

Cornell Cooperative Extension | Oneida County

Farm Flash



November 2026

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Upcoming Events

Cornell Cooperative Extension | Oneida County



TASTE OF CNY

SATURDAY, NOVEMBER 7

10:00 AM - 2:00 PM

NORTH STAR ORCHARDS

Children's Activities - Shopping -
Live Music - Food Sampling - Food Trucks
Fun for the Whole Family!

Workshops for NY Pork Producers: From Barn to Market

Join us in Oneida County on Monday, November 2 at the Clonan Post 1000 American Legion in Chadwicks at 5:30 pm. Cost to attend is \$10 but includes a free dinner (you can pay at the door).

Register online so we can save you a seat at
<https://www.meatsuite.com/nypork>

Topics include: State of NY Pork, Production Best Practices and Marketing & pricing Strategies

This program is funded by the Pork Checkoff through the National Pork Board.

Upcoming Events

GroupGAP Training

November 18-19, 2026 - Delhi, NY
December 15-16, 2026 - East Aurora, NY

Registration Fee

\$20 for NY Residents
\$145 for non-New York residents

Day 1 (8:00 am - 5:00 pm)

PSA Grower Training

Day 2 (8:00 am 3:30 pm)

Farm Food Safety Plan Writing Workshop

USDA GAP Audits

USDA GroupGAP Information

Learn more and register online at
<https://cals.cornell.edu/national-good-agricultural-practices-program/courses-trainings/groupgap-training>

Save the Date - Crop Congress

A great opportunity to get credits for 2027!

White's Farm Supply - Sangerfield

Thursday, January 14, 2027

Farm to Stay Grant

Airbnb and American Farmland Trust are launching the Farm to Stay Grant Program through AFT's Brighter Future fund. This national grant will support farmers and ranchers creating or expanding their farm stays and experiences as an additional income stream. They will distribute approximately 25-30 grants of up to \$10,000 each.

Farmers and ranchers are navigating rising costs, volatile markets, and weather-related risks. At the same time, traveler interest in rural destinations and farm stays is growing. Not only will this partnership help farmers and ranchers build an additional income stream; it will also give more people a meaningful connection to working farms and ranches and the families who operate them.

Eligibility and guideline details will be made available before applications open in late November 2026. Learn more online at <https://farmland.org/farm-to-stay#applicant-eligibility>

Bethany Solomon joins Cornell Cooperative Extension of Oneida County as the Oneida County Public Market Coordinator. With a degree in Graphic Design and a background in retail, merchandising, large format production, marketing, and small business, Bethany brings a creative and hands-on perspective to her work with the market.



Bethany has worked across a variety of creative and customer-focused fields and has also developed her own small creative business, including creating and selling

handmade goods at local markets. These experiences have given her an appreciation for the work that goes into building a small business and the importance of creating spaces where local businesses can connect directly with their community.

In her role she is particularly interested in developing engaging marketing and outreach efforts while creating a welcoming experience that encourages people of all ages to shop local. Bethany believes a Farmers' Market can be more than a place to shop—it can be a place to discover, connect, learn, and build community. She looks forward to helping the Oneida County Public Market continue to grow as a destination for local food, products, and community.

I am excited to be joining the CCE Oneida team as an Ag Community Educator. I look forward to working with local farmers and community members to help keep agriculture thriving in our area! I am a life-long Oneida County resident and SUNY Morrisville Grad, with 15+ years of professional experience ranging from education to commercial crop production.



For 7 years I managed Morrisville's Controlled Environment Agriculture (CEA) greenhouse and started their organic vegetable farm on campus. Then I moved on to commercial cannabis production, managing both indoor and greenhouse facilities in the Syracuse area. I have extensive experience with IPM, plant science, and diverse crop production methodologies. My focus with CCE Oneida County will be on crops and soils. Please reach out if you have any questions or need assistance with any plant, pest and disease, pesticide, or soil related issue. I am here to help! Eric Bremiller - emb448@cornell.edu - 315-736-3394 ext 106.

Market Musings: Best Practices for Farmers' Market Sales

JB Riffle

The Oneida County Public Market is a year-round market located at Utica's Historic Union Station (321 Main St) in downtown Utica. The market operates outside near the train tracks every Saturday, 9am-1pm May through October, transitions to indoor operations in Union Station's Main Lobby on Saturdays, October through December, and operates indoors in Union Station's Main Lobby every other Saturday, January through April. The market offers community members access to the buying and selling of local agricultural products, baked goods, and crafts.

When deciding whether to sell at a farmers' market, vendors ultimately want to know one thing: **Will it help my bottom line?**

A farmers' market can be a valuable sales channel, but success depends on the choices you make both behind the scenes and at the market itself. Every interaction shapes how customers perceive your business, and those perceptions often determine whether they buy from you again.

Best Practices Behind the Scenes

Product Development - Your product is the foundation of your business. Delivering a product that meets or exceeds expectations is essential for attracting new customers and building long-term loyalty.

- Pay attention to details: Appearance, freshness, packaging, labeling, and overall presentation all influence customer perceptions.
- Be consistent: Customers expect the same quality each time they purchase from you. Consistency builds trust and encourages repeat business.
- Listen to feedback: Customer comments, questions, and concerns can provide valuable insights into product improvements and future opportunities.

Branding - A strong brand helps customers remember your business and distinguish you from other vendors. The goal is to create a lasting impression that customers can easily recognize.

- Tell your story: Customers want to know who produces their food, how it's grown, and what values drive the business.
- Invest in a clear logo: A professional logo helps customers recognize your products, signage, and marketing materials.
- Use thoughtful packaging: Attractive, functional packaging enhances customer experience and reinforces your brand identity.

Social Media - Without a brick-and mortar storefront, social media can help you stay connected with customers between market days. It keeps your audience informed about your products, availability, and where they can find you.

- Be authentic: Share your genuine stories about your farm, products and experiences.
- Post consistently: Regular updates help customers stay informed about seasonal offerings, product availability, and upcoming markets.
- Include a call to action: Encourage customers to visit your booth, try a new product, place an order, or follow your page for updates.

Best Practices at the Market

Booth Design - Your booth is often the first thing customers notice. An inviting, well-organized display encourages shoppers to stop, browse, and make purchases.

- Create visual abundance: A full display signals freshness, variety, and value. Use varying heights, colors, and product groupings to make your booth more eye-catching.
- Use clear signage: Product names, prices, and key details should be easy to read from a distance.
- Prioritize accessibility: Arrange your booth so customers can comfortably browse, ask questions, and move through space.

Customer Engagement - A great product may attract customers, but positive interactions often determine whether they make a purchase and return in the future.

- Position yourself strategically: Stand at the front or side of your booth where you can greet customers and answer questions. Avoid sitting behind tables whenever possible.
- Be approachable: Make eye contact, smile, and welcome customers without being overly aggressive.
- Communicate value: Explain what makes your products unique, share your growing practices, offer samples, or provide recipe suggestions. Customers are more likely to return when they see value beyond the product itself.

Operational Preparedness - Efficient operations create a smoother shopping experience, reduce waiting times, and minimize lost sales.

- Have a setup and restocking plan: Organized procedures help maintain an attractive display throughout the market.
- Offer convenient payment options: Be prepared to accept cash, credit and debit cards, and food assistance benefits.
- Reduce friction: Display prices clearly, organize products logically, and make transactions quick and easy.

Looking Ahead - Success at a farmers' market depends on more than simply showing up with a great product. The businesses that thrive are those that create a consistent, positive customer experience before, during and after each market day.

By focusing on product quality, branding, customer engagement, and operational readiness, vendors can strengthen customer relationships, increase sales, and build long-term profitability.

Next month, we'll explore strategies for increasing customer loyalty and turning first-time shoppers into repeat customers.

Foundations in Farming

Matt Volz

Almost every time I look at the news, I see an article marking the rising cost of inputs or the increased risk of severe weather events affecting farmers. As a farmer, I often feel helpless when I see headlines like “Double the Damage’: Warming Climate Reduces Milk Quality,” or “Farm Production Costs to Hit Record Highs in 2027, USDA Says.” My initial reaction to this feeling is to throw myself into something that I can control on the farm. I’d rather work on something within my power than worry over things outside of it. I often forget that there are things that I can do, however. While we’re always at the mercy of the weather and global market trends, we can, through good financial planning and risk management, prepare ourselves for difficult times ahead. The key is to plan for what is still ahead, rather than trying to deal with what is happening to us in the moment.

This winter I’m excited to put together some programming that will focus on good farm business basics. I hope to share with producers of all types some solid financial fundamentals that can help make navigating a farm business a little easier. Please be on the look out for more info over the next few weeks.

In the meantime, here are a few quick ideas that are worth considering:

1. “If you don’t measure it, you can’t manage it.” Many of us have heard this line and there’s some real value in it. If we’re not tracking our financial information, how can we make informed decisions? If we don’t know our cost of production, how can we appropriately plan for profit? Knowing our finances in detail is incredibly important for every farm business.
2. There are aspects of running a farm that are not easily measured yet are critical to our success. Communication, purpose, trust, loyalty—these are not easily quantifiable, but without them a farm business will struggle. Know and understand your financial picture, but keep in mind that there are other important factors not captured on your P&L. Without solid communication with workers, customers, partners, etc., we set ourselves up for headaches down the road. Without a sense of purpose, we more easily get burned out and lose discipline.

I hope to get into the details of topics like these this winter and hope you’ll join me. Stay tuned for more details.

USDA Announces 2027 Dairy Margin Coverage Enrollment

The U.S. Department of Agriculture (USDA) announced that dairy producers can now enroll for 2027 Dairy Margin Coverage (DMC), a voluntary risk management program that was recently strengthened by the Working Families Tax Cuts Act with greater risk protection for dairy producers. DMC enrollment for 2027 starts Oct. 5 and runs through Dec. 18, 2026.

"Putting farmers first means making sure dairy producers have practical tools to protect their operations when markets fluctuate," said FSA Administrator Bill Beam. "Dairy Margin Coverage provides an affordable layer of protection when margins tighten, helping producers manage risk and keep their operations on solid ground."

DMC provides financial protection when the difference between the national all-milk price and average feed cost falls below a producer-selected coverage level.

The Working Families Tax Cut Act reauthorized DMC through 2031 and strengthened the program to provide dairy producers with greater risk protection. These improvements took effect beginning with the 2026 program year and expanded the amount of production eligible for Tier 1 protection from five to six million pounds, updated production histories to better reflect current dairy operations, and provided producers with an opportunity to secure coverage through 2031 at a 25% reduced premium cost.

By protecting against periods of tighter margins, DMC provides an additional measure of financial stability and helps producers manage cash flow when milk prices, feed costs or a combination of the two put pressure on their operations. DMC payments trigger when the national dairy margin falls below a participating operation's selected coverage level.

2027 Enrollment

Producers can select DMC coverage levels ranging from \$4.00 to \$9.50 per hundredweight. DMC includes a catastrophic level of coverage available at no premium cost, although an annual \$100 administrative fee generally applies. Producers may also purchase higher levels of coverage to provide additional protection against declining margins.

Dairy producers should evaluate their operation's risk management needs when selecting a coverage level. USDA provides an online dairy decision tool. Producers should contact their local FSA county office to enroll in DMC for the 2027 program year.

Producers who previously elected the multi-year DMC option for 2026 through 2031 are reminded that they must still certify to commercially market milk, sign a DMC contract, and pay the \$100 administrative fee for each program year to maintain coverage. These producers will continue at the coverage level and percentage selected under their multi-year election and receive the 25% premium discount.

More Information

For more information about DMC, including current program information and DMC margins, dairy producers can visit fsa.usda.gov/dmc or contact their local FSA county office.

Milk Replacer Formulation Impacts More Than Growth

Victoria Blaney - W.H. Miner Institute Graduate
Student

As we prepare to welcome a new season and changing temperatures, I felt that this article written by W.H. Miner Institute Graduate Student, Victoria Blaney, was a great reminder when considering not only growth rates in calves, but how to target calf health and metabolism needs. - ML Collins

There is a wide range of milk replacer (MR) macronutrient profiles available on the market. As a producer or nutritionist, the focus is on selecting the right MR to achieve optimal growth rates aligned with the dairy's goals. Most people will usually focus on the fat and protein content within the milk replacer. Another macronutrient that might not be as commonly discussed in this conversation is lactose (energy source).

Growth performance alone may not fully capture how MR composition differences may affect calf health and metabolism. The question remains: How do the macronutrient profiles of these products affect calves from a health perspective?

Wilms et al. (2023) evaluated the chemical and physical changes that the calf goes through after consuming a meal, and gut permeability in calves fed MR with different macronutrient profiles compared with a whole milk powder.

The MR treatments included a high-fat MR (25.0% fat, 22.5% protein, 38.6% lactose), a high-lactose MR (18% fat, 22.5% protein, 44.6% lactose), a high-protein MR (18.0% fat, 26.0% protein, 41.5% lactose), and a whole milk powder (26.0% fat, 24.5% protein, 38.0% lactose). Holstein bull calves were randomly assigned to one of the four liquid diets over a 28-day period. Calves were offered water *ad libitum*, but no solid feed was offered during the 4-week treatment period. Milk was reconstituted to 13.5% solids and fed at a volume of 3 L per feeding, three times daily.

The researchers evaluated feed intake, body weight (BW), average daily gain (ADG), fecal scores, total tract digestibility (TTD), markers of gut permeability, and abomasal emptying rate.

Urine samples were collected to measure markers administered to assess intestinal permeability. Blood samples were collected to measure non-esterified fatty acids (NEFA), alkaline phosphatase (ALP), total triglycerides, insulin, glucose, adiponectin, and leptin.

There were no differences in BW or ADG across treatment groups over the entire study period. This finding is important as it shows how different macronutrient profiles can lead to similar outcomes of growth performance, while producing different physiological responses. Therefore, evaluating a MR program solely based on BW or ADG goals may overlook differences in how calves digest, absorb, and metabolize nutrients.

Despite the similarities in growth, differences were observed in gastrointestinal function and metabolism. Gut permeability was the highest in the calves fed the whole milk powder, then the high-protein MR, and the lowest in the high-lactose MR treatment group. Calves fed whole milk powder and high-protein MR had the slowest abomasal emptying rates, likely due to a higher protein and casein content. A slower abomasal emptying rate would influence the rate at which nutrients are delivered to the small intestine and affect nutrient absorption and metabolism.

The authors evaluated gastrointestinal health through the percentage of days with diarrhea. One examiner used a three-level scoring system to determine diarrhea, 0 = normal feces, 1 = wet feces, 2 = watery feces.

This was lower in the first week for calves fed the high-protein MR and higher in the third week for calves fed the whole milk powder compared with the other treatment groups. The urinary recovery of permeability markers was greater for the calves on whole milk powder and high-protein MR, indicating a possible decrease in intestinal barrier function.

There were no differences across the treatment groups for the intestinal permeability index, indicating that there was no damage to the intestinal mucosa. Instead, these differences may be explained by protein digestion. The whole milk powder treatment group had a lower apparent TTD of dry matter (DM), which could be due to a greater amount of undigested protein reaching the large intestine, consequently leading to higher gut permeability.

Practically, on farm it's important to consider intestinal permeability because of the susceptibility to disease. Calves with higher permeability may be more likely to be challenged with enteric pathogens. However, it is important to consider that looser feces doesn't necessarily mean a disease state.

The authors stated that the number of therapeutic interventions was higher in the high-fat MR treatment for diarrhea and respiratory disease. They attributed this due to the high-fat MR treatment having a lower blood IgG concentration than the other treatment groups (15.6 g/L, versus 19-20 g/L).

More liquid in manure doesn't always mean the need for treatment. This has a lot to do with the increase in intestinal permeability, hypersecretion of water, and malabsorption of water and nutrients due to epithelial damage in the intestines. The differences observed here may predispose calves to certain situations, but it's not a guarantee. In this study there were no differences in growth, so the macronutrient composition probably wasn't influencing growth and the differences in permeability did not impair growth of the calves. Depending on the environment and stress situations on other farms, the outcomes could be different and influence some health outcomes.

Therefore, it's necessary to consider all aspects of the dairy, including the environment that the calf is exposed to, feeding and health related protocols when selecting the appropriate MR formulation to meet the growth and health related goals of the dairy.

Seedsmans Best Picks

**Pioneer 2026 Top Picks - Tyler Stevenson Field Agronomist -
Contact CNY Crop Solutions at (315) 334-2035**

Corn Grain

PIONEER® hybrid P91083PCE™ / P91083V™

91 CRM / 94 SILK CRM

- Offensive to versatile early-90 hybrid with strong yield potential.
- Above average stalk strength (rating 7); solid root strength with solid agronomic package.
- Dual-purpose option with 93-day silage CRM; good NLB & disease tolerance.
- Highly suitable for early planting in cool, wet soils.

PIONEER® hybrid P98125pce™ / P98125V™

98 CRM / 96 Silk CRM

- Offensive Optimum® AQUAmax® hybrid that responds well to high inputs & offers stability.
- Improved test weight vs. P9845 genetics; excellent NLB resistance (rating 7)
- Above average root strength (rating 7) with outstanding drought tolerance (rating 9)
- Available in PowerCore® Enlist® and Vorceed® Enlist® packages.

PIONEER® hybrid P00787PCE™ / P00787V™

100 CRM / 100 SILK CRM / 100 SILAGE CRM

- Eastern leader! High yield potential with excellent drought tolerance (rating 8) & stability.
- Excellent test weight & Gibberella ear rot (GIBERS) tolerance for grain.
- Available in PowerCore® Enlist® and Vorceed® Enlist® packages.

Corn Silage

PIONEER® hybrid P92399PCE™ / P92399V™

92 CRM / 92 SILK CRM / 93 Silage CRM

- Offensive/versatile hybrid - raises the bar for yield potential in the early-90 maturity.
- Strong stress emergence & outstanding drought tolerance (Optimum® AQUAmax®, rating 9).
- Northeastern fir with above average ear-flex & solid Gibberella ear mold tolerance.
- Available in PowerCore® Enlist® and Vorceed® Enlist® packages.

PIONEER® hybrid P96567PCE™ / P96567V™

96 CRM / 100 SILK CRM / 97 Silage CRM

- The mid-90 day product we've been looking for silage! Excellent drought tolerance (rating 8).
- Great grain & silage yield potential with solid test weight and Gibberella ear mold resistance.
- Above average stalk strength (rating 6) and good NLB & Disease package.
- World class plant health & Staygreen (rating 7).

PIONEER® hybrid P01851PCE™ / P01851V™

101 CRM / 103 SILK CRM / 100 Silage CRM

- Exciting addition in the early 100-day range replacing former leaders like P9823Q and P0035Q
- Top end yield with good drought tolerance (rating 7) & strong plant health.
- Dual-purpose with excellent tonnage & silage quality at 100 silage CRM.
- Solid stress emergence.

Soybeans

PIONEER® brand P16Z33E™

1.6 RM / Peking SCN / Enlist E3®

- Versatile variety replacing P16Z42E™ brand; offering top end yield & stability.
- Strong defensive trait package for placement across variable environments.
- Good standability (rating 6) and solid white mold tolerance (rating 5).

PIONEER® brand P21Z05PE™

2.1 RM / Peking SCN / Plenish® × Enlist E3®

- Earliest Plenish® × Enlist E3® offering available.
- Peking SCN resistance with 1k gene and good Phytophthora field tolerance.
- Replacement for P19A27PR in short season Plenish lineup

PIONEER® brand P24Z55PE™

2.4 / Peking SCN / Plenish® × Enlist E3®

- Leader variety for NY and New England; strong agronomics and good disease package.
- Excellent standability (rating 8) makes this variety a great fit for highly productive soils.
- Above average field emergence (rating 8) with solid white mold tolerance.

Wheat

PIONEER® brand 25R29

Awned / Heading Date +1 day vs. 25R40 / SRWW

- Leader full-season awned variety with high yield potential and excellent yield stability.
- Good head scab tolerance (rating 7), solid test weight (rating 8), and strong lodging resistance (rating 7).
- Good winterhardiness (rating 8) and above average leaf rust tolerance.

PIONEER® brand 25R402

Awned / Heading Date: Same as 25R40 / SRWW / NEW

- New - high yield potential with excellent test weight (rating 8) and outstanding scab tolerance (rating 7).
- Strong lodging resistance (rating 8) and excellent winterhardiness (rating 8).
- Very good leaf rust (rating 7) and stripe rust (rating 7) tolerance; P25R402 has all the makings of a leader line.

PIONEER® brand 25R64

Awned / Heading Date: +1 vs. 25R40 / SRWW

- High yield variety with good test weight (rating 7) and solid lodging resistance (rating 7).
- Good head scab tolerance (rating 6) with excellent leaf rust resistance (rating 8).
- Above average stripe rust tolerance (rating 7); solid all-around disease package.

GrowmarkFS 2026 Top Picks - www.growmarkfs.com - (800) 787-2767 - customerservice@growmarkfs.com

Grain Corn

FS 4657T - 96 M hybrid with Trecepta trait to pick up above ground pests including Western Bean Cutworm.

- Consistent performance with a nice offensive look that yields like a champ.
- Handles all soil types and excels on the highly productive acre.
- Flex ear type that has exceptional grain quality and high Test Weight.

Dual Purpose Corn

FS 4665P - 96RM that carries three modes of action to combat the ongoing threat of rootworm.

- Pushes yield of grain or silage to next level.
- Excellent emergence and early vigor.
- Girthy semi-determinate ear type that fills to tips and can handle medium to high pops.

Dairy Select Silage Corn

FS 4065P - 90 RM Dairy Select hybrid that carries the full below ground trait package.

- Excellent early season vigor and highly offensive.
- Above average ratings for Northern Corn Leaf Blight, Grey Leaf Spot and Tar Spot.
- Consistent Semi-flex and girthy ear with large, deep kernels.
- Super yielder that has excellent ratings for all silage characteristics.

FS 3665P - 86RM Dairy Select that carries the full below ground trait package.

- New early season leader with impressive yield.
- Makes grain-dense, energy rich feed that pushes high NDFD.
- Girthy semi-flex ear type that can handle medium to high pops.

Corn Rootworm Management

Jeff Miller - OCSWCD

A few local farmers experienced damage from corn rootworm (CRW) this year. Some saw the damage in fields where they had planted a BT hybrid.

I don't scout fields any more but, I called some CCE staff that regularly scout in the central NY area to learn as much as I could about local CRW damage.

A common theme was that corn was planted in the field for several years.

Some folks were using the same hybrid for a few years.

CRW management:

- Scout fields once a week for 3 weeks using the established protocol or until a population of CRW exceeds the economic threshold. The results will determine if you have enough CRW to warrant management
- Rotate fields out of corn
- Choose a suitable seed treatment for the second year of corn production
- Switch to a BT hybrid in your third year of continuous corn
- Talk to your seedsman find out about the BT event used in each of the hybrids you are considering. Is it a single BT event or multiple. More BT events stacked in the same variety usually yields higher potential control. Rotate between BT events to help reduce potential resistance build up to that BT event
- Consider applying native persistent entomopathogenic nematodes which kill corn rootworm larvae helping to maintain sub economic populations over several seasons and crop rotations

Weed Identification & Management of Herbicide Resistance

Jeff Miller - OCSWCD

Weed Identification

There is a statewide effort to identify weeds that are herbicide resistant. The best clue to identify a resistance problem is observing a single weed species that was still unaffected after herbicide application. That may be harder to find this year in soybean fields because of the delay or absence of canopy closure which promoted weed growth in the gaps. Below are a few weeds that have been identified as glyphosate resistant in New York crop fields: mare's tail, waterhemp, Palmer amaranth and giant ragweed.



Marestail



Joe Boggs, OSU Extension©

	Common Waterhemp	Redroot Pigweed	Smooth Pigweed	Powell Amaranth	Palmer Amaranth
Seedling shape					
Stem hairs					
Leaf shapes					
Separate male and female plants	Yes	No	No	No	Yes
Seedhead shape	smooth, long, slender	prickly, short, stout	slightly prickly, long, slender	prickly, very long, thick	very prickly, very long, thick

Management of Herbicide Resistant Weeds

Farmers and researchers know that growing the same crop and using the same herbicide for weed control year after year is a great way to generate a resistant weed population. A weed that escapes the effect of the herbicide and reproduces will produce progeny that also has some resistance to that herbicide. After a few years you generate a large bunch of those weeds with the resistance to that herbicide. Rotating crops, rotating herbicide families, using cultural methods can all help to reduce the development of herbicide resistant weeds.

Local growers have at least a few years of experience with glyphosate resistant marestail. Marestail produces an average of 50,000-200,000 weed seeds per plant, per year. Unfortunately, marestail has seeds with pappus (bristly hairs) that allow the seed to be dispersed a distance from the plant by the wind. This has helped disperse these glyphosate resistant weeds to neighboring fields and made it very difficult if not impossible to contain the spread of these glyphosate resistant weeds.

Members of the pigweed family like redroot pigweed, smooth pigweed, waterhemp, powell amaranth and palmer amaranth produce on average 100,000 to 500,000 seeds per plant, per year dropping their seeds directly in the field where they grow. The average half-life (50% mortality of the population) of amaranth seed is 1-3 years. Seed in the top inch of soil is exposed to extremes in moisture, temperature and predation resulting in increased mortality : 45-88% mortality of powell amaranth in NY. Seed buried at greater than 1" to 6" has a half life of 3 years with 99% mortality at 20 years.

One local grower who identified glyphosate resistant waterhemp on his farm in its first season did a great job of managing it. He paid youngsters in the neighborhood to hand rogue the waterhemp prior to seed production in the first season, helping to significantly reduce the seed population. He no-tilled his next seasons crop leaving the seed on the surface reducing the seed viability. He used a herbicide program that was designed to control the waterhemp that season. He switched to another row crop with more herbicide combinations that were effective on the glyphosate resistant waterhemp in the following season and then planted the site to hay with cutting intervals that prevented any surviving weeds from producing seeds. This grower believed that the resistant waterhemp was a contaminant in the cottonseed he bought as a feed supplement.

Mike Hunter CCE, identified combines purchased from areas with glyphosate resistant weeds as another mechanism of transport of resistant weed seeds and their introduction into new regions. He recommended using every method possible: vacuum, leaf blower, pressure washer etc to remove weeds seeds from the equipment prior to use. He also recommends noting the succession of fields where the equipment is used and scouting those fields for resistant weeds to catch them ASAP.



Call for 2027 Farmer Grant Proposals Open

Read the Call

Project cap increased to \$50,000
\$1M Available

northeast.sare.org/FarmerGrantCall

Find a Technical Advisor

Someone to support you throughout your project. They can help with design, outreach, and troubleshooting.

Start your Application

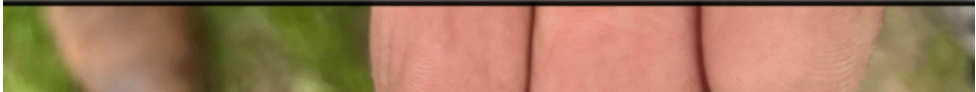
projects.sare.org

Proposals due
Dec 8 by 4 p.m. ET

Register for a Q&A

Question and Answer Sessions
Tuesdays at Noon in November

northeast.sare.org/FarmerGrantQA





DECEMBER 2026

5 IN-PERSON LOCATIONS 2 WEBINARS



REGISTRATION OPEN!

www.eventleaf.com/e/LRS

\$80/person | Check and online payment accepted.

DATES

November 30

Kickoff Webinar

December 7

Walden, NY

December 9

Melone, NY

December 15

Batavia, NY

December 16

Geneva, NY

December 17

Rome, NY

December 21

Closing Webinar

A DECADE OF EDUCATION. A STRONGER AG WORKFORCE.

Approaching its tenth year and hosted by the Agricultural Workforce Development Council of New York State (AWDC), the Labor Roadshow has brought agricultural professionals together to learn, connect, and navigate the evolving challenges of agricultural labor.

The event features timely in-person and virtual discussions by leading experts on critical issues impacting farms today - from labor law and compliance to employee engagement, retention, and workplace culture.



EDUCATING
and supporting
ag professionals



**EXPERT-LED
DISCUSSIONS**
on today's most
critical issues



**PRACTICAL
STRATEGIES**
to strengthen the
ag workforce



**IN-PERSON &
VIRTUAL**



Cultivating Vibrant Agricultural Communities

CULTIVATING VIBRANT AGRICULTURAL COMMUNITIES

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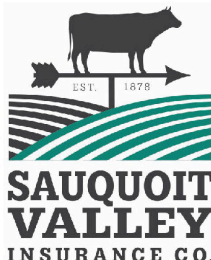
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