

# IMPACT

NEW YORK'S LAND GRANT COLLEGE

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## NEW YORK STATE AGRICULTURAL EXPERIMENT STATION

For more than 125 years, Cornell's New York State Agricultural Experiment Station (NYSAES) in Geneva has developed cutting-edge technologies essential to feeding the world and strengthening New York economies. From developing safe and nutritious foods to pioneering means to preserve the environment, NYSAES has been addressing the concerns and serving millions of New York consumers, agricultural producers, food businesses and farm families throughout the state. Moving into the 21st century, New York must capitalize on new food and agricultural opportunities and NYSAES is uniquely positioned to translate state-of-the-art research into industry innovation and economic growth.



### SOME EXAMPLES:

- Food processing experts at the New York State Food Venture Center advise and assist more than 200 major and small-scale food processors in all corners of the state in the development of hundreds of new food products each year. These New York businesses now experience the benefits of being part of the growing \$40 billion specialty foods market.
- Food scientists in Geneva and Ithaca put \$1.67 million from the U.S. Department of Agriculture to work, preventing food-borne pathogens on fresh fruits and vegetables from becoming health hazards as they travel from farm to consumer. In 2009, nationwide costs associated with Salmonella illness alone exceeded \$2.6 billion.
- The world recognizes the outstanding quality of New York wines and NYSAES has helped the state's vineyards and wineries grow into an industry that employs 17,000 people and contributes \$3.7 billion to the state economy. Exciting new market opportunities for New York wineries and vineyards have opened up thanks to the Experiment Station's research on grape growing and wine production, and extension work done through the enology and viticulture programs.
- NYSAES is developing new markets for New York. A \$4.9 million public-private project, led by Cornell-NYSAES researchers, is working to develop a \$100 million broccoli industry in the eastern United States.
- New apple varieties, NY 1 and NY 2, will soon be added to the list of 64 named cultivars developed by Cornell plant breeders at Geneva, building on an extraordinary 118-year record of Cornell-NYSAES contributions to the profitability of the nation's second leading apple industry (\$250 million). More than 140 New York State growers are planning to plant 900,000 trees of the new licensed varieties for both direct and wholesale markets on 948 acres between 2012 and 2015.
- NYSAES faculty and Cornell Cooperative Extension specialists form the front line in the battle against invasive pests and diseases that continue to threaten New York fields and forests. To prevent major economic losses to growers, our scientists detect and mitigate threats in "rapid-response" fashion, mobilizing their efforts on Plum Pox Virus, Swede Midge, Leek Bud Moth, Iris Yellow Spot Virus and others to protect valuable agricultural resources.
- Our researchers are turning fallow land into fuel. Thousands of acres of marginal land are now being utilized in the production of bioenergy crops, including shrub willow developed by plant breeders at NYSAES in collaboration with colleagues at SUNY-ESF.

These are just a few examples of Cornell-NYSAES achievements and the collaborative programs that will continue to be major, innovative contributors to New York's economic recovery and prosperous future.

**CONTACT:** Thomas J. Burr • (315) 787-2211 • [tjb1@cornell.edu](mailto:tjb1@cornell.edu) • [www.nysaes.cornell.edu](http://www.nysaes.cornell.edu)

