

Cornell Cooperative Extension Northwest NY Dairy, Livestock and Field Crops Program

2025 YEAR IN REVIEW

Northwest New York Dairy, Livestock and Field Crops Team A partnership between Cornell University and the CCE Associations in these 10 counties: Genesee, Livingston, Monroe, Niagara, Ontario, Orleans, Seneca, Wayne, Wyoming and Yates.



Hoof Trimming Workshops Create a Solid Foundation

Without a solid foundation, no building will survive stress over time. The same is true with our dairy cattle. Their foundation, their hooves, are responsible for supporting a large frame and over 1200 pounds of body weight. The way in which the hoof grows and wears over time, especially in our confinement systems, is greatly impacted by factors including walking surface and nutrition and can be managed with proper hoof trimming. Unfortunately, lameness is a big issue on dairy farms, with recent NY based studies finding a wide range between 14-54% of cattle affected. According to 2018 USDA NAHMS data, 9% of all dairy cows being removed from the herd are removed due to lameness.

Due to the importance of lameness prevention and input from our Dairy Advisory Council, the CCE NWNY Dairy Specialists organized two regional hoof trimming workshops in November of 2024. The workshops were unique based on the specific needs of our diverse producer base, with a one-day workshop for smaller

farms and a two-day workshop for larger farms with Spanish interpretation. Aaron LaVoy, Professional Hoof Trimmer and Founder of the Midwestern Hoof Trimming School, led the hands-on workshops with support from a network of local hoof trimming colleagues.

The workshops were limited to 15 participants each to allow for safe supervision of the hands-on portion. The 26 participants represented 8 counties, 18 farms and approximately 18,000 cows. They learned anatomy and physiology of the bovine hoof and the theory of the Balance Method of hoof trimming before then being given the Participants discussing hoof opportunity to practice this method on bovine cadaver hooves. One experienced farm owner noted that the workshop was very good, and he had learned a lot that he hoped would help him with the lameness issue he had been struggling with in his herd.



trimming angles while practicing on cadaver hooves. Photo credit: K. Lutz.

Feeder Schools Fuel Farm Economics and Cow Health

The dairy farm employee in charge of mixing and delivering daily rations to the cows is key to the farm's success. Not only is that employee responsible for the stewardship of the biggest input cost on the farm, the feed ingredients, but they are also largely accountable for maintaining herd health through proper execution of the farm's nutrition plan. These points, including the importance of communication with the farm management team and safety, were discussed during two Feeder Schools held in November 2024 in Genesee and Ontario Counties. The program was part of a series of Feeder Schools developed by Regional Dairy Specialists across the state and was taught by NWNY Dairy Specialists, Nutritionists, and Industry Specialists.



Photo 1. CCE NWNY Feeder School participants learn how to troubleshoot issues related to mixer wagon calibration and maintenance at Reyncrest Farms in Genesee County. Photo by Betsy

The program drew 54 participants representing 28 farms and 8 counties across Western NY. Both locations offered station presentations in English and Spanish

and covered topics essential to dairy feeder success. These topics included: economics and the importance of the dairy farm feeder, forage and ration dry matter monitoring and control, feed quality control, feed loss reduction, ration auditing and cow eating behavior, feed inventory monitoring and safety in the bunker silos, and equipment troubleshooting. In all groups, interaction between attendees was significant, and there was a notable degree of learning by sharing experience between one professional dairy feeder to another. Participants left the training with a new appreciation for their role in feeding consistency and farm economics, and how to better achieve both safely and efficiently.

Stockmanship & Stewardship: Learning and Networking

Cattle care and handling are important practices for beef and dairy producers. Handling techniques are learned by demonstrations. The New York Beef Quality Assurance program recently hosted the Stockmanship & Stewardship event in Hamburg, NY, one of four held across the country. The event brought together 121 beef and dairy producers, industry and CCE professionals from across the region and beyond on October 25 & 26. The event provided an invaluable opportunity for producers to expand their skills, network with peers, and deepen their commitment to animal welfare and beef quality. By attending, all producers received their Beef Quality Assurance (BQA) certification. The event was generously supported by a grant from the National Cattlemen's *Photos courtesy Vernon Bewley*, Beef Association.



Dr. Adam Murray, left, beef cattle extension specialist provided his thoughts on NY beef production.

The event featured interactive round-robin sessions led by top industry experts, each addressing critical aspects of beef and dairy production:

- Consumer Insights: Understanding consumer values and demands in today's beef market.
- Cull Cow Management: Effective strategies for managing cull cows to enhance herd productivity.
- The Grazier's Toolbox: Practical tools and techniques for optimizing pasture management and improving grazing systems.
- Beef x Dairy Cross Opportunities: Insights and strategies from a producer experienced with beef-on-dairy crossbreeding.
- BQA Transportation: A truck and trailer walk around with the BQA Transportation Pre-Trip Checklist, focusing regulations for transport.

The afternoon featured insight from national sponsor Neogen on herd replacement selection. The highlight was watching and learning good handling practices from clinicians Curt Pate and Dr. Ron Gill. It was evident that producers are looking for more opportunities like this.

NWNY Growers Excel in 2024 NYS Soybean Yield Contest

The NWNY Team coordinated and supervised the annual Soybean Yield Contest sponsored by the NY Corn and Soybean Growers Association. Each year there are around 100 entries from across the state in the contest. There are cash prizes for the top three soybean yields in the state and plagues for the top place winners in each of five designated regions (West, Finger Lakes, Central, North and East). The team also had the privilege of emceeing the awards ceremony at the Winter Expo in Syracuse on January 16. It is a great opportunity to promote soybean production in our region and NY.



Pit Farms accepts their award from NYCSGA president Tom Corcoran, Photo: Katie Becker Photography

In 2024, growers from the NWNY region faired well in the state and the West and Finger Lakes regions. Although we didn't take the top spot this year, Pit Farms from Wayne County took second place with an entry of 87.89 bu/acre. In each region, awards were presented for the top three yields in Group 1 and Group 2 soybeans. Growers from NWNY took 11 of 12 awards from the two regions and were from seven of our counties (Livingston, Monroe, Orleans, Seneca, Wayne, Wyoming, and Yates).

The yield contests are an opportunity for farms to push their practices to the limits, experiment a little, learn a little and enjoy some friendly competition and bragging rights at the coffee shop. If you would like to see all the WNY and Finger Lakes regional winners from our area, check out the February issue of AgFocus. To see all the NY results go to the NYC&SGA webpage (https://www.nycornsoy.org/yield-contests).

Winter Crop Congresses Keep Growers Ahead of the Game in 2025

Corn Congress (Jan. 9) and Soybean & Small Grains Congress (Feb. 12) were again both one-day events at our new location, the DoubleTree by Hilton in Henrietta. Based on feedback from attendees at last year's congresses, this was a great move with upgraded facilities, a central location and good food.

This year's programs looked at addressing good agronomic practices and new pest issues while providing cost of production and grain market options for continued success in 2025. We had corn, soybean and wheat specialists from Purdue, Canada,



and Ohio State along with Cornell staff and faculty. Forty different industry sponsors set up booths or supported our programs and educated growers about their new products.

Over 500 participants attended the two congresses. Participants learned valuable agronomic tips for growing better crops, herbicide resistance updates, climate change and crop resiliency options, and about new corn diseases like tar spot and corn stunt. There was also a session on how to get your drone license from the NYSDEC and the Federal Aviation Administration. Attendees continued to praise how good the program was, encouraged staying at new facility, and enjoyed visiting the exhibitor booths. Over half the attendees needed their DEC pesticide applicator credits and received 4.0 if they attended both meetings. These are the biggest corn and soybean/wheat specific meetings in NYS.

3rd Annual CCE NWNY Dairy Day

CCE NWNY Dairy Day brings together farmers, farm managers, local extension educators and allied industry members who are interested in hot-button issues, implementable ideas and practical research that contributes to the resilience of the dairy farm business in the NWNY region. This year's 3rd Annual one-day conference, held on February 6 at The Chalet at East Hill Creamery in Perry attracted 9 NWNY dairy and beef farmers along with 28 agri-service industry members from 7 NWNY counties. The attendance grew 28% over last year, despite challenging winter weather the day of the event.

Dr. Julio Giordano of Cornell University presented current and future options for automated herd monitoring and management through technology being designed and tested that the Cornell Agricultural Systems Testbed and Demonstration Site (CAST) for the Farm of the Future. Dr. Kaitlyn Briggs, Dairy Welfare Lead at fairlife, shared how the company's goals, influence and partnership with some milk cooperatives and dairy farmers in New York State will have due to the new construction of their processing facility in Webster, NY. NWNY Team Dairy Specialists shared new opportunities, workshops, and projects happening for and with farms around the region. Attendees networked and swapped experiences over the lunch hour.

Lunch was catered locally and featured freshly bottled milk from a nearby value-added on-farm dairy processor. The program closed with a panel discussion featuring Ryan Janney of Bonna Terra Farm, where insights were shared regarding successful transition to milking in a rotary parlor system. Dr. Rick Watters of AgroChem also shared management strategies to maintain and improve cow flow and milk quality in these systems.



Photo by Margaret Quaassdorff

Farmers participated in discussions and networked with industry experts throughout the day and were able to view art created by farm workers in the region exhibited by the Genesee Valley Council on the Arts through their Creative Artists Migrant Program Services initiative. From the presentations, participants benefited from strategies to guide their farm businesses through new technology options and management ideas. The program was interactive and multiple participants reported wanting to learn more about rotary milking design and implementation for their farms. Other participants mentioned they would be looking to see how the presence of fairlife is going to affect the milk market in our region, and farm management and growth strategies in the future.

Butcher Waste & Mortality Composting, a Cost-Effective Practice

Very small meat processors are limited in their butcher waste disposal since there are fewer renderers to pick up the waste. These small slaughterhouses may pay over \$400 per week for services. These costs are then passed on to livestock farmers utilizing the services. Costs for mortality disposal have risen, too, due to the limited number of renderers. Composting is a cost-effective and safe alternative for rendering if done properly.

Vernon Stauffer, owner of Timberline Meats contacted the NWNY Team to see if a composting workshop could be held near his butcher shop. There were other nearby slaughterhouses interested in the information as well. A workshop was set up at Vernon's repair shop with Jean Bonhotal, Cornell Waste Management Institute covering the topic. Jonathan Hunt, Greener Pastures Composting, talked about starting his composting business where he takes in mortalities and yard waste.

Other businesses and area dairy farmers were invited to learn about proper composting. The information went out to veterinarians, Yates Soil & Water Conservation District, and NYS Department of Agriculture and Markets. The Department of Environmental Conservation sent four employees that were newly hired and needed to learn more about what they regulate. About 19 people learned the proper techniques for composting butcher waste and mortalities. There was great discussion on siting piles to maintain water quality, regulations, and pertinent licensing. Vernon is planning to partner with a family member to compost his waste and sell the composted product. This arrangement could potentially save his business \$20,000 a year, plus generate some income.

Calves: Your Herd's Future

In the dairy industry, we often refer to the youngstock as the future of the herd. In an average of two years' time, the female calves that are born today will be calving for the first time and entering the milking herd. This two-year period is an investment that we must care for carefully to see a return once she starts milk-

ing. Everything we do to care for that calf, including the facilities we keep her in, the nutrition we provide and the preventative health care program we execute all either set her up for success or failure. The US is currently seeing a lack of available dairy herd replacement heifers, with NASS reporting a 37,000 head decrease from January 2024-January 2025. This is driving up the cost to buy heifers and causing dairy producers to renew their focus on youngstock management in order to accommodate the rapid herd growth we are seeing in Northwest New York.

Cornell's regional dairy specialists and PRO-DAIRY teamed up to develop and present two programs to target youngstock management in March 2025.

The first program was a hands-on on-farm program focused on transition calf inventory and facilities management, health and nutrition with the target audience being youngstock managers. The second program was a dinner meeting targeting farm decision makers and industry representatives with guest speaker Dr. Melissa Cantor, Assistant Professor at Penn State University. Dr. Cantor shared her research on extended feeding colostrum for calf health and new calf technologies.

The NWNY team held the hands-on workshops on March 18th and 19th in Wyoming and Ontario Counties, drawing 40 participants. Both workshops were taught in English and Spanish. One participant said that they liked the "in-depth explanation of why we should manage calves and heifers in a specific and ordered way." The dinner meeting in Genesee County on March 18th drew 34 attendees. Dr. Cantor noted that the group was the most interactive she had ever had, showing that the topic was one of interest and value to our region's producers.

Pricing Corn Silage - Preliminary Fall 2025

Several years ago, in response to the program's Field Crops Advisory Committee's desire for work on pricing forages, the team developed an empirical price analysis model for corn silage. The team updates the work annually. In most years, the team reports its pricing corn silage work to its audience in late August through early October. Potential buyers and sellers seek expected price information to make management decisions. This spring, weather conditions led to unfavorable planting and other situations. Spring weather caused farm business owners to consider adjustments to cropping programs. Expected price information would help with these early season management decisions. Given the need, the team generated corn silage price estimates in late June, and shared estimates via the team's Crop Alert report. The report went out to about 1,400 contacts.

The fall 2023 estimate reflects an update to the data set, and other changes to the statistical model to best capture changes in supply and demand relationships. Readers of the Crop Alert item learned that given most recently available data, price analysis for NY suggests an estimated corn silage price of about \$63 per ton for the fall of 2025. Farm business owners apply corn silage price estimates combined with understanding of relevant supply and demand factors from the individual farm business owner's perspective, to achieve better results from their decision making efforts.

Regarding the original work, one producer commented, "I think that your work on this will be helpful for many folks." Regarding the updates, producers comment that the work continues to provide information that benefits decision making regarding corn silage prices.

Equine Pasture Management: Strengthening Horse Health, Farm Viability, and Environmental Stewardship Across New York

The Equine Pasture Management Extension program delivered practical, science-based education to horse owners and farm managers. Developed in response to growing interest and increasing calls from horse owners seeking guidance on pasture, manure, and soil management, the program was designed to improve equine well-being, reduce environmental impacts, and support farm sustainability. This rising demand highlighted the need for more structured, accessible education and technical assistance—ultimately leading to the creation of this multi-session webinar series and the directing horse owners to the Horse Farm Improvement Program in New York State led by Cornell University Animal Science faculty Lindsay Goodale, DVM.

The webinar series equipped participants with actionable strategies for managing rotational grazing, selecting and establishing resilient forages, equine nutrition 101, testing and amending soils, and handling manure to minimize runoff. Attendees also gained insight into adjusting management strategies for seasonal weather extremes common to the region. Following the webinar series, many participants transitioned into the Horse Farm Improvement Program, where they are now working closely with extension educators, university specialists, and industry partners throughout the summer. This hands-on, integrated approach not only helps farms implement sustainable practices but also strengthens the bridge between academic research, extension outreach, and real-world application.

Future plans include developing advanced modules on pasture renovation, integrating digital tools for field assessment, and offering in-person workshops and farm tours to further enhance learning.

The increasing demand for science-based, equine-focused pasture education is clear—and with continued collaboration and investment, this program is well-positioned to meet that need and contributes meaningfully to the health of New York's horses, farms, and natural resources.

Using Pest Monitoring Tools to Protect Crop Yields

Black cutworm and common armyworm are two moth pests that can travel on prevailing storm fronts to NY each spring. The team utilizes pheromone traps across our region to detect these moths and monitor their first arrival into our area. Traps are checked weekly, and the number of moths is recorded. Utilizing degree-day (DD) data starting at the first significant flight (10 or more moths per week), we can determine the time of egg hatch and when larvae will be large enough to cause economic plant injury.

In 2025, we set up five cutworm and five armyworm traps across the region in late April. Significant catches of both moths were recorded in Genesee, Livingston, Ontario and Yates counties on May 7. We started recording (DD) from that date utilizing the Network for Environmental and Weather Applications (NEWA) site. We hit the 90 DD mark on May 21 as larvae were hatching and feeding on corn leaves. By June 10, the NWNY region hit 300 DD, and cutworms were large enough to cut corn plants.

Weekly results were published in our weekly Crop Alert on the NWNY Team Blog. Crop Alert is published May through September and informs growers, consultants and industry reps what we are currently seeing in corn, alfalfa, soybean and small grain fields. As a result of our trap network, we were able to advise farmers that they should be out scouting their corn fields for potential plant injury at the appropriate time to avoid economic crop loss. As little as a 3% reduction in plant population can result in an economic yield loss in corn.



Bovine Reproduction Course for Beef and Dairy Farms

Many beef farms in the NWNY region are small, part-time operations with an average of 15 cows with a short breeding season. A bull with quality genetics is needed to a quality calf. This makes it costly to purchase and keep a bull throughout the year, along with concerns for safety with owning bulls. Beef and dairy producers have started utilizing artificial insemination as an option, though technicians are not always available to service a few cows.

While proper artificial insemination technique is important in any farm's reproductive program, understanding the cow's anatomy and physiology are also essential. The NWNY Team set up the training upon a request from a beef producer. The 12 participants learned the biology of bovine reproduction, giving them a better understanding of the whole reproductive system. The training was held on a dairy farm in Livingston County where there were a number of cows available for hands-on practice to gain experience

with proper insemination technique. Genex Cooperative, Inc. led the training that consisted of both classroom sessions and hands-on practice.

Over the course of two days, students learned the basics of bovine reproduction and artificial insemination. The course offered as much hands-on practice as possible, though it was a beginner's course meant to teach the basics of artificial insemination. Participants were expected to practice inseminating cows on a regular basis on their own farms in order to become proficient. Each participant was provided with a manual for future reference. This class was offered in English; a Spanish-only course the fall.



Photo credit: Margaret Quaassdorff

2025 Corn Silage Dry Down Days Provide Critical Support for Seneca and Yates **County Farmers**

Producing high-quality corn silage each year hinges on timing harvest based on plant moisture content. In its second year of serving Seneca and Yates counties, Dry Down Days were held on three consecutive weeks in September, and helped ensure corn was harvested at the optimal dry matter level to preserve forage quality and promote herd health and production. In 2025, uncooperative weather caused widespread planting dates in spring. A droughty summer followed stunting corn growth and maturity creating difficulty in determining optimal harvest times. Using a portable near-infrared (NIR) unit provided by DairyOne, Dry

Down Days were hosted in collaboration with CCE Seneca County at Keystone Mills in Romulus and with CCE Yates County at Himrod Farm Supply and Hardware in Himrod. Farmers from across the region sent in representatives bundles of corn stalks for processing and analysis. In total, 108 field samples from 44 farmers were evaluated for dry matter and starch content. Each sample was chipped, scanned, and assessed to determine the optimal harvest window for that particular field, with some fields being tested multiple times over the 3-week span to track maturation progress. This program was especially beneficial for farmers in the Plain Community and those with smaller farms who may not have regular access to labs or technology to monitor the moisture levels of their corn crops. By offering free, local testing and individualized harvest recommendations, Dry Down Days contin-Bechtel and Mike Stanyard process ues to remove barriers to making informed decisions at a critical time in the season. corn samples through a woodchip-Dairy and forage specialists on the NWNY Team plan to continue to collaborate with the counties and local businesses in 2026, to ensure that each farmer has the information they need to make smart, timely harvest decisions.



CCE NWNY Team members David per to prepare them for dry matter analysis. Photo by M. Quaassdorff

Partnering with American Farmland Trust for Regenerative Agriculture Education

Farmers work to achieve economic, environmental (soil, water, air, climate and others), and community objectives. When they base management decisions on research-based information, the likelihood of achieving objectives increases. Regarding soil health practices adoption on farms, farm business owners are looking for information.

The NWNY Team worked in conjunction with American Farmland Trust's NY Women for the Land Program to hold a pasture event at Tamberlane Farms, Ontario County. Amanda and Chase Brown now own and operate the farm previously owned by Chase's grandfather. They have improved pasture management, increased grazing acreage and cattle numbers, utilize cover crops for grazing, and worked with Ontario County Soil & Water Conservation District to construct a barn to house their cows during the winter. These practices greatly reduced erosion that would have flowed directly into Canandaigua Lake. Approximately 18 participants learned good grazing practices, pasture management, and ruminant nutrition from Amanda, the team, and NRCS Grazing Specialist Karen Hoffman.

The team partnered with American Farmland Trust's NY Women for the Land Program to develop resources and economic analyses. During the quarter, the team worked with farmers Peter Zeliff and Nicole Porter, Zeliff Farms, to complete a case study that included a before and after economic analysis. Farming land in Orleans and Niagara counties, Peter and Nicole, with their focus on regenerative practices, are considered

successful soil health system adopters. Team members reported results via a variety of delivery methods. A field day at the Zeliff Farms drew about 60 attendees and an article was shared in the team's monthly newsletter.

In both events contacts learned that successful adoption of a soil health system [regenerative practices] coincides with increased economic performance. Results provide incentives to others to pursue adoption of practices. Contacts also learned about research-based strategies for planning and implementation, keys to informed decision

View of Canandaigua Lake from Tamberlane Farms pastures.

making and successful adoption. Better understanding increases the likelihood of achieving objectives.

Helping Soybean Growers Manage Herbicide Resistant Weeds

Glyphosate resistant weeds such as common waterhemp, marestail and Palmer amaranth continue to cause weed management issues for soybean and corn producers. Waterhemp populations now have been identified in all ten partner counties in NWNY and in 25 counties across NY. To make matters worse this weed has also been found to have resistance to three other herbicide modes of action through previous testing in New York. It is very challenging to put together an herbicide program to control these weeds and prevent economic losses.

Cornell University weed scientist, Vipan Kumar, has done extensive on-farm and greenhouse trials on waterhemp for the past three seasons in our region. This summer we were able to collaborate with two growers in Seneca County that have an ongoing waterhemp problem. Waterhemp efficacy trials were established in one soybean field and one corn field to test multiple herbicides and application timings. The replicated blocks were broken down into application timings of pre-emerge only (1 pass), pre-emerge plus early postemerge (2 passes) and early post plus late post-emerge (2 passes).

A field day was held in the town of Fayette on August 4 with a walking tour of soybean herbicide treatments to demonstrate which spray programs and timings were the most effective in managing waterhemp. Twenty growers, consultants and industry reps joined us for the tour. This walking tour was a very effective method of showcasing the value of 2-pass herbicide programs and why growers should utilize them to achieve season long control when applied at the right timing. It was also very apparent that glyphosate products are not

an effective management tool for weeds such as waterhemp anymore. This demonstration plot provided invaluable hands-on training for selecting effective herbicide programs on soybean acres and participants received one certification credit towards their pesticide applicator license.

Yates County Field Day Showcases the Power of Cover Crop Diversity

The Yates County Cover Crops Field Day, held in August in the town of Milo, brought together over 30 farmers, agribusiness professionals, and conservation partners to explore how diverse cover crop mixes can build soil health, improve nutrient cycling, and strengthen crop resilience. The event was a collaborative effort between the Yates County Soil & Water Conservation District, Cornell Cooperative Extension of Yates County, the NWNY Team, the Town of Milo Agricultural Committee, and King's AgriSeeds.

Following the 2025 wheat harvest, demonstration plots were established to showcase a variety of mixes, including triticale + clover + radish, sudangrass + cowpea, black oats, winter rye, Maize Pro Mix, Summer Solar Mix, and bio-strips with both in-row and between-row plantings. Additional interseeded buckwheat highlighted options for pollinator support and mid-summer soil protection. Participants had the opportunity to walk through each plot, observe growth differences, and discuss establishment methods and management strategies.

Extension specialists and conservation staff emphasized how species diversity can improve nitrogen retention, alleviate compaction, increase infiltration, and stimulate microbial activity. Farmers gained practical insight into integrating cover crops after small grains or corn silage harvest to make the most of late-season growth windows.



Majority of participants reported gaining new knowledge and planned to apply at least one new practice on their farm, such as adopting multi-species blends, trying bio-strip systems, or refining seeding timing. The event strengthened local partnerships and showcased how applied research and demonstration can guide producers in protecting their soils while improving farm profitability across the Finger Lakes region.



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Helping NWNY Farms Thrive

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