

CORNELL COOPERATIVE EXTENSION PROGRAM / STAFF REFERENCE DIRECTORY

As of July 2020

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Reference Directory**

CORNELL COOPERATIVE EXTENSION PROGRAM AND STAFF DIRECTORY

CORNELL COOPERATIVE EXTENSION PROGRAM AND STAFF DIRECTORY

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DEPARTMENT OVERVIEWS

CORNELL COOPERATIVE EXTENSION

Direction

Profile	Name	Phone	Email	Specialty
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	Sarah Dayton, Associate Director, Cornell Cooperative Extension	(607)351- 5899	sfd3@cornell.edu	

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.

Overview

- Agriculture and Food Systems -Cornell Cooperative Extension links the research and extension efforts at Cornell University, the Cornell University Agricultural Experiment Station and the New York State Agricultural Experiment Station, providing the knowledge to maximize New York State's agricultural and natural resources. CCE's regional agriculture teams provide research-based information, programs, and technical assistance to dairy, field crops, vegetable, tree fruit and grape producers all around the state.
- Community and Economic Vitality- Cornell Cooperative Extension's community and economic vitality programs build the capacity of New York State communities to engage in and direct their own futures. Associations partner with campus faculty and staff, local officials, not-for-profits, colleges, planners, policymakers, and community leaders. Research-based education is aimed at empowering individuals and communities to make sound decisions.
- Environment and Natural Resources, Sustainable Energy, and Climate Change - Cornell Cooperative Extension's environment and natural resources programs are designed to help individuals and communities engage in long term plans to sustain the quality and diversity of the natural assets in New York State. Research-based education is focused on conserving and protecting the environment, boosting sustainable energy and mitigating climate change.
- Nutrition, Food Safety and Security, and Obesity Prevention- Partnering with the College of Human Ecology outreach centers, institutes and departments, Cornell Cooperative Extension nutrition programs connect research and practice, are highly collaborative, build on community strengths, and provide knowledge for policymakers. Research-based education is focused on reducing childhood obesity, improving nutrition, and increasing food security and safety.

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- 4-H Youth Development and Children, Youth, and Families - Cornell Cooperative Extension programs are designed to improve the quality of life for all New York State residents. 4-H Youth Development programs align with the national 4-H mission mandates. Family programming addresses support and care at all stages in the life course. Research-based education is focused on improving the social and economic well-being of individuals, families, and communities.

Local Offices

With a presence in every county and New York City, CCE puts research into practice by providing high-value educational programs and university-based resources that help solve real-life problems.

CORNELL COOPERATIVE EXTENSION PROGRAM AND STAFF DIRECTORY

NATURAL RESOURCES

Direction



Patrick Sullivan, (607)-255-8213 pjs31@cornell.edu
Natural Resources
Department Chair



Paul D. Curtis, (607) 227-5927 PDC1@cornell.edu
Natural Resource
Dept. Extension
Leader (DEL)

Mission

The Department of Natural Resources creates knowledge and facilitates learning to improve society's stewardship of the environment and promote a conservation ethos for a sustainable planet.

Overview

Specific programming areas are grouped within five broad categories which address relevant issues statewide. These focus areas are:

- Citizen Science & Civic Ecology – bringing people, nature and science together
- Ecology and Management of Landscapes – providing information for landowners, municipalities & others on topics pertaining to forestry, maple, water resources, invasive pests
- Fish and Wildlife Biology and Management – research on wildlife damage, information on fish and wildlife
- Human Dimensions – bridging natural resources and human interactions
- Youth/4H in Natural Resources – supporting youth programming in environmental education

People

Our students, faculty, partners and outreach program participants explore issues related to biodiversity, ecosystem integrity, climate change, and natural resources management, often in partnership with local groups, state agencies, and national and international environmental organizations. Through diverse education, experience and research opportunities, the Department of Natural Resources offers numerous ways for students, scientists, and citizens to be part of a vital and growing field focused on environmental science and sustainability.






Mailing Address

Cornell Cooperative Extension
Department of Natural
Resources
214 Fernow Hall
226 Mann Drive
Ithaca, NY 14853

CORNELL COOPERATIVE EXTENSION PROGRAM AND STAFF DIRECTORY

SCHOOL OF INTEGRATIVE PLANT SCIENCE (SIPS)

Direction

Profile	Name	Phone	Email	Specialty
<i>Executive Committee</i>				
	Christine Smart, SIPS Council of Extension Leaders	(315) 787-2441	cds14@cornell.edu	Fungal and bacterial plant pathogens Vegetable pathology Vegetable disease management
	Stephen Reiners, Chair Horticulture Section	(315) 787-2311	sr43@cornell.edu	Cultural methods to grow crops, i.e., fertility management, irrigation, optimizing plant populations and variety selection Nutrient recycling
	Jocelyn Rose, Chair Plant Biology Section	607-255-4781	kv35@cornell.edu	Horticulture Plant Biology Plant Pathology and Plant- Microbe Biology
	Jeffrey Doyle, Chair Plant Breeding & Genetics Section	(607) 255-2180	jjd5@cornell.edu	Alfalfa Comparative Genomics Gene And Genome Evolution Legumes Molecular Systematics, Molecular Evolution Photosynthesis Phylogeny Polyploidy Soybean Systematics
	B. Gillian Turgeon, Chair Pathology & Plant- Microbe Biology Section	(607) 254-7458	bgt1@cornell.edu	Microbiology Plant Pathology Plant Pathology and Plant- Microbe Biology Fusarium Head Blight Integrated Pest Management Plant Disease Management Resistant Crop Varieties Soybean Rust Switchgrass Wheat

CORNELL COOPERATIVE EXTENSION PROGRAM AND STAFF DIRECTORY



Antonio DiTommaso, Chair (607) 254-4702
Soil & Crop Sciences
Section

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Agroecology
Biological Weed Control
Critical Thinking, Respect,
Student Curiosity, Weed Biology
Integrated Weed Management
Invasive Plants
Pest Management
Weed Biology
Weed Ecology
Weed Identification Guides
Weed Management
Pest Management
Plant Physiology
Replant Problems
Small Fruit Culture And
Management
Sustainable Agriculture
Weed Management



Marvin Pritts, Director of
Undergraduate studies,
Plant Sciences (607) 255-1778

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Mission

The School of Integrative Plant Science (SIPS) was created in June 2015 by bringing together five departments within the College of Agriculture and Life Sciences under one administrative home. Its vision is “Discovery that connects: new insights for better plants, sustainably grown, serving the world.” In the coming decades, the world must arrive at solutions to the major challenges of feeding a burgeoning population, mitigating and adapting to climate change, and preserving biodiversity and essential ecosystem functions. Plants underpin all agricultural and natural ecosystems and environmental impacts on plant systems will cascade at local, regional, national, and international scales. But plants will also be the basis for solutions. Innovative approaches and revolutionary breakthroughs in plant sciences will be used to meet these challenges and help secure a sustainable future for coming generations.

Overview

- Horticulture-focus on generating and extending knowledge about fruits, vegetables and landscape plants, sustaining the environment, enhancing economic vitality, and improving the quality of life of individuals and their communities.
- Plant Biology - Without plants, life on earth would cease to exist. Plants shape our environment and provide us with food, loss of biodiversity, and new and evolving diseases are threatening both the health of the planet as well as human health and well-being. Research in the plant sciences is greatly significant in addressing aspects of each of these issues.
- Plant Breeding and Genetics- developing novel breeding methodologies and discovering economically important genes and varieties.
- Plant Pathology and Plant-Microbe Biology-interactions between plants and microbes and developing innovative solutions with focus on the origins and consequences of plant diseases. Three areas of concentration include Plant Pathology, Fungal and Oomycete Biology, and Plant-Microbe Biology.


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- Soil & Crop Sciences- focuses on environmentally sustainable agricultural systems to produce food for a world population, the impact of climate change and sustainable biofuel crops, and research on nutrient and carbon fluxes in ecosystems which helps increase nutrient use efficiency, improve soil health and solve greenhouse-gas issues

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NYS INTEGRATED PEST MANAGEMENT

Direction

Profile	Name	Phone	Email	Specialty
	Alejandro Calixto, Director of the NYS Integrated Pest Management, Sr. Extension Associate	315-787-2353	aac273@cornell.edu	

Mission

The New York State Integrated Pest Management Program develops sustainable ways to manage pests and helps people to use methods that minimize environmental, health, and economic risks.

Overview

IPM—integrated pest management—Is the solid science with sound solutions in dealing with pests. We promote safe, least-toxic solutions to both pest and pesticide problems. IPM helps you deal with pests—insects, plant diseases, weeds, and more—with methods that help keep health and environmental risks as low as possible while saving you money. IPM is integrated because it brings together, or integrates, a range of biological, organic, cultural, mechanical, and chemical options for pest problems. And it's about management because you can only manage pests—you can't eliminate them, no matter what people say. Although IPM used to focus on insect pests, the range now includes fungi, bacteria, viruses, weeds, wildlife, and more. Integrated pest management integrates tactics to prevent pests entirely or reduce them to levels you can live with. Our mantra is : **Good science. Good sense. IPM.**

IPM expertise is built around traditional agricultural commodities and the needs of communities and urban settings.

The areas of concentration are separated into two major teams:

- AG IPM teams - focus on pest problems in livestock and field crops, vegetables, fruits, and ornamentals.
- Community IPM team focuses on pest problems in schools and buildings and their surrounding landscapes, in towns big and small.

Stakeholders

In addition, the IPM teams work closely with the following advisory groups:

- **Commodity Working Groups** - set priorities for funding projects and evaluate proposals to our grants program for each of our commodities—vegetables, livestock and field crops, fruit, ornamentals, and community.
 - Members include farmers, consultants and pest management professionals, landscape or building supervisors, community leaders, Cornell University researchers and extension educators, and other stakeholders.

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- **Statewide IPM Grower Advisory Committee** provides advice and direction through meetings with the dean of CALS, the commissioner of Agriculture and Markets, and the IPM Executive Committee.
 - Members include agricultural producers from across the state and Cornell Cooperative Extension educators.
- **Community IPM Coordinating Council** - advises us on Community IPM needs and directions.
 - Members include school and housing superintendents, environmental activists, community leaders, pest management professionals, Cornell faculty, and Cornell Cooperative Extension educators.
- **IPM Operating Committee** provides the policies and directives that guide us.
 - Members include representatives from Cornell University, NYS Ag and Markets, and NYS DEC, as well as representatives from our working groups.
- **IPM Executive Committee** provides oversight and advice on funding allocations, and communicates the concerns of college or state administration to our Operating Committee.
 - Members include representatives from Cornell University, NYS Ag and Markets, and NYS DEC. All members also serve on the IPM Operating Committee.

People

Mailing Address

The main office is at the New York State Agricultural Experiment Station in Geneva, NY.

NYS Integrated Pest Management Program
630 W. North St.
Geneva, NY 14456

phone: 315-787-2208


fax: 315-787-2360

email: nysipm@cornell.edu

CORNELL COOPERATIVE EXTENSION PROGRAM AND STAFF DIRECTORY

ENTOMOLOGY

Director

Profile	Name	Phone	Email	Specialty
	Patrick O'Grady	(607) 255-7723	pmo43@cornell.edu	Phylogeny and taxonomy of Diptera, particularly Drosophilidae; Insect evolution.

Mission

The Department of Entomology's mission is threefold: To pursue studies to understand basic and applied aspects of insect biology; to provide a robust and modern curriculum as part of preeminent undergraduate and graduate programs; and to inform and educate the public about the issues related to insects and other arthropods.

Overview

The Entomology department is situated in to campuses – Ithaca and Geneva and additional field stations..

- Ithaca Campus – includes the insectary, plant pathology greenhouses, the Entomology Library, The insect collection, and the Sarkaria Anthropod Research Laboratory.
- Geneva Campus – includes a library providing reference services and access to paper texts.
- Additional field stations are established in the Hudson Valley Lab where fruit research is conducted and the Lake Erie Research & Extension Laboratory where vineyard research is conducted.

People

Our faculty primarily works on two campuses: Cornell's main campus in Ithaca, New York and the New York State Agricultural Station in Geneva, New York. We also work in two agricultural field stations in the state of New York.

Mailing Address

Ithaca Campus Lisa Westcott Phone: (607) 255-7723 Fax: (607) 255-0939 Email: lew1@cornell.edu Ithaca Mailing Address Cornell University Department of Entomology 2130 Comstock Hall Ithaca, NY 14853	Geneva Campus Holly King Phone: (315) 787-2323 Fax: (315) 787-2326 Email: hak3@cornell.edu Geneva Mailing Address NYSAES Department of Entomology 630 West North Street Barton Lab Geneva, NY 14456
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CORNELL COOPERATIVE EXTENSION PROGRAM AND STAFF DIRECTORY

Cornell Staffing Resources

Department of Natural Resources

Profile	Name	Phone	Email	Specialty
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Ecology and Management of Landscapes

Forest Resources Management



Peter Smallidge, Sr. (607) 592-3640
Extension Associate,
Extension Forester,

Master Forest
Owners Volunteer
Program

Pjs23@cornell.edu

Forest and woodlot mgmt.
Sugarbush mgmt.
Organic and environmental
integrated vegetation mgmt.
Invasive plant mgmt.
Forest health, low impact logging and
silvopasture



Shorna Broussard Allred (607) 255-2149

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Human dimensions of natural
resource management with emphasis
on forest and water resources and
conservation related attitudes and
behavior

Forest Health & Invasive Non-Native Forest Pests



Mark Whitmore, (607) 280-4064

Sr. Extension
Associate

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Biological Control of Forest Insect
Pests
Forest Ecology
Forest Entomology
Non-Native Invasive Forest Pests

Cornell Maple Program



Steve Childs, NYS
Maple Specialist,
Extension Associate

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Sustainable forest
Sugar bush management
Sap collection and processing
technology
Product quality improvement and
grading

Joe Orefice,
Northern NYS
Specialist

(518) 523-9337

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Agroforestry

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Master Naturalists Volunteer Program



Kristi Sullivan, (607) 255-5508
Extension Associate

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Practical approaches to
conserving wildlife and
biodiversity for future
generations

Wildlife conservation and habitat
enhancement
Restoration habitat complexity
Sustain and conserve native
wildlife

Human Dimensions Research
Unit

Agroforestry / Ecoagriculture



Louise Buck, Sr. (607) 255-5994
Extension Associate

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Integrated landscape
management

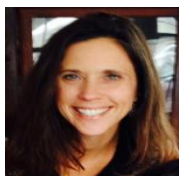
Biological Control of Non-Indigenous Plants



Bernd Blossey (607) 227-1572

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Impact of invasive plants on
native species and food webs
Biological control of
nonindigenous plants
Conservation biology
Plant-insect interactions
Invasion biology



Carrie Brown-Lima, (607) 255-2824
Director NY
Invasive Species
Research Institute

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Integrate invasive species
science and management
Invasive species prevention and
management
Invasive species control

Sustainable Water Resource Management



Rebecca Schneider (607) 255-2110

RLS11@cornell.edu

Sustainable management of
water resources, wetland ecology
and hydrology, plants and
groundwater

CORNELL COOPERATIVE EXTENSION PROGRAM AND STAFF DIRECTORY

Fish and Wildlife Biology Management

Fish and aquatic ecosystems management



Clifford E. Kraft (607) 255-2775 Cek7@cornell.edu

Management of fishery and aquatic resources
Pond, lake, stream fishery habitats
Fishery water control

Nuisance wildlife management, wildlife conservation & habitat enhancement



Paul D. Curtis (607) 227-5927 PDC1@cornell.edu

Population biology of birds and mammal
Public policy education
Management of human-wildlife conflicts

Human Dimensions Research Unit

Citizen Science & Civic Ecology

Behavioral ecology, birds, insects, citizen science, conservation biology



Janis Dickinson, (607) 254-2194 JLD84@cornell.edu
Cornell Lab of Ornithology

Behavioral ecology and conservation biology of birds

Civic Ecology Lab



Marianne Krasny, (607) 255-2822 MEK2@cornell.edu
Director

Environmental education
Urban youth and community environmental program
Civic ecology education

Human Dimensions

Human Dimensions Research Unit

Ecological Dimensions of Human Security










Keith Tidball, Sr. (607) 255-2827 Kgt2@cornell.edu
Extension
Associate, Assistant
Director Cornell
Cooperative
Extension

Application of environmental science to post-conflict and post-disaster social-ecological systems

CORNELL COOPERATIVE EXTENSION PROGRAM AND STAFF DIRECTORY

School of Integrative Plant Science

Horticulture

Profile	Name	Phone	Email	Specialty
	Nina Bassuk Professor	(607) 255-4586	nlb2@cornell.edu	Urban horticulture Woody landscape plants Landscape mgmt. Plant propagation Cornell Structural Soil
	Terence Bates Sr. Research Associate	(716) 792-2800	trb7@cornell.edu	Viticulture Concord grape production
	Taryn Bauerle Associate Professor	(607) 254-4867	tlb33@cornell.edu	Root biology Woody plant physiological ecology Water stress Root herbivory
	Thomas Bjorkman, Professor	(315) 787-2218	tnb1@cornell.edu	Vegetable crop physiology Cover crops Establish year-round Eastern broccoli industry
	Susan Brown, Herman M. Cohn Professor of Agriculture and Life Science	(315) 787-2224	skb3@cornell.edu	Plant breeding (apples) Marker-assisted breeding
	Lailiang Cheng Professor	(607) 255-1779	lc89@cornell.edu	Fruit crop nutrition physiology Carbon and nitrogen metabolism
	Christopher Dunn Adjunct Assoc Prof and E. N. Wilds Director of Cornell Botanic Gardens	607-255-6139	cpd55@cornell.edu	Botanic Gardens Ramin Admin Ctr

CORNELL COOPERATIVE EXTENSION PROGRAM AND STAFF DIRECTORY



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Agroecology
Soil quality and nutrient cycling



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Associate

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Garden-based learning
Children and youth development
Art of horticulture



Ashley Helmholdt
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Garden-Based Learning
Seed to Supper
Vegetable Varieties for Gardeners
Permaculture Courses
Master Gardener Volunteer Program



Phillip Griffiths

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Vegetable breeding
International agriculture



Yu Jiang
Assistant Research
Professor

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Agricultural robotics,
Artificial intelligence in agriculture
Image processing
High throughput plant phenotyping



Jenny Kao-Kniffin
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Invasive Plants
Rhizosphere Microbiology
Weed Ecology



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Cold Climate Grapes
Cold Hardy Grapes
Drought Stress And Wine Quality
Enology
Entomology Extension
Grapevine Viral Disease Management
Horticulture
Insect Management
Soil Health
Specialty Crops Research
Sustainable Production
Sustainable Viticulture
Viticulture
Winery Wastewater Regulation

CORNELL COOPERATIVE EXTENSION PROGRAM AND STAFF DIRECTORY



Neil Mattson
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Floriculture industry and production techniques
Greenhouse horticulture



Bill Miller
Professor

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Floriculture
Greenhouse and nursery crop Physiology
Post-harvest management
Flower bulbs



Gregory Peck
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Sustainable fruit systems



Donald Rakow
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Conservation
Horticulture
Natural Areas
Sustainability



Anu Rangarajan
Sr. Extension
Associate

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Nutritional Quality of Vegetables
Organic
Reduced Tillage
Small Farms
Soil Fertility
Specialty Crop Production & Marketing
Sustainable & Organic Vegetable
Production
Vegetables



Terence Robinson
Professor

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Orchard production systems and management
Fruit tree physiology



Frank S. Rossi ,
Extension Turfgrass
Specialist

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Turfgrass science



Sonja Skelly
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Professor and
Director of
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Botanic Gardens

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Plants and human well being
Public Garden Management

CORNELL COOPERATIVE EXTENSION PROGRAM AND STAFF DIRECTORY



Lynn Sosnoskie,
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Sustainable weed management in
vegetable and fruit crops



Alan Taylor
Professor

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Seed science and technology



Justine Vanden
Heuvel
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N/A

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Viticulture
Wine grape production systems



Thomas Whitlow
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Sustainability
Urban ecology and best management
practices



David Wolfe
Professor

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Climate Change Adaptation & Mitigation
Soil Health
Sustainable Agriculture
Water Management



Kenong Xu
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Plant genome
Fruit production and mgmt.

CORNELL COOPERATIVE EXTENSION PROGRAM AND STAFF DIRECTORY

Plant Biology



William Crepet
Professor

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Angiosperms
Biomedicinals
Floral Evolution
Integration, Synthesis, Conceptual,
Evolution, Phylogenetics
Phylogenetics
Plant Evolution
Plant Systematics
Pollination
Timing



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Advanced Postharvest Physiology
Apple
Arabidopsis
Bioenergy
Biofuel
Biofuels
Genomics
Kidney Bean
Maize
Mitotic Senescence
Molecular Genetics
Plant Biotechnology
Plant Development
Plant Hormones
Plant Molecular Biology
Plant Senescence
Populus
Post-Mitotic Senescence
Postharvest Biology
Rice
Soybean
Tobacco



Maria A. Gandolfo
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Paleobotany
diversification and evolution of
angiosperms
plant anatomy



Kevin Nixon
Professor

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Online Identification Herbarium
Origin & Diversification Of Angiosperms
Phylogenetics
Plant Systematics
Plant Taxonomy
Quercus

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Systematics Phylogenetics Plant Diversity
Theory Analysis Tropical Families
Taxonomy of Quercus



Adrienne Roeder
Associate Professor

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Plant Cell Biology
Plant Development



Michael Scanlon
Professor

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Developmental Biology
Evolution
Genetics
Plant Developmental Genetics
Weed to Wonder; Public Outreach

CORNELL COOPERATIVE EXTENSION PROGRAM AND STAFF DIRECTORY

Plant Breeding and Genetics



Walter De Jong
Associate Professor

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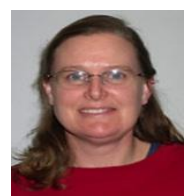
Breeding
Molecular Genetics
Potato
Potato Breeding
Virology



Peter Gregory
Adjunct Professor

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International Programs
Agricultural Biotechnology
International Development
GM crops



Julie Hansen
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Associate

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Alfalfa Snout Beetle Resistance in Alfalfa
Bioenergy Feedstock
Birdsfoot Trefoil Breeding
Brown Root Rot Resistance in Alfalfa
Forage Breeding Methods
Forage Quality
Forage Research
Forage Variety Evaluation
Industrial Hemp Variety Evaluation
Perennial Grass for Bioenergy Feedstock
Plant Breeding and Variety Development
Potato Leafhopper Resistance in Alfalfa
Variety Trial Yield Results



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Biochemical Genetics
Cucumber
Melon
Peas
Pepper
Plant Breeding
Plant Genetics
Squash
Watermelon



Susan McCouch
Professor

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Biology Curriculum
Database Development and Design
Gene Discovery
Global Food Production
Molecular Breeding
Molecular Genetics Technology
Rice Molecular Genetics

CORNELL COOPERATIVE EXTENSION PROGRAM AND STAFF DIRECTORY



Martha Mutschler-
Chu
Professor

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Breeding Methodology
Disease Resistance
Doubled Haploid Onions
Insect Resistance
Integrated Pest Management
Onion Breeding
Onion Disease Resistance
Onion Genetics
Onion Mildness
Onion Quality
Plant Insect Interactions
Tomato Breeding
Tomato Disease & Insect Resistance
Tomato Genetics



Kandukuri Raman
Adjunct Professor &
Associate Director
(Special Projects)

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Global Issues in Plant and Animal
Sciences; Value Addition and Marketing;
Rural Infrastructure
Iard
International Agriculture & Rural
Development
Agricultural Biotechnology,
Integrated Pest Management



Bruce Reisch
Professor

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Breeding
Disease Resistance
Genetic Mapping
Genetics
Genomics
Grape Breeding
Grapevine Biology
Linkage Mapping
Marker Assisted Selection
Marker-Assisted Selection
Molecular Mapping
Molecular Markers
Plant Biotechnology
Plant Breeding
Plant Genetics
Viticulture
Vitis
Wine

CORNELL COOPERATIVE EXTENSION PROGRAM AND STAFF DIRECTORY



Kelly Robbins
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Bayesian Statistics
International Agriculture
Mixed Models
Quantitative Genetics



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Agricultural Biotechnology

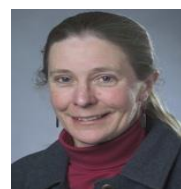


Lawrence Smart
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Willow bioenergy crops
Breeding
Genomics



Margaret Smith
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Abiotic Stress Tolerance
Corn Breeding
Corn Breeding for Insect and Disease Resistance
Corn Breeding for Organic and Sustainable Agriculture
Genetically Engineered Crop Plants
Genetically Engineered Crops
Host Plant Resistance
Maize Breeding & Genetics
Plant Breeding
Seed Certification
Variety Evaluation & Variety Selection



Mark E. Sorrells,
M.E. Sorrells
Fellow

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Ancient Grains
Breeding Methods
Heritage Wheat Varieties
Inbreeding Methods
Malting Barley Varieties
Molecular Breeding
Naked Barley
Oat Varieties
Organic Grain Breeding
Plant Breeding Methods
Population & Selection
Small Grains
Specialty Grains
Testing Strategies
Wheat Varieties

CORNELL COOPERATIVE EXTENSION PROGRAM AND STAFF DIRECTORY



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Alfalfa
Biofuel
Birdsfoot Trefoil
Breeding Methodology
Disease and Insect Resistance
Forage Cultivars
Forage Quality
Forage Yield Evaluation
Forages
Perennial Biofuel Feedstocks
Pest Resistance
Plant Breeding
Quantitative Genetics
Yield



Courtney Weber
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Fruit Breeding, Plant Breeding
Genetic Mapping
Molecular Markers
Phytophthora
Small Fruits- Strawberry, Raspberry

CORNELL COOPERATIVE EXTENSION PROGRAM AND STAFF DIRECTORY

Plant Pathology & Plant Microbe Biology



Gary Bergstrom

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Biology

Epidemiology

Integrated management of diseases of
wheat, corn, soybean, forage legumes



Kerik Cox

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Apples

Berry Crops

Disease Diagnosis

Disease Management

Education

Extension Pathology

Fruit Pathology

Fungicide Resistance

Mycology

Orchard Ecology

Pesticide

Small Fruit

Tree Fruit



Marc Fuchs

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Biotechnology

Epidemiology

Etiology Management

Plant Virology

Virus, Vegetables, Fruit Crops, Indexing,
Informed Decision, Management



David Gadoury

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Apple Diseases

Epidemiology

Fruit Diseases

Grape Diseases

Mycology

Pathogen Biology

Pathogen Ecology

Plant Pathology

Vegetable Diseases



Stewart Gray

Courtesy Professor

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Plant Pathology and Plant-Microbe
Biology



Katie Gold

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GrapeSPEC – Sensing, Pathology, and
Extension at Cornell AgriTech

CORNELL COOPERATIVE EXTENSION PROGRAM AND STAFF DIRECTORY



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Clavicipitaceae
Entomophthorales
Evolution
Food
Fungi
Insect Pathogens
Lab
Molds
Mushrooms
Plant Diseases
Spoilage
Systematics
Taxonomy



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Bioinformatics
Disease Resistance
Genomics
Marker Assisted Selection
Plant Breeding
Plant Pathology
Quantitative Genetics
Rosaceous Fruit Crops



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Annotation
Bioinformatics
Community Outreach
Database
Genomics
Internet
Molecular Mechanisms
Pathogenicity
Plant Pathogenesis
Plant-Microbe Interactions
Pseudomonas Syringae
Science Education



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Agricultural Development
Exserohilum Turcicum
Food and Nutritional Security
Food Security
Molecular Genetics
Multiple Disease Resistance
Plant Defense
Poverty, Qtl
Quantitative Resistance
Rural Livelihoods
Sustainable Agriculture
World Hunger

CORNELL COOPERATIVE EXTENSION PROGRAM AND STAFF DIRECTORY



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Disease
Grape
Plant Pathology
Potato
Vector
Virus



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Disease Management
Plant Pathology
Potatoes
Processing Vegetables
Quantitative Disease Epidemiology
Vegetable Production



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Agricultural Biosecurity
Plant Disease Diagnostics
Plant Disease Outreach

CORNELL COOPERATIVE EXTENSION PROGRAM AND STAFF DIRECTORY

Soil & Crop Sciences



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Avian Influenza Compost Plan
Characterizing Organic Residuals to Find
Beneficial Uses
Compost Quality, Compost Use
Farm Waste Management, Manure As
Dairy Bedding; Manure Management
Mass Casualty Disposal Response in
Livestock Disasters
Mortality Disposal, Mortality and Roadkill
Composting, Natural Rendering
Soil Quality and Testing, Health And
Safety, Urban Gardens
Waste Management Education



Daniel Buckley
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Genomics
Microbiology
Soil and Crop Sciences

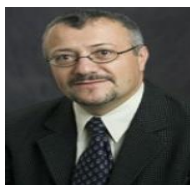


Jerome Cherney
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Forage Crops
Forage Management
Forage Quality
Grass Biofuel
Pastures and Grazing



Antonio DiTommaso
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Agroecology
Biological Weed Control
Critical Thinking, Respect, Student
Curiosity, Weed Biology
Integrated Weed Management
Invasive Plants
Pest Management
Weed Biology
Weed Ecology
Weed Identification Guides
Weed Management



Deborah Grantham
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Associate

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Environment
Hyperspectral Reflectance
Natural Resources
Remote Sensing
Soils

CORNELL COOPERATIVE EXTENSION PROGRAM AND STAFF DIRECTORY



Peter Hobbs
Adjunct Professor;
Associate Director
IP-CALS academic
program

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Agroforestry
Agronomy
Conservation Agriculture
Cropping Systems
Forest Farming
Gmo's
International & Tropical Agriculture
Soil Health
Traditional Agriculture
Tropical Cropping Systems
Weed Science



Susan Hoskins
Sr. Extension
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4-H Geospatial Sciences
Airphoto Interpretation
Drones
Gis
Gps
Land Use/Land Cover Mapping
Remote Sensing
Resource Inventory
Spatial Data Development
Spatial Thinking
Unmanned Aerial Vehicles
Wetlands Mapping
Youth Development



Julie Lauren
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Agricultural Extension
Arsenic
Conservation Agriculture
Field Crops, Tropical Cropping Systems,
Soil Science
Food Security
Grain Legumes
Green Manures
Greenhouse Gas Emissions
Increasing Livelihoods
International Agriculture
Methane
Micronutrient Soil Fertility
Nutrient Management
Permanent Raised Beds
Poor Smallholder Farmers
Rice-Wheat Cropping Systems
Soil Carbon Sequestration
Soil Health
Soil Management Technologies
Soil Nitrogen Dynamics/Nitrogen
Isotopes
Soil Quality

CORNELL COOPERATIVE EXTENSION PROGRAM AND STAFF DIRECTORY

Technology Adoption



Murray McBride
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Biosphere
Chemistry of Trace & Toxic Metals in
Soils
Environmental Chemistry
Heavy Metals
Hydrosphere
Lead (Pb)
Lithosphere
Organic Residuals
Pollution
Soil Chemistry, Health, Tests
Surface Chemistry of Minerals
Urban Gardening



Andrew McDonald

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Cropping systems ecology
Agricultural sustainability and food
security
International agriculture, policy, applied
social sciences, water resources, and
climate



Jeffrey Melkonian
Sr. Research
Associate

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Climate
Crop Growth Modeling
Crop Physiology
Crop Water Use Modeling
Cropping Systems
Environment
Maize
Models
Nitrogen
Nitrogen Fertilizer Recommendation
Soil Nitrogen Modeling
Water



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Soil survey
Geostatistics
spatial modeling of the environment

CORNELL COOPERATIVE EXTENSION PROGRAM AND STAFF DIRECTORY



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Contaminates
Contamination
Pollution
Soil
Soil Health
Urban Agriculture

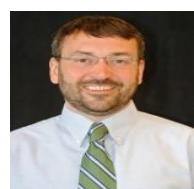


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Atomic Spectroscopy,
Icp-Aes,
Mineral Nutrition
Corpoica ,
International Agriculture



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Soil and Crop Sciences
sustainable cropping systems



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Cornell Waste Management Institute
[Healthy Soils, Healthy Communities](#)



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Associate

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4-H Geospatial Leadership Team
4-H Youth Development
Geographic Information Systems
Geospatial
Gis
Global Positioning System
Land Use Mapping
Off-Campus
Professional Education
Professional Support
Remote Sensing
Web-Based Support
Workshops
Nitrogen Management
Precision & Computational Agriculture
Soil & Water Management
Soil Health
Space-Time Statistics



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CORNELL COOPERATIVE EXTENSION PROGRAM AND STAFF DIRECTORY



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Sr. Research
Associate

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Sustainability of agricultural and forest
ecosystems



Dominic Woolf

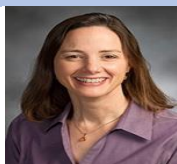
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Soil carbon sequestration, restoration of
degraded land, sustainable landscape
management, climate-smart agriculture,
agroforestry, soil and water
conservation, reforestation, biochar, and
bioenergy with carbon capture and
storage.


Department of Earth & Atmospheric Sciences

Profile	Name	Phone	Email	Specialty
	Susan J. Riha Professor	(607) 255-1729	sjr4@cornell.edu	interaction of plants with their physical environment

Department of Food Science

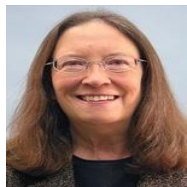
Profile	Name	Phone	Email	Specialty
	Elizabeth Bihn Sr. Extension Associate	(315) 787-2625	eab38@cornell.edu	Educational Material Design Educational Materials Food Safety Fresh Fruits & Vegetables Good Agricultural Practices Microbiology Online Produce Safety Course

Long Island Horticultural Research and Extension Center-Riverhead, NY

Profile	Name	Phone	Email	Specialty
	Mark Bridgen Professor Director, Long Island Horticultural Research and Extension Center	(631) 727-3595	mpb27@cornell.edu	Bulbs Chickens Chile Chrysanthemum Chrysanthemums Cut Flowers Embryo Culture Floriculture Geophytes Greenhouse Horticulture

CORNELL COOPERATIVE EXTENSION PROGRAM AND STAFF DIRECTORY

Greenhouse Production
Herbaceous Ornamental Plants
High Tunnels
New Plant Development
Plant Biodiversity
Plant Breeding
Plant Exploration & Collection
Plant Micropropagation
Plant Propagation
Plant Tissue Culture
Poinsettias
Season Extension
Somaclonal Variation
Ultraviolet-C Radiation



Margery Daughtry (631) 727-3595
Sr. Extension Associate
Long Island Horticultural Research Extension Center

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Disease Management
Diseases of Ornamentals- Downy Mildew, Phytophthora, Powdery Mildew, Pythium









Margaret McGrath (631) 727-3595
Associate Professor
Long Island Horticultural Research Extension Center

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Epidemiology
Fungicide Resistance
Impact of Ambient Ozone on Plant Productivity
Integrated Pest Management
Organic Crop Production
Organic Disease Management
Sustainable Agricultural Practices
Vegetable Crop Diseases
Vegetable Diseases
Managing vegetable diseases

CORNELL COOPERATIVE EXTENSION PROGRAM AND STAFF DIRECTORY

Department of Entomology

Profile	Name	Phone	Email	Specialty
Ithaca Campus				
	Laura Harrington	(607) 255-4475	lch27@cornell.edu	Mosquitoes and vector borne diseases Identification of insects
	John Sanderson	(607) 255-5419	ips3@cornell.edu	Pest Management of greenhouse arthropod pests Alternative solutions to pesticides Biological controls Arthropod predators and parasitoids, Fungal pathogens of insects
	Jason Dombroskie, Sr. Extension Associate	(607) 255-6530	jjd278@cornell.edu	Cornell University Insect Collection Insect Diagnostic Lab
	Mary Centrella, PMEP Director and Educator	(607) 255-1866	mlc344@cornell.edu	Program direction, collaborations, and funding Environmental risk assessments Pollinator protection Pesticide mode of action and active ingredients General pesticide safety and use Pesticide registration PMEP Distance Learning Center (online recertification courses) Cornell Crop and Pest Management Guidelines Pesticide application technology General pesticide safety and use Pesticide applicator training manuals Ordering applicator training manuals and Cornell Crop and Pest Management Guidelines Health and environmental effects of glyphosate (e.g., Roundup) General pesticide safety and use (e.g., regulations, reading a label, exposure concerns)
	Michael Helms, Extension Support Specialist	(607) 255-1866	mjh14@cornell.edu	
	Dan Wixted	(607) 255-1866	djw47@cornell.edu	

CORNELL COOPERATIVE EXTENSION PROGRAM AND STAFF DIRECTORY

Hudson Valley Field Laboratory

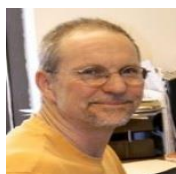


Peter Jentsch, Sr.
Extension Associate

(845) 691-6516 pjj5@cornell.edu

Apple, Pear, Grape, Vegetable
Arthropod, Insect, Mite
biological controls
Integrated Pest Management
Organic IPM
Tree Fruit IPM

Geneva Campus



Gregory Loeb

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Insect and mite pest
management for small fruit and
grape
Pest management guidelines



Jan Nyrop

(315) 787-2355 jpn2@cornell.edu

Biology and ecology of invasions
Invasive management

NYS Integrated Pest Management Staff

Profile	Name	Phone	Email	Specialty
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AG IPM TEAM



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Integrated Weed Management
Specialist



Juliet Carroll (315) 787-2430 jec3@cornell.edu

Fruit IPM Coordinator



Amara Dunn (315) 787-2430 arc55@cornell.edu

Biocontrol Specialist

CORNELL COOPERATIVE EXTENSION PROGRAM AND STAFF DIRECTORY



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Ornamentals IPM Extension Area
Educator



Elizabeth Lamb (607) 254-8800

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Ornamentals IPM Coordinator and
Greenhouse Vegetable IPM Specialist



Dan Olmstead (315) 787-2334

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Coordinator, Network for
Environment and Weather
Applications



Abby Seaman (315) 787-2334

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Vegetable IPM Coordinator



Kenneth Wise (845) 677-8223
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Livestock & Field Crops IPM Extension
Area Educator



Marion Zuefle (315) 787-2379

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Vegetable IPM Extension Area
Educator

COMMUNITY IPM TEAMS



Lynn Br



Matt Frye (914) 285-4633

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Community IPM Extension Area
Educator



Jody Gangloff-Kaufmann (631) 539-8680

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Community IPM Coordinator



Joellen
Lampman (518) 441-1303

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School and Turfgrass IPM Extension
Support Specialist

CORNELL COOPERATIVE EXTENSION PROGRAM AND STAFF DIRECTORY



Debra Marvin

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Community IPM Program Assistant for
Schools, Daycare and Horticulture

Appendices

Titles:

Sr. Extension Associate
Extension Associate

Senior extension associates provide leadership in planning, developing, coordinating, implementing, and evaluating complex, state-of-the-art educational extension and outreach programs. Senior extension associates independently carry out innovative applied research programs, supervise professional and administrative staff, and work with faculty and clientele. They possess in-depth knowledge of relevant state or national extension systems, and they are recognized experts in their fields as demonstrated by extensive professional publications and contacts. Senior extension associates also apply advanced problem-solving and administrative skills that contribute to the financial and organizational aspects of program management. Although precise duties and responsibilities vary from position to position, senior extension associates are expected to work effectively with faculty, governmental officials, colleagues, and volunteers, and, in some instances, to serve as senior administrators.

Extension associates are responsible, under the general supervision of faculty or senior extension associates, for planning and implementing educational extension programs. They collaborate with representatives from communities and with researchers in the college or school to plan, conduct, maintain, and/or evaluate innovative educational programs that address specific local, multi-county, or statewide needs. Although precise duties and responsibilities will vary from position to position, all extension associates are expected to conduct applied research, work effectively with colleagues or volunteers, act as community educators, and serve as liaisons – as project and/or area program team leaders – between the university and the public. An extension associate does not normally have responsibilities for graduate students.

CORNELL COOPERATIVE EXTENSION PROGRAM AND STAFF DIRECTORY

CCE NY Extension Disaster Education Network (NY Eden)

<http://eden.cce.cornell.edu/disasters/pages/drought.aspx>

The New York Extension Disaster Education Network (NY EDEN) is a collaborative educational network based at Cornell University, dedicated to educating New York residents about preventing, preparing for and recovering from emergencies and disasters that could affect their families and communities. NY EDEN is affiliated with both the national USDA Extension Disaster Education Network (EDEN) and with Cornell University Cooperative Extension.

NY EDEN works to link the emergency preparedness resources of New York agencies and organizations with the community networking and outreach capabilities of Cornell Cooperative Extension Education Centers throughout the state.

The goals of NY EDEN are to:

Disseminate educational materials relating to emergency preparedness and recovery in order to reduce the impact of disasters on individuals and communities.

Provide emergency preparedness training and resources for Cooperative Extension Staff, businesses and community residents.

Assist CCE Associations in establishing partnerships and plans to assist their communities, through education, in emergency/disaster preparations and recovery.

Distribute credible resource materials before, during, and after a disaster.

CORNELL COOPERATIVE EXTENSION PROGRAM AND STAFF DIRECTORY

Weblinks

Reference Information

Cornell Cooperative Extension:	http://cce.cornell.edu/ http://cce.cornell.edu/info/about
School of Integrative Plant Science:	https://sips.cals.cornell.edu/about
SIPS School Sections:	https://sips.cals.cornell.edu/about/school-sections
Department of Natural Resources:	http://www.dnr.cornell.edu
Department of Horticulture:	http://hort.cals.cornell.edu
Department of Entomology:	https://entomology.cals.cornell.edu/

Extension Resources in SIPS:

- [COVID 19 Resources](#)
SIPS-wide COVID-19 resources for growers, gardeners, green industry professionals and educators
- [Gardening for Spring 2020](#)
A blog series specifically for supporting new gardeners during the pandemic.
- [The Art of SIPS](#)
- [SIPS Education Resources](#)
Cornell Garden-Based Learning, Horticulture Distance Learning, Cornell Botanic Gardens and Farms
- [Food Production Resources](#)
Field Crops, Fruit, Vegetables, Mushrooms and Gardening Resources
- [Vegetable MD Online](#)
Vegetable MD Online helps ordinary people and farmers identify and manage plant diseases. Users can browse many color photos sorted by crop and disease as well as consult vegetable disease fact sheets for recommendations.
- [Glossary of Technical Terms in Plant Pathology](#)
Definitions and pronunciation guide of important terms in plant disease management.
- [Northeast Plant Diagnostic Network](#)
The Northeast Plant Diagnostic Network (NEPDN) is a coordination center for monitoring invasive plant diseases and insects.
- [Sustainable Landscapes Resources](#)
Urban Horticulture, Bioenergy and Turfgrass Resources

CORNELL COOPERATIVE EXTENSION PROGRAM AND STAFF DIRECTORY

Diagnostic Labs

Plant Diagnostics Lab

Plant Diagnostic Clinic: <http://plantclinic.cornell.edu>

The Plant Disease Diagnostic Clinic is a facility of the [Section of Plant Pathology and Plant-Microbe Biology within the School of Integrative Plant Science](#) at Cornell University. The Clinic provides fast and accurate plant disease diagnosis and up-to-date pest control recommendations for anyone from home owners to commercial growers. Services include analysis of plant material and soil for bacterial, fungal, viral, and nematode pathogen.

Plant Diagnostic Clinic factsheets: <http://plantclinic.cornell.edu/factsheets.html>

Leaf Doctor - iPhone, android ap that lets you diagnose how damaged a plant is

<http://news.cornell.edu/stories/2015/06/free-app-helps-diagnose-leaf-or-death-situations>

Cornell Insect Diagnostic Lab (IDL)

Sample Submission Directions <http://idl.entomology.cornell.edu/sample-directions>

This site will tell you what to do to send something to the lab for identification

Notify the lab that a sample is coming: IDLDiagnosticLab@cornell.edu

Forms to be used:

For Cornell Cooperative Extension agents - use the following form:

<https://blogs.cornell.edu/insectid/files/2013/11/IDL-CCE-Info-Sheet-19hca51.pdf>

For the general public – use the following form:

<https://blogs.cornell.edu/insectid/files/2013/11/IDL-Submission-Form-for-samples-ra8whh.pdf>

Digital Photographs: IDLDiagnosticLab@cornell.edu

Clear close-up photos of an insect or related organism can be sent to the lab.

Fees

There is a \$25 fee associated with sending in a sample or a photo for identification.

Make check out to Cornell University.

For TICK evaluations: <https://ahdc.vet.cornell.edu/programs/tick/>

Additional information on Ticks - <http://www.cdc.gov/ticks/index.html>

CORNELL COOPERATIVE EXTENSION PROGRAM AND STAFF DIRECTORY

Insect Diagnostic Lab Factsheets –

<http://idl.entomology.cornell.edu/factsheets/>

Pdf files are available for your use. These files are updated regularly and cover many areas of insect identification. Factsheets are grouped by category and can easily be downloaded to your computer. They are grouped into similar categories for ease of access.

They include: Household / indoor pests, Biting/stinging, Wood/lumber , Trees/shrubs, Vegetable / garden, Houseplants, Outdoor / miscellaneous.

SHIPPING ADDRESS: INSECT DIAGNOSTIC LAB
CORNELL UNIVERSITY
2144 COMSTOCK HALL, ENTOMOLOGY
ITHACA NY 14853-2601

Cornell Nutrient Analysis Laboratory (CNAL) <https://cnal.cals.cornell.edu/analyses/>

This web site will tell you which form to use for the specific analysis to be performed.

The types of analysis performed includes the following:

Soil analysis for commercial field crops, vegetables, fruits, home gardens, and research

- Soil Analysis Form: http://css.cornell.edu/cnal-forms/CNAL_Form_S.pdf
- Soil Analysis Instructions: <http://css.cornell.edu/cnal-forms/CNAL-Soil-Sampling-Instructions.pdf>

Plant tissue analysis for grape petiole, small fruit, tree fruit, corn stalk nitrate, and research

Water analysis including solutions and extracts for research

Compost analysis

Environmental analysis

Greenhouse potting soil and root media

The appropriate sample id forms are included in <https://cnal.cals.cornell.edu/analyses/>

Mail samples to: Cornell Nutrient Analysis Laboratory

G01 Bradfield Hall
306 Tower Rd.
Cornell University
Ithaca, NY 14853 USA

CORNELL COOPERATIVE EXTENSION PROGRAM AND STAFF DIRECTORY

External Analysis Resources

Fertilization Recommendations: <http://dairystone.com/analytical-services/agronomy-services/soil-testing/>

CNAL does not provide fertilizer recommendations. Clients who want fertilizer recommendations based on Cornell University research should contact [AgroOne](#).

An agronomic soil test extracts a portion of the plant available nutrients contained in a soil sample and results are then classified as low, medium, high or very high based on expected crop response to added crop nutrients, crops grown on soils that test high to very high for a specific nutrient are not likely to respond with a yield increase if that nutrient is applied to the soil. However, soils testing low or medium for that nutrient are likely to show improved yield and quality if that nutrient is applied (provided other nutrients are present in adequate amounts).

Soil testing is a required component of nutrient management plans for many commercial farming operations as well as for purchase of phosphorous containing fertilizers for use on established lawns in some Northeast states.

Forms required by AgroOne: <http://dairystone.com/general-resources/forms/>

Master Gardener Volunteers

Relevant Resources

Diagnosing Plant Problems Website: <http://plantclinic.cornell.edu/mastergardner.html>

Cooperative Extension Master Gardener Volunteer Program (Overview):

<https://gardening.cals.cornell.edu/cornell-cooperative-extension-master-gardener-volunteer-program/>

All County Based CCE Extension Contacts at: <https://gardening.cals.cornell.edu/garden-guidance/ny-local-resources/>

Related Cornell Garden-Based Learning Statewide Program Resources:

- New York State Seed to Supper: <https://gardening.cals.cornell.edu/for-cce-staff/new-york-state-seed-to-supper/>
- Vegetable Varieties for Gardeners and Trial Gardens: <https://gardening.cals.cornell.edu/citizen-science/>
- Gardening in a Warming World: <https://gardening.cals.cornell.edu/garden-guidance/gww/>

For CCE Community Horticulture Educators and Master Gardener Volunteer Coordinators:

All Core Preparation for Master Gardener Volunteers is housed on the Moodle Course titled:

The Cornell-Garden Based Learning Library - found at: <https://moodle.cce.cornell.edu/course/view.php?id=168>

1. Set up a Moodle Account.
2. [Ashley Helmholdt](#) will enroll you in the course.
3. Search, download and print all updated Garden Based Learning Library materials for your MGV training.