2012 PROGRAM WORK TEAM ANNUAL REPORT FORM

1. Full name of your Program Work Team (PWT):

VEGETABLE CROPS PROGRAM WORK TEAM (VCPWT)

2. Names, affiliations and e-mail addresses of the PWT Co-Chairs: (With an asterisk [], please indicate the co-chair responsible for finalizing this report.)

<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
<th>Affiliation</th>
<th>Address</th>
<th>Phone</th>
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<tr>
<td>Anthony Shelton*</td>
<td>Professor</td>
<td>Department of Entomology</td>
<td>NYSAES - Cornell Univ.</td>
<td>630 W. North Street</td>
<td>315-787-2218</td>
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<td>New York State Onion Industry Council</td>
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<td>Empire State Cabbage Research and Development Program</td>
<td>New York State Vegetable Growers Board of Directors</td>
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<td>Empire State Potato Growers Association</td>
<td>and ad hoc advisory committees for CCE Educators</td>
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<td><a href="mailto:ams5@cornell.edu">ams5@cornell.edu</a></td>
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3. List of names, affiliations and email addresses of active members of the PWT who are involved in the core decision-making or planning group of the PWT.

See last section. Although an exhaustive list is provided, I highlighted in yellow those members who virtually always attend our VCPWT annual meeting in Spring and the Ag In-Service in November (i.e., these member are also typically involved in decision-making for our group).

4. Please identify your PWT’s activities, accomplishments, and, most importantly, outcomes and impacts over the past year.

Members of the Vegetable Crops Program Work Team (VCPWT) engaged stakeholders through advisory boards, annual commodity meetings and on-farm visits. Advisory boards include the New York Vegetable Research Council and Association, New York State Onion Industry Council, New York State Onion Research and Development Program, New York State Cabbage Research and Development Program, New York State Vegetable Growers Board of Directors, Empire State Potato Growers Association, and ad hoc advisory committees for CCE Educators. Additionally, there are annual meetings with these commodity groups that are held in late fall/early winter to prioritize research for the coming year. These priorities are used in RFP’s from NYS stakeholder associations as well as for other grant programs. Priorities for the NYVRC/A (sweet corn, snap bean, peas, table beets) are also included in the RFP for NE IPM. The stakeholder derived research priorities illustrates to granting agencies that the proposed work is meeting New York stakeholders’ needs. Many members of the VCPWT also engage stakeholders by working with them on applied research projects on their farms.

An annual statewide VCPWT meeting was held to address needs of NY’s vegetable industry as well as provide news about upcoming events on April 26, 2012 in Geneva (15 members attended). Topics covered at this meeting included the following:

1. Empire State Fruit and Vegetable Expo and plans for ’12 – Reiners
2. Nutrient analysis CNAL to AgroOne – Reiners
3. AFRI grant opportunities for including Extension Educators in plan
4. State-wide in-season newsletter progress – Kikkert
5. November Ag In-Service Program.
6. Individual reports on research projects - all attendees.

The Chair of the VCPWT organized several sessions at the 2012 Ag & Food Systems In-Service Workshop on November 12-14 in Ithaca. All sessions were well attended and included multiple presentations from Cornell faculty and extension educators (see program following this report).

The VCPWT, through Steve Reiners continues to work with the New York Vegetable Growers Association in planning and organizing the Empire State Fruit and Vegetable EXPO. Members organized and contributed to many vegetable and soil sessions.

One of the major strengths of the VCPWT is that members interact frequently both informally and formally on research and extension projects. There are many multi-disciplinary projects that will not be discussed in this report, but can be found at Cornell’s vegetable program web http://blogs.cornell.edu/vegcrops/

There is also a website for growers describing the PWTs offerings for clients: www.hort.cornell.edu/extension/commercial/vegetables/index.html

**Names in bold indicate the session organizer.**

**Day 1 – Monday, November 12**

**8am - 10am – Session 1**

Title: The CCE Strategic Planning Survey  
Presenter(s): Helene Dillard  
Description: Present results of CCE Strategic Planning Survey  
Track:

**10:30am - noon – Session 2**

Title: From spring frost to summer drought; what’s up with the weather  
Presenter(s): David Wolfe, Art DeGaetano and Jonathan Comstock  
Description: Current and future weather trends; *(some agents would like tips on farm adaptation to climate change)*  
Track:

**Noon - 1:30pm – Lunch on your own**

**1:30pm - 3pm – Session 3**

Title: Research results and future directions for fresh market vegetable production; soil fertility update  
Presenter(s): Anu Rangarajan and Steve Reiners  
Description: trends in veg production (Rangarajan); soil fertility (Reiners)  
Track:
3:30 pm - 5pm – Session 4

Title: New outreach methods: mobile phones and YouTube
Presenter(s): Anu Rangarajan and Chris Smart
Description: New technologies to deliver the message
Track:

Day 2 – Tuesday, November 13

8am - 10am – Session 5

Title: Potatoes
Presenter(s): Don Halseth, Walter De Jong and Bill Fry
Description: Variety development, disease control and cultural practices
Track:

10:30am - noon – Session 6

Title: Weeds
Presenter(s): Robin Bellinder
Description: Everything you wanted to know about weeds in vegetables
Track:

Noon - 1:30pm – Group luncheon w/ the director in G10 biotech

1:30pm - 3pm – Session 7

Title: Diseases of vegetables
Presenter(s): Meg McGrath, Tom Zitter, Geroge Abawi, someone in Mutschler program, Chris Smart
Description: Updates on vegetable diseases
Track:

3:30pm - 5pm – Session 8

Title: Sweet corn
Presenter(s): Dan Olmstead, Peter Jentch, Dan Gilrein
Description: Long term changes in insect density and recommendations (Olmstead); insect management (Jentsch and Gilrein)
Track:

Day 3 – Wednesday, November 14

8am - 10am – Session 9

Title: The expansion of new invasive vegetable pests
Presenter(s): Amy Ivy, Christy Hoepting, Peter Jentsch, Masa Seto
Description: Leek moth (Ivy and Seto); Swede midge (Hoepting); BMSB and spotted wing Drosophila (Jentsch)
Track:

10:30am - noon – Session 10

Title: Biotechnology for controlling insects and diseases of vegetables
Presenter(s): Marc Fuchs, Dan Olmstead
Description: Virus resistant plants (Fuchs); Insect resistant plants (Olmstead); Public opinion on Biotech (Fuchs)
Track:

Noon - 1:30pm – Lunch on your own

1:30pm - 3pm – Session 11

Title: Organic agriculture in vegetables
Presenter(s): Abby Seaman, Emily Cook
Description: Managing pests in organic systems (Seaman); Organic production in NY (Cook)
Track:

Vegetable Crops PWT members.
Total 69 members. Core team (members) in bold. Faculty Chair: Anthony Shelton, Entomology

George Abawi NYSAES- Plant Pathology
Carl Albers Steuben Co. CCE
Lutie C Batt Wyoming Co. CCE
Sue Beebe Saratoga Co. CCE
Robin Bellinder Cornell-Horticulture
Betsy Bihn Cornell-Food Science
Thomas Björkman NYSAES- Horticulture
Chuck Bornt Capitol District CCE
Mark Bridgen Long Island Hort Res & Ext
Ann Cobb NYSAES- Plant Pathology*
Rosalind Cook Jefferson Co. CCE
Helene Dillard NYSAES- Plant Pathology and CCE Director
Mohammad Faroze** Dutchess Co CCE
Bill Fry Cornell- Plant Pathology
and Dean of Faculty
Mark Fuchs NYSAES- Plant Pathology
Aaron Gabriel Washington Co. CCE
John Gibbons Ontario Co. CCE
Dan Gilrein Suffolk Co. CCE
Miguel Gómez Appl Econ. & Management
Judith Green Cornell- Horticulture*
Robert Hadad Cornell Vegetable Program CCE
Don Halseth Cornell- Horticulture
J. Rebecca Hargrave Chenango Co. CCE
Mary Lou Hessney NYSAES-Entomology*
Christie Hoepting Cornell Vegetable Program CCE
Mike Hoffmann Cornell-Entomology and Director of CUAES
Amy IvyN Clinton Co. CCE.
Quirine Ketterings Cornell-Crop&Soil Sci
Julie Kikkert Cornell Vegetable Program CCE
Lea LoizosN Suffolk Co CCE
Jim Lorbeer Cornell- Plant Pathology
Linda Holm Suffolk Co. CCE
Carol MacNeil Ontario Co. CCE
Laura McDermott Washington Co. CCE
Meg McGrath Long Island Hort Res & Ext
Sandy Menasha Suffolk Co. CCE
Dale Moyer Suffolk Co. CCE
Martha Mutschler Cornell-Plant Br & Gen
Brian Nault NYSAES-Entomology
Megan O’Rourke Cornell-Ecol. & Ev. Biol.
Keith Perry Cornell-Plant Pathology
Curt Petzoldt NYSAES-IPM
Hugh Price NYSAES-Horticulture
Anusuya Rangarajan Cornell-Horticulture
Renuka Rao Cornell-Crop&Soil Sci*
Judson Reid Cornell Vegetable Program
Steve Reiners NYSAES-Horticulture
Brad Rickard Appl Econ. & Management
Monika Roth Tompkins Co. CCE
Teresa Rusinek Ulster Co. CCE
Robert Schindelbeck Cornell-Crop&Soil Sci
Abby Seaman NYSAES-IPM

Denis Shah NYSAES-Plant Pathology*
Molly Shaw Tioga Co. CCE
Tony Shelton NYSAES-Entomology
Karen Snover Cornell-Plant Pathology
Chris Smart NYSAES-Plant Pathology
Bill Smith Cornell-Entomology
Margaret Smith Cornell-Plant Br&Gen
Dean A. Sprague Cattaraugus Co. CCE
Michael J.Stanyard Animal Sci CCE
Crystal Stewart CCE Cap District
Alan Taylor NYSAES-Horticulture
Dave Thorp Livingston Co. CCE
Ward Tingey Cornell-Entomology
Maire Ullrich Orange Co. CCE
Chris Wien Cornell-Horticulture
David Wolfe Cornell-Horticulture
Tom Zitter Cornell-Plant Pathology