CATSKILL REGIONAL INVASIVE SPECIES PARTNERSHIP
CCE EDUCATION AND OUTREACH NETWORK
2023 REPORT

Cornell Cooperative Extension of Columbia and Greene Counties

The Agroforestry Resource Center

6055 Route 23

Acra, NY. 12405

This report summarizes the work done by Cornell Cooperative Extension of Columbia and Greene Counties (CCE-CG) to fulfill contract deliverables with the Catskill Regional Invasive Species Partnership (CRISP) relating to a CCE coordinated education and outreach (E&O) network in their region. The CRISP early detection initiative is part of the CRISP organizational mission which is to promote education, prevention, early detection (ED) and control of invasive species (IS) to limit their impact on the ecosystems and economies of the Catskills.

Cornell Cooperative Extension Associations in the CRISP region involved in the 2023 invasive species education and outreach network include Columbia & Greene, Ulster, Sullivan, Delaware, Otsego & Schoharie counties.

CONTENTS

SCOPE OF WORK AND ACTIONS SUMMARIES

The Cornell Cooperative Extension Network has largely returned to their in-person programing in 2023, which has allowed us to meet educational deliverables for CRISP.

CCE DESIGNATED CONTACTS

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SCOPE OF WORK

OVERVIEW

Cornell Cooperative Extension ("CCE") of Columbia and Greene Counties will coordinate education and outreach relating to Invasive Species to the other CCE offices covering the CRISP region (which includes Delaware, Otsego, Schoharie, Ulster and Sullivan counties), collectively called the "CCE network". This education and outreach will include free identification services, public exhibits, and developing strategic objectives.

TASK 1 DELIVERABLES

Task 1.1 In collaboration with the CCE coordinators, Subcontractor will develop a Memorandum of Understanding ("MOU") specifying the deliverables that will be produced through the CCE network. A copy of the MOU and signed acceptances of the MOU will be forwarded to CC.

Task 1.2 Subcontractor will provide invasive species identification services free of charge and will advertise such services in print and online media, including a website page maintained through the duration of this Agreement. Subcontractor will advertise IS identification services throughout the CCE network region. A link to the website page will be emailed to CC.

● Copy of MOU and signed acceptances of MOU, emailed to CC.

● Link to promotions of invasive species identification services, emailed to CC.

● Link to Invasive Species webpage, emailed to CC.

TASK 2 DELIVERABLES

Task 2.1 Subcontractor will coordinate invasive species exhibits at all county fairs within the CCE network and other appropriate events. Subcontractor will deliver at least one event in each CCE County. At all such events, Subcontractor will make CRISP-specific literature, including information on upcoming CRISP events, and other relevant invasive species literature, freely available to public participants.

Task 2.2 Subcontractor will incorporate invasive species information into trainings

and public programming as part of curriculum delivery when possible. This can

include but is not limited to programs covering horticulture, forestry, agriculture and

natural resources.

- 5 photos of displays at county fairs, or other programs, emailed to CC.

TASK 3 DELIVERABLES

Task 3.1 Subcontractor will provide a final written report summarizing the programs delivered. This report will be reviewed and approved by CC before being finalized. The final report will be emailed to CC as a Microsoft Word document and must include the following:

● Results of the Invasive Species Hotline

● Analytics of the Invasive Species webpage

● List of dates, subject, and number of participants for programs, trainings and other events

DELIVERABLE ACTIONS SUMMARIES

TASK 1. PREPARATION FOR IS PROGRAMMING

Task 1.1 In collaboration with the CCE coordinators, Subcontractor will develop a Memorandum of Understanding ("MOU") specifying the deliverables that will be produced through the CCE network. A copy of the MOU and signed acceptances of the MOU will be forwarded to CC.

All Memorandum of Understanding "MOU" documents were compiled, approved by the CCE Columbia & Greene Executive Director, and submitted for countersignature to the respective county leaders. The MOU language directly reflects the primary agreement between the Catskill Center (CRISP) and CCE of Columbia & Greene. The MOUs were forwarded to the Catskill Center.

Task 1.2 Subcontractor will provide invasive species identification services free of charge and will advertise such services in print and online media, including a website page maintained through the duration of this Agreement. Subcontractor will advertise IS identification services throughout the CCE network region. A link to the website page will be emailed to CC.

Free invasive species identification services were made available and promoted across the CRISP region. The standard language presented on CCE websites and publications remained similar to previous years. Additionally, SLF identification and reporting information was disseminated widely. It was also highlighted in banners and central icons on homepage and resource pages throughout the year to increase awareness.

The website maintained by CCE Columbia and Greene can be found at
https://ccecolumbiagreene.org/climate-change-and-the-environment/invasive-nuisance-species

TASK 2. INVASIVE SPECIES PROGRAM DELIVERY

Task 2.1 Subcontractor will coordinate IS exhibits at community events, county fairs and other appropriate events within the CCE network. Subcontractor will deliver at least one event in each CCE County. At all such events, Subcontractor will make CRISP-specific literature, including information on upcoming CRISP events, and other relevant IS literature, freely available to public participants.

CCE successfully attended at least one major event in every county within the CRISP region. The specific focus was on the county fairs, as these represent a major event for all CCEs and allow for a wide audience. However, a display was present during some other events. The numbers below are estimates based off of event attendance as the IS exhibit is a static exhibit that is left on display throughout the course of the event. Included is the IS display that is left up year-round at the CCE Columbia and Greene County office in Acra.

- Greene County Youth Fair: 500
- Columbia County Fair: 1300
- Forest Landowners Letter Series: 170
- Arbor Day at Olana: 150
- Schoharie County Fair: 1200
- Otsego County Fair: 600
- Grahmsville Little World's Fair: 1000
- Ulster County Fair: 1400

- Delaware County Fair: 1000
- CCE Acra office: 500
- 4H Spring Fest: 150
- AWSMP Spring Explorers: 41
- Phoenicia Farmers Market: 64

Task 2.2 Subcontractor will incorporate invasive species information into trainings and public programming as part of curriculum delivery when possible. This can include but is not limited to programs covering horticulture, forestry, agriculture and natural resources.

CCE includes invasive species education in several of our programs throughout the year. Below is a list of workshops where invasive species education was incorporated and the numbers of people reached.

- Stone Ridge SLF Outreach: 14
- Wallkill SLF Outreach: 8
- New Paltz SLF Outreach: 9
- Mutt Masters SLF Outreach: 15
- Ellenville Regional Invasive Species Good and Bad Garden Bugs: 6
- Woodstock Farm Festival: 19
- Soil Health at Chambers School: 7
- Mohonk Preserve Invasive Plants: 22
- Invasive Forest Pests: 8
- Forest Ecology and Silviculture: 22
- Regeneron Volunteer Day: 30
- Summer Plant Walk: 13
- Woodland Exploration: 25
- South Korean Forestry Professionals Tour: 5
- When Nature Calls Podcast: 10843 downloads
- Ecological Pest Management for Vegetable Crops: 9

TASK 3. DATA ENTRY AND FINAL REPORT

Task 3.1 Subcontractor will provide a final written report summarizing the programs delivered. This report will be reviewed and approved by CC before being finalized. The final report will be emailed to CC as a Microsoft Word document and must include the following:

● Results of the Invasive Species Hotline

● *Analytics of the Invasive Species webpage*

● *List of dates, subject, and number of participants for programs, trainings and other events*

The following summaries are based on the data available:

Invasive Species Hotline:

CCE received 339 calls on invasive species. The topics varied, but most were about western conifer seed bug, jumping worm, spotted lanternfly, squash bug, exotic bush honeysuckle, southern pine beetle, general invasive species, and long horned tick.

Analytics of IS Webpages:

The CCE invasive species website received 2,694 views. A break down of the different pages/topics is below.

	Q /climate-change-and-the-environment/invasive-nuisance-species	⊗	
	Page path and screen class ▾	+	↓ Views
			2,694 4.15% of total
1	/climate-change-and-the-environment/invasive-nuisance-species/western-conifer-seed-bug		653
2	/climate-change-and-the-environment/invasive-nuisance-species/invasive-pests/jumping-worm-amynthas-spp-1		642
3	/climate-change-and-the-environment/invasive-nuisance-species/invasive-pests/spotted-lanternfly		210
4	/climate-change-and-the-environment/invasive-nuisance-species/squash-bug		166
5	/climate-change-and-the-environment/invasive-nuisance-species/invasive-plants/exotic-bush-honeysuckles		143
6	/climate-change-and-the-environment/invasive-nuisance-species/invasive-pests/southern-pine-beetle		97
7	/climate-change-and-the-environment/invasive-nuisance-species/invasive-plants		91
8	/climate-change-and-the-environment/invasive-nuisance-species		78
9	/climate-change-and-the-environment/invasive-nuisance-species/invasive-pests/longhorned-tick		56
10	/climate-change-and-the-environment/invasive-nuisance-species/invasive-pests		48

Events:

The major events, such as county fair, where CCE tabled contained a wide variety of CRISP information and publications. These events allowed us to distribute information on most topics pertaining to invasive species and then participants were invited to ask more in depth questions. Also included in this type of large-scale programming is the Forest Landowner Letter Series, which also had a variety of invasive species topics during the year. The list of these type of large-scale tabling events where there was general invasive species information distributed is:

- Greene County Youth Fair, 7/27/-7/30: 500 people reached

- Columbia County Fair, 8/30-9/4: 1300 people reached

- Forest Landowners Letter Series, year-round: 170 people reached

- Arbor Day at Olana, 4/29: 150 people reached

- Schoharie County Sunshine Fair, 8/8-8/13: 1200 people reached

- Otsego County Fair, 8/1-8/6: 600 people reached

- Grahmsville Little World's Fair, 8/16-8/18: 1000 people reached

- Ulster County Fair, 8/1-8/6: 1400 people reached

- Delaware County Fair 8/13-8/19: 1000 people reached

- CCE Acra office, year-round: 500 people reached

- 4H Spring Fest, 4/1: 150 people reached

- AWSMP Spring Explorers, 4/15: 41 people reached

- Phoenicia Farmers Market, 5/28: 64 people reached

CCE included invasive species education into a number of our programs. Again, these tended to theme around the event that was happening, for example if it was a gardening event then the focus would be on the species affecting that type of gardening. As much invasive species materials and education was provided that could be based on the parameters and topic of the workshop. Below is a list of workshops that incorporated invasive species topics into them:

- Stone Ridge SLF Outreach, 3/27: 14 people reached

- Wallkill SLF Outreach, 3/22: 8 people reached

- New Paltz SLF Outreach, 4/12: 9 people reached

- Mutt Masters SLF Outreach, 4/11: 15 people reached

- Ellenville Regional Invasive Species Good and Bad Garden Bugs, 6/8: 6 people reached

- Woodstock Farm Festival, 7/5: 19 people reached

- Soil Health at Chambers School, 7/18: 7 people reached

- Mohonk Preserve Invasive Plants, 7/29: 22 people reached

- Invasive Forest Pests, 9/8: 8 people reached

- Forest Ecology and Silviculture, 4/7 and 9/22: 22 people reached

- Regeneron Volunteer Day, 6/11 and 9/14: 30 people reached

- Summer Plant Walk, 7/25: 13 people reached

- Woodland Exploration, 8/19: 25 people reached

- South Korean Forestry Professionals Tour, 8/30: 5 people reached

- When Nature Calls Podcast, year-round: 10843 downloads

- Ecological Pest Management for Vegetable Crops, 2/11: 9 people reached