

New York's 35,500 farms grossed \$6.4 billion and supported nearly 200,000 agricultural jobs in 2015. The state is a national leader in dairy, apples, wine, maple syrup, bedding plants, and many vegetables. Cornell plays a vital role in developing each of these industries.

An Agricultural Experiment Station for the 21st Century

Cornell University
Agricultural Experiment Station

Research Farms

Science to Improve
People's Lives

Ithaca • Aurora • Freeville
Willsboro • Long Island



Cornell University
College of Agriculture
and Life Sciences

Our world-class research farms are the bridge between academic discovery and commercial application, contributing to a thriving economy.

Homer C. Thompson Vegetable Research Farm,
Freeville | 260 acres
Vegetables

Musgrave Research Farm, Aurora | 450 acres
Field crops

Bluegrass Lane Turf & Landscape Research Center,
Ithaca | 28 acres
Turfgrass, floriculture, woody plants

Cornell Orchards, Ithaca and Lansing | 44 acres
Tree fruit, vineyards, berries

Willsboro Research Farm, Willsboro | 352 acres
Field crops, vineyard, juneberries

Long Island Horticultural Research & Extension
Center, Riverhead | 68 acres
Floriculture, ornamentals, vegetables, vineyard

Campus Area Farms, Ithaca | 325 acres
Field crops, bioenergy crops, vegetables

Dilmun Hill, Ithaca | 12 acres
Student-run vegetable farm

Farm Services in Ithaca operates the 4-acre compost facility and provides equipment services to research programs and farms.



What we do

We support the research that feeds New York and the world, strengthens regional economies, and improves people's lives.

Our dedicated staff work collaboratively with researchers. They provide and maintain the vital equipment, facilities, and land to enable and advance agricultural research, teaching, and community outreach.

Community engagement in many forms:

Public engagement in many forms:

- Popular field days attract farmers, producers, and industry professionals
- School tours and workshops for students from elementary to graduate school
- Produce donations—nearly 2 million pounds for area foodbanks
- Student-run farm provides experiential learning, and produce to the local community
- Award-winning compost service reduces Cornell's solid waste by half

What researchers say about us

Cornell's farms and research stations are all about location, location, location ... in the heart of the most important agricultural counties in New York, and having many wonderful growers to work with.

—Meg McGrath, Professor
Plant Pathology and Plant-Microbe Biology

Each farm provides relevant soil types, environments and cropping systems so our results are pertinent to New York's agriculture. And farm staff are fantastic—always ready to help, no matter the weather or how many balls they have in the air. Then there's the sheer beauty of many of these sites. On a clear day at Musgrave I can look up from pollinating corn and gaze across Cayuga Lake to the far side of Seneca Lake. It's lovely.

—Margaret Smith, Professor
Plant Breeding and Genetics

I can inoculate plots on Cornell University research farms with plant-pathogenic microbes, then evaluate yet-to-be-proven technologies, including the newest crop varieties, chemicals, biological control agents, and cultural practices. Such research ensures that New York's farmers benefit from regional crop-management recommendations even as they're spared the necessary risks of the experiments that led to them.

—Gary Bergstrom, Professor
Plant Pathology and Plant-Microbe Biology

Our agricultural experiment stations are the only places we have for long-term experiments that provide unique insight into new approaches for sustainable and environmentally sound food-production practices.

—David Wolfe, Professor
Horticulture

For every research need, a site that fits

- 4,000+ acres of farmland, forests, orchards, and natural areas
- Diverse soil types and four plant hardiness zones represent New York
- Certified organic acreage on four farms
- 52 lysimeter plots next to Lake Champlain
- High tunnels for season extension
- Technologies enabling digital agriculture
- Integration of field operations with greenhouses and plant growth chambers
- Established perennial crop plantings, including apples, grapes, and small fruits
- Exceptional farming opportunities for Cornell students

Current research includes 100+ projects in:

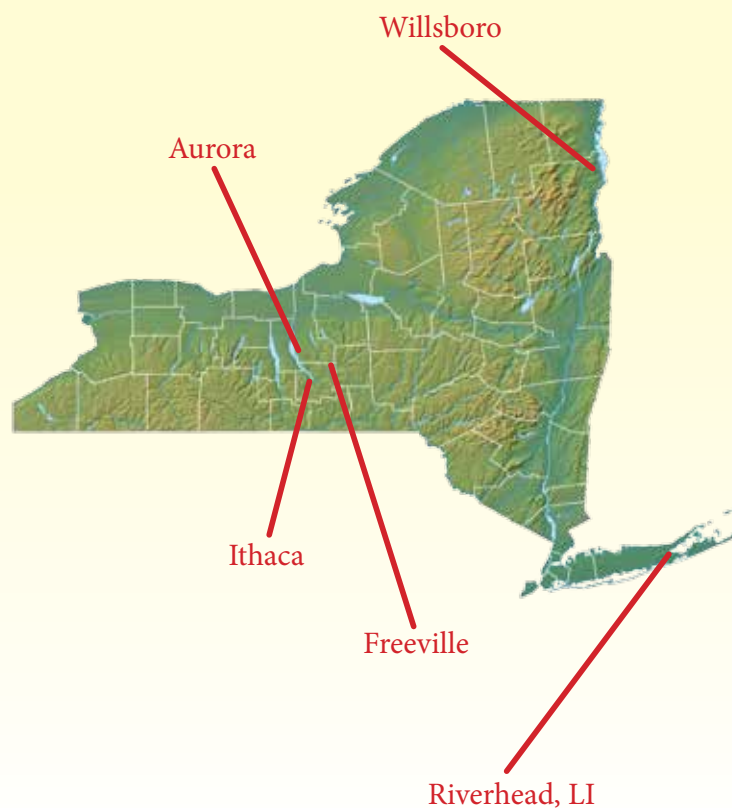
- Biological and Environmental Engineering
- Earth and Atmospheric Sciences
- Ecology and Evolutionary Biology
- Entomology
- Food Science
- Horticulture
- Natural Resources
- Plant Breeding and Genetics
- Plant Pathology
- Soil and Crop Sciences



Research highlights

- Breeding forages for New York climates
- Weed control strategies for field crops and specialty vegetables
- Developing high-yielding chipping potatoes
- Cold-hardy grape cultivars for northern wineries
- Blight-resistant tomatoes, potatoes, and onions
- Groundwater denitrification system for agriculture
- Organic and heritage grain evaluations
- Biological control strategies for invasive insects
- Pioneering climate resilient farm practices
- Crop rotations and cover cropping strategies for long-term soil health and productivity
- High tunnel season extension for specialty crops
- Developing a regional broccoli industry
- DNA gene marking in tomatoes
- Extending the storage life of apples while maintaining nutrients
- Developing cultivars and methods to help trees thrive in cities

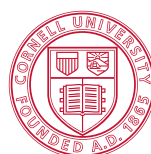
Where we are



Contact us

Cornell University
Agricultural Experiment Station
349 Roberts Hall
Ithaca, NY 14853

607-255-2552
CUAESreception@cornell.edu
www.cuaes.cornell.edu



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