

# Ag projects funded in New York

ITHACA, NY — As part of an effort to bolster agriculture in New York, the state Department of Agriculture and Markets is funding nine new agricultural research projects at Cornell University.

The projects, ranging from a marketing study of New York tomatoes to the development of a machine that produces deviled eggs, will be conducted by researchers in the New York State College of Agriculture and Life Sciences at Cornell.

All nine projects are supported by \$262,000 in grants under the state's Agricultural Research and Development Program. The program was created by Governor Mario M. Cuomo in 1985 to fund research projects geared toward the development of production techniques and marketing methods that will enhance New York's multibillion-dollar food and agricultural industry.

The research projects were announced by Joseph R. Gerace, Commissioner of Agriculture and Markets, at a news conference at Cornell.

He said, "The Agricultural

Research and Development Program initiated by Governor Cuomo has come at a most opportune time. The challenges facing the food and agricultural industry in New York today are many and complex. This program and the innovative programs it supports at Cornell and throughout the state will play an important role in meeting these challenges."

The research projects being supported by the state funds are:

\* New York has the potential of growing new field crops such as canola oil seed, hard red spring wheat, and lupine seed plants. Conducted by the Department of Agronomy and the Department of Plant Breeding and Biometry, this \$50,000 project will test these crops in research fields in efforts to improve production techniques and marketing.

\* Protecting apples against damage and deterioration in transportation and storage is the focus of a \$42,250 study by the Department of Food Science. The study will examine new types of plastic wrapping material that has the potential of increasing the shelf life of apples.

\* A \$40,000 study by the Department of Agricultural Engineering will examine methods of applying treated poultry waste to agricultural fields while protecting surface water quality. The project also will focus on the effects of this application method on soil fertility and yield of crops grown in the soil fertilized by the poultry waste.

\* In a \$30,500 study, a team of researchers will develop new machinery and processing techniques for egg products. This study, conducted by the departments of agricultural engineering, poultry and avian sciences, and agricultural economics, will develop a system for producing ready-to-eat egg products such as deviled eggs.

\* New York tomato growers supply only a fraction of the tomatoes consumed in New York, despite a potential to increase production. This \$28,100 study by the Department of Vegetable Crops will identify marketing problems facing growers, evaluate current greenhouse and field-grown tomatoes for quality,

storage, and shipping characteristics, and determine which harvest and storage practices would increase the market for tomatoes.

\* The Department of Plant Pathology will study alternative planting systems for Long Island cauliflower, a specialty crop with a well-developed and expanding market. The \$20,000 study also will examine two major factors limiting production: high labor costs and losses due to the black rot disease.

\* The utilization of apple pomace, a by-product of apple juice processing, as cattle feed will be studied by the Department of Animal Science. This \$18,554 project is designed to demonstrate the feasibility that apple pomace can be used as feed for dairy and beef cattle while reducing a serious waste disposal problem.

\* One of the top three dairy states in the nation, New York has the potential to increase its cheese production. An \$18,350 study will examine the feasibility of boosting New York's production of cheddar cheese and European-style specialty cheeses. To be conducted by the departments of agricultural economics and food science, the study also will compare New York's cheese manufacturing processes with those of major cheese producing regions in the United States.

\* The Department of Plant Pathology will study how canker, a plant disease that strikes conifers, has significantly hampered New York's Christmas tree industry. This \$16,500 study will determine the geographical range of the disease and develop a method of treating seedlings to combat the disease.

## Delaware students win Farm Credit grants

NEWARK, DE — Juliet Marshall (Camden) and Edward S. Rolison Jr. (Townsend), both plant science majors at the University of Delaware, have won \$500 Delaware Farm Credit scholar-

ships for the current academic year.

Rolison is a junior specializing in ornamental horticulture and turf. He has been on the dean's list and has worked on the grounds crew at the university. His hobby, landscape design and installation, will become a full-fledged business this summer when he gets his contractor's license. Rolison, whose ultimate career goal is to own and operate a retail nursery and garden center, also received a \$500 scholarship from the Delaware Association of Nurserymen.

Marshall, a senior studying agronomy, was last year's junior Farm Credit scholarship winner and received a renewal of this award. She is an honors student and president of the campus collegiate Future Farmers of America (FFA). As a teacher's assistant at the university, Marshall conducted a weekly lab for an introductory soil science course. She is considering agriculture-related extension or government work, or research as possible careers.

Since 1981 the Delaware Farm Credit Associations have awarded two scholarships annually to students majoring in some aspect of agriculture at the university. Awards are based on merit. Recipients must be full-time students and their parents or guardians must reside in Delaware.



Juliet Marshall



Edward S. Rolison Jr.

## LORSBAN 4E

insecticide

The proven corn earworm replacement

for DDT

for 10-15% yield

The results are in. And the good news is there is no resistance to Lorsban 4E as well as to cyfluthrin, a related form of pyrethrin.

LORSBAN 4E

Controls corn earworms, European cornborers, and other caterpillars. Kills beet armyworms, fall armyworms, and other caterpillars. Kills corn rootworms, corn rootworm beetles, and other beetles. Kills corn leaf beetles, corn leaf-miners, and other leaf-eaters. Kills corn silk moths, corn silk moths, and other moths. Kills corn aphids, corn aphids, and other aphids. Kills corn thrips, corn thrips, and other thrips. Kills corn mites, corn mites, and other mites. Kills corn nematodes, corn nematodes, and other nematodes.

Best for  
Earworms  
As good as  
any other  
Best for  
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