

FARM HISTORY

In 1982 E. Vreeland Baker donated his farm in Willsboro, NY to Cornell University for agricultural research and demonstration. This 352 acre farm is located along Lake Champlain at the base of Willsboro Point. Clay and sandy soils, typical of northern NY, are present on the farm, permitting a range of field experiments for optimizing management of our agricultural resources.

- ❖ *Fifty two specially constructed field scale drainage plots provide researchers with a unique opportunity to develop and test crop fertilizer application practices that are agriculturally, environmentally, and economically sound*
- ❖ *The farm's proximity to Lake Champlain underscores the importance of nutrient management research to reduce nitrogen and phosphorus runoff into waterways and leaching into ground water*
- ❖ *An automated weather station provides air and soil temperatures plus precipitation, evaporation, light and wind speed data*
- ❖ *In support of the region's important dairy sector, several studies are designed to improve forage production systems*
- ❖ *Field trials identify crop varieties and management systems that perform well in the soils and climate that are unique to northern New York*
- ❖ *Cooperative projects involving research scientists, extension professionals, farmers, town officials, and area business persons work to establish new and alternative specialty crops in the North Country*



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Cornell University
College of Agriculture and Life Sciences
Cornell Cooperative Extension

CORNELL E.V. BAKER RESEARCH FARM



Conducting research that enhances the economic viability of northern New York's agricultural community, fosters environmentally sound resource management, and promotes the continued development of a healthy regional food system



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RESEARCH HIGHLIGHTS



Designing organic cropping systems to meet increased demand for certified organic wheat, flax, food grade soybeans and alfalfa/timothy hay



Testing non-chemical biological control options for regionally important crop pests such as the alfalfa snout beetle



Testing modified greenhouse structures to economically extend the growing season for locally produced fruit, vegetables and fresh-cut flowers



Conducting variety trials under northern New York's unique growing conditions for wheat, barley, oats, triticale, soybeans and flax

Our research projects benefit the northern New York farmer

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For research results, contact your local Cornell Cooperative Extension office or visit the Northern New York Agricultural Development website www.nnyagdev.org



Developing best management practices that optimize crop productivity while minimizing the potential for erosion and nutrient losses to neighboring waterways and groundwater



Exploring the feasibility of establishing vineyards and wineries in northern New York with our cold region wine grape variety trial



Developing techniques to evaluate and improve the health of our agricultural soils



Experimenting with growing and pelleting grass for use as a renewable biomass heating fuel in northern New York