .**
Kristen Wilmer, Florence MA
- 2:30** **CSA start-up**
Marcy O'Connell, Holland Farm CSA, Milford NH
- 3:00** **The incubator farm experience**
Pat McNiff, Casey Farm, Saunderstown RI
- 3:30** **The farmers' market market**
Nate Drummond & Gabrielle Gosselin, Six River Farm, Bowdoinham ME
- 4:00** **Restaurants, direct**
Paulette Satur, Satur Farms, Cutchogue NY

Strawberry II - new ideas

Location: SALON BCD

Moderator: DAVID HANDLEY

Pesticide credits: 1.5, CCA credits: 1.5 crop, 0.5 pest

- 2:00 Weed management**
Rich Bonanno, University of Massachusetts
- 2:30 Growing in high tunnels: expanding our market**
Bob Gray, Four Corners Farm, So. Newbury VT
- 3:00 Runner management to boost efficiency**
Sonia Schloemann, University of Massachusetts
- 3:30 Strawberry varieties for today and tomorrow**
Nate Nourse, Nourse Farms, So. Deerfield MA
- 4:00 Variety performance in New England**
David Handley, University of Maine

Tree Fruit I

Location: SALON A

Moderator: DUANE GREENE

Pesticide credits: 1.5, CCA credits: 1.5 crop, 1.0 pest

- 2:00 What's new in IPM trapping of oriental fruit moth and dogwood borer in NH?**
Alan Eaton and George Hamilton, University of New Hampshire
- 2:30 MOPUP-The Massachusetts Orchard Production Upgrade Program and what we have learned about planting and managing tall-spindle orchards**
Jon Clements, University of Massachusetts
- 3:00 Organic apple production in eastern US - Pennsylvania perspective**
Greg Krawczyk, Pennsylvania State University
- 3:30 Whole farm approach to manage insect pests**
Greg Krawczyk, Pennsylvania State University
- 4:00 Harvest and storage practices to optimize and prevent losses of apples**
Rena Moran, University of Maine

Tunnel Innovations

Location: ARMORY

Moderator: SANDY ARNOLD & CHUCK BORNT

Pesticide credits: 1.5, CCA credits: 1.0 crop

- 2:00 A tour of tunnels of all types**
Vern Grubinger, University of Vermont
- 2:30 Growing diverse crops in walk-in caterpillar tunnels**
Ted Blomgren, Windflower Farm, Valley Falls NY
- 3:00 Profitable production in diverse types of tunnels**
Michael Kilpatrick, Kilpatrick Family Farm, Middle Granville, NY
- 3:30 Economics & marketing of winter high tunnel production**
Adam Montri, Ten Hens Farm/MSU Student Organic Farm, East Lansing MI
- 4:00 Plastics on tunnels for different seasons**
John Bartok, University of Connecticut

Wednesday, December 16
Trade Show, 8am-2pm & 4pm-6pm

Morning Program
9:30 - 12:00 5 Concurrent Sessions

Blueberry I

Location: ARMORY

Moderator: SONIA SCHLOEMANN

Pesticide credits: 2.0, CCA credits: 0.5 crop, 1.5 pest

- 9:30** **Integrated management of insect pests in blueberry**
Alan Eaton, University of New Hampshire
- 10:00** **Integrated blueberry disease management**
Frank Caruso, University of Massachusetts
- 10:30** **Integrated blueberry weed management principles and practices**
Rich Bonanno, University of Massachusetts
- 11:00** **Post harvest handling of blueberries - a grower's perspective**
Gene Kosinski, Kosinski Farm, Westfield MA
- 11:30** **Pollination issues in blueberry production**
Sonia Schloemann, University of Massachusetts



Efficiency on the Farm

Location: FROST/HAWTHORNE (UPSTAIRS)

Moderator: VERN GRUBINGER

CCA credits: 0.5 crop

- 9:30** **Optimizing harvest efficiency at Roxbury Farm**
Jean-Paul Courtens & Jody Bolluyt, Roxbury Farm, Kinderhook NY
- 10:00** **An efficient system for winter CSA crop storage**
Andy Jones, Intervale Community Farm, Burlington VT
- 10:30** **Increase the efficiency of your greenhouse(s)**
John Bartok, University of Connecticut
- 11:00** **Creating a culture for labor efficiency**
Dale Riggs, Stonewall Hill Farm, Stephentown NY
- 11:30** **Paper-pot system for transplanting efficiency**
John Hendrickson, Stone Circle Farm, Reeseville WI

Leafy Greens

Location: CURRIERS

Moderator: JOHN MISHANEC

Pesticide credits: 1.5

- 9:30 Growing for the high-end restaurant: what they want, and quality considerations.**
Jack Algiere, Stone Barns Center, Pocantico Hills NY
- 10:00 Leafy greens and good agriculture practices (GAP) - not as hard as you think**
Brian Reeves, Reeves Farms, Baldwinsville NY
- 10:30 Fertility to pest control - how we grow leafy greens on Long Island**
Bob Noland, Deer Run Farm, Brookhaven NY
- 11:00 Field finesse & marketing success - how refining your technique can improve your bottom line**
Paulette Satur, Satur Farms, Cutchogue NY
- 11:30 Leafy greens - our strategy for cover crops and rotation**
Jane and Bob Pomykala, Pomykala Farm, Grand Isle VT

Soil Health

Location: SALON BCD

Moderator: MARK HUTCHINSON

Pesticide credits: 1.5, CCA credits: 2.5 soil/water

- 9:30 Soil health and crop rotations**
Lauchlin Titus, Ag-Matters, Vassalboro ME
- 10:00 Reduced tillage impact on soil organisms**
Rob Johanson, Goranson Farm, Dresden ME
- 10:30 Measuring the impacts of farm practices on soil health**
Lisa Krall, USDA-NRCS CT
- 11:00 Compost: a way to diversify soil microbial populations**
Will Brinton, Woods End Laboratory, Mt. Vernon ME
- 11:30 Brassica cover crops and seed meals as soil biofumigants in vegetable crop production**
Dean Kopsell, University of Tennessee

Tree Fruit II

Location: SALON A

Moderator: DUANE GREENE

Pesticide credits: 2.0, CCA credits: 1.0 crop

- 9:30 Apple rootstocks, an update from the NC-140 research**
Wesley Autio, University of Massachusetts
- 10:00 New tools to manage insect pests**
Greg Krawczyk, Pennsylvania State University
- 10:30 The basics of cherry production**
Greg Lang, Michigan State University
- 11:30 IPM Heresies - What is true for you**
Glen Koehler, University of Maine

Wednesday, December 16
Trade Show, 8am-2pm & 4pm-6pm

Afternoon Programs
2:00 - 4:30 5 Concurrent Sessions

Blueberry II

Location: ARMORY

Moderator: SONIA SCHLOEMANN

Pesticide credits: 2.0, CCA credits: 0.5 crop, 1.5 pest

- 2:00** **Blueberry scorch update - what you need to know**
Peter Oudemans, Rutgers University
- 2:30** **Winter moth damage and management in blueberries**
Bob Childs, University of Massachusetts
- 3:00** **PYO blueberries - a grower's perspective**
Maurice Tougas, Tougas Family Farm, Northboro MA
- 3:30** **Blueberry varieties - what's new, what's tried and true**
Mike DeGrandchamp, DeGrandchamps Farm, So. Haven MI
- 4:00** **Blueberry pruning**
Laura McDermott, Cornell University

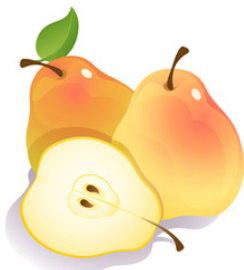
Grower Experiences with Deep Zone Tillage

Location: FROST/HAWTHORNE (UPSTAIRS)

Moderator: JUDE BOUCHER

Pesticide credits: 2.0, CCA credits: 0.5 soil/water

- 2:00** **Why deep zone-tillage/verticle-tillage?**
Jude Boucher, University of Connecticut
- 2:30** **Transitioning to deep zone-tillage**
Nelson Cecarelli, Cecarelli Farm, Northford CT
- 3:00** **Stabilizing profitability on our farm**
Tom Scott, Scott's Yankee Growers, East Lyme CT
- 3:30** **Zone-Tillage - 12 Years Later**
George Ayres, Fresh Ayr Farm, Shortsville NY
- 4:00** **Why we switched from conventional-till to strip-till**
Gary Sweet, Sweet's Gourmet Sweet Corn, No. Ridgeville OH



Organic Pest Management

Location: CURRIERS

Moderator: ERIC SIDEMAN

Pesticide credits: 2.5, CCA credits: 1.5 pest

- 2:00** **Managing weeds with crop rotation**
Eric Gallandt, University of Maine
- 2:30** **A whole-system approach to managing weeds**
Andy Jones, Intervale Community Farm, Burlington VT
- 3:00** **Efficacy of various biological and microbial insecticides - does that really work?**
Abby Seaman, Cornell University
- 3:30** **Efficacy of various biological and microbial fungicides - does that really work?**
Meg McGrath, Cornell University
- 4:00** **A whole-system approach to minimizing pests**
Jean-Paul Courtens & Jody Bolluyt, Roxbury Farm, Kinderhook NY

Sweet Corn

Location: SALON BCD

Moderator: JOHN MISHANEC

Pesticide credits: 1.0

- 2:00** **Adapting to the twenty-first century**
Gary Sweet, Sweet's Gourmet Sweet Corn, No Ridgeville OH
- 3:00** **Retail opportunities with sweet corn**
Ed Harbes, Harbes Family Farm, Mattituck NY
- 3:30** **Scheduling sweet corn plantings, the easy way**
Hank Bissell, Lewis Creek Farm, Starksboro VT
- 4:00** **Corn stars, highlighting the best varieties in each of the genetic classes**
Blake Meyers, Siegers Seed Co.

Tree Fruit III

Location: SALON A

Moderator: DUANE GREENE

Pesticide credits: 2.0, CCA credits: 1.0 crop, 1.0 pest

- 2:00** **IPM options evaluation tool: a new pesticide evaluation and selection tool for agriculture**
Amrita Batra, IPM Institute of North America
- 2:30** **The ABC of TRV- tree row volume is not rocket science**
Glenn Koelher, University of Maine
- 3:00** **High tunnel production of cherries**
Greg Lang, Michigan State University
- 3:30** **Biointensive IPM and disease management comparing biopesticides and conventional pesticides in apple disease management**
Dan Cooley, University of Massachusetts
- 4:00** **New, antique and different apples**
Duane Greene & Jon Clements, University of Massachusetts

Thursday, December 17
Trade Show, 8am-2pm & 4pm-6pm

Morning Program
9:30 - 12:00 5 Concurrent Sessions

Brambles

Location: SALON A

Moderator: DAVID HANDLEY

Pesticide credits: 2.0, **CCA credits:** 2.0 crop, 0.5 pest

- 9:30** **Getting started with raspberries**
David Handley, University of Maine
- 10:00** **Raspberry varieties for the cold**
Pam Fisher, Ontario Ministry for Agriculture, Food and Rural Affairs
- 10:30** **Raspberries in high tunnels: opportunities & challenges**
Kathy Demchak, Pennsylvania State University
- 11:00** **Raspberry insect management**
Pam Fisher, Ontario Ministry for Agriculture, Food and Rural Affairs
- 11:30** **What about blackberries? Options for the Northeast**
Kathy Demchak, Pennsylvania State University



Brassica

Location: CURRIERS

Moderator: RUTH HAZZARD

Pesticide credits: 1.0, **CCA credits:** 0.5 crop, 0.5 pest

- 9:30** **Improve your cash-flow with winter vegetables**
Jan van der Heide, Bejo Seeds, Inc.
- 10:00** **Winter sprouting broccoli: new crop for early spring**
Becky Sideman, University of New Hampshire
- 10:15** **In search of the perfect brussels sprout**
Ruth Hazzard, University of Massachusetts
- 10:30** **Downy mildew, Alternaria and other diseases**
Ann Hazelrigg, University of Vermont
- 11:00** **Growing broccoli and cauliflower from spring through fall**
Jim Golonka, Golonka Farm, No Hatfield MA
- 11:30** **Selecting brassicas for freeze-hardiness and yield.**
Brett Grohsgal, Evenstar Farm, Lexington Park MD

Nutrient Value of Plants for Human Health

Location: FROST/HAWTHORNE (UPSTAIRS)

Moderator: MARTIN GENT

Pesticide credits: 0.0, CCA credits: 2.0 crop, 0.5 nutrient

- 9:30 Production of Hydroponic Tomatoes Rich in Flavor and Bioactive Compounds**
Chieri Kubota, University of Arizona
- 10:00 Changes with season of nutrients in salad greens grown in high tunnels**
Martin Gent, Connecticut Agricultural Experiment Station
- 10:30 Phenolic phytochemicals in fruits & vegetables are linked to health benefits**
Kalidas Shetty, University of Massachusetts
- 11:00 Post-harvest changes in squash**
Brent Loy, University of New Hampshire
- 11:30 Improving carotenoid phytochemical concentrations in vegetable crops**
Dean Kopsell, University of Tennessee

Tomatoes

Location: ARMORY

Moderator: GEORGE HAMILTON

Pesticide credits: 2.0, CCA credits: 1.5 pest, 0.5 nutrient

- 9:30 The ABC's, I mean NPK's, of tomato production**
Dean Kopsell, University of Tennessee
- 10:00 Properly identifying tomato diseases**
Cheryl Smith, University of New Hampshire
- 10:30 How to develop a season-long disease control program**
Meg McGrath, Cornell University
- 11:00 Late Blight: what happened in 2009**
Jim Dill, University of Maine
- 11:30 Late Blight discussion session: what worked and what didn't**
Cheryl Smith, UNH Cooperative Extension
Jim Dill, University of Maine
Meg McGrath, Cornell University

Viticulture I

Location: SALON BCD

Moderator: SONIA SCHLOEMANN

Pesticide credits: 1.5, CCA credits: 1.5 crop, 1.0 pest

- 9:30 Managing insect pests in grapes**
Greg Loeb, Cornell University
- 10:00 Powdery and downy mildew; major problems in eastern vineyards**
Peter Oudemans, Rutgers University
- 10:30 Wine and table grape varieties for New England**
Bruce Reich, Cornell University
- 11:00 Winegrape cultivar trials in CT**
William Nail, CT Ag Experiment Station
- 11:30 New technology in vineyard spraying**
Andrew Landers, Cornell University

Thursday, December 17
Trade Show, 8am-2pm

Afternoon Program
2:00 – 4:30 5 Concurrent Sessions

Greenhouse Tomato

Location: ARMORY

Moderator: MARTIN GENT

Pesticide credits: 1.0, CCA credits: 0.5 crop, 0.5 pest, 1.0 nutrient

- 2:00** **Review of instrumentation to control the greenhouse environment**
Chieri Kubota, University of Arizona
- 2:30** **IPM methods for insect management**
Margaret Skinner, University of Vermont
- 3:00** **Growing greenhouse tomatoes at Holmberg Orchards**
Russ Holmberg, Holmberg Orchards, Gales Ferry CT
- 3:30** **Organic greenhouse tomato nutrient management**
Vern Grubinger, University of Vermont
- 4:00** **Recirculating used nutrient solution for greenhouse tomato**
Martin Gent, Connecticut Agricultural Experiment Station



Irrigation

Location: FROST/HAWTHORNE (UPSTAIRS)

Moderator: RICH BONANNO

Pesticide credits: 0.5, CCA credits: 2.0 soil

- 2:00** **Basics of an adaptable irrigation system**
Fran Dellamano, Belle Terre Irrigation LLC
- 2:30** **Moving to a mostly drip system and why**
Trevor Hardy, Brookdale Fruit Farm, Hollis NH
- 3:00** **Finally filtering the pond water for drip**
Rich Bonanno, Pleasant Valley Gardens, Westford MA
- 3:30** **What's everybody up to out there**
Dan Lenthall, NRCS - MA
- 4:00** **A fixed spray system for fruit crops**
Andrew Landers, Cornell University

Marketing

Location: CURRIERS

Moderator: FRANK MANGAN

Pesticide credits: 1.0, CCA credits: 1.0 crop

- 2:00 Market trends: organic, local and eco**
Michael Rozyne, Red Tomato
- 2:30 Extending your markets with high tunnels**
Margaret Skinner, University of Vermont
- 3:00 Going from 3 to 40 farmer's markets in four years**
Maria Moreira, Flats Mentor Farm, Lancaster MA
- 3:30 Using Good Agricultural Practices (GAP) certification for your marketing**
Rich Bonanno, UMass and Pleasant Valley Gardens
- 4:00 How to get locally-grown fresh produce into the Boston Food System**
Frank Mangan, University of Massachusetts

Vine Crops

Location: SALON A

Moderator: MARK HUTTON

Pesticide credits: 1.5, CCA credits: 2.0

- 2:00 Evaluation of pickling and slicing cucumbers varieties**
Mark Hutton, University of Maine
- 2:30 Cucumber-tomato intercropping production system**
Heather Bryant, University of New Hampshire
- 3:00 Pests and partners: the effects of cucumber beetles on pollinators, mycorrhizal fungi and yield in cucumbers**
Nick Barber, University of Massachusetts
- 3:30 Growing cantaloupes in cool climates!**
Mark Guzzi, Peacemeal Farm, Dixmont ME
- 4:00 What's new with vine crop diseases and their management**
Meg McGrath, Cornell University

Viticulture II

Location: SALON BCD

Moderator: SONIA SCHLOEMANN

Pesticide credits: 2.0, CCA credits: 1.0 crop, 0.5 pest

- 2:00 Canopy management for quality**
Justine Vanden Huevel, Cornell University/NY Ag Exp Station
- 2:30 Table grapes - a growing market**
Dennis Rak, Double A Vineyards, Fredonia NY
- 3:15 Vine training and pruning for New England**
William Nail, CT Ag Experiment Station
- 3:45 IPM for cold climate viticulture**
Sonia Schloemann, University of Massachusetts

Trade Show Exhibitors

Adams County Nursery, Inc.
Applied Ag Tech
Arthur Carroll Insurance
Arysta Life Sciences
N. M. Bartlett, Inc.
BASF Corporation
Bayer Crop Science
Belle Terre Irrigation
Berger Peat Moss
Bird Gard/JBW Marketing
Brookdale Fruit Farm
Certis, USA, LLC
Charles W. Harris Co., Inc
Country Folks Grower
Crop Production Services
Devon Lane Farm Supply
Dow AgroSciences
Dubois Agrinovation
Dupont Crop Protection
Empire Packaging
Farming and Growing Magazines (Moose River Media)
First Pioneer Farm Credit
Gowan
Griffin Greenhouse and Nursery Supply
Gro Mor
Harris Seeds
Haygrove Tunnels
Helena
High Mowing Organic Seeds
Hill and Markes, Inc.
Hillside Cultivator
Johnny's Selected Seeds
Kirby Agri, Inc.
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Mechanical Transplanter Co.
New England Seed Co.
New Hampshire Farm Bureau Federation
North Country Organics
Nourse Farms, Inc.
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Stockbridge School of Agriculture
Stokes Seed
Summit Tree Sales
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Wafler Nursery
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