

Northern New York Agricultural Development Program

2014 Annual Report

Clinton, Essex, Franklin, Jefferson, Lewis & St. Lawrence Counties

www.nnyagdev.org



Real-World Results for Today's North Country Farms

2013 PROJECTS

IMPACT

DECISION-MAKING SUPPORT for NNY GROWING CONDITIONS

- **Crop Variety Trials:** Corn Grain, Corn Silage, Legume/Grass Forage, Small Grains, Soybeans, Tall Fescue (new & novel endophyte varieties)

~\$122.5 million

NEW YORK STATE'S FIRST JUNE BERRY NURSERY

- "Super fruit" has nutritional and economic potential for NNY growers and consumers

\$3.25/pint sold

ALTERNATIVE ENERGY SOURCES: Grass & Willow Bioenergy Crops

- Developing closed-loop, renewable energy system; making fallow land productive, creating jobs, reducing greenhouse emissions . . .
- Testing new methods for sustainable willow crop establishment in NNY fields

\$40-60/dry ton

28-30/green ton

SEASON & VALUE EXTENSION

- **Winter Salad Crops:** 1st heated environment trial of NNY high tunnel lettuce
- **Early Season Interseeded Cover Crops:** gain forage from corn/soybean fields

\$12/lb

~\$106 million

CROP & LIVESTOCK PROTECTION

- **New Managing Alfalfa Snout Beetle Primer:** easy-to-implement, on-farm biocontrol for alfalfa growers w/potential for NY berry/apple/grape growers; researcher presented Entomological Society of America award
* includes crop value plus milk production gain
- **Strawberry Weevil Treatment:** Field tests of potential strawberry pest biocontrol
- **NNYADP Leek Moth Research:** Protecting NY onion/garlic/leek crops
- **NNY Corn & Soybean Disease Survey & Database Development**
First comprehensive diagnosis and assessment database for NNY to support better seed selection and early disease & pest intervention practices

\$487-510/alfalfa acre

\$60-90 million/3 yr*

\$3.15+/lb

>\$54 million statewide

~\$106 million



Northern New York Agricultural Development Program Projects Serve:

4,268 farms, including 1,139 dairies, 937 beef farms, 346 maple operations, and 50 Community Supported Agriculture farms

Farmers managing 1.11 million acres of agricultural land in Northern New York

Workers receiving wages from a \$52.9 million farm employee payroll

Producers of \$595.7 million in agricultural products annually

619 farmers selling directly to consumers

More than a dozen high tunnel growers

Four agricultural research farms in Northern New York

Managers, vendors and consumers at more than 3 dozen community farmers markets

19 school ag education programs, 15 FFA Chapters, and 675 FFA students

• 75-100 NNY farms participating in projects each year

• Local community food security supporters

• Biomass producers and green energy users

• Farm-based natural resource stewards



Northern New York Agricultural Development Program

Serving Clinton, Essex, Franklin, Jefferson, Lewis & St. Lawrence Counties
www.nnyagdev.org

New York State-Funded NNYADP Research: Economic Impact, Environmental Stewardship for NNY

2013 PROJECTS

IMPACT

DAIRY PRODUCTION

- **Dairy Cow Diet Corn Substitute Survey & Analysis**
Identifying economically-feasible, nutrition options

~120,600 cows

CROP & LIVESTOCK PROTECTION

- **Evaluating Parasite Control Treatments for Sheep & Goats**
Testing control for barberpole worm
- **Brown Root Rot Research**
Proactive control development for soil-borne fungus

~108,900 animals/NYS

155,600 acres dry hay

ENHANCING NY MAPLE PRODUCTION

- **Maple Spout and Dropline Research/Outreach**
Equipment changes to increase sap/syrup yields & income

\$3.2 million w/potential
for \$10 million more

ENHANCING NY APPLE PRODUCTION

- **Precision Apple Orchard Thinning and Irrigation**
Systems and techniques to improve fruit size & yield

\$16 million

ENHANCING NY VEGETABLE PRODUCTION

- **Foliar Testing and Fertigation Research**
Early intervention practices to correct crop nutrient deficiencies,
enhances nutrient delivery and fresh market sales

\$4700/acre/\$14.57 million

NUTRIENT MANAGEMENT & AG ENVIRONMENTAL STEWARDSHIP

- **Award-Winning Precision Nitrogen Management:**
NNY on-farm trials for efficient N-need calculating tool

~\$125/acre

- **Phosphorus Test to Enhance Fertilizer/Manure Use:**
1st in NY test of inductively-coupled plasma spectroscopy

~498,777 crop acres
Water quality

- **Tile Drainage Research Along Lake Champlain**
Improves crop production on poorly-drained soils

Water quality, crop gain

- **Fall Cover Crops to Sequester Nitrogen for Spring Planting**
Calibration to improve soil health and crop production

20-30 lbs N/acre uptake

NNYADP FARMER-ADVISORY COMMITTEE

CO-CHAIRS:

Jon Greenwood, Canton, 315-323-4814; Joe Giroux, Plattsburgh, 518-563-7523; Jon Rulfs, Keeseville, 518-572-1960

CLINTON COUNTY

Willie Giroux
Tony LaPierre
Tom Remillard
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Charlie Hesseltine
Doug Malette
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