

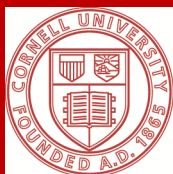


Cornell Cooperative Extension of Chautauqua County 2016 Annual Report

Mission:

Cornell Cooperative Extension
puts knowledge to work
in pursuit of economic vitality,
ecological sustainability and social well-being.

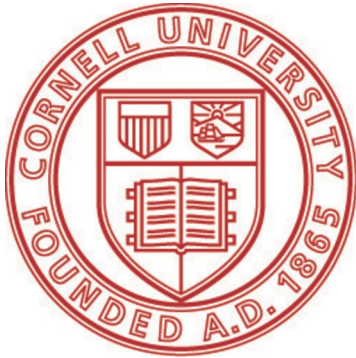
We bring local experience
and research based solutions together,
helping New York State
families and communities
thrive in our rapidly changing world.



Cornell University
Cooperative Extension
Chautauqua County

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Little Creek Photography

Dear Friends and Supporters of Cooperative Extension,

2016 has been an excellent year of programming and has allowed us many opportunities to meet the needs of the community, expand our image and continue to provide successful programming.

With an excellent staff of nine, a dedicated Board of Directors, and exceptional local support, CCE Chautauqua is working diligently to transcend our proven traditional programming and continue to grow to meet the needs of the County.

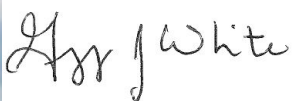
The community and volunteers continue to amaze us with their support, dedication and enthusiasm. From financial support to volunteer service, the community makes CCE Chautauqua strong. In 2016 we continued to offer our three key program areas of Agriculture, 4-H Youth Development and the Expanded Food and Nutrition Education Program. We have been able to bring the research based knowledge of Cornell University to the individuals and families in Chautauqua County to sustain farming and agribusinesses, promote positive youth development, and improve individual and family life. In reviewing this report, you will be amazed at the diversity and quality of programming we are able to offer.

In 2016, we expanded our Agricultural Programming by joining the Cornell Vegetable Program which gained us access to horticultural specialists with a variety of expertise and helped our producers in Chautauqua County increase product yields, prevent disease and pest infestation, and learn practical and safe management techniques. It also put direct vegetable research right here in Chautauqua County.

As we continue to grow and develop we will expand our programming and offer new opportunities. If you ever have questions or suggestions for programming we would be happy to discuss them with you. The support and commitment from the Community has helped CCE grow in Chautauqua County for over 200 years and we are looking forward to meeting the needs of the Community for many more years to come.

Our success would not be possible without the financial support of participants, volunteer fundraising, local businesses, the Chautauqua County Legislature and our exceptional local foundations. The United Way of Southern Chautauqua County, the Ralph C. Sheldon Foundation, the Lenna Foundation, the Carnahan Jackson Foundation, the Jessie Smith Darrah Fund, and the Chautauqua Region Community Foundation. Thank you all for your continued support of our local association.

We hope you will enjoy this report which highlights our accomplishments during 2016.



*Greg White
Board President*



*Emily Reynolds
Executive Director*



4-H Enrollment

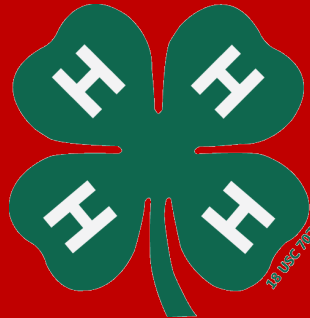
355 Youth
12: Average Age of Participating Youth
3.75 years: Average Length of Participation

4-H Clubs and Animal Projects

24 Clubs
9 Animal Science Projects
250 Youth Belong to a Club
192 Youth Completed Community Service

4-H Youth Development

Kate Ewer
4-H Community Educator
kde32@cornell.edu
716-664-9502 ext. 212



Lisette Cabrera
4-H Administrative Assistant
lmc323@cornell.edu
716-664-9502 ext. 214

140 Registered Volunteers
5,000 Hours Served Valued at \$134,300
Volunteers

340 Youth
1,500 Life-skill projects
600 Animals
50 Youth Leadership Opportunities
Chautauqua County Fair





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4-H Green Tie Affair

February 25, 2016

700 Guests

\$26,000 Raised for the 4-H Endowment

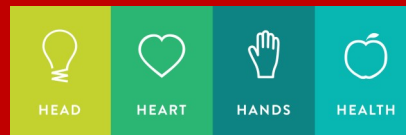
Conservation Field Days

May 25-26, 2016

1,014 5th Grade Students

40 Conservation Professionals and Enthusiasts

33 Conservation Stations



65 Youth
17 Weeks of Programming
Partner: WCD Boys & Girls Club
Garden Club

Fall 2015
Partner: YMCA Teen Center
10 Youth
6 Weeks of Programming
Science Explorers

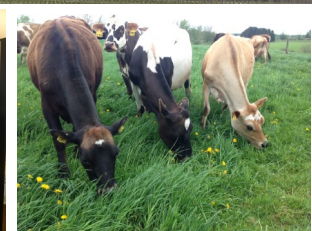
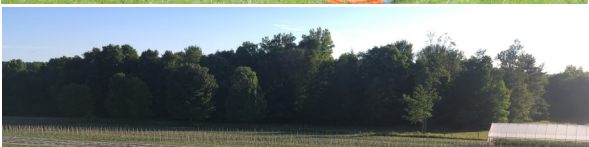
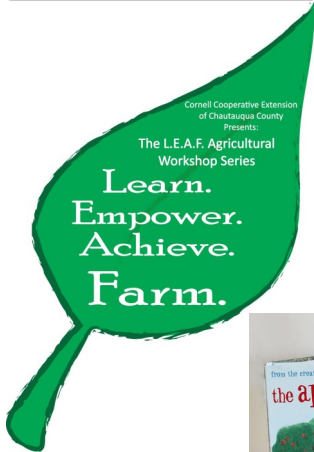
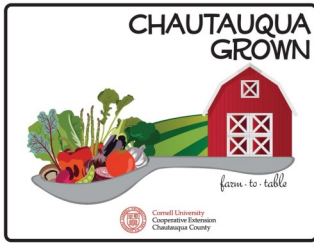
Spring 2016
Partner: WCD Boys & Girls Club
15 Youth
6 Weeks of Programming



Farm Business Management Program

Katelyn Walley-Stoll

kaw249@cornell.edu · 716-664-9502 ext. 202



This year's programming by the numbers...

328	Farm Business Management Consultations with our area's agricultural producers.
161	Beginning Farmer Consultations with new and diversifying operations.
24	Events, Workshops, and Classes offered to improve farm profitability and community vitality.
43	Issues of publications such as Extension Connection, Dairy Market Watch, Dairy Digest, The Chautauqua Grown Newsletter, and Fact Sheets to bring research based information to the community.
226	Public Outreach Media Messages through Press Releases, Radio Spots, and Social Media Posts.
2,500	Students exposed to agriculture through Ag Literacy Week Programming with 96% of schools participating and 45 volunteers from the agricultural community assisting.
2,309	Views of the Chautauqua Grown interactive map and website.
96	Members on the newly created Western New York Beginning Farmers and Homesteaders Online Community.
23	Workshops planned for the 2016-2017 L.E.A.F. (Learn. Empower. Achieve. Farm.) Workshop Series.
34	Business Plans written for the Southern Tier Agricultural Enhancement Grant opportunity.
236,546	Acres of Farmland in the County that is affected by the Agricultural District Review and the Farmland Protection Board, of which we are a representative.
30+	Consultations with the Cornell Vegetable Program Team members while working with area growers.
12	Visits to the Chautauqua County Produce Auction and their growers' meetings to further develop relationships with our area's produce growers.
\$49,500	Grant and Contract Funding generated by Farm Business Management Programming from our generous sponsors and cooperating agencies.

Dairy and Livestock Program

Lisa Kempisty

lj4@cornell.edu · 716-664-9502 ext. 203

Dairy Profit Teams—a partnership with Agribusiness professionals

- ◆ 10 dairy farm families received input to improve production, profitability and family/employee communication

Dairy Acceleration Program—a partnership with Agribusiness professionals

- ◆ 12 dairy farm families were assisted with planning for profitable and environmentally responsible growth of their dairy farm businesses.

Individual Consultations

- ◆ 240 One-on-one conversations to improve production management, facilitate planning, improve employee management, learn new research and information and test new ideas for soundness

Recycling Agricultural Plastics Program (RAPP)—a partnership cooperative effort with the Chautauqua County Soil & Water Conservation District

- ◆ 15 Farms reduced agricultural plastics being improperly disposed of or buried in the local landfill

Farmer Neighbor Dinner—a partnership with Farm Credit East, ACA, Chautauqua County Soil & Water Conservation District, Chautauqua County Beef Producers, Lake View Gardens, Chautauqua County Farm Bureau, Nationwide Insurance, Western New York Crop Management Association, and several farm families and agricultural businesses

- ◆ 150 Participants which improved networking between farmers and their non agricultural neighbors
- ◆ Annual Farmer of the Year Awards were presented to the Moss Family and the Betts Family
- ◆ The Friend of Agriculture Award was presented to Dennis Webster

Dairy of Distinction Program—in cooperation with the Northeast Dairy Farm Beautification Program

- ◆ Honoring hard working dairy farm families for producing high quality milk while maintaining attractive farmsteads
- ◆ Arden and Brenda Ohlsson from Sherman were recognized as our newest Dairy of Distinction in Chautauqua County

Beef Producer Programs—in partnership with the Chautauqua County Beef Producers Association

- ◆ 23 participants learned information to improve the wholesomeness and safety of their beef products through a webinar series
- ◆ 70 participants networked at an on-farm Beef Field Day that taught new ideas for improving practices in the beef production industry

CDL Training Course—in partnership with Erie 2 Chautauqua– Cattaraugus BOCES

- ◆ 12 participants learned new skills towards becoming licensed Commercial Drivers to work safely within the Agricultural Industry





CORNELL VEGETABLE PROGRAM TRUSTED SOURCE FOR RESEARCH-BASED KNOWLEDGE

A premier regional agricultural Cornell Cooperative Extension Team that provides educational programs and information to growers, processors and agribusiness professionals, arming them with knowledge to profitably produce and market safe and healthful vegetable crops.

- ⇒ In 2016 over 100 educational events organized by or presentations given by the Cornell Vegetable Program Specialists
- ⇒ Over 4,400 people attended meetings and presentations by Cornell Vegetable Program Specialists (October 2015-September 2016)
- ⇒ The Cornell Vegetable Program made nearly 4,000 farm visits and crop consultations.

2016 Research Highlights

Fresh Market Vegetable Research Initiated at the Cornell Lake Erie Research and Extension Laboratory. The 2016 season kicked off with a new collaboration between the Cornell Vegetable Program and the Cornell Lake Erie Research and Extension Laboratory as fresh market vegetable research trials were planted in early June alongside grapes and hops in Portland, NY. This collaboration allowed the CVP to offer a vegetable field day held on August 31 with over 40 farmers, researchers and industry representative in attendance. The Cornell Vegetable Program is excited about this new collaboration and looks forward to continue to utilize the CLEREL for future research and educational programing. Grant funding from the Towards Sustainability Program were awarded to support the work.

Two Student Interns Gain Invaluable Field Experience while Scouting Farms in Region. CVP interns visited 22 vegetable farms across western NY to scout crops for diseases, weeds, and insects. The program gave an opportunity for the interns to learn about Integrated Pest Management Practices and how to scout for pests in the field, while expanding CVP's presence and impact. "We were able to identify some pests at early damage stages, informing the growers of most problems before damage was too detrimental to control, thus minimizing use of large amounts of chemicals that may have been used otherwise." Funding for the interns was awarded from a USDA-NIFA-AFRI Grant.

Evaluation of Organic Strategies to Control the Invasive Pest, Swede Midge (*Conarinia nasturtii*). CVP is monitoring Swede Midge populations on organic farms throughout the region using pheromone traps, and report trap catch data to growers on a weekly basis. This information will develop an understanding of population dynamics and (if available) management tools to help deter this insect pest.

Leek Moth Survey. Leek moth is a relatively new worm pest of Alliums in NY, and to date only occurs in Northern New York. In 2016, we have pheromone traps set up across the state to monitor its spread and alert growers to potential impact.

Best Management Practices for Long Term Profitable High Tunnel Soil Fertility and Health. The growth in winter market opportunities, paired with the challenges of increasingly volatile weather patterns has led to an exponential increase in the use of high tunnels by New York growers. However, the best management practices (BMPs) to ensure soil health and fertility are not widely understood and early adopters of high tunnels are encountering challenges. This project, led by Andy Fellenz of NOFA-NY, in partnership with Judson Reid of Cornell University is focused on supplementing knowledge of BMPs gained from a prior NYFVI project and ensuring the widespread adoption of these sustainable practices to help NY growers maximize their profits with these structures.

Minimizing Wildlife Impacts on Yield and Food Safety Risk in Vegetable by Utilizing Repellency Tactics. Wildlife, particularly birds and deer, can cause significant damage in vegetable crops. The damage can be more than just economic; wildlife contamination of fresh market vegetables is a food safety issue and potential liability for growers. CVP specialists are evaluating the potential of physical and chemical deterrents and provide specific recommendations about timing, placement and use of the tools on farms through the region. NYFVI funded grant.



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Cooperative Extension
Cornell Vegetable Program

CVP.CCE.CORNELL.EDU



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.

Lake Erie Regional Grape Program



Tim Weigle, Team Leader, LERGP Grape and Hop IPM NYS IMP Program, Cornell
Andy Muza, Viticulture and Pest Management Erie County Extension, Penn State
Luke Haggerty, Viticulture Extension Associate, Cornell
Kevin Martin, Business Management Extension Educator, Penn State

Program Statement:

Founded in 1992, this collaborative effort involving Cornell and Penn State Universities, County Extension Associations (Chautauqua, Cattaraugus and Niagara Counties in New York and Erie County in Pennsylvania) and Grape Processors; National Grape Cooperative, Constellation Wine and Walkers Fruit Basket, conducts extension education programming as well as applied research and demonstration projects throughout the 30,000 acres of grapes located in the Lake Erie Region of New York and Pennsylvania.

Major Activities:

Meetings

880 grape growers and members of the Lake Erie grape industry participated in programming
32 LERGP educational events

- 19 weekly Coffee Pot meetings
- Hops Conference
- CORE Pesticide Training
- Winter Grape Grower Conference
- A Twilight meeting

776 individual consultations on IPM, business management and viticulture practices

68 partner vineyards participated in team lead implementation and applied research projects

2016 Professional Publications:

- 2016 New York and Pennsylvania Pest Management Guidelines for Grapes. Weigle and Muza co-editors
- Efficient Vineyard Website <https://www.efficientvineyard.com/>
- Lake Erie Regional Grape Program website <http://lergp.cce.cornell.edu/>
- The Crop Update – Weekly e-newsletter published by the LERGP extension team
- Lake Erie Vineyard Notes – newsletter published by LERGP extension team
- Veraison to Harvest Newsletter – weekly harvest newsletter involving all statewide and regional grape extension teams. Martinson, Gerling, Haggerty, Bates, et al
- Press Releases – semimonthly articles sent to area newspapers.

Highlights:

Cover Crops

- Through a grant from the New York Farm Viability Institute
- Studying the effect of cover crops in Concord vineyards
- Measuring how different cover crop mixes affect soil health and vineyard productivity
- 70 participants attended the workshop and field day

Crop Insurance Education

- Partnership with USDA and NYS Department of Agriculture and Markets
- Providing educational information to area growers
- Participants have higher rates of crop insurance coverage than other crops, other regions and their peers that are not members of extension

Efficient Vineyard Project

- \$6 million USDA/NIFA Specialty Crop Research Initiative grant
- A combined research and extension project to develop multiple sensing and automation solutions for measuring vineyard soil, canopy, and crop characteristics, and reconstitute those solutions for high-resolution spatial crop load management.
- A collaborative effort between Cornell University, Penn State, Carnegie Mellon, Newcastle University, University of California Davis, National Grape & Wine Initiative and USDA/NIFA.

Grants:

Members of the LERGP extension team are principle investigators (PI's), co-PI's, and/or cooperators on 7 grants representing a total of \$6,159,162 for extension, research, implementation and demonstration of the latest research-based information for grape and hops producers in the Lake Erie region.



Master Gardener Program

Staff Contact: Emily Reynolds · eck47@cornell.edu · 716-664-9502 ext. 201

Lead Volunteer: Carol Lorenc



Enhancing The Community: One Trowel at a Time

The Help Desk

Open every Wednesday from noon-2pm

April—September

29 in person consultations

109 phone calls

32 e-mails and electronic correspondences

Total **170 total responses** to questions

Included 15 soil tests for pH



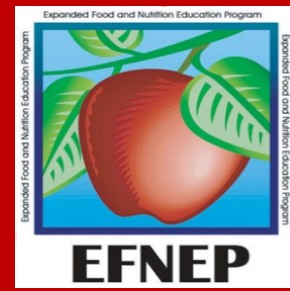
Type of Activity	Hours	# of Contacts
Providing Gardening Advice	196.5	739
Clinics /Teaching Gardening Techniques	500	2949
Community Gardens	490	499
Public Relations	138.5	711
Fundraising	169	771
Meetings	432	814
Administration	116	51
Continuing Education	153	297
TOTALS	2095	6831



Expanded Food and Nutrition Education Program

Iris Ruiz
Nutrition Educator
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(716) 664-9502 ext. 217

Else Alonge
Nutrition Educator
eaa68@cornell.edu
(716) 664-9502 ext. 221



EFNEP Goals: "To assist low-income families and youth in acquiring knowledge, skills, attitudes, and change behaviors necessary for nutritionally sound diets and to contribute to their personal development and improvement of the total family diet and nutritional well-being"

Agencies that EFNEP worked with this year

MOM'S program CCHD	Dunkirk and Jamestown
Child Protective Service	Dunkirk
Resource Center	Jamestown
Foster Care CCDSS	Dunkirk
East Side Y	Jamestown
Nurses Family Partnerships	Dunkirk
Erie 2 BOCES and the Family	Jamestown
Erie 2 BOCES ESL	Dunkirk
TLC Health Network	Gowanda
Gowanda & Forestville Primary Care	Jamestown and Dunkirk
Salvation Army	Dunkirk
St. Gianna Pregnancy Outreach	Dunkirk
Health Homes	Chautauqua County



Community Events: The Chautauqua Center Family Fun Day was held on Thursday, August 11th at Washington Park in Dunkirk and Friday, August 12th at The Gateway Center in Jamestown. Hosted by the Dunkirk Salvation Army, this was the first "back to school" event which EFNEP participated. The Expanded Food and Nutrition Program provided a series of relevant nutrition education classes to participants in North and South County. Participants were educated on a variety of subjects such as:

- ◆ FAB (Diabetes Curriculum)
- ◆ Eating Smart. Being Active
- ◆ Eating Smart and Being Active During Pregnancy
- ◆ Healthy Children * Healthy Families, Parents Making a Difference
- ◆ Breastfeeding
- ◆ Healthy Cents-budgeting Curriculum

Events and Trainings:

- ◆ Iris Ruiz, Nutrition Educator, completed the "Healthy Children Healthy Families" in-service training September 14th and 15th.
- ◆ Else Alonge, Nutrition Educator, completed the "Eating Smart Being Active" certificate and is now teaching classes throughout the North County.
- ◆ Iris Ruiz and Else Alonge were invited to the Agri-Business Child Development Center's annual "Family Health Fair" which was held September 21st. Educators provided an opportunity for families to learn about what EFNEP has to offer in the community and how families can eat more nutritious meals together.
- ◆ EFNEP educators were given the opportunity to bulk up on their cooking skills during a staff development training provided through the Culinary Arts Center on September 30th. Educators learned new cooking techniques as well as healthier ways of cooking to pass on to participants.
- ◆ Annual Fall Update will be November 1st and 2nd at Cornell University Campus. Numerous workshops will be available for EFNEP educators to participate in.

Program Achievements

- ◆ 97 Adults enrolled
- ◆ 64 Adults earned completion
- ◆ 513 lessons taught
- ◆ 521 hours of programming



2016 Board of Directors

Greg White, President
Breeanne Agett, Vice President
Tom Hockran, Secretary
Tim Black, Treasurer

Lindsay Eckman	Dr. Paul Holley	Andy Joy	Max J. Martin
Sarah Nickerson	Jeff O'Brien	Cheryl Smith	Shelly Wells

Legislative Representatives

John Hemmer and Elisabeth Rankin

Extension Specialist

Paul O'Conner

Agricultural Program Committee

Adam Abers	Thom Betts	Riko Chandra	Lindsay Eckman
David Gustafson	George Haffenden	Sara Moss	Greg White

4-H Program Committee

Jeff O'Brien	Kathy Freeman	Fran Hockran	Dana Overend
Matt Overfield	Jan Schauman	Cheryl Smith	Tina Walters

2016 Chautauqua County Staff

Emily Reynolds—Executive Director

Lisa Kempisty—Dairy/Livestock Educator	Katelyn Walley-Stoll—Farm Business Educator
Iris Ruiz—EFNEP Educator	Else Alonge—EFNEP Educator
Kate Ewer—4-H Educator	Lisette Cabrera—4-H Administrative Assistant
Lucia Conti—Administrative Assistant	Darcy Cramer—Finance Administrator

Lake Erie Regional Grape Team

Tim Weigle—Team Leader

Andy Muza—Viticulture and Pest Management	Luke Haggerty—Viticulture
Kevin Martin—Business Management	Kate Robinson—Administrative Assistant

Cornell Vegetable Program

Julie Kikkert—Team Leader

Robert Hadad—Extension Vegetable Specialist	Christy Hoepting—Extension Vegetable Specialist
Judson Reid—Extension Vegetable Specialist	Darcy Telenko—Extension Vegetable Specialist

2016 Operating Revenues

Local Grants and Contracts	\$ 168,199.50
Chautauqua County Contracts	\$ 160,328.00
State Funding	\$ 90,903.00
Federal Funding	\$ 88,950.00
Participation and Subscription	\$ 58,211.50
Contributions	\$ 34,530.20
Private Contracts	\$ 15,119.00
Sale of Advertising	\$ 3,829.00
Total	\$ 620,070.20

