"Relevant questions and sound science for agricultural profitability and protection of the environment"

We improve the profitability and competitiveness of New York dairy, livestock and cash grain operations while maximizing environmental protection.

Agriculture makes a significant contribution to New York's economy. We assess current knowledge, conduct research, identify educational needs, facilitate technology and knowledge transfer, develop management tools, and aid in on-farm implementation of nutrient management strategies to increase farm sustainability across the state.

We partner with farmers, Certified Crop Advisers, nutrient management planners, Cornell Cooperative Extension specialists, Soil and Water Conservation District staff, SUNY campuses and state and federal agencies.
Collaborate with the dairy industry to assess whole-farm nitrogen, phosphorus, soil carbon, and greenhouse gas sustainability indicators.

**LAND GRANT RESPONSIBILITY**

Develop, implement, and support science-based guidance for nutrient management of New York dairy and cash grain operations.

**SOIL HEALTH & CLIMATE RESILIENCY**

Evaluate beneficial management practices such as conservation tillage and cover cropping to reduce greenhouse gas emissions and improve soil health.

**PRECISION AGRICULTURE**

Facilitate zone-based field management, on-farm research, and in-season adjustments using drones, satellite imagery and yield monitoring.

**DAIRY SUSTAINABILITY**

Collaborate with the dairy industry to assess whole-farm nitrogen, phosphorus, soil carbon, and greenhouse gas sustainability indicators.

**ON-FARM RESEARCH**

Conduct on-farm trials to help farmers make data-driven decisions that increase profit and minimize environmental impact for whole-farm sustainability.

**STUDENT ENGAGEMENT**

Engage undergraduate and graduate students in interdisciplinary experiential learning in a diverse and inclusive environment.

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