

# Country Folks

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# Brink Family Farm awarded Madison County Conservation Farm of the Year

by Troy Bishopp

**N**EW WOODSTOCK, NY - "Faith and family" sums up the mission of the 2023 Madison County Conservation Farm of the Year. The multi-generational Brink Family Farm LLC dairy operation is "dedicated to the call of enlarging God's Kingdom" and "exists to support, encourage and equip the marketplace community to utilize biblical principles in their everyday lives while being good stewards for the environment, animals, consumers, employees, vendors and the community."

Their farming story is a similar narrative of many dairy families. After a lifetime of dairy farming in Tioga County, NY, Gary and Carolyn Brink needed to branch out to accommodate the next generations on the farm. They ended up finding a tidy dairy farm in 2011 to call home along Route 13 in Madison County, formally owned by the Allan Shoemaker family.

They brought their herd of 70 milk cows and started to build out infrastructure and land needs. The expansion also precipitated a formal partnership and LLC in 2012 with sons Dylan, Justin and Patrick, who all work on the farm in various capacities from herdsmen to cropping and mechanic duties.

"We work very well together," said Dylan.

It takes many hands and hours to take care of their now 200 milk cows and 165 dairy replacements along with 550 acres of owned and leased, predominately loam-inspired soil resources within the Limestone Creek Watershed, to grow hay, corn, pasture and cover crops to feed the microbes and the animals.

A new free-stall barn with adjacent manure storage lends itself well to two Lely® robotic milkers which help on the labor front. "I like the concept of being on the leading edge, not the bleeding edge (which is overly risky), with our dairy

farming pursuits," said Dylan.

Their high-quality milk is sold to the Preble Milk Co-Op Association with the farm receiving numerous Super Milk Awards.

The farm started a partnership with the Madison County Soil & Water Conservation District team upon arriving in 2012 to install pasture fencing, a stream buffer and begin the all-important, comprehensive nutrient management plan which "paid huge dividends during the recent spike in fertilizer prices," said Dylan.

Over the next 12 years, the Brink family has implemented myriad common-sense conservation measures including a barnyard with associated treatment system, an animal waste storage system including multiple waste transfer systems, crop rotation, cover crops, a wetland restoration project, an improved access road for cattle and equipment, a reinforced stream crossing, a diversion to eliminate erosion on cropland and a cattle stream exclusion project with adjacent buffer on a tributary to Limestone Creek.

Funding for these projects came from the Brink family, the NYS Environmental Protection Fund, the Finger Lakes-Lake Ontario Watershed Protection Alliance and the NYS AEM Program.

"It's an honor to have been selected for this award. We believe that humanity has been given the directive by God to care for His creation. The designation reflects our goals of doing projects and adhering to farming practices that ensure that our farmland will be here for future generations," said patriarch Gary.

"Working with the Madison County Soil & Water Conservation District team and the Farm Service Agency has been a pleasure, along with appreciating all the businesses that partner with us on these endeavors. They have worked with us to design and engineer the projects and approve practical wetland restoration while



Madison County SWCD Board Chair Rick Barnes congratulates Gary Brink and family.  
Photo by Troy Bishopp

helping us secure cost-share funding to bring our animal health and environmental goals to fruition. This award is a great encouragement to us. It lets us know that the responsibility we feel to care for this creation is not ours alone, but is felt collectively within our society," he continued.

"We've enjoyed working with the Brink family and helping them achieve their business and environmental goals through our AEM planning and implementation program," said District Manager Steve Lorraine.

Madison County SWCD Board Chair Rick Barnes added, "It's great to see my neighbors and fellow dairy farmers receive this honor for all their hard work

and inspiration in protecting and enhancing our soil and water resources while feeding a community and taking care of the next generations."

On hand for the celebration event were Gary and Carolyn Brink; Dylan and Corrina Brink and daughter Norah; Justin and Michele Brink and children Eliza, Cady and Micah; Patrick and Deanna Brink and children, Declan and Evelyn; grandmothers Marien Klett and Patricia Brink; and family members Charles and Paula Petit and Carolyn Devoe, in addition to friends and supporting agri-businesses.

For more information on conservation planning and implementation, contact the Madison County SWCD at 315.824.9849 or madcoswcd.com.

## Creating workplace culture

by Sally Colby

**F**arms have their fair share of challenges finding and keeping good employees. Is it due to an industry-wide shortage, a lack of employees who are willing to learn or is the workplace atmosphere unpleasant?

Linda Falcone, Extension educator of Entrepreneurship, Economic and Community Development, Penn State, said research shows that workplace culture has a direct impact on employee retention. If the culture isn't helping to accomplish goals, changes should be made.

"Culture is the shared set of beliefs values, attitudes, standards, purposes and behaviors," explained Falcone. "It reflects both the written and unwritten rules people follow in your workplace."

Examples include how work assignments are determined and what opportunities there are for advancement. Do people enjoy collaborating and working together, and is the workplace casual or formal?

While most farms have an employee handbook, culture begins where the handbook ends. What are employees doing when management isn't present? While managers

hope employees are doing the right thing, are employees following only the rules set in place, or are they working together to enhance workplace culture? Who do they look to and where do they get answers?

"It's the unwritten way people react and act," said Falcone, further defining workplace culture. "It's the vibe in the organization."

Workplace culture begins at the top - employees should enjoy coming to work each day, and policies in the workplace should affirm a desire among employees to come to work. Employers should evaluate whether the cultural values in the workplace are moving the organization forward and bringing in people who match the organization's values and culture.

"Culture is not good or bad," said Falcone. "It's whether it fits your organization's goals and whether it helps your organization achieve what you want it to achieve. Do you have a written vision and mission? Do people understand the mission and vision, and do they feel they're part of something important and making something happen?"

Everyone learns something about culture from the time

they are children, but in the workplace, it's the responsibility of managers and owners to train new and current employees about what is expected of them. "Culture is behind the work and provides the context for the work," she said. "It's how people work together to get things done."

In a healthy workplace culture, productivity is high and downtime is minimal; turnover is low and morale is high. People want to be present as scheduled, have a desire to work cooperatively with others and are satisfied with their jobs.

"They know what's expected of them, they fit in and belong and enjoy working toward the mission and vision," said Falcone. "They know who to go to when there's a problem so problems are resolved quickly and in the way management wants them resolved."

In a healthy workplace culture, job-related politics are minimal and employees at all levels work together as a team without division. Managers have the same general goals and address issues according to the same rules and standards. Examining the workplace culture requires self-examination by management to determine what's working well and what needs to change.

A survey of dairy farm employees revealed their top



# The value of manure in five stories

by Enrico Villamaino

Animal manure applications can increase soil organic matter in both medium- and long-term application periods. Consequently, manure contributes to reducing soil bulk density and compaction as well as increases soil aggregate stability, water infiltration and retention.

Cornell Cooperative Extension recently sponsored the presentation “The Value of Manure in Five Stories” to present farmers with examples of how prudent application of manure can benefit their operations.

Presentation of the seminar was conducted jointly by Dr. Quirine Ketterings, professor of nutrient management, Kirsten Workman, nutrient management and environmental sustainability specialist, and Juan Carlos Ramos, an on-farm research coordinator for the nutrient management program at Cornell.

“Manure contains all 17 essential nutrients,” said Workman. “It is incredibly important to our cropping systems.”

## Injection of Manure in Alfalfa/Grass Fields

According to Ketterings, this research project came about to answer two practical questions: “Will application of manure increase alfalfa and grass yields? And does injection reduce yields due to mechanical damage of the root system?”

Ketterings described the four treatments of this research: no manure addi-

tion (no slicing, no manure), “disk down, no manure” (slicing of the soil only), injection of liquid dairy manure and surface application of manure.

“We found that the application of manure resulted in increased yield, often doubling or more than doubling the yield,” she reported. She also noted that there was no difference in yields between plantings that sliced the soil and those that did not.

## Chisel vs. Shallow Mixing for Corn

“More and more we talk about injection,” said Workman. “But we also want to share that you don’t have to be high tech to get your manure incorporated.”

This study compared the application of manure using both a deeper chisel toolbar and a more shallow aeration toolbar as well as a simple surface application.

“Both aeration and chisel applications gave us a yield benefit over a surface application,” Workman said.

## Direct Seeding of Corn After Manure Injection

Ketterings explained, “This research was based on the questions ‘Can I just seed directly after manure injection, or do I need another tillage pass to prepare the seedbed?’”

Ketterings and her team found no difference between treatments, suggesting that farmers could plant directly after manure injection.

“This can sustain yields and conserve



(L - R) Researchers Dr. Quirine Ketterings, Juan Carlos Ramos and Kirsten Workman

nitrogen while reducing soil disturbance, risk of phosphorus runoff and tillage-associated fuel, equipment and labor costs,” she added.

## Sidedressing of Standing Corn

This trial sought to answer whether there is a net benefit to applying manure to corn crops once the plants have begun growing. According to Workman, “Trials showed that sidedressing of liquid manure increased yield beyond what could be achieved with nitrogen fertilizer.”

Furthermore, Ramos noted that “there was no yield increase due to inorganic fertilizer application” - indicating that the practice of sidedressing crops with manure might actually eliminate the need for nitrogen fertilizer in this instance.

## Carryover of Yield Benefits from Corn to Alfalfa

This final study tracked five years of

plantings of alfalfa directly after five years of corn plantings on the same land. The variable in this trial was that some of the corn plantings had received manure treatments while others had not.

Ketterings detailed her findings. “All of the fields [that had manure applications during their corn growing years] out-yielded the fields that had not received any manure during their corn years,” she said.

These results support the position that the benefits of manure use are not just realized in the year it is applied, but also for a number of years afterward.

“These are tremendous yield benefits,” Ketterings stated. “There were several tons of difference in the yields between the fields with manure applications versus the use of inorganic fertilizers.”

“This really shows the value of manure!” added Workman.

# Onondaga County 4-H'ers compete in Region 3 Horse Bonanza

On March 5, nine 4-H members from Onondaga County participated in the Region 3 Horse Bonanza in Lewis County, competing against teams from Oswego and Oneida counties. The contest is divided into two competitions: the Horse Bowl Contest and the Hippology Contest. The top scoring contestants from the contest will represent Region 3 at the state events.

The primary objective of both contests is to provide an opportunity for youth enrolled in 4-H horse projects to demonstrate their knowledge of equine-related subject matter in a competitive setting where attitudes of friendliness and fairness prevail.



Top 10 places for Novice Hippology.

Onondaga team members did an outstanding job, with Senior Team B placing second and Onondaga A placing third in Horse Bowl. Onondaga B placed first in Hippology and Onondaga B placed third. The Novice Team placed first in Horse Bowl and second in Hippology.

Individual places for Onondaga 4-H'ers for Horse Bowl (and moving on to compete at States) are third, Marissa Bartholomew; fourth, Alexis Forster; seventh, Arabella



Onondaga Novice Horse Bowl Team - Ava, Emily and Nataleigh.



Onondaga Senior Hippology Team B - Alexis, Arabella, Marissa and Lanella.

Photos courtesy of CCE Onondaga

Ferris; ninth, Olivia Killam; and 10th, Kacee Killam.

In the Novice Horse Bowl Division are first, Ava Morris; second, Nataleigh Smith; and third, Emily Mintonye.

In the Senior Hippology Division of the program were first, Marissa Bartholomew; fourth, Alexis Forster; fifth, Arabella Ferris; sixth, Delanaey Dunn; and 10th, Kacee Killam. In the Novice Division were first, Ava Morris; second, Nataleigh Smith; and fourth, Emily Mintonye.

Thanks to coaches Kristi Killam, Danielle Katz and Jennifer Barnett for being positive coaches and role models for all of our teams. Congratulations and good luck to the 4-H'ers from Onondaga at the NYS educational events in April and August.



# Letter to the Editor

**How Much More Can the Average Dairy Farmer Take?**

After receiving a pay price of \$26.92 for their milk in June 2022, many dairy farmers thought that possibly the prices had really turned the corner. However, thousands of these same dairy farmers were having a large sum of money taken from their milk checks by their dairies.

Before the dairy farmers received their milk checks, many of them had at least \$3/cwt. taken from them. Others claim they had at least \$4/cwt. removed from their checks before they received them.

However, dairy farmers claim that their check of February 2023 starting price was \$20.75/cwt. This is a tremendous drop from June 2022.

Dairy farmers also claim that the takeout from their milk checks was substantial. It's time that some people with some authority pay attention to the finances that dairy farmers are facing. I'm talking mainly about the average cost of production facing dairy farmers.

So many claim that their total cost of production is continually rising tremendously. In determining the national average cost of production, I don't know how much the USDA allows for marketing costs to be deducted in their figuring of the total cost.

By using the national average cost of production from the USDA of \$28.50, dairy farmers were receiving \$1.50/cwt. below their cost. Again, we don't know the total cost that the USDA allows for marketing costs to be taken from the dairy farmers' milk checks.

However, the pay price that dairy farmers currently receive from their milk check is \$20.75/cwt.

## Value-Added Producer Grant program now open

<p>The Value-Added Producer Grant (VAPG) program helps ag producers enter value-added activities to generate new products, create and expand marketing opportunities and increase producer income. This program is a part of the USDA.</p> <p>The application window is now open. Paper applications are due May</p>	<p>16. Electronic applications are due May 11.</p> <p>You may receive priority if you are a beginning farmer or rancher; a socially-disadvantaged farmer or rancher; a small or medium-sized farm; a ranch structured as a family farm; a farmer or rancher cooperative; or proposing a mid-tier value chain.</p>	<p>More information on the VAPG can be found at <a href="https://tinyurl.com/4u956ket">tinyurl.com/4u956ket</a>.</p> <p>CADE hosted an online VAPG overview webinar earlier this year. Contact James Cagle at <a href="mailto:james@cadefarms.org">james@cadefarms.org</a> to gain access to the recording. One-on-one assistance in navigating the grant for your business is also available by contacting Cagle by email.</p>
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### Creating workplace from A2

priorities include a desire to have fun at work under good leadership. Salary, bonuses and pensions weren't as high on the list as other priorities, proving that good employees aren't solely focused on a paycheck.

Culture is also related to how long people remain with an employer. Some of the reasons people cite for leaving jobs include poor leadership, lack of respect for management, substandard coworkers, lack of training, no chance for advancement and scheduling issues.

Employers want to hire people who meet basic expectations, but employers also have to meet expectations. "We want our opinions to be valued, and we want feedback," said Falcone. "If there's negative feedback, do it in a way that's constructive and not destructive. People want a sense of belonging and purpose in life."

Employees want to work for someone who meets the terms of hiring. If someone is hired for morning work but is then scheduled to work at night, they will quickly become dissatisfied. Employees expect courtesy from managers and coworkers, and are more willing to work a different schedule if they're respected and treated as valuable team members.

"The cost to recruit someone is about \$4,000," said Falcone. "That varies widely but with turnover rates, it can be as much as 30% to 50% of an entry level salary."

If an employer has been documenting what a new employee has been doing on the job and sees less than desirable work habits, expenses can add up quickly. Managers have likely had meetings with the employee, which means time spent doing paperwork, possibly followed by unemployment to pay. Next comes the cost to hire another person including advertising, interviewing, screening, background checks and making sure all points are covered.

This means the takeout from the average milk check is \$7.75 below the national average cost of producing milk. A staunch member of Pro-Ag keeps reminding me of the total cost to our dairy farmers for the last several years. We also carry signs with us illustrating the billions of dollars of losses experienced by the New York, Pennsylvania and other area dairy farmers.

Many consumers ask us how dairy farmers can continue to sustain these losses and stay in business.

The answer is simple! Many of these dairy farms no longer exist. Currently, Congress is considering placing "the higher of" in the pricing of Class I milk. This amount will fall way short of the needs of all dairy farmers.

The question is, why is everyone pushing to change the Class I formula and do nothing about pricing the other 70% of milk correctly? Everyone in business must be able to cover their cost in order to continue to operate.

Federal Milk hearings will soon be held, but they will not remedy the dairy farmers' dilemma. If dairy farmers are to survive, then a new pricing formula based on the national average cost of production must be developed in order to allow dairy farmers to stay in business.

Some of us have been advocating for cost of production in the pricing formula for many years. If dairy farmers don't push for cost of production in the pricing formula for their milk, and they continue on the same path, then don't blame some of us for your dilemma.

Pro-Ag can be reached at 570.833.5776.

**Arden Tewksbury**  
Manager, Pro-Ag

*The opinions printed are not necessarily those of the staff or management at Country Folks. Submit letters of opinion (500 words or less) to [cfeditor@leepub.com](mailto:cfeditor@leepub.com) or mail to Editor, Country Folks, P.O. Box 121, Palatine Bridge, NY 13428.*

Subsequent onboarding, training and the time it takes a new employee to become accustomed to the operation also takes time that comes with a cost. A new employee might be on board within a certain amount of time but not productive for several more weeks.

There are unseen costs of people leaving employment, including lost expertise and lost productivity if there's no one on the farm who can immediately fill the position. There's also potential for decreased morale when other employees see people leaving.

One priority for managers in establishing good workplace culture is clarity in what employees are expected to do and how it is taught. Mentors are often a good solution for helping new employees understand the culture, and managers should take time to spend with new employees to determine the success of the acclimation process.

Consider the rewards and punishments in the organization, which should be clearly stated and demonstrated by experienced employees and management. "Look at what you're teaching, what you're rewarding and what you're punishing," said Falcone. "Pay attention to people - what they're saying and doing. They want to work in a good place and will give feedback they think will help. Even naysayers who complain really care about the organization and want things to be good for themselves and others."

Managers should constantly reinforce the farm's mission and vision, and consistently reinforce desirable activities. When a new concept is introduced, perhaps a weekly meeting with coffee and donuts, does the atmosphere become more inviting to all employees?

"Culture affects so many aspects of the operation," said Falcone. "It determines the path your organization takes to reach its goals, mission and vision."

# Country Folks

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Cover photo by Troy Bishopp  
The multi-generational Brink Family Farm LLC dairy operation is "dedicated to the call of enlarging God's Kingdom."



# Tax issues farmers need to know

by Courtney Llewellyn

If you're responsible, it's likely you've already filed your taxes this year. Responsible farmers are also already planning ahead for next year's filing too, and with that in mind, some tax issues specific to farmers are addressed below.

Chris Hesse, CPA, covered these issues during a session at this spring's Farm Bureau Fusion conference. He kicked things off with some memorable quotes, including this quip: "There will always be two classes of people who don't like to pay income taxes: men and women."

The first thing Hesse discussed was **deferred income** from crop sales. Deferred income is an agreement to receive income from a sale in the next tax year. For that to happen, though, you'll need a constructive receipt. This ensures income is taxed no later than when the recipient has a right to demand payment.

"You'll run into trouble with the IRS if the timing is off," Hesse said. "Your deferral agreement must be in place no later than the time of the sale. Get a deferral in writing if you're selling in October and getting payment in January."

He added that written deferral agreements can be

amended. Remember that when you receive the check is when it can be taxed.

"If you're relying on deferred payment, you're running a risk," Hesse said. "Get the income in your hands, then make other tax plans."

Next was information about **installment sales** for fixed assets (land and other real estate). Farmers can recapture income recognized in the year of the sale for equipment and most farm depreciable real estate (such as feedlots, dairy and swine facilities, irrigation and storage assets).

Since equipment is subject to depreciation, it's also subject to recapture as ordinary income. It can't be deferred.

**Prepaid expenses** are another tax tool farmers may use. Producers can do this if there's a business purpose for a purchase, such as insuring against price increases.

There is a limit on prepaid farm supplies. The deduction for prepaid supplies may not exceed 50% of non-prepaid operating expenses (including depreciation). "There are exceptions with a change in business or you've met the 50% test in the prior three years," which is more for new farmers, Hesse said.

He emphasized that rent is not a prepaid farm supply.

Farmers may prepay up to 12 months of feed, seed or fertilizer - anything that's going to be consumed in the next 12 months.

"Be aware of the mailbox rule," Hesse cautioned. "The income is deductible when the check is placed in the mail."

To cover equipment purchases, the equipment must be available to be placed in service for intended use in that calendar year - for example, a combine that is dealer prepped and delivered on Dec. 31. Hesse noted the issue recently has been that dealers don't have the items to deliver due to supply chain issues.

Farmers can also make **charitable gifts of commodities**. They can transfer ownership to a charity, who then completes the sale. The gift can be current year crop (and non-charitable gifts should use the prior year crop). The benefits of making gifts are for those not itemizing deductions.

"The benefit is from not selling the crop and therefore reporting the income," Hesse said. "There's no appraisal because there's no charitable deduction."

He said the farmer's benefit comes from not selling the grain, he added, but it does take a little more paperwork. It can also be difficult to do with things that are highly perishable (such as milk) or livestock (as whoever owns the animals is supposed to feed them).

Another option is utilizing **commodity wages** - paying employees with a crop. Hesse said the benefit is these wages are not subject to payroll taxes. Again, however, livestock and highly perishable commodities can be problematic.

The last thing Hesse addressed was **farm income**

**averaging**. He said this provides a benefit when the current year's income is taxed in a higher bracket than at least one of the prior three years.

"Do this when your income goes up," he suggested. "And file a Schedule J, not amendments of previous years' filings."

As a final piece of advice, Hesse told farmers to do tax planning every year and not rely and what they've always done.

"And verify everything with your own tax professional," he said.



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# Scouting can save forests

by **Deborah Jeanne Sergeant**

If you live in the Northeast, you may hWhether as part of a maple sugaring stand of trees, future timber sale, silvopasture system or overall land management, it pays to know how insects and disease affect your trees. At the recent New York Farm Show, Kim Adams, Ph.D., entomologist with the SUNY College of Environmental Science & Forestry, presented "Tree Health: Insects and Diseases of Concern in New York in 2023."

In her 20 years presenting at the Farm Show, Adams has seen different insects phase in and out of concern. But one of the constants of her work is asking landowners why they own forest.

"That makes a difference in how you approach all these things," she said. Ownership objectives can include aesthetics, investment, maple syrup or other forest products, recreation, timber, water quality, wildlife habitat and preservation and more.

Just as with crops, not all trees grow well at all sites. "Most people see if it's brown on the bottom and green on the top, and that's all that matters," Adams quipped. "Appreciate the site and what the insects and diseases will tell you."

In the northern hardwood region, forest tent caterpillars affect sugar maple trees, quaking aspen, red oak and black cherry trees, among other species. As native, whole-leaf defoliators, these pests leave obvious damage from their handiwork: piles of leaf debris below the trees and few leaves on the tress.

Wintertime is a good time to scout as the bare trees show egg masses on the

ends of last year's twigs. They may be spotted by using binoculars while standing on the ground.

"They have a narrow window in which they can be successful," Adams said. "Timing can be slightly off."

The friendly fly, also called the parasitoid wasp, is a naturally occurring predator of the forest tent caterpillar. Although they cannot bite humans, they attack the caterpillars. "These keep outbreaks from getting bad," Adams said.

Sometimes, landowners mistake a tree disease for an insect because the effects appear similar - such as Anthracnose, a group of fungal pathogens that overwinter and thrives in cool, wet springs.

"It can be enough to defoliate the tree, but not generally," Adams said. "It can take a while."

A maple syrup maker seeing his trees defoliated may not suspect it's fungus. Another pest affecting sugar maple trees is the sugar maple borer. "It looks like wasps, but they're beetles," Adams said.

Since she has never captured them in the wild, Adams isn't convinced it's a widespread problem. But it's still important to note the presence of a sugar maple borer.

"When a beetle goes into a tree, a sugar maple 'bleeds,'" Adams said. "The big thing a sugar maple borer will tell you is the tree is not on the best site or the tree is stressed." The holes are bullet-shaped and oblong.

The insect identifying stressed trees can help maple sugarmakers know which trees to pay attention to and whether to treat or cull. Since the presence of the borer can indicate an unhealthy tree, by

extension, this can mean that the site is not ideally suited for sugar maples, which thrive on rich, loamy soil, not rocky soil with poor drainage. The borer's persistence may help a landowner decide to shift attention to a different area of the farm for setting up a maple stand or change the operation altogether.

The first year of the borer's two-year lifespan, it goes horizontally around the trunk, leaving a mark. The following year, it goes vertically up the trunk. Fortunately, woodpeckers devour many sugar maple borers. Their signature pecking holes also can help alert landowners of the presence of the borer. Most of the time, healthy trees survive the borer's attack but maintain a lifetime scar as a reminder of the pest's presence.

"The populations aren't large at this time," Adams said. "They do not destroy the tree, but they're not helping its economic value. Trees can survive for decades with this scar. It disrupts the conduction."

The maple leaf cutter represents another maple pest. This tiny caterpillar is seen sporadically but it can damage trees. Adams said to look for leaves with multiple circle-shaped holes, which is where the maple leaf cutter has been feeding. The maple leaf cutter can over-

winter.

The pear thrip is also a very small insect. It can damage fruit trees and sugar maples. "It gets started very early," Adams said. "It feeds in the buds when softened, but not opened."

The pest produces one generation annually. Look for shrunken-looking leaves mottled with yellow and brown and possibly blisters. Trees affected by pear thrips will lose their leaves prematurely in autumn.

A recurring pest has resurfaced to damage beech trees: beech bark disease. Adams said that the American beech "gets a bad rap in the Northeast if you're growing for timber. But with the absence of chestnut and oak, it's ecologically important."

The current manifestation of beech bark disease is the second iteration in Adams's lifetime. The disease is caused by insects that chew through the bark which predisposes trees to two canker fungi and kills a small area on the bark. The diseased areas eventually girdle the tree and kill the upper canopy and eventually the tree.

"It looks like pockmarked bark," Adams said. "The spores are red."

Scouting A7

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# NCBA slams FDA Commissioner's comments on Cell Cultured Meat

On March 29, National Cattlemen's Beef Association (NCBA) Vice President of Government Affairs Ethan Lane slammed Food and Drug Administration (FDA) Commissioner Robert Califf's comments regarding cell cultured meat that he made during a hearing on the FDA's fiscal year 2024 budget request:

"By his own admission, the FDA's role is to ensure

food safety, but Commissioner Califf's comments today indicate that he intends to bring his agency into climate and environmental discussions while promoting cell cultured meat. This viewpoint is extremely disappointing to America's cattle producers whose stewardship of the land already does more to protect our environment than fake meat production ever will. We appreciate Congress-

woman Letlow shining a light on these concerning issues at FDA and hope that Commissioner Califf will reverse course and coordinate with the U.S. Department of Agriculture on the regulation of these cell cultured substitutes."

Watch Commissioner Califf's comments at [tinyurl.com/7cjuath3](https://tinyurl.com/7cjuath3)

## Scouting from A6

She also warned about beech leaf disease. It has been identified in New York across the western half the state, in a few central New York counties and throughout downstate. The disease causes leaves to die, and eventually the tree will follow. It's caused by microscopic nematodes that may be native; however, scientists remain unsure.

In two to seven years, the nematodes' damage to the leaves kills the tree. It can take months for saplings and about seven years for mature trees.

"Look up to the canopy for striping on the leaves,"

Adams said. "Nematodes are feeding on the leaves. You'll see curling." So far, no treatments exist for beech leaf disease.

The spongy moth (formerly called the gypsy moth) affects oaks, the pest's favorite food. In their absence, the spongy moth will move on to other trees, even evergreens. Adams encouraged landowners to treat them before a full outbreak occurs.

"Look for pieces of foliage on the ground," she warned. "Scout your trees."

The spongy moth leaves behind egg masses in soft, white material that looks like a sponge. "Spray while they're still young," Adams said. "Insecticide won't work well when they're mature."

She encouraged attendees to research their particular tree issue on Cornell's Plant Disease Diagnostic Clinic at [plantclinic.cornell.edu](https://plantclinic.cornell.edu).

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Dr. Kim Adams, entomologist with the SUNY College of Environmental Science and Forestry, presented at the recent New York Farm Show.

Photo by Deborah J. Sergeant

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Weekly SUDOKU

by Linda Thistle

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	6		3					4
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Place a number in the empty boxes in such a way that each row across, each column down and each small 9-box square contains all of the numbers from one to nine.

DIFFICULTY THIS WEEK: ♦

♦ Moderate ♦♦ Challenging  
♦♦♦ HOO BOY!

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MAGIC MAZE • ZERO

Z C Y V R O L H E B X U R O F  
L I E B Y V S Q N K H E B R Y  
W T H R O L J G E B Y W E U R  
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T Q O M W N D K I G Z E R U C  
A H Y L W O U A S I Q O E L P  
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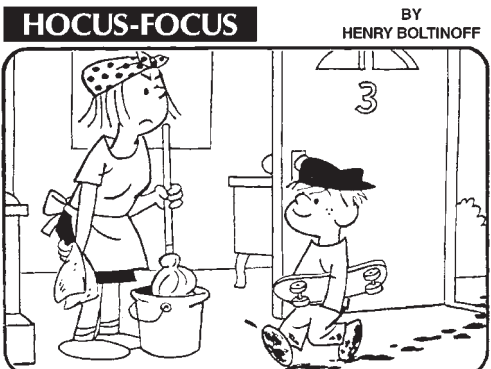
Find the listed words in the diagram. They run in all directions forward, backward, up, down and diagonally  
Unlisted clue hint: THE — POINT OF WATER C°

Cipher	Naught	No value	Null
Goose egg	Nil	Nonentity	Zilch
Love	No growth	North	Zip
Nada	No score	Nothing	


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HOCUS-FOCUS

BY HENRY BOLTINOFF



Find at least six differences in details between panels.

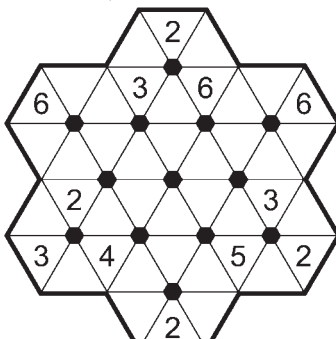


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SNOWFLAKES

by Japheth Light

There are 13 black hexagons in the puzzle. Place the numbers 1 - 6 around each of them. No number can be repeated in any partial hexagon shape along the border of the puzzle.




DIFFICULTY THIS WEEK: ♦♦

♦ Easy ♦♦ Medium ♦♦♦ Difficult

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Americanisms



"The Easter Bunny ate all of the carrots we left for him.  
What a pig."  
— Steve Carell

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Super Crossword

THEATER FOOD

ACROSS

1 Sponsored part of a magazine

7 Probability

11 To be, in Toulouse

15 "Elizabeth" star Blanchett

19 Ripped into

20 Buccaneer's topper

22 Major Norse god

23 1940 drama based on a Steinbeck novel

25 Tri- tripled

26 Possible reply to "Are you?"

27 Become indistinct

28 Architect I.M. —

29 Five doubled

30 Endemic to

31 Bed for Baby

33 Pas' partners

35 2006 Jack Black comedy

38 1999 Jason Biggs comedy

43 Psi precursor

44 1950s Ford

45 Hoped-for altar reply

46 Live wire

48 Airborne toy

50 Andrew Carnegie's corp.

54 1970 Godfrey Cambridge comedy

59 Discoloration

60 Computer since 1998

62 Cellular stuff

63 Pipe mouth

64 Fly apart

65 Jazz singer Jones

67 Health resort

69 Unprocessed

70 1984 horror film based on a Stephen King story

76 Start-up loan org.

78 Cheyenne's state: Abbr.

79 French painter Dufy

80 Grace under pressure

83 Attempts something

86 Big ball of energy

89 Bawled

90 Observers

91 1987 film about a Vietnam War battle

94 Fruity wine drink

96 Alan who played Pierce

97 Muscles worked by doing squats

99 Give a message to

100 Kinda

103 Falsehood

105 1988 coming-of-age film co-starring Julia Roberts

110 1947 romantic comedy co-starring Claudette Colbert

113 1099 fig.

114 "Va-va- —!"

115 Dual radio designation

116 Siouan tribe member

117 Gymnastics floor covering

120 "I wonder ..."

123 Manhattan sch.

124 New Haven school

125 2008 Seth Rogen comedy

129 "Son of —!"

131 Fisher who played Leia

132 Schoolbook

133 Not fooled by

134 Descartes of philosophy

135 New York college near Hyde Park

47 Dr.'s field

49 — artery (aorta offshoot)

50 Kind of port for a PC

51 Poker great Ungar

52 Mocking irony

53 "Lucky" pilot

55 Eclectic fusion

56 "Grand" liqueur brand

57 Alias lead-in

58 Novel

61 Gloom-filled

66 Opposite of vertical: Abbr.

68 Animal skins

71 2004-09 Showtime drama, with "The"

72 "— Towers" (telly sitcom)

73 Like sandals

74 Reveal one's inner self

75 Mnemonic for rainbow colors

76 "Be quiet!"

77 Lamb's cry

81 — Lanka

82 That, to Alejandra

84 Reduction

85 Soviet prison camp

87 Impelled

88 Puck-pushers' org.

92 Addressee of a New Testament Epistle

93 Element

95 name ending

95 Ellipse part

98 Declaration upon delivery of an item

100 Occupy, as a hotel

101 Electric resistance

102 Acid — (cause of heartburn)

104 Part of the plan

106 "By the power vested — ..."

107 Ones planning city partitions

108 Common lawn grass

109 One making others laugh

111 Decide to play for pay

112 Mosque chief

118 On — with

119 Toll hwy.

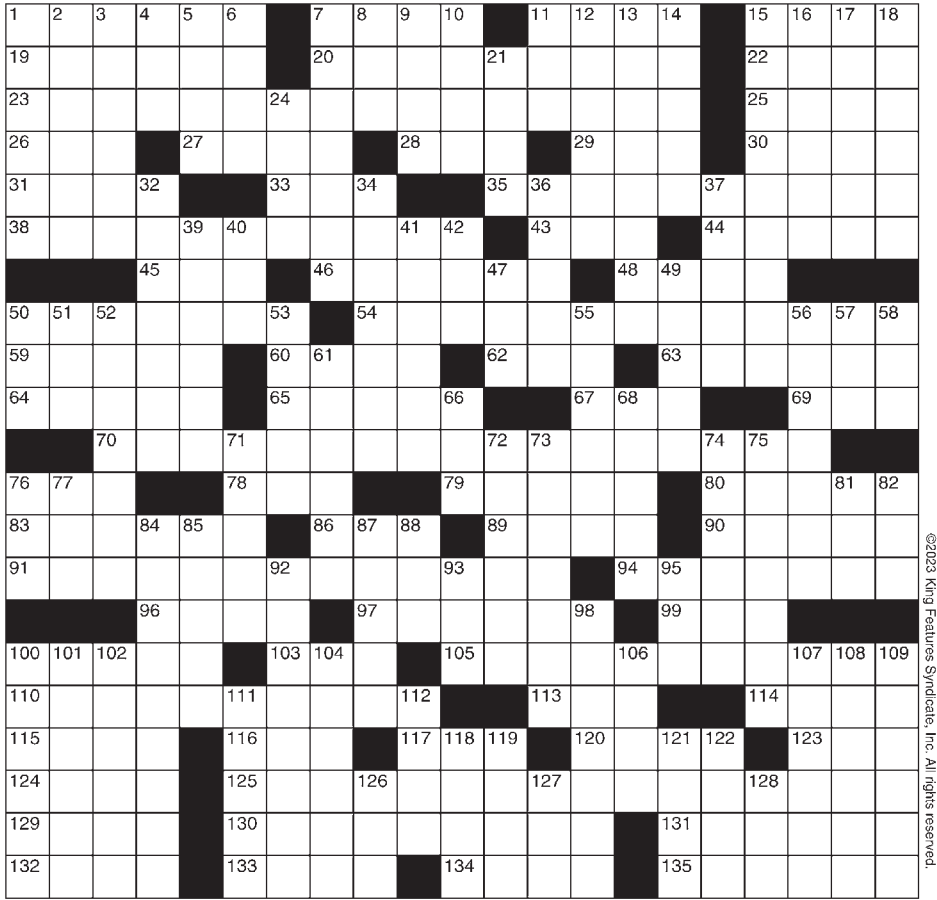
121 Roman 1,095

122 Org. rating films

126 Brian of rock

127 Actor Cariou

128 Train lines: Abbr.



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SCRAMBLERS

Unscramble the letters within each rectangle to form four ordinary words. Then rearrange the boxed letters to form the mystery word, which will complete the gag!

Bet

AGREW

Nearly

MALTSO

Rebuff

BUNS

Rescind

TRANCE

"I've been losing \_\_\_\_\_  
with my husband."

TODAY'S WORD

\_\_\_\_\_

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# Somerset Co. dairy producer shares benefits of new cropping tech and methane digester

In the Center for Dairy Excellence's latest episode of the "Cow-Side Conversations" podcast, Shawn Saylor of Hillcrest Saylor Dairy Farms in Somerset Co., PA, discusses his unique, regenerative approach to caring for their 680-cow herd and 1,500 acres. Saylor shared which pieces of technology he has implemented on the cropping side and his experience with cover cropping, planting green, drone technology and auto steering with precision planting, while also describing the methane digester he designed himself and how certain climate-smart strategies can equate to increased profitability on dairy farms.

Saylor is the fourth generation on the farm, and he has followed a no-till approach to cropping for several years. He has implemented precision ag technology to help with that and also has a methane digester. The farm is located in the mountains of Somerset Co., and Saylor said they have two weeks less of a growing season due to the elevation. In spring, he aims to start planting corn in early May, and during harvest, he tries to start chopping corn around mid-September.

Being in the mountains also leads to hard, nutrient-deficient clay soil. Saylor shared how they typically don't get more than six inches of topsoil. However, cover cropping has helped him navigate some of the soil fertility challenges.

"We've done cover cropping and no-till for over 10 years. For the first couple years, you can count on probably having some yield loss with that. But even with our poor soil here, we've seen some benefits at the end of the third year," Saylor said. "Over time, we've seen the

Somerset Co. A11



Hillcrest Saylor Dairy Farms in Somerset County

## Calendar of events

**NOTE:** Calendar items must be submitted by Tuesday prior to the publication date to be included in the Calendar of Events. Entries may be emailed to [cfeditor@leepub.com](mailto:cfeditor@leepub.com)

### April 4

**How to Value Your Business, Planning for the Future** series starts 6:30-7:30 p.m. webinar. Register at [tinyurl.com/2p98ammy](http://tinyurl.com/2p98ammy) by March 30.

**Virtual Soybean and Small Grains IPM Congress** 9:30 a.m. - 12 p.m. Register at [tinyurl.com/yckp8v9j](http://tinyurl.com/yckp8v9j)

### April 5

**6th Annual Ag Agency Awareness Day** 11 a.m. - 2:30 p.m. at Mexico VFW, 5930 Scenic Ave., Mexico. Registration required by March 31 at [tinyurl.com/y3zcb66s](http://tinyurl.com/y3zcb66s)

### April 6

**Conversations with the Professionals: Ag Engineering 2** - 3 p.m. via Zoom. Register at [tinyurl.com/3v4mvd9b](http://tinyurl.com/3v4mvd9b)

**Field Crops Virtual Breakfast: Soil Fertility Considerations Corn, Soy, Wheat** 7 - 8 a.m. virtual. Register at [tinyurl.com/yt3m-trj2](http://tinyurl.com/yt3m-trj2) or call Lapeer County MSU Extension office at 810.667.0341.

### April 11

**Horse Care 101 Series Virtual Workshop** 7 - 8:30 p.m. Topic: End of Life Discussion/Pet Trust Planning. Register at [tinyurl.com/npxchtyd](http://tinyurl.com/npxchtyd)

**2023 Central New York Dairy Day** 10 a.m. - 3 p.m. at The Otesaga Resort Hotel, 60 Lake St., Cooperstown. Rescheduled from March 14. If you registered for the March 14 event, you're all set for April 11. If not previously registered, register at [tinyurl.com/54ja5na4](http://tinyurl.com/54ja5na4) by Friday, March 31 at noon.

### April 13

**Accessing New Markets - for Institutional Buyers** 12 - 1 p.m. 189 Main St. # 5, Floor Mezzanine, Oneonta. Register at [tinyurl.com/3uck9h62](http://tinyurl.com/3uck9h62)

### April 11-13

**Dairy Calf and Heifer Association (DCHA) 2023 annual conference** at Mystic Lake Center - Prior Lake, MN. Register at [tinyurl.com/yksdrsnj](http://tinyurl.com/yksdrsnj)

### April 14

**Annie's Project Showcase** -

**Managing for a Margin Squeeze** 1 p.m. Featuring Colorado Annie's Register for free using this link: [tinyurl.com/2b6b7rxt](http://tinyurl.com/2b6b7rxt).

**Earth Festival** 10 a.m. to 4 p.m. at Milford Central School in Milford. For more information, visit [occainfo.org/earth-festival](http://occainfo.org/earth-festival) or contact 607.547.4488 or [coordinator@occainfo.org](mailto:coordinator@occainfo.org).

### April 14-15

**Hazardous Waste Collection Events for Orange County** 9 a.m. - 3 p.m. in New Hampton. For more information, call Recycling Coordinator, Ermin Siljkovic at 845.291.3246.

### April 17

**Dairy Workforce: Successful Delegation webinar** 12 - 1 p.m. Register [tinyurl.com/2b36bta9](http://tinyurl.com/2b36bta9)

**Agritourism Workshop - Customer Service for Agritourism** 12-1 p.m. via Zoom. Pre-registration required at [tinyurl.com/3nkddyav](http://tinyurl.com/3nkddyav).

### April 18

**Genetic Selection for Reproductive Success webinar** 7-8 p.m. Register at [tinyurl.com/5bfx6kb](http://tinyurl.com/5bfx6kb)

### April 19

**Game of Logging Level 1** in Warren County 7:30 a.m. - 5:30 p.m. To register for the class, call 518.668.4881 or email Dan Carusone at [djc69@cornell.edu](mailto:djc69@cornell.edu) for questions or registration.

### April 20

**Game of Logging Level 2** in Warren County 7:30 a.m. - 5:30 p.m. To register for the class, call 518.668.4881 or email Dan Carusone at [djc69@cornell.edu](mailto:djc69@cornell.edu) for questions or registration.

### April 21

**Game of Logging Storm Damage Response** in Warren County 7:30 a.m. - 5:30 p.m. To register for the class, call 518.668.4881 or email Dan Carusone at [djc69@cornell.edu](mailto:djc69@cornell.edu) for questions or registration.

**Mental Health First Aid Training** 8 a.m. - 5 p.m. CCE Madison County, 100 Eaton St., Morrisville. To

register, go to [nyfarmnet.org/trainings](http://nyfarmnet.org/trainings) or call 1.800.547.3276.

### April 24

**Beginning Farmer Discussion Series: Irrigation System Design and Management** 6 - 8:00 p.m. at CCE Building, 100 Eaton St., Morrisville. Register at [tinyurl.com/ynz5b3te](http://tinyurl.com/ynz5b3te)

### April 25

**Horse Care 101 Series Virtual Workshop** 7 - 8:30 p.m. Topic: End of Life Plan. Register at [tinyurl.com/npxchtyd](http://tinyurl.com/npxchtyd)

### April 26

**Part Two of Agricultural Training Series for Municipal Officials, CEOs, and Realtors** 5:30 p.m. at the Extension Education Center, 64 Ferndale-Loomis Road, Liberty. No fee, but preregistration is required to participate. To register, visit [sullivanccce.org/events](http://sullivanccce.org/events) and select the "Tools and Techniques to Help Your Zoning be Farm-friendly" event to register.

### April 29

**Ag Field Day** at Rutgers Email [esc@njaes.rutgers.edu](mailto:esc@njaes.rutgers.edu) for more information.

**Commercial Production of Log-grown Shiitake Class and Related Forestry Management** 9 a.m. - 2 p.m. Education Center & 4-H Park, 300 Finchville Turnpike, Otisville. Register at [tinyurl.com/y8zz4sex](http://tinyurl.com/y8zz4sex).

### May 2

**Conversations with the Professionals: Risk Management and Market Outlooks** 10 - 11 a.m. via Zoom. Learn more and register at [tinyurl.com/yeymcmm9](http://tinyurl.com/yeymcmm9)

### May 4-5

**Animal Agriculture Alliance 2023 Stakeholders Summit** in Arlington, VA. For general questions about the Summit email [summit@animalagalliance.org](mailto:summit@animalagalliance.org) or call 703.562.5160.

### May 5

**Annie's Project - The Hard But Necessary Conversation on Farm Succession** 1 p.m. webinar. Register at [tinyurl.com/yckhvc6w](http://tinyurl.com/yckhvc6w)

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## Alternative Energy

### Somerset Co. from A10

improvements. It's really helped with the hardness of the soil. With the cover crops, we're seeing a lot better results - you don't need as much moisture there to soften the soil."

For their cover crop mix, it's mostly cereal rye. In addition, they have started mixing in some triticale on a few closer fields to help with the weather window in the mountains. They can grow triticale well in their climate and can spread manure better on it.

"The cereal rye is a really key feed source for heifers and silage for the cows. We have a short window to get it in, but it needs to be in to make that quality feed. The triticale is expensive, but it gives us a little bigger window to get that in," Saylor said.

He also talks about his "green planting" approach to help with soil health. Instead of killing the cover crop off weeks before planting corn, he keeps the field green throughout the planting process and utilizes certain cropping technologies to help with the process. They plant 800 - 900 acres of corn silage and aim to cover crop all of that. They harvest about 200 acres of that

cover crop for feed, and the rest of the acreage is planted green when the corn crops are about 2.5 feet tall. Cropping technology, such as the auto-steer feature with precision planting, helps when they cannot see where they are planting.

"When you're planting green, it's really hard to see where you're planting. If it gets too tall, the markers don't work at all. I've used precision planting for six to seven years on the planting side to map fields, but I didn't have the auto-steer set up. Last year was the first time I've been able to use auto-steer," Saylor said. "It has really saved a lot of stress and made it easier to do. You can just go into the field, plant your first patch or outline and it will do the rest. That has been a real god-send with the no-till through planting green - and even on mowed ground if you can't see where you've planted before."

When it comes to his crops and manure management strategy, Saylor said they use as much of their manure as possible. They drag line every field they can reach and use about 30% - 40% of their manure that way,

which works well with his cover cropping and no-till approach. The manure also benefits the grasses in between cuttings.

"The drag lining has worked well with the cover cropping. The truck traffic is really hard on the fields. We're on the fields with heavy loads more with the manure than we are with harvesting, so it helps get the compaction problem out of the picture when we're spreading manure," Saylor said.

He also shared how he made the decision to design and build a methane digester for his operation.

"Before we built our new barns in 2002, I knew I wanted a digester. There weren't many back then ... There were only a few in Pennsylvania," Saylor explained. "So when we built the barns, I traveled around and looked at a few. I built some of [their features] into the barns - gravity manure systems and how we handled wastewater."

After receiving an Energy Harvest/Department of Environmental Protection grant in 2005 that made it possible to actually build a methane digester, Saylor created the design himself and received approval from the USDA and DEP. Over time, the methane digester has been a worthwhile investment for his operation. Along with electricity generation and heat production, Saylor said the digester has a lot of other benefits, including ammonia changes, odor reduction, separation and bedding for cows, food waste elimination, labor efficiency and renewable energy credits.

While the methane digester and some of the cropping strategies Saylor has implemented were originally intended to boost profitability, he recently participated in a regenerative ag planning process with TeamAg. It helped him discover that his dairy operation is almost carbon neutral.

"Everything I've done over the years, I've done because I thought it was more profitable to do. I never thought much of it. TeamAg came to me and said they could evaluate things, put some numbers to it and see where we were at. I thought it was interesting and it would be nice to know [that information]," Saylor explained. "I run the digester, make electricity, follow a no-till approach, but nobody could ever quantify what that was. It was well worth it to look at it, so I could at least know where we stand and what we can possibly do in the future."

With the conversation across the dairy industry continuing to shift toward carbon neutrality and regeneration, Saylor shared how some of these strategies are actually helping his dairy operation with profitability and sustainability.

"I think we need to look at those [climate-smart strategies] and try to work towards them. It does make sense to do some of this stuff. It saves you money and makes you more valuable. I think people need to look at them a little more, because they can probably save money by doing some simple things that can work," he added.

To listen to the full podcast interview, visit [centerfordairyexcellence.org/podcast](http://centerfordairyexcellence.org/podcast). The podcast is also available on Spotify, Apple Podcasts and Amazon Music. A new episode is released each month. The podcast was designed to share real-time farmer insight, tricks of the trade and inspiring stories from dairies across PA.

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# Salute to Agriculture







## Horse Tales

Judy Vanput

### Don't let your horse be a quidder (or, equine tooth tips)

Most horse owners realize the importance of regular farrier visits to keep their horse's feet trimmed and properly shod, as well annual or semi-annual visits from their veterinarian for overall health checks and to ensure their horse is up to date on immunizations. But another consideration is often overlooked – an annual checkup of your horse's teeth, as proper care of the teeth is just as important for your horse's overall health and condition.

As with humans, some horses have well-aligned teeth and rarely need extra dental work done. Others have uneven or poor

"bites," poor cranial conformation or bad chewing habits resulting in the necessity for more dentistry.

Our mare Morgan has always had pretty well-aligned teeth and only needed an annual check-up, but due to unforeseen circumstances with scheduling, it had been a while since she had her teeth checked. One day I noticed some cigar-shaped wads of chewed-up hay below her hay bag and realized she was quidding!

Quidding is when a horse is unable to chew its hay or food properly due to pain in its mouth or loose or missing teeth. The horse stores a wad of food or ball of hay in the side of its mouth, then spits it out. A sign I noticed in our aged mare Sabrina through the years that indicated she was storing food in her cheek was a sweet-smelling, slightly fermented odor coming from her mouth. If you notice this, or find any wet, saliva-covered quids of hay around your horse's feeding area, it's time to call the dentist.

Although vets are capable of examining and working on your horse's teeth during a regular check-up, if your horse needs extra dental work an equine dentist will give a more complete examination and dental services.

A horse's teeth will continue to grow over its lifetime and will continually be worn away by chewing. Equine teeth are wider at the chewing surface than at the root. As a horse ages, its teeth continue to grow and push farther out from the root or base of the jaw. By the time a horse is about five years old, all its teeth have erupted and are "in wear" – meaning that the entire tooth surface, outer and inner enamel, is "level."

Three molars and three premolars in the rear of the horse's mouth form a six-tooth "table" which fits against the "table" of the set above or below. The lower molars are narrower than the uppers and sit about a half-tooth-width

Horse Tales A13



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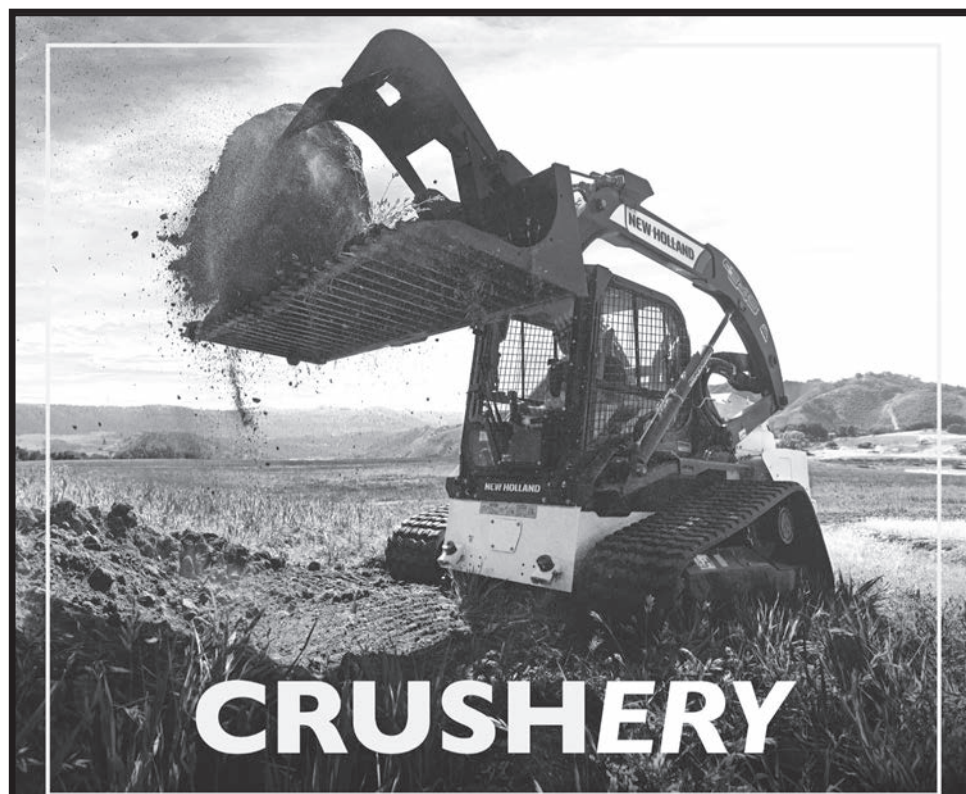
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Horse Tales from A12

inside the edges of the uppers.

When a horse chews, food is ground between these teeth as the lower jaw moves down, out to the side, up and in again. This elliptical motion occurs several times in one direction, then is repeated several times in the other direction – like a symmetrical figure 8 pattern.

Depending on the horse’s diet, the teeth will wear at different rates. A horse grazing in a pasture will have a faster rate of wear, as grass and grit grind down teeth faster than hay pulled from a net or manger. Pelleted feed will wear down the teeth even less, which is why many horses of advanced age are given a diet of pelleted feed, to preserve the teeth they have left (or to provide nutrition when those teeth are gone).

If a horse wears its teeth down irregularly, the teeth along its cheek may become so unevenly worn that they will form a sharp ridge that can actually cut into the sides of its cheek or tongue. To avoid that painful area in chewing, the horse will drop those tell-tale wet hay wads, and may even bolt down its feed, resulting in indigestion or even colic.

It is this wear of the teeth that is so important for horse owners to be aware of. Unlike any other large animal, the horse’s teeth are designed more like those of a rodent – such as a beaver or rabbit – that continue to grow and wear away over the course of their lives. Horses may wear their teeth unevenly, especially those that have a habit of “cribbing” or chewing wood, or those that have an under-

or overbite. The type of pasture your horse grazes on, such as grass grown on sandy soil, or forage with large amounts of silicates, will also influence wear, and a horse with dental irregularities that go untended will have major problems as time goes on.

In most cases, horses that have regular check-ups of their teeth won’t have these problems. Your vet or equine dentist will examine the teeth, checking for uneven wear. If necessary, they will “float” the teeth, making them level so that they can better grind their food.

Commonly used is the instrument called a “float,” which is a file or rasp with a long handle that makes it easier to reach far back into the horse’s mouth and access all the teeth.

Horse Tales A15



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## Mielke Market Weekly

Lee Mielke

**Issued March 24, 2023**

Dairy farm milk tanks are not being refilled very quickly. The Ag Department's latest preliminary data show February output at 17.68 billion lbs., down 1.6 billion from January, but 135 million or 0.8% more than February 2022, and less than the 1.3% increase seen in January.

The 24-state total, at 16.9 billion lbs., was up 1% from a year ago. Both January totals were revised up 5 million lbs. February was the eighth month in a row that milk production topped that of a year ago.

Farms are adding cows. Cow numbers totaled 9.42 million, up 12,000 head from the January count which had no revision, and was up 37,000 head from a year ago, largest dairy herd since August 2021. The 24-state count was up 12,000 from January and 54,000 above a year ago, the largest since July 2021.

Output per cow averaged 1,877 lbs., up 7 lbs. or 0.4% from 2022.

New York was up 2.9%, thanks to 10,000 more cows and a 25 lb. gain/cow. Pennsylvania was off 0.1% on a loss of 2,000 cows, though output/cow was up 5 lbs. Vermont was down 1% on 1,000 fewer cows, though output/cow was up 5 lbs.

A Nor'easter dropped three feet of snow on parts of New England last week which caused delayed milk pick-ups, according to DMN. However, milk production was steady in other parts of the Eastern seaboard.

The Federal Reserve raised interest rates for the ninth time in a row this week by a quarter percent to just under 5% in its ongoing effort to control inflation. The action

comes in the face of the collapse of two regional banks.

Lots of eyes are on dairy culling as finances tighten on the farm. USDA's latest Livestock Slaughter Report shows an estimated 266,500 head were sent to slaughter under federal inspection in February, down 31,400 head from January, and mirrored numbers in February 2022. Culling in the two-month period totaled 564,400, up 37,000 or 7% from the same period a year ago.

The week ending March 11 saw 67,300 head go to slaughter, up 421 head from the previous week and 2,300 more than a year ago. Year-to-date, 673,400 cows have been culled, up 24,000 head or 3.7% from the same period in 2022.

We have plenty of butter. USDA's latest Cold Storage Report shows the Feb. 28 inventory at 295 million lbs., up 30.7 million or 11.6% from the January figure which was revised 1.6 million lbs. higher, and was 32 million or 12.2% more than February 2022. It was the third month in a row butter stocks topped those of a year ago but the report is viewed as neutral to the market.

American cheese stocks fell to 816.9 million lbs., down 6.5 million or 0.8% from the January inventory which was revised up 4.6 million lbs. Stocks were down 14.2 million lbs. or 1.7% from a year ago.

The "other" cheese category crept up to 605.5 million lbs., up 5.7 million or 0.9% from January, and 5.1 million or 0.8% above a year ago.

The total cheese inventory came in at 1.446 billion lbs., down 234,000 or 0.02% from January, and 20.7 million or 1.4% below a year ago.

Woes continue in international dairy trade. The March 21 Global Dairy Trade's weighted average dropped 2.6% following the 0.7% slip on March 7 and 1.5% on Feb. 21. Traders brought 59.1 million lbs. of product to market, up from 59 million March 7, and the average metric ton price slipped to \$3,361, down from \$3,403 on March 7.

Cheddar led the declines, down 10.2% after dropping 10.2% on March 7. Anhydrous milkfat was down 3.8% following a 1.8% decline, and butter was down 3% after

a 0.3% slip. Skim milk powder was down 3.5% following a 1.1% descent, and whole milk powder was down 1.5% after inching up 0.2%.

StoneX Dairy Group said the GDT 80% butterfat butter price equates to \$2.1012/lb., down 6.7 cents, and compares to CME butter which closed Friday at \$2. GDT cheddar, at \$1.8381, was down 20.7 cents after losing 26.2 cents in the previous event, and compares to Friday's CME block cheddar at a very pricy \$2.10. GDT skim milk powder averaged \$1.2012/lb., down from \$1.2424, and whole milk powder averaged \$1.4641/lb., down from \$1.4865. CME Grade A nonfat dry milk closed Friday at \$1/lb.

February imports of skim milk powder totaled 108.2 million lbs., down 31.1% from February 2022; however, skim milk powder imports totaled 89.2 million lbs., up 42.9%.

Market share of SMP is steadily changing, said HGD, with New Zealand's share falling in January to 53% from 64% the year prior. U.S. SMP market share increased the most, shifting from 5.5% in January 2022 to 11.5% this year.

Whey imports totaled 113.7 million lbs., up 52.6% from a year ago, and have grown in annual comparisons, said HGD, but are still lagging the market highs in 2021. The U.S. is China's top whey supplier, taking a 42% market share.

Butter totaled 13.8 million lbs., down 15.1%, while anhydrous milkfat, at 4.6 million, was down 41%.

Cheese imports amounted to 27.6 million lbs., up 0.1%, while infant formula, at 53.6 million lbs., was up 37.4% from a year ago.

Lucas Fuess, Rabo Bank senior dairy analyst, shared some insights from Robo's Global Dairy Quarterly report in the March 27 "Dairy Radio Now" broadcast. He warned of an abundant spring flush in the U.S. with steep discounts on milk, but said he doesn't see a lot more near

Mielke A15

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## Mielke from A14

term weakness “as demand holds up.”

Europe is seeing more milk, he said, and the weak March 21 GDT came even as Chinese demand was “fairly decent.” Other buyers did not step up enough to lift those global product prices.

He expects some price recovery in the second half of 2023 for the U.S. though he admits it will be a challenge to keep pace with 2022 export records in 2023.

Back home, fluid milk sales looked a little better in January, in that they didn’t fall as much as has been the case. USDA’s latest data show packaged fluid product

sales totaled 3.8 billion lbs., down just 0.6% from January 2022.

Conventional product sales totaled 3.5 billion lbs., down 1% from a year ago. Organic products, at 258 million lbs., were up 4.8% and represented 6.8% of total sales for the month.

Whole milk sales totaled 1.3 billion lbs., up 1.2% from a year ago, and represented 34.2% of total milk sales for the month. Skim milk sales, at 193 million lbs., were down 6.2% from a year ago. The figures represent consumption in Federal Milk

Mielke A16

## Horse Tales from A13

The dentist or veterinarian will also use an oral speculum, a metal device attached to a headstall, which keeps the horse’s mouth held open to better be able to examine the teeth, cheeks and tongue. The examination will reveal what needs to be done, whether filing off sharp edges of the teeth or even cutting off overly long teeth.

Depending on the horse, its temperament and the degree of work that needs to be done, the floating process is often done using just a halter and lead or cross ties to keep the horse

from moving away, as we did last week. Most of our horses seem to not be bothered at all by the floating or rasping process.

It’s important to observe your horse’s eating habits and watch for signs that may indicate a problem with chewing. If you notice whole grains passing through in the manure, or notice a fermented odor coming from your horse’s mouth or the presence of those cigar-shaped wads of partially chewed grass or hay in the stall, it’s a good idea to contact your vet or an equine dentist. These are signs that there is a

sore cheek or tongue or a tooth problem that needs to be examined.

In addition to eating disorders, a horse that is reluctant to take a bit or shakes its head or refuses to back when being ridden should be suspect.

Plan to have your horse’s teeth checked at least once a year. A good awareness of its eating habits and keen powers of observation, coupled with regular exams by your veterinarian, will provide an excellent regimen for keeping the horse healthy and in the best of shape.



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# Congress calls for repeal of 2023 WOTUS Rule

American Farm Bureau Federation President Zippy Duvall commented March 29 on the Senate passage of a Congressional Review Act resolution of disapproval of the 2023 Waters of the U.S. Rule.

"AFBF applauds Senators for coming together to repeal the 2023 WOTUS rule. Today's bipartisan vote

under the Congressional Review Act follows a similar effort in the House earlier this month. A majority of Congress has now told EPA and the Army Corps of Engineers that this overreaching rule will lead to more uncertainty for America's farmers and ranchers.

"Farmers and ranchers are committed to protecting

the land and water they rely on to grow food for America's families. Unfortunately, the 2023 WOTUS threatens the progress made to responsibly manage natural resources. We urge President Biden to recognize the concerns from members of both parties and rescind this troubled rule."

## Mielke from A15

Marketing Order areas, which account for approximately 92% of total fluid milk sales in the U.S.

The March 16 Daily Dairy Report said, "Sales of lactose-free and low-lactose milks are growing even more rapidly than plant-based alternatives. These milks include longstanding brands like Lactaid, as well as the newer ultra-filtered, nutrient-dense, high-protein milks such as Fairlife and to a lesser degree the much newer A2 milks. While technically not low-lactose, A2 milk, which contains only the A2 protein, have been shown to prevent some symptoms for those who suffer from lactose malabsorption," the DDR stated.

The Ag Department announced the April Class I base price at \$18.85/cwt., down 14 cents from March, \$5.53 below a year ago and the lowest Class I since November 2021. It equates to \$1.62/gallon, down from \$2.10 a year ago. The four-month Class I average stands at \$20.26, down from \$22.15 a year ago and compares to \$15.35 in 2021.

Dairy prices were mixed this week. The

cheddar blocks, after pole vaulting almost 22 cents the previous week, made it to \$2/lb. Wednesday and closed Friday at \$2.10, highest since Jan. 11, up 10.25 cents on the week but 17.5 cents below a year ago.

The barrels went the other direction, after gaining 42 cents the previous three weeks, falling to \$1.94 Wednesday. They rallied to close Friday at \$1.9625, up 0.25 cents on the week, 28.75 cents below a year ago, and raised the spread to 13.75 cents. Sales totaled 14 cars of block on the week and 19 of barrel.

Cash butter saw its Friday finish at \$2.345/lb., down 5.5 cents on the week and 45 cents below a year ago, with 11 loads sold on the week.

Butter demand ranges from on par to busy, with some plants saying spring holiday demand has backed off. Certain retailers are still ordering somewhat actively. Butter churning is very active.

CME nonfat dry milk fell to the lowest level it has seen since March 22, 2021, closing at \$1.15/lb., 3.75 cents lower on the week and 70.25 cents below a year ago, with three sales put on the board.

The whey closed Friday at 44.5 cents/lb., down 2.25 cents on the week and 27.5

cents below a year ago, with five sales on the week at the CME.

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# A good mix

by Sally Colby

Manure is a valuable resource for improving soil health and crop nutrition, but nutrient loss is an ongoing issue with manure application. Cover crops can help keep nutrients where they belong and also aid in taking up nutrients farmers are trying to keep in place.

Brian Dougherty, field agricultural engineer, Iowa State Extension, discussed new research focused on how cover crops can enhance manure application.

"We think about trying to keep nitrogen in the system," said Dougherty, explaining how manure and cover crops work together. "There are several different pathways by which nitrogen is lost. Runoff is a small component but can occur if organic nitrogen attaches to soil particles. Leaching is the main concern, and it's what we're targeting with cover crops."

Losing nitrogen through volatilization is another issue. Soil nitrate production from native soil organic matter occurs in early spring, but the crop requires nitrogen later in the growing season.

"We have periods where there is a higher risk of losing nitrogen from the system," said Dougherty. "What we're trying to do with cover crops is plug some of those leaks and fill in gaps when we otherwise wouldn't have anything growing to take up nitrogen from the soil system."

Cover crops can provide additional opportunities to get manure out to fields. "If you can establish a cover crop in fall, it might help with trafficability," said Dougherty. "You could wait until spring and apply manure on fall cover crop fields - get out in the field when you otherwise wouldn't be able to."

Another strategy to get manure out earlier in the season is by adding a small grain to the crop rotation and following with a cover crop.

Manure can help with nitrogen availability. "There's a lot of research to back up the fact that cover crops and manure both benefit soil," said Dougherty. "They can increase organic matter, nutrient cycling, infiltration, water holding capacity and aggregate stability." Cover crops also provide erosion control, weed control, opportunities for grazing and double cropping.

Grass and brassica cover crops have proven to be highly effective in reducing nitrate leaching. "If you can get [a cover crop] established, even if you only have a few inches of growth in spring, it still helps reduce that nitrate leaching," said Dougherty. "Those roots may be a foot deep or deeper even with a couple inches of top growth."

Dougherty referenced a study in which manure was injected after cover crop seeding. There was no tile drainage data for the farm, so researchers measured nitrate levels in the soil profile in spring. "In the cover crop system, there was about 78 pounds less nitrate in the soil profile in spring compared to the no cover treatment," he said. "There was no difference in silage or grain yields."

In another research project, a rye cover crop was seeded with a drill in autumn after harvest and manure application. Rye was seeded at 80 lbs./acre, and the cover crop was terminated in spring with glyphosate about two weeks prior to corn or soybean planting. The crop reduced cumulative nitrogen loss over three years by about 35%.

In a cover crop/injection study, when manure was injected on a rye cover crop, streaking was noticeable. "There was much more cover crop growth directly over manure injection bands," said Dougherty. "Those areas were sampled separately."

The cover crop was taking up nutrients, but it was difficult to determine when and how nutrients were released. Dougherty said it's almost impossible to know precisely because multiple factors influence nutrient take up.

"Temperature and moisture are the big wild cards," said Dougherty. "It's different every year. Soil fertility and species mix are important, and tillage or no-till makes a difference."

The biological activity of the soil is another aspect and is influenced by how long cover crops have been used. "Carbon-to-nitrogen ratio [C:N] is a big factor. The longer cover crops grow, the higher the C:N will be and slower the breakdown."

If a farmer intends to plant green with corn, nitrogen should be applied at planting. "There was a lot of talk for several years about what was going on with

yield drag with corn and cover crops," he said. "There was speculation that maybe there's disease pressure or the cover crop was inhibiting the corn seed. The more people are playing around with this, the more they're finding it's mostly a nitrogen issue. You need some nitrogen with the plant early in the season when the cover crop might be tying up nitrogen."

An early-terminated cover crop breaks down much faster than a later terminated one that has more biomass. Lush, green cover crops have a lower C:N ratio and break down faster. However, a thicker, heavier cover crop may insulate the soil and speed up microbial activity.

When tillage is added to the system, the cover crop is chopped up and incorporated and it will break down faster. With no-till, the total nitrogen doesn't change but release is slower.

TJ Kartes of Saddle Butte Ag explained cover crop seeding can be accomplished by aerial application, high clearance machines, a no-till drill, vertical tillage with a seeder or broadcast followed by vertical tillage, early interseeding corn or frost-seeded prior to spring manure application.

"For interseeding and frost seeding we've used annual ryegrass because annual rye is a cousin to corn and gets along with corn," said Kartes. "Cereal rye tries to reproduce. After corn silage or

an early harvested crop, cocktail mixes work well. They all take up nitrogen and phosphorus and prevent it from going downstream, which is the goal of keeping nutrients in place."

Winter grains are a good starting point for using cover crops, and Kartes said every farmer should be able to use winter rye and winter triticale in a cover crop system. "They work with most herbicide programs," he said. "They overwinter and scavenge nitrogen in spring and fall, they're easy to terminate and have great weed suppression."

Brassicas reduce soil compaction and help scavenge nitrogen and phosphorus but are more susceptible to herbicides. Legumes are a source of rhizobia and potentially provide extra feed and increase soil microbial activity, but herbicides can be an issue.

Kartes urged farmers to continually experiment with cover crop combinations. "If we do the same thing over and over, something is going to happen that isn't going to work," he said, adding that he uses mixes for autumn planting.

"I like to put a spring grain with oats," he said. "I've seen a great benefit of 20 pounds of oats with 50 pounds of cereal rye and 50 pounds of triticale. In spring, we've seen a little bit better growth from winter grains. I think there's a synergy effect."

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# 'Manureshed' management in Susquehanna River basin key to Chesapeake Bay cleanup

A novel study by a Penn State-led research team suggests that "manureshed" management in the Susquehanna River basin could make a big difference in the water quality of the Chesapeake Bay.

The Susquehanna delivers half the fresh water in the Chesapeake Bay and about 40% of the nitrogen pollution, 20% of the phosphorus pollution and a heavy load of sediment pollution. The majority (more than 60%) of the river's pollution, accord-

ing to the Chesapeake Bay Foundation, is attributable to excess manure, ag runoff and urban and suburban stormwater.

"We believe that the manure runoff problem can be greatly diminished by managing the Susquehanna River as a manureshed," said Cijin Raj, assistant professor of agricultural and biological engineering at Penn State. "Manureshed management guides the sustainable use of manure resources by matching areas

of crop demand - nutrient sinks - with areas generating livestock manure - nutrient sources."

At the heart of the Chesapeake Bay's long-standing pollution problem is a severe nutrient imbalance that stems from corn and other feed transported primarily from the Midwest into the lower part of the watershed and fed to livestock. The manure those animals produce is mostly applied to a limited amount of land in the lower Susquehanna River basin.

Much of the N and P in that manure washes off the land and into streams and flows into the Susquehanna. It ends up in the Chesapeake, fueling the growth of harmful algae blooms that block sunlight from reaching underwater grasses. When the algae decompose, the process creates low-oxygen "dead zones" that rob the water of oxygen and suffocate marine life.

The lower Susquehanna's nutrient problems have only gotten worse in recent times, according to the Chesapeake Bay Foundation. Over the last 30 years, in livestock-intensive counties of south-central PA, annual hog manure production has nearly doubled from 635,029 tons to more than 1.2 million tons. During the same period, broiler chicken litter has increased



*The Susquehanna delivers half the fresh water in the Chesapeake Bay and about 40% of the nitrogen pollution, 20% of the phosphorus pollution and a heavy load of sediment pollution.*

*Image courtesy of Penn State/Creative Commons*

75% to over 102,000 tons each year and manure from dairy and beef cows has risen 16% to 3.5 million tons annually.

Livestock-intensive regions with limited cropland availability, such as Lancaster and Lebanon counties in PA, experience

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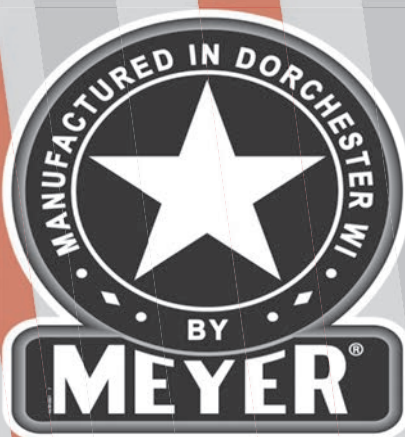
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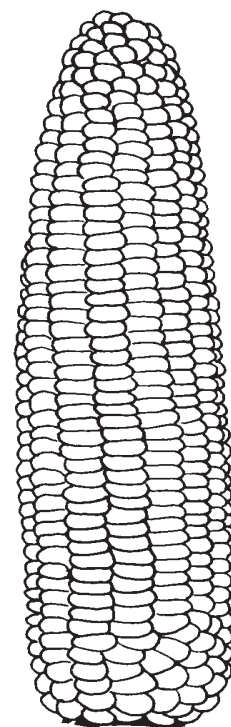
7000 Mueller	900 Mueller
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## Hay - Straw For Sale

## Hay - Straw For Sale

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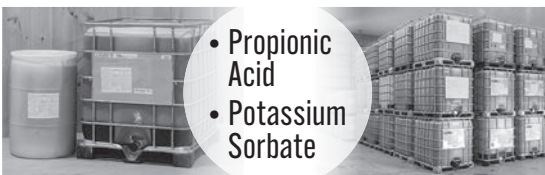


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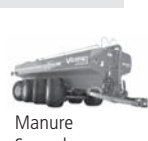
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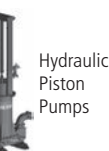
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Trucks

Trucks

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2016 Mack CHU613 Day Cab

MP8 415HP, 13 speed, ONLY 56,152 MILES! 14K front axle, 46K rears, 208" wheelbase, Wet line. Stock #6685 **\$56,900**

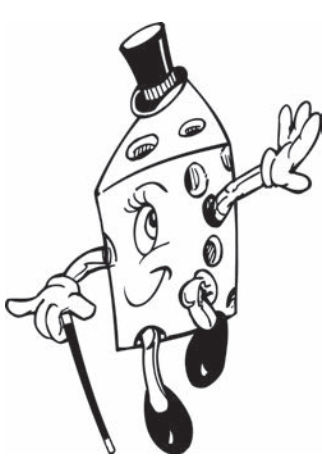
2017 Cat 316FL Excavator

117HP Cat diesel, 3,787 hours, Aux. hydraulics, quick coupler, 38" bucket, U/C 90%, 39,710 Lbs. **\$132,900**

New 2023 Western Star 4700SB TWIN STEER Cab & Chassis

Detroit DD13 450HP, 9 speed trans, ONLY 1,200 MILES!! 40K front axles, 46K locking rears, 21'6" of frame, factory warranty. Stock #6740 **Call For Price**

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**2018 Freightliner 122SD**  
Cummins X15 605hp, Jake, 18spd, 18/20/46k axles, Airliner susp, 4700 gallon Curry vac, 67k miles on new engine. **\$119,500**

**2016 Hudson HT18D**  
10 ton pintle, air brakes, 20' flat deck, 5' beavertail, 5' ramps, 102" wide, new rubber. **\$13,900**

**717-597-0310**

Rensselaer County

4-H Horse Communications event

Rensselaer County recently hosted 4-H youth for a 4-H Horse Communications event. Members were able to share and present on an equine topic of their choice to adult and teen evaluators. Many thanks to our evaluators: Grace Huffam, Emilee Roadcap, Kira Colarossi, Mikayla Malenfant, Kelli Grab, Brandon DeShane, Katie Navarra, Regina Cristo and Glenn and Eileen Van Oort. It was an extremely successful night which resulted in the following members receiving "Exceptional Presenter" designation: Ava Severance, Lily Coraldi, Kaylie Millar, Emilee Roadcap, Thomas and Carlo Colarossi. There were eight presenters who qualified to represent Rensselaer Co. at the Regional 4-H Horse Communications Contest: Ava Severance of Schaghticoke, Kaylie Millar of West Sand Lake, Emilee Roadcap of Troy, MacKenzie Martin of Valley Falls, Mya Bull of Troy and Niko, Thomas and Kira Colarossi of Melrose.



4-H presenter Ewn Patenaude.



4-H presenter Ariana Severance. Photos courtesy of CCE Rensselaer



Manureshed from A19

long-term excess applica-  
tion of manure nutrients,  
causing build-up of legacy  
P in the soil and higher



losses of agricultural N, Raj  
explained.  
“If that manure would be  
transported to land higher

in the watershed where  
crops need to be fertilized,  
the lower river and the bay  
would be healthier,” he



Much of the nitrogen and phosphorus in manure applied to fields like this washes off the land and goes into streams that flow into the Susquehanna River. The nutrients end up in the Chesapeake, fueling the growth of harmful algae blooms. Photo courtesy of U.S. Geological Survey

# SPRING DEALS



**TRACTORS**

Case IH Farmall 65A 4x4  
Case IH 100C MFD/Ldr  
Deere 2025R Cab  
IH 966 CAB  
Kubota BF2670

**HAY & FORAGE**

Claas 375 Uniwrap  
Claas 350 RC  
Kuhn FC3560 Discbine  
Kuhn GA4220 Rake  
Kuhn GFT601 Tedder  
Kuhn GF8501 Tedder  
Deere 457 R-Baler  
Case IH RBX451 R-Baler  
Case IH LBX332  
NH 1431 Discbine (C)  
Niemeyer 17' Tedder  
Vernomter 15 Ton Forage Wagon

**CONSTRUCTION**

Kubota B-26TLB  
Kubota KX71 Excavator

Kubota SSV75 Skid Steer  
Kubota SVL-95-2  
Case SV250

**PLANTING - SEEDING**

Case IH 5300 Drill  
IH 5100 Drill 21x7

**TILLAGE**

Deere 637 RF Disk 21'  
Lilliston 4 Row Cultivator  
Case IH 6650 Chisel 9X  
Case IH 183 Cultivator 6X  
IH 350 Disk  
IH 370 Disk, 12'  
IH 475, 15'  
IH 710 5X Auto  
IH 720 Auto, 4x18  
IH 720 6x16 Auto  
IH 760 Offset Disk 13'  
New Holland OD200 Offset  
Unverferth Zone Builder 4X  
Lilliston 6X Cultivator  
Unverferth Zone Builder 5X

**MATERIAL HANDLING**


Parker 500 Grain Cart  
Hutchinson 8x31 Auger  
Kuhn Knight VT144 Mixer  
Handi Ranger 550 Sprayer

**COMBINES**

IH 943 Corn, 4X  
IH 1420 Combine (C)  
IH 1420  
(2) Case IH 1063 Corn, 6X  
Case IH 1020 15' Flex

**MISCELLANEOUS**

Blizzard B-64 Snowblower  
Kubota B2750 Snowblower  
Kubota B2782 Snowblower  
Kubota BX2822 Snowblower  
Kubota BX2816 Snowblower  
Kubota ZD21  
Kubota ZD326  
ExMark Lazer 52  
Deere 835 UTV



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said. “Pennsylvania is very much behind on meeting water-quality demands for the Chesapeake Bay, and we think managing the Susquehanna River as a manureshed is the way to move forward. However, presently there is no system or logistics for transporting manure higher in the Susquehanna River basin.”

To gain a better understanding of the impacts of manureshed management on water quality in the Susquehanna, the researchers developed a watershed simulation model of the river’s basin over the past few years in Penn State’s College of Agricultural Sciences, using the computer modeling program called the soil and water assessment tool (SWAT). They used it to quantify the potential

water-quality benefits of manureshed-oriented management through scenario-based analyses in the basin.

Five manureshed-management scenarios were developed and compared with a baseline “business-as-usual” scenario. The baseline assumes manure is less transportable, which means some locations have manure application far in excess of crop demand. The “watershed nutrient balance” scenarios assume excess manure from surplus locations is transportable and that manure is applied around the Susquehanna River basin, based on crop-nutrient demand.

In their findings, the researchers reported that the “watershed nutrient balance avoiding runoff-prone areas” scenario - which assumes that manure is transportable but never applied in vulnerable landscapes in the basin (steep slopes mainly) - showed the largest potential water-quality gains.

The researchers found that P-based manureshed management - only applying the amount of manure crops need to supply their

P demands - resulted in bigger water quality improvements than N-based management. In the scenario that avoids steep slopes for manure application, P-based nutrient balance scenarios simulated reduction in total phosphorus loss in excess of 25%.

With so many streams in the Susquehanna River basin under significant pressure to reduce nutrient loads to achieve the Chesapeake Bay total maximum daily load goals, manureshed management offers a way to achieve real progress for the bay, Raj pointed out.

“Our modeling results indicate improved manure nutrient-use efficiency and significant water quality benefits with manureshed management,” he said. “The concept provides a new dimension to land management because it integrates crops and environmentally sustainable livestock development. It can be a successful strategy to reduce the agricultural nutrient contribution from the Susquehanna River basin to the Chesapeake Bay.”

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4WD, 2805 Hrs  
**\$19,975**

#### COMPACT TRACTORS

2020 Kubota 3910 ROPS, Ldr, 4WD, Hydro, 193 Hrs	\$25,975
Kubota BX1870 ROPS, Ldr, 4WD, Mid-Mount Mower, Snowblower, Hydro, 191 Hrs	\$19,975
NH Workmaster ROPS, Ldr, 4WD, Hydro, 250 Hrs	\$23,900
2021 NH Boomer 40 Cab, TLB, 4WD, Hydro 25 Hrs	\$48,900
2018 Kubota BX235 ROPS, TLB, 4WD, Hydro, 509 Hrs	\$19,500
Bobcat CT1021 ROPS, Ldr, 4WD, Hydro, 57 Hrs	Call

#### AG TRACTORS

Ford 8770 Cab, 4WD, New Reman Engine Installed by Clinton Tractor/5500 Hrs./Powershift	\$69,750
Ford 8770 Cab, 4WD, 16 Speed Powershift, 5500 Hrs, New Reman Engine	\$69,750
NH T4.100 Cab, Ldr, 4WD	\$62,975
2014 NH T5.115 Cab, 4WD, Front Fenders, 1926.6 Hrs	\$68,975
2021 NH Workmaster 95 Cab, Ldr, 4WD, 15 Hrs	\$58,975
2021 NH Workmaster 75 Cab, Ldr, 4WD, 12x12 Pwr Shuttle, 110 Hrs	\$52,975
NH T4.75 Cab, Ldr, 4WD, 1200 Hrs	\$46,975
NH T5040 Cab, Ldr, 4WD, 3600 Hrs	\$42,975
NH 6610S ROPS, Canopy, 2WD	\$18,975
NH 3930 ROPS, 2WD, 690 Hrs	\$16,975
NH T7175 Cab, 4WD, 1518 Hrs, Loader Brackets	\$129,975
NH T7175 Cab, Ldr Brackets, 4WD	\$119,975
2017 NH T6.175 Cab, 4WD	\$89,975
NH Powerstar 75 Cab, Ldr, 4WD, 254 Hrs	\$56,975
NH Powerstar 75 Cab, Ldr, 4WD	\$47,975
2021 NH Workmaster 75 ROPS, Ldr, 4WD, 12x12 Pwr Shuttle, 224 Hrs	\$56,975
NH T4.90 Cab, Ldr, 4WD, 12x12 Pwr Shuttle, 1537 Hrs	\$56,975
1997 NH 5635 Canopy, Ldr, 4WD, 2805 Hrs	\$19,975
2018 NH T5.110 Cab, 4WD, 12x12, 3826 Hrs	Call
2017 NH TS6.110 Canopy, 2WD, 8x8 Trans, 290 Hrs, Coming Soon	Call
2004 JD 6420 Cab, 4WD, Power Quad, 4395 Hrs, Coming Soon	Call
NH T5070 Cab, Ldr, 4WD, 2400 Hrs, Coming Soon	Call

#### SKID STEER LOADERS

NH C237 Cab, High Flow, 238 Hrs	\$62,975
2014 NH L230 Cab, High Flow, 3025 Hrs	\$36,975
NH C237 T4 Open Cab, Suspension Seat, Joystick Controls, 834 Hrs	\$50,475
JD 317 Cab, 72" Bucket, 4699 Hrs	\$19,975
2019 NH L228 Cab, Heat & AC, Mech Hand/Foot Controls, Std Flow, 235 Hours	\$47,975
2017 NH L220 Cab, Heat & AC, Mech Hand/Foot Controls, 2800 Hrs	\$36,975



**2018 NH C237**  
Track Loader, Cab, Joystick Control,  
High Flow, 1028 Hrs  
**\$54,975**

NH LS125 4840 Hrs, Coming Soon	Call
2018 NH C237 Track Loader, Cab, Joystick Control, High Flow, 1028 Hrs	\$54,975
2021 Kubota SSV65 Cab, Heat & AC, Std Flow	Call

#### PLOWS

New Brillion HSBWA91-1 Extended Soil Builder-11'3" Working Width	\$31,175
New Brillion CPPS21-7.7 Shank, 7" Width, 3 pTH	Call
New Brillion CD73-1.7 Shank, Disc Openers, 8'9" Width	\$23,075
2018 Kverneland CCLPP352 9 Shank, 3PTH, Rear Rollers, One Pass Piece	\$19,975
Brillion CDA731 7 Shank Chisel Plows	\$18,975
Brillion HSBAT1-1 7 Shank, Like New, Long Frame, Coming Soon	\$16,975
JD 1600 Fully Mounted, 4 Bottoms w/ Coulters	\$4,275
White 588 4 Bottom with Coulters	\$4,250
White 508 4 Bottom, 18" HD Straight Coulters	Call

#### DISC HARROWS

New Woods DHM96C 96" 3 PTH Disc	\$6,475
New Woods DH580 80" Width, Front Notched & Rear Smooth	\$4,175
New Woods DH564 64" Width, Front Notched & Rear Smooth	\$3,575
JD 2200 Soil Management System, 26'6" Working Width, 14'4" Transport Width	\$25,975
Case IH 496 24' Width, 16" Front, 18" Rear, No Cushion Gang	\$10,975

#### DRAGS, ROLLERS, CULTIVATORS

New Brillion W3003 25" Working Width, 5 Times, Notched Rollers w/ Scrapers	Call
2018 Unverferth 1645G 32' Rolling Harrow	\$24,975
APV AS 600M1 19.5' Weeder, Hyd Fold	\$7,975
Brillion Roller, No lift or wheels, Coming Soon	\$1,575
Brinly-Hardy Cultivator	\$350

#### SEEDERS, PLANTERS, DRILLS

New Landoll 5211 15" Width, 24x75" Spacing, SS Box	\$70,275
New Remlinger 2300-RW 1016 10" Width, 16x75" Spacing, PP & SS Hopper, Demo	\$36,975
Landoll 5210-15 Grain Drill, 12.5' Working Width	\$48,975
Brillion LSS6 6' Landscape Seeder, SS Mount or 3PTH	\$7,975
ABI 3PTH 6' Seeder	\$6,975
Like New Cole 3PTH 1 Row Planter, Extra C Plates	\$2,575

#### SPRAYERS

New IVA F750 750 Gal 60" Hyd Fold Boom, Ace Centrifugal Pump	
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**McHale 991BE**  
Tow Type, Electric Controls  
**\$19,975**

4-New IVA F500 500 Gal, 45' Hydraulic Fold Boom, Ace Centrifugal Pump, Elec Controls	\$33,875
New IVA F300 300 Gal 30' Manual Boom	\$20,575
2-New IVA F2003FT 200 Gal 3pt Hitch, 15 Gal Rinse Tank	\$8,175
2016 IVA F545 45' Boom, 500 Gal, 3 Section Ball Valves, PTO Pump, Coming Soon	\$6,975
2013 Jacto AJ-401 105 Gallon Orchard Sprayer	\$11,975
	\$5,975

#### MOWER CONDITIONERS

2016 NH SR260 Durabine 416 Head, 16' Working Width, FULLY SERVICED, Rubber Rolls, 810 Hours	\$124,975
2018 MF 1383 13' Width, Steel Rolls	\$29,975
NH 1412 9'2" Working Width, Fresh Trad	Call
2017 NH H7230 10'4" Width, Drawbar Swivel, Rubber Rolls	Call

#### TEDDERS

New Kuhn GF502THA 4 Star Tedder, 16'5" Tedding Width	Call
New Kuhn GF5202THA 4 Star Tedder, 17'1" Tedding Width	Call
New Kuhn GF7802T GH 6 Star Tedder, Hyd Fold, 25'7" Tedding Width	Call
New Kuhn GF17003T 16 Star Tedder, 56.5' Tedding Width	Call
Pronovost 6620 With Tedder Kit	\$29,975
New Kuhn GA3200GT Rotary Rake, 10'6" Working Width	\$7,750
2022 Kuhn GF5202THA 4 Star, 17'1" Width, Like New, Used Once	Call

#### RAKES & MERGERS

New Kuhn Merge Maxx 701 24' Pickup Width, Merge Left, Right, or 50/50 Split	Call
New Kuhn GA3200GT Rotary Rake, 10'6" Working Width	\$8,575
Kuhn 4120H 13'5" Working Width, 10 Rotor Arms, 4 Times Per Arm	\$7,795

#### BALERS & PROCESSORS

2022 NH RB450 4x5, Net Wrap, No Processor, No Twine, 980 Bales	\$47,975
2020 NH BC5070 Thrower, Hydroformatic, Hydraulic Tongue	\$34,975
NH RF450 Fixed Chamber, 4x5 only, Superfeed	\$29,975
NH BC5070 Sq Baler w/out Thrower	\$20,975
Case IH SB541 Square Baler w/ Thrower	\$24,975
Harvestec G2-MF 1840 Fits MF1840, No crop eyes but auto systme G2 w/Harvestec Screen	\$4,975
2010 NH BR7050 Coming Soon	\$12,975
JD 458 4x5 Round Baler, Coming Soon	Call
New McHale C460 Trailed Silage Feeder and Straw Blower	\$31,975
2019 McHale V660 4x5, Processor, Net Wrap, No Twine, Coming Soon	



**Farmco BW818S**  
9.5'x18.5', Steel Hay Wagon,  
JD 1065 Gear  
**\$7,975**

2009 McHale F550 4x5, Processor, Net Wrap, Low Bale Count, Coming Soon	Call
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#### BALE WRAPPERS

Left Over Kuhn RW1110 Tow Type or 3PTH, 4 Belt Wrapping Table	Call for Special Price
NEW Farm King RBW150FK 3pt Hitch Bale Wrapper	\$5,875
Tubeline TL1700SR Self Contained, Honda Power Pack, Automatic Remote	\$24,975
McHale 991BE Tow Type, Electric Controls	\$19,975
Sipma OZ 7500 Tekla 3Pt Hitch Bale Wrapper	\$3,975

#### HAY WAGONS

Farmco BW818S 9.5'x18.5', Steel Hay Wagon, JD 1065 Gear	\$4,250
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#### FORAGE HARVESTERS & HEADS

New NH FR650 HD Grass/Grass Knives/Crop Processor	Call
New NH 600B F1 8 Row Lg Drum Corn Head	Call
New NH 380FP 12'5" Pick-up Head	Call
New Dion 300 Stinger Forage Harvester w/ Scorpion Spout	\$109,975
New Dion F61-120 4 Row Rotary Head	Call
New Dion F63-120 Self Propelled Four Row Corn Head, Adapters for NH and JD	\$45,975
NH FR920 2x10 Cutterhead, HD Wear Liners, HD Processor, Yield, Moisture, & Rock Alert	\$495,000
NH 750BFI 10 Row Corn Head	
NH 380HDY 12.5' Hay Head	
Dion F41 Pull Type Forage Harvester, Coming Soon	\$24,975
Dion F42 7' Hay Head	
2014 NH FR850 2605 Engine Hours, 1977 Cutter Head Hours, Completely Serviced	\$205,000
NH 750B F1 10 row independent large drum head	
NH 380FP Head 12.5' working width pickup head	
2016 NH FR650 New Knives & Shearbar, New Accelerator, New Horning Rolls	\$197,450

#### MIXERS

New Kuhn VS143 Stationary, 50 Hp Motor, 2810 Indicator	\$42,975
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#### MANURE SPREADERS

Jamesway 4600 Gallon Tank Spreader, Tandem Axle	\$35,975
2021 Pik Rite 490 Box Spreader, End Gate, Single Axle, 250 Bu	\$23,475
2021 Kuhn SL114 1400 Gallon, Single Axle, 540 RPM	\$23,975
2016 NH 155 Box Spreader, End Gate, Single Axle	\$12,275

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# Auction Section and Market Reports

**Country Folks EAST**  
**Section B**



## Double K Livestock Sales Inc.

3180 Turnpike Rd., Sennett, NY 13021

### Feeder Sale

**\*\* April 4th @ 1 PM \*\***

For more information or trucking call  
Sale Barn 315-253-3579 / Kalan 315-374-3428

Weekly livestock auctions every Tuesday & Thursday

Website: [www.sennettlivestocksales.com](http://www.sennettlivestocksales.com)  
Feeder Sale every 1st Tuesday of the Month  
Dairy Sale every 3rd Tuesday of the Month

## HOSKING SALES LLC – CERTIFIED ORGANIC MARKETING AGENCY

Weekly Sales Every Monday – Misc. items, Poultry & produce etc. will start approx. 12:00. 1:00 we will start Dairy followed by all other livestock. **Let's keep the cattle in the market place to help the competition – sending direct gives you no competition.**

**Mon. March 27th** – Sold 224 head – Cull Dairy ave. \$.75 top cow \$1.09, Cull Beef \$1.05 - \$1.10, Organic cull Dairy \$.94 - \$1.04, Grassfed Organic cull dairy \$.64 - \$.94, Bulls/Steers \$1.01 - \$1.15, Feeder bulls \$1.00 - \$1.07, Feeder heifers \$1.43 - \$1.69, Feeder Steers \$1.51 - \$1.69, Feeder Dairy \$.82 - \$.99, bull calves top \$3.50 top beef calf \$4.20, heifer calves top \$.65 top beef calf \$3.70, Lambs 48#-80# \$2.10 - \$3.05, Cull Sheep \$.95 - \$1.20.

**RESULTS FROM Spring Premier All Breed Dairy Sale** – Milking age Ave. \$2570., Bred heifers Ave. \$2298., Open heifers Ave. \$1749. 131 head Ave. \$2272. Otsego Calf Sale ave. \$1556. Top selling 4-H Lot A- Fall calf x Carter Juke going back to 2E-93 Nora Family consigned by Ken Main – buyer Bucky Coon, Amenia, NY. Topping out high seller of the day was Lot 2 \$8700 – Altitude-Red bred heifer from 3X All-American Cashells UN Cutie-Red-ET EX92 MAX – Lynn Bell from NJ taking high bid. 2nd High \$5200 coming from Morrill Dairy an Unstopabull just scored EX90 @ 3Y milking over 100#, 3D: Ashlyn EX96 goes to Walter Young, Gorham, ME. 3rd High \$5100 consigned by Fantasy-Found a fancy Ayrshire Winter Yrlg x Colata's Champion, Dam EX90 goes to Brad Arthur, Sumner, IA. 4th \$4600 from Dan Hosking & Bevan Jones Big & Fancy Foster Winter Yrlg, Dam 2E-91 Jekyll Arizona, 2D: EX91 Mega Arizona goes home with Brian Sharer, Laceyville, PA. 5th High \$4600 Fancy Jersey fall Calf x Joel from Drew Hill, from 4 EX Dams back to All American EX94 Rosey. A great sale with cattle holding strong all day – market is strong and milk is in demand. We will be having an Spring Production Sale April 28th if you will like to consign give us a call before the sale fills up.

**Mon. April 3rd** – Normal Monday Sale & Monthly Fat Cow & Feeder Sale. 2nd Easter Goat, Lamb, & Pig Sale. Several groups of lambs consigned.

**Mon. April 10th** – Normal Monday sale & Monthly Heifer Sale.

**Mon. April 17th** – Normal Monday Sale & Monthly Sheep, Lamb, Goat & Pig Sale.

**Sat. April 22nd** – Our Annual Spring Machinery & Equipment Auction. Taking consignments for this sale. Starting this sale at 9AM. No used tires please – or household supplies. Give us a call to get into the advertising. Already Consigned: An exceptional full line of hay equipment including a NH Tractor TL50A, 5209 NI Discbine, NH Baler 570, 8 Wheel Hay Rake, 4 Hay Wagons, and more! Watch website for full list. Call early to get into advertising.

**Mon. April 24th** – Normal Monday Sale & Monthly Organic Day.

**Fri. April 28th** – 11:30AM – Spring Production Sale – Selling 120 Head of Registered & Good Quality Grade Dairy Cattle. Due to the overflow of our Spring All Breed Sale we are having this sale. The consignments are very impressive. Call today before it fills up if you have anything you would like to consign or if you did not make the spring sale.

**Sat. May 20th** – Batavia, NY. NYS Jersey Sale – held at the Genesee County Fairgrounds. More info to come.

**Sat. May 27th** – Sale held at our facility. 11:30AM. Dostie Farm Complete Certified Organic Herd Dispersal. MOFCA Certified. Selling 310 head of Freestall – parlor milked. Herd consists of Mostly Holsteins with some Jerseys and Jersey Crosses. 170 milking age ave. 65#/day that are AI sired includes Dry cows. 140 heifers all in great condition – Springers down to baby calves, bred heifers are bred to bull. SCC 119,000 ave for the year 4.3F 3.2P. This herd has Quality Milk Award for 4 years running. This will be one of the nicest Organic herds to sell in a long time!

**\*\*OUR CAFE IS ALWAYS OPEN EVERY SALE DAY – COME IN AND ENJOY A GREAT MEAL WITH MISTY!\*\***

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**\*\*Trucking Assistance** – Call the Sale Barn or check out our trucker list on our Web-Site. Call to advertise in any of these sales it makes a difference. Watch website for any last minute updates.

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Dan Hosking 607-972-8773 – Office 607-847-8800.

## UPCOMING AUCTIONS

**Saturday, April 15th at 9AM**  
Machinery Consignment Auction

**Sat., May 6 at 11AM**  
Feeder & Beef  
Replacement Cattle/Sheep/Goat/Pig  
**ARGYLE LIVESTOCK STATION**  
**518-638-8580**  
8 McEACHRON HILL ROAD, ARGYLE, NY, 12809

## 32nd ANNUAL AUCTION at Beaver Mountain Farms

**SATURDAY, April 15th, 2023 @ 8 AM**

HELD ON THE HOME FARM OF DON & BETTY DUKSA  
1030 County Rd. 27A Ancram, NY 12502

518-929-3480 Don • 518-929-5659 Chris  
GPS may use 1043 County Rd 27A Ancram NY. 12502

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E/mail [ed@leamanauctions.com](mailto:ed@leamanauctions.com) or text to 610-662-8149



**Tractors:** JD 4000 1972 Syncro, S# 269865; 1972 JD 3020 PS, Diesel W canopy, show ready! has ft weights, is on 18 x 34 tires; IH 560 gas, Same Deluxe 130 4 X 4 w/ cab, 3 pt etc; Farmall 460 w IH series loader; w hitch and remotes; AC 190 XT w 2200 hrs showing, is a good solid and clean tractor, runs great!

**Farm Equipment:** JD 10' transport disc; Valmar 1655 air seeder; 8" Layco grain elevator 30' 7.1/2 HP motor; Unverferth 22' tine weeder; JD 914 pickup header; JD Hydro push manure spreader w/ 2 beaters; Knight 650 Manure Spreaders Parts; Great Plains Turbo till weights;

**Construction:** Cat D-5-B 44X series, cab heat, PS trans, tilt on blade; Case 580 Super E 4 wd TLBackhoe with extend hoe;

**Trucks, Trailers etc:** 2005 Ford F-350 Super Duty, w/ 78850 miles, 4X4 4 Door Crew Cab XL 6.8 Triton V-10 gas, 5 speed, Steel flatbed, has a 2018 Boss 92" Power V XT Plow

**Lawn and Garden:** 3 pt. 8' Bushhog finishing mower; JD 430 Lawn Mower w/ 3 cyl. Diesel engine, wheel wts, sweeper, mower deck, snow blower;

**Misc:** Razor 200 side by side, like new; EZ Go golf cart, w/ canopy, runs and drives;

*We are expecting our usual run of totes as well as skid loader attachments; shrubs, lumber and 3 pt equipment; Lumber, multiple stacks of 2X6's; 2 X 8's and 2 X 10's and 3 pallets of metal roofing; Truck load of power tools and carpentry items, as well as pails and large boxes full of nails and screws. Drills, grinders and nail guns;*

Food by Scotty,

**TERMS AND CONDITIONS:** Cash, Credit Card, or good check with proper ID, out of state checks OK if known by the Auction Company or the Duksa's. NO JUNK, NO WORN OUT TIRES AND POSITIVELY NO HAZARDOUS MATERIALS OF ANY KIND! WE RESERVE THE RIGHT TO REJECT ANY ITEM.

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## UPCOMING AUCTIONS from Hamilton, Howard & Bush

**Saturday, April 15, 2023 - 9 AM**  
Westville, NY

**Starks Gravel & Farm Equipment**  
4 Tractors and Full Line of Shop Equipment

**Saturday, May 6, 2023 - 10 AM**

Ellenburg, NY  
**Don-Sher Farm**  
4 Tractors and Full Line of Haying Equipment

**Saturday, May 13, 2023 - 9 AM**

Hermont, NY  
**Jim and Joan Woodrow**  
440 J. D. Skidder, J. D. 2030 Tractor  
Other Equipment and Miscellaneous Items

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YESTERDAY, TODAY & TOMORROW



# MAJOR DOWNSIZING

~ Westwind Farm ~



One of the Larger Farm Operations in the Capital District.  
Very Late Model Tractors and Agricultural Equipment



**WEDNESDAY, APRIL 5<sup>TH</sup> @ 10:30 AM • SCHAGHTICOKE (Albany), NEW YORK**  
(Schaghticoke Fairgrounds)

**ADDRESS: 69 Stillwater Bridge Rd. (State Rt. 40), Schaghticoke, NY 12154**

**HIGHLIGHTS INCLUDE: 3 CASE/IH TRACTORS:** 2015 Case/IH Magnum MX340 AFS(4x4, duals both axles, exc. tires, 4 hyd remotes, quick hitch, 2688 hrs.), Case/IH -Steiger 400HD – Articulated(duals all around, exc. tires, 3pth, quick hitch, 4 hyd remotes, pto, 3220 hours, 1-owner), Case/IH Magnum MX285(4wd, duals all around, good tires, 10 front weights, 8950 hours, 3 hyd remotes, quick hitch, pto), **JOHN DEERE TRACTOR & JOHN DEERE LOADER ATTACHMENT:** JD 4010(diesel, needs eng work), JD 48 loader attach. w/own valve, 1 cyl to bucket, **CASE/IH COMBINE:** 2007 Case/IH AFX4010 Combine(4x4, axial flow, good tires, runs & drives, needs work), **GRAIN PLATFORM:** Like New 2020-2019 Case/IH 3162-35' Series II Terroflex(w/header cart, head has done less than 1000 acres), **2 FANCY FARM EQUIPMENT:** 2022 Case/IH 2150 16-row Corn Planter(down force, precision elec drives, air control trash wheels, planted 1400 acres), 2003 Kinze 3650 12/23 Row Planter(trailer mtd, hyd ext hitch), **GRAIN DRILL:** 2014 Landoll 5531(48 hoe, hyd tri fold drill, 3-16 hoe units, exc. cond.), **GRAIN CART:** Brent – Unverferth 1594 Grain Buggy(t/a, pto & hyd operated w/auger, front steerable axle), **DISC FINISH/RIPPER & JOHN DEERE FIELD DISC:** 2011 Kuhn–Krause Dominator 4650-21(21' hyd fold, rear crumblers & finish discs), JD 25ft. Transport, **PORTABLE GRAIN VACUUM:** Large Grain Vac unit(trailer mtd, Detroit diesel engine, 250gal. fuel tank), **BUSH HOG:** 14' Tow Type Rotary Mower, **LIQUID MANURE SPREADER:** Houle 3,150 Gallon(t/a), **2 TRUCK TRACTORS:** 2000 Mack CL713 Elite(day cab, 46k rears, wetline), 1987 Mack R688T(day cab), **FLATBED DUMP TRUCK:** 1994 Mack CH613(tri., 20' heavy steel body), **GRAIN TRAILER:** 2006 Timpco 15HB(43ft. gravity bottom unload), **2 BULK GRAIN SEMI DELIVERY TRAILERS:** 1997 Ledwell(aluminum), 1997 Clark, **SERVICE TRUCK:** 2004 Ford F550(Liftmore crane, 4x4), **2 PICKUP TRUCKS:** 2005 Ford F250(4x4, diesel, crew cab, 6' alum flatbed body), 1997 Ford Ranger(4x4).

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## RETIREMENT AUCTION

~ Harrington Towing Service ~

1-Owner Well-Maintained Tow, Rollback & Service Trucks, Construction Equipment, Trailers & Support  
**SATURDAY APRIL 8<sup>TH</sup> @ 9:30 AM • LOCKPORT (Buffalo), NEW YORK**



**ADDRESS: 3 Prospect Street, Lockport, New York 14094**

**HIGHLIGHTS INCLUDE: 6 WRECKER TOW TRUCKS:** 2000 Kenworth W900(t/a, Miller Century 7035), 1988 Mack DM686SX(t/a, Holmes 1701), 1988 Mack R688T(Holmes 750 split boom), (2)1999 International 4700(Century 614, Underlift 510), 2000 Ford F550XL SD(Holmes 4401B recovery boom), **2 TRUCK TRACTORS:** 2005 Freightliner Columbia(t/a), 1984 Peterbilt 359(t/a), **4 ROLL BACK TRUCKS:** 2015-2000 Ford F650XLT SD(Century 21.5), 2008 Mitsubishi Fuso FK200(Miller 21ft. alum.), 2006 International Durastar 4300(Jerr Dann 21RRSB), **SERVICE TRUCK:** 1999 GMC Savana(walk-in body), **3 VAN TRUCKS:** 1995 Ford F700, 2000 Chevrolet Express 3500 Cutaway, 1999 Chevrolet Stepvan, **2 PICKUP TRUCKS:** 2012 Ford F250, 2009 Chevrolet 1500 Silverado, **2 EQUIPMENT TRAILERS:** 2000 General Welding & Fab Fixed Neck, 30ft. Hydraulic Tilt Deck(t/a), **4 VAN TRAILERS:** Stoughton(t/a), Theurer FRP-50-A-01-5-2-PH(t/a), 1991 Wabash SA-102(t/a), Pines(roll up rear door), **2 TRACTOR LOADER BACKHOES:** New Holland LB75B(4x4), 1996 Ford 575D(4x4), **RUBBER TRACKED SKID STEER:** 2012 Bobcat T630(cab), **5 WELDERS:** Miller Synchronwave 180SD, Hobart Champ 140 DC-CC, Hobart Stickmate LX, Thermal-Arc DC-CC, Weldmark Handler 120 Wire Feed, **BOAT:** Topper Tracker 12, **SCRAP RECYCLING EQUIPMENT:** Self Tipping Hopper, **4 SNOW EQUIPMENT:** 11ft. Snow Pusher, Buyers Snow Dogg TE80 SS 8ft. Power Angle Plow, Western Pro Plus Ultrafinish 8ft. Power Angle Plow, Western Midweight Ultrafinish 7.5ft. Power Angle Plow, **3 PRESSURE WASHERS:** 2017 Alkota HZ535DKS, Ryobi, Ryobi 3100psi, **8 ATTACHMENTS:** (5)Backhoe, (3)Skid Steer, **219 SUPPORT EQUIPMENT.**

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*Very Late Model Rental Fleet Construction, Utility Equipment,  
Aerials, Forklifts, Trucks, Trailers, Attachments & Support*

**THURSDAY, APRIL 13<sup>TH</sup> – FRIDAY, APRIL 14<sup>TH</sup> –  
SATURDAY, APRIL 15<sup>TH</sup> @ 9:00 AM  
ATLANTIC CITY, NEW JERSEY (AC Race Track)**

**ADDRESS: 4501 Leipzig Ave., Mays Landing, NJ 08330**

**HIGHLIGHTS INCLUDE:** **3 ARTICULATED HAUL TRUCKS:** (2)Unused Hydrema 912, Volvo A35, **32 HYDRAULIC EXCAVATORS:** 2017 Kobelco SK300LC-10, 2015 Kobelco SK210LC, 2016 Kobelco SK140SR, 2014 Doosan DX300LC-3, 2016 Case CX160D, 2015 Case CX160C, Volvo EC330BLC, Volvo ECR235CL, Cat 240BLC, 013 Komatsu PC210LC-10, 2015 Komatsu PC88MR-10, 2020 Komatsu PC80MR-5EO, (2)2020 Komatsu PC80MR-5, (2)2019 Komatsu PC55MR-5, 2019 Hitachi ZX85USB-6, 2014 Hitachi ZX85USB-5, (2)Unused Kubota KX80-4, (3)2019 Kubota KX80-4A, Takeuchi TB1140, 2015 Takeuchi TB280FR, 2016 Wacker ET145, JD 35D, (3)JD 17DZTS, 2015 Bobcat E45, 2012 Bobcat E32, **2 RUBBER TIRED EXCAVATORS:** Hitachi ZX220W-3, Doosan Solar 200WV, **21 RUBBER TIRED LOADERS:** Cat 938F, 2022 Cat 908M, (4)2018 Cat 906M, (2)Unused Case 321F, Case 621B, Unused Hitachi ZX95-6C, Unused Hitachi ZX95-5C, Unused Yanmar V100, (6)Unused Yanmar V80, Volvo L90, 2016 Volvo L35, Terex SKL834, **INTEGRATED TOOL CARRIER:** JD TC54H, **2 ROUGH TERRAIN CRANES:** 2014 Grove RT765E-2, 2011 Broderson IC-80-3G, **3 CRAWLER TRACTORS:** (2)JD 700KLGP, Cat D4GLGP, **3 CRAWLER CARRIERS:** (2)Unused Bell TC11, 2017 Morooka MST3000, **CRAWLER LOADER:** Cat 963, **6 TRACTOR LOADER BACKHOES:** 2016 JD 710L, 2015 Case 580SN(4x4), (3)2016 Kubota B26(4x4), Ford FF2-15, **ASPHALT PAVER:** Gehl 1648, **8 VIBRATORY ROLLERS:** (2)Unused Dynapac CA3500, Unused Dynapac CA1500D, (2)Unused Hamm H16i, (2)Unused Hamm H12i, Cat CS563C, **21 ASPHALT ROLLERS:** Cat CB54, (5)Unused Bomag BW120AD-5, (4)Unused & 2014 Hamm HD12VV, Hamm HD8, (4)Unused Bobcat ATR26, (2)New Ammann ARX12-2, Mauldin 5-ton, IR Walkbehind, Wacker Walkbehind, **26 RUBBER TRACKED SKID STEERS:** (4)Like New Cat 299D3, (6)Like New Cat 289D3, (4)Like New Cat 259D3, 2022 Kubota SVL75-2, 2021 Bobcat T76, 2019 Bobcat T650, (2)Case TV380, 2016 Case TR310, (4)2016 Case TR270, 2016 JD 324E, ASV 4810, **8 SKID STEERS:** 2018-2014 Bobcat S650, 2008 Bobcat S330, Bobcat S300, 2018 Kubota SSV75, Unused & 2016 Kubota SSV65, Cat 252B, **10 MINI TRACK LOADERS:** (2)Unused Kubota SCL100, (6)New Cougar CG827, (2)New Cougar CG823, **4 TELESCOPIC FORKLIFTS:** JLG G1255(4x4), (2)Genie GTH-1056(4x4), IR VR-524(4x4), **4 ROUGH TERRAIN FORKLIFTS:** (4)Unused JCB 940, **2 FORKLIFTS:** Cat V225B, TCM FD60Z4, **41 BOOM LIFTS:** (2)JLG 1350SJP, JLG 1250AJP, (2)JLG 860SJ, JLG 800AJ, (3)JLG 660SJ, JLG 600S, (3)JLG 450AJ, JLG 400S, Genie ZX135/70, (2)2018 Genie Z80-60RT, (2)2018-2014 Genie Z80/34RT, 2013 Genie S60X, (10)Genie S60, Genie Z45/25JRT, Genie Z45/25, (6)Genie Z45, Genie S40, **2 ELECTRIC BOOM LIFTS:** 2013 Genie Z45/25IC, Haulotte 5535A, **39 SCISSOR LIFTS:** Skyjack SJ9250, Skyjack SJ7127, (4)2018 Skyjack SJIII3219, (10)Skyjack SJ3219, 2017 Mec 4555SE, Mec 4069RT, 2018 Mec 1930SE, 2014 JLG 4069LE, JLG 33RTS, JLG 26MRT, JLG 2646E, JLG 2030ES, JLG 1932E, 2015 Genie GS-3246E, (3)Genie GS-2668RT, (4)Genie GS-2632, (4)Genie GS-1930, 2016 Snorkel S4726E, 2017 Snorkel SLH3284HD, **3 AIR COMPRESSORS:** 2010 Doosan P185, Atlas Copco XAS185, Schramm, **13 GENERATORS:** 2018 Doosan G25, Multiquip 220KVA, Multiquip 150KVA, (2)Wacker 160KVA, Military, Cat 3406, Cat LC6, Cat C27, Martin Machinery OD-350-3, (2)Kato Light, **17 LIGHT PLANTS:** 2017 Generac MLT65SMD, 2015 Magnum MLT65SM, (5)Magnum 6Kw, (5)Allmand 6Kw, (5)Wanco 6Kw, **10 ARROW/MESSAGE BOARDS:** (6)2018 Work Area Protection SMC1000ST, (2)Silent Messenger, American Signal Solar Tech, Trafcon TC1-15S, **4 HEATING EQUIPMENT:** (3)Thazall 800K, Wacker HIF690, **2 WATER PUMPS:** Gorman Rupp 6in., **COMMERCIAL MOWER:** Bobcat 36in. Walkbehind, **LANDSCAPE EQUIPMENT:** Jacobson, **4 AGRICULTURAL TRACTORS:** (4)Unused NH T5040(4x4), **UTILITY TRACTOR:** Ford 2110, **3 TRACTOR LOADERS:** (2)Unused NH Workmaster-75, Kubota L3240(4x4), **WOOD CHIPPER:** Altec, **4 CONCRETE EQUIPMENT:** Whiteman HTXI Ride On Power Trowel, (2)Concrete Buggy, Concrete Mixer, **CONE CRUSHER:** Brown Lenox CT1000, **WATER TRUCK:** 1994 Chevy C7(1,800ga.), **DISTRIBUTOR TRUCK:** 1994 Ford C8000, **19 TRUCK TRACTORS:** Unused Peterbilt 567(tri.), 2017 Peterbilt 579(t/a), 2009 Peterbilt 367(tri.), 2021 IH Lonestar Heavy Haul(t/a), 2007 IH 9200i(t/a), 2001 IH(t/a), (5)2019 Mack Anthem 64T(44R), 2012 Mack(t/a), 2007 Mack Granite(tri.), 2007 Mack(tri.), (5)2018 Freightliner(t/a), **4 DUMP TRUCKS:** Unused Freightliner M2 Business Class(t/a), 2002 Mack Granite(tri.), Mack DM800(t/a), 2000 Ford F450, **CHIPPER TRUCK:** 2018 Freightliner(t/a), **4 BUCKET TRUCKS:** 2019 Freightliner M2 106, 2008 IH 4300, 2006 GMC, 2000 Ford F650, **FLATBED TRUCK:** 2001 Isuzu NPR, **4 ROLLOFF TRUCKS:** 2014 Cat CT660(tri.), 2003 Mack CV713(tri.), 2003 Mack RD688S(tri.), Mack RD688SX(t/a), **2 GARBAGE TRUCKS:** 2008 Mack GU713(tri.), 2007 Mack CV713(tri.), **PLOW AND SALT TRUCK:** 2004 IH 7600, **2 SERVICE TRUCKS:** 2005 Ford F550, 2004 Chevy C4500, **YARD HORSE:** 1991 Ottawa 30yd., **UTILITY TRUCK:** 1991 Ford E350, **3 PICKUP TRUCKS:** 2012 Ford F450, 2011 Ford F250, 2010 Chevy Colorado LT(4x4), **2 CAB & CHASSIS:** 2005-2003 Ford F550, **5 DETACHABLE GOOSENECK TRAILERS:** (3)2023 Witzco RG52(tri.), 2000 Dynaweld 40-ton(t/a), Rogers(t/a), **EQUIPMENT TRAILER:** 2015 Traileze TE80HT(48ft., t/a), **14 TAGALONG TRAILERS:** (12)New Delta 20ft.(tilt, t/a), 2016 Bwise EDB20-15 20ft.(t/a), 1996 6-ton(t/a), **6 DUMP TRAILERS:** (6)New 2023 Nexhaul 14ft.(t/a), **FLATBED TRAILER:** 1995 Fontaine LFTW-5(45ft., t/a), **6 REFRIGERATED TRAILERS:** (6)2012 Utility VS2RA 45ft.(t/a), **UTILITY TRAILER:** 2001 Golf Cart Trailer, **2 UTILITY VEHICLES:** 2012 Bobcat 5600(4x4), 2014 Ez-Go 1600XD(4x4), **6 RECREATIONAL VEHICLES:** (3)New Camo Trail Bike 105cc, (3)New ATV 125cc, **7 MULTI-USE CONTAINERS:** (7)New 40ft. High Cube, **28 CONTAINERS:** (15)40ft., (9)20ft., (2)New 9ft. & (2)8ft.(door & window), **5 COMBINATION CABLE & HOOKLIFT ROLLOFF DUMPSTERS:** (2)40-yd., (2)30-yd., 20-yd., **13 HOOKLIFT CONTAINERS:** (5)30-yd., (5)20-yd., Bucks Strong 30-yd., (2)Bucks Strong 20-yd., **10 PORTABLE BATHROOM STATIONS:** (7)New Bastone 110v Portable Toilets w/Shower, (3)New Bastone 110v Portable Toilet w/Double Stall, **28 STORAGE BUILDINGS:** (3)New Golden Mount 40ft.x80ft.x20ft., (3)New Golden Mount 30ft.x65ft.x15ft., (3)New Golden Mount 30ft.x40ft.x15ft., (8)New Golden Mount 20ft.x30ft.x12ft., (2)New Golden Mount 40ft.x40ft., (6)New Golden Mount 40ft.x20ft., (3)New Golden Mount 20ft.x20ft., **12 SCRAP RECYCLING EQUIPMENT:** (8)New Greatbear 1-yd Self Dumping Hopper, (4)New 2cu.-yd. Self Dumping Hopper, (2)New 4-yd Debris Box, **5 ROAD PLATES:** (2)New Steel 1in., (2)New Steel 5/8in., New Steel 3/4in., New Steel 1/2in., **GALVANIZED PANEL:** New 12ft.x36in., **DUMP BODY:** J & J 17ft. Aluminum, **9 FT. FLATBED BODY, 11 SNOW EQUIPMENT:** (2)Like New Snow Wolf QP138 Angle Plow, (2)Like New Snow Wolf QP126 Angle Plow, 9ft. Western HD Snow Plow, New 8ft. Snow Pusher, New 6ft. Snow Pusher, Swenson Salter, Meyers Salter, (2)2020 Toro Power Broom, **WATER TANK:** 3,000 Gallon 3-Compartment Aluminum, **ENGINE:** JLG, **5 CRANE ACCESSORIES:** 48in. Crane Forks, (4)Hook & Block, **7 TRUCK PARTS & ACCESSORIES:** 2002 Dodge Rear Axle, 2008 GMC 5500 Rear Axle(w/tires & rims), Holland Fifth Wheel, Roll-Off Winch, (2)Single Wheel Rear Fenders, Bergkamp CS1000 Truck Body, 2005 Ford F550, **4 EQUIPMENT PARTS, 56 PRESSURE WASHERS:** (12)New Easy Kleen Magnum Gold, (2)New Greatbear 4000psi, (24)New Stanley Fat Max 3400psi, (18)New Realm 2600psi, **5 NEW & USED TIRES:** New Michelin G-20 15.5/80R20, New 26.5-25 Tires, Goodyear 10R15, (2)Firestone 12.5x18 Tires & 8-Hole Rims, 16.9x28 Tire & 8-Hole Rim, **FUEL TANK:** 100ga.(w/pump), **45 PALLETS OF STONE, 193 EXCAVATOR BUCKETS, 44 HYDRAULIC HAMMERS, 14 EXCAVATOR RIPPERS, 3 EXCAVATOR RAKES, 18 EXCAVATOR THUMBS, 2 HYDRAULIC SHEARS, 267 ATTACHMENTS:** (225)Skid Steer, (10)Track Loader, (5)Excavator, (23)Backhoe, **685 NEW SUPPORT EQUIPMENT, 170 SUPPORT EQUIPMENT.**

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# Auction Calendar



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## WEEKLY MONDAY AUCTIONS

- **10:00 AM:** Mohawk Valley Produce Auction, 840 Fordsbush Rd., Fort Plain, NY 13339. 518-568-3579.
- **11:30 AM:** Hosking Sales – Certified Organic Marketing Agency. Weekly sales every Monday 11:30 with misc. & small animals, 1:00 dairy, followed by feeders, sheep, lambs, goats, pigs. Calves start at 5 PM followed by cull beef. Hosking Sales 607-847-6274 or 607-847-8800, cell 607-972-1770 or 1771, Tom & Brenda Hosking, 6096 NYS Rt. 8, New Berlin, NY 13411. [hoskingsales.com](http://hoskingsales.com)
- **12:00 PM:** Dryden Market, Dryden, NY. Small animals, calves & beef. Empire Livestock, LLC, Mike Phair - Manager, 607-844-9104. [empirelivestock.com](http://empirelivestock.com)
- **12:00 PM:** Pavilion Market, Pavilion, NY. Calves, sheep, goats, hogs & beef. Empire Livestock, LLC, Rob Bannister - Manager, Sue Rudgers - WNY Coordinator, 585-584-3749. [empirelivestock.com](http://empirelivestock.com)
- **12:30 PM:** Vernon Market, Vernon, NY. Small animals & hay followed by calves & beef. David Sherwood, Manager, Empire Livestock, LLC 315-829-3105. [empirelivestock.com](http://empirelivestock.com)
- **2:00 PM:** NNY Farmers Marketing Co-Op, Inc., 8204 St. Rt. 26, Lowville, NY, 315-376-7441. [nnyfarmersmarket.com](http://nnyfarmersmarket.com)
- **3:00 PM:** Addison County Commission Sales, T.G. Wisnowski & Sons, Rt. 125, East Middlebury, VT. Livestock auction. Calves sell first, cull beef to follow. For sale information call ACCS VT toll free 800-339-COWS or 802-388-2661.

## WEEKLY TUESDAY AUCTIONS

- **9:00 AM:** St. Lawrence Valley Produce Auction, 518-483-4200.
- **9:00 AM:** In season produce, flowers and nursery. Ontario Produce Auction, 4860 Yautzy Rd., Stanley, NY 14561, 585-526-5708, 585-526-5723 fax [ontarioproduceauction.com](http://ontarioproduceauction.com)
- **12:30 PM:** Bath Market, Bath, NY. Calves & beef. Empire Livestock, LLC, Mike Phair - Manager, 607-776-2000. [empirelivestock.com](http://empirelivestock.com)
- **1:00 PM:** Central Bridge Market, Central Bridge, NY. Goats, sheep, pigs, veal followed by feeders, calves & beef. David Sherwood, Manager, Empire Livestock, LLC 518-868-2006. [empirelivestock.com](http://empirelivestock.com)
- **3:30 PM:** Cambridge Valley Livestock Market, 518-677-8576, [cvlmauction@gmail.com](mailto:cvlmauction@gmail.com). Calf Auction 3:30 PM; :00 PM Beef Sale - also goats, sheep, feeders, dairy, bulls. We accept animals all week at no charge. Trucking available; we have 4 generation auctioneers and a competitive market.

## WEEKLY WEDNESDAY AUCTIONS

- **10:00 AM:** Mohawk Valley Produce Auction, 840 Fordsbush Rd., Fort Plain, NY 13339. 518-568-3579.
- **11:00 AM:** Selling Hay & Straw, October – June. Finger Lakes Livestock, 3 mi. E. of Canandaigua, NY on Rt. 5 & 20. Regular cattle sale. Finger Lakes Livestock, 585-394-1515. [fingerlakeslivestockex.com](http://fingerlakeslivestockex.com)
- **11:30 AM:** Finger Lakes Livestock, 3 mi. E. of Canandaigua, NY on Rt. 5 & 20. Regular cattle sale. Finger Lakes Livestock, 585-394-1515. [fingerlakeslivestockex.com](http://fingerlakeslivestockex.com)
- **12:00 PM:** Dryden Market, Dryden, NY. Small animals, pigs, calves and beef. Empire Livestock, LLC, Mike Phair - Manager, 607-844-9104. [empirelivestock.com](http://empirelivestock.com)
- **1:30 PM:** Cherry Creek Market, Cherry Creek, NY. Dairy, beef, calves, sheep, goats & hogs. Lonnie Kent, Manager, Empire Livestock, LLC 716-450-3033. [empirelivestock.com](http://empirelivestock.com)

## WEEKLY THURSDAY AUCTIONS

- **9:00 AM:** In season produce, flowers and nursery. Ontario Produce Auction, 4860 Yautzy Rd., Stanley, NY 14561, 585-526-5708, 585-526-5723 fax [ontarioproduceauction.com](http://ontarioproduceauction.com)
- **11:00 AM:** Bath Market, Bath, NY. Poultry, small animals, calves, sheep, lambs, hogs, dairy, pigs, goats & beef. Empire Livestock, LLC, Mike Phair - Manager, 607-776-2000. [empirelivestock.com](http://empirelivestock.com)
- **11:15 AM:** Hay & Straw Auction. Ontario Produce Auction, 4860 Yautzy Rd., Stanley, NY 14561, 585-526-5708. [ontarioproduceauction.com](http://ontarioproduceauction.com)
- **12:30 PM:** Pavilion Market, Pavilion, NY. Calves, sheep, goats, hogs & beef. Empire Livestock, LLC, Rob Bannister - Manager, Sue Rudgers - WNY Coordinator, 585-584-3749.
- **12:30 PM:** Vernon Market, Vernon, NY. Dairy cows, heifers & service bulls followed by beef & calves. David Sherwood, Manager, Empire Livestock, LLC 315-829-3105. [empirelivestock.com](http://empirelivestock.com)
- **2:00 PM:** NNY Farmers Marketing Co-Op, Inc., 8204 St. Rt. 26, Lowville, NY, 315-376-7441. [nnyfarmersmarket.com](http://nnyfarmersmarket.com)
- **3:00 PM:** Addison County Commission Sales, T.G. Wisnowski & Sons, Rt. 125, East Middlebury, VT. Livestock auction. Calves sell first, cull beef to follow. For sale information call ACCS VT toll free 800-339-COWS or 802-388-2661.

## WEEKLY FRIDAY AUCTIONS

- **9:00 AM:** St. Lawrence Valley Produce Auction, 518-483-4200.
- **10:00 AM:** Mohawk Valley Produce Auction, 840 Fordsbush Rd., Fort Plain, NY 13339. 518-568-3579.

## MONTHLY AUCTIONS

### RTI Auctions

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### BIG IRON AUCTIONS

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[bigiron.com](http://bigiron.com)

### BRZOSTEK'S AUCTION SERVICE INC.

80 Smokey Hollow Rd., Baldwinsville, NY 13027  
[brzostek.com](http://brzostek.com)  
**315-678-2542 or 800-562-0660**  
**Fax 315-678-2116**

### C.W. GRAY & SONS, INC.

Complete Auction Services  
Rte. 5, East Thetford, VT  
**802-785-2161**

### CAMBRIDGE VALLEY LIVESTOCK MARKET

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# Auction Calendar



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## **NOW – TUESDAY, APRIL 4, 2023**

• Surban & Duraclean Services Liquidation Online Only Auction; general contracting & mitigation company liquidation. Pickup location: 97 West Dudley Town Rd., Bloomfield, CT. Jacquier Auctions, 413-569-6421. [jacquierauctions.com](http://jacquierauctions.com)

## **SATURDAY, APRIL 1, 2023**

• **9:00 AM:** Home full of antiques, 400 Brenneman Rd., Willow St, PA 17584. Leaman Auctions, 717-464-1128, cell 610-662-8147. [auctionzip.com](http://auctionzip.com)

• **9:30 AM:** Burlington, NJ. Property sold. 3-Day Retirement Dispersal Auction ~ Eagle Construction ~ Major sewer, water, mechanical contractor; primarily construction equipment, trucks, trailers, very large amount of mechanical contracting tools & support. Address: 1624 Jacksonville Rd., Burlington, NJ 08016. Alex Lyon & Son, 315-633-2944, 315-633-9544, 315-633-2872. [lyonauction.com](http://lyonauction.com)

• **10:00 AM:** 250 Head Beef Auction, Angus/Hereford. Simply Grazin LLC, 65 Gibbs Rd., Granville, NY 12832. JMartin Auctions, office #315-856-8447. [jmartinauctions.com](http://jmartinauctions.com)

• **12:00 PM:** Farm Equipment Dispersal of the Burkee Family, 2121 County Rt. 102, Woodhull, NY, featuring tractors, hay & forage equipment, tillage, & more farm-related items. No internet bidding for this auction. Auction co-managed by Frank Walker, Inc., Franklin, NY 607-829-5172 & Jonathan Lubic 607-382-3379. [frankwalkerauctions.com](http://frankwalkerauctions.com)

## **SUNDAY, APRIL 2, 2023**

• **5:00 PM:** Avoca NY Online Auction – Vehicle, Tools, Collectibles, Coin Auction. Pick up location: 19 Chase St., Avoca, NY 14809. Sold By: Bid-N-Buy Realty & Auctions Inc., 5893 School Rd., Castile, NY 14427, Office 585-493-5837. [Bidnbuyny.com](http://Bidnbuyny.com)-Click on upcoming auctions

## **MONDAY, APRIL 3, 2023**

• Normal Monday Sale & Monthly Fat Cow & Feeder Sale – 2nd Easter Lamb, Goat & Pig Sale. Hosking Sales, Tom & Brenda Hosking, 607-847-8800; cell 607-972-1770 or 1771; Dan Hosking 607-972-8773. [hoskingsales.com](http://hoskingsales.com)

• **6:00 PM:** BIDDING NOW! 12 LOT(S) in NY. 2008 International PayStar 5500i Dump Truck; 2013 Ford F150 Pickup Truck; 2011 Ford 14' Box Truck; 2013 Dodge Caravan; Toolboxes; Polaris Quad ATVs. Chautauqua County DPF-NY #32227. 800-536-1401. [AuctionsInternational.com](http://AuctionsInternational.com)

• **6:15 PM:** BIDDING NOW! 1 LOT(S) in NY. 2013 Blue Bird Mis-Size Wheelchair School Bus. Pittsford CSD-NY #31980. 800-536-1401. [AuctionsInternational.com](http://AuctionsInternational.com)

• **6:20 PM:** BIDDING NOW! 1 LOT(S) in NY. 2003 Ford Eddie Bauer Expedition. Surplus Liquidation-NY #32277. 800-536-1401. [AuctionsInternational.com](http://AuctionsInternational.com)

• **6:25 PM:** BIDDING NOW! 8 LOT(S) in MA \*\*8% Buyers Premium\*\* 2013 Ford Explorer SUV, 2014 Ford Taurus Sedan, 2016 Chevy 3500 Van, Zwack 8' Sander And More. Mass OSD Berkshire County Sheriff-MA #32274. 800-536-1401. [AuctionsInternational.com](http://AuctionsInternational.com)

• **6:40 PM:** BIDDING NOW! 9 LOT(S) in NY. 1986 Ford C8000 RSI Floodlight Emergency Vehicle, 2010 Ford F150 Crew Cab Pickup Truck/Police Vehicle, 2014 Chevy Express G4500 Bus, 2003 Load-Right 20' Trailer And More. City of Long Beach-NY #32278. 800-536-1401. [AuctionsInternational.com](http://AuctionsInternational.com)

• **6:50 PM:** BIDDING NOW! 1 LOT(S) in NY. Grundfos 16 GPM Well Pump. Newcomb CSD-NY #32264. 800-536-1401. [AuctionsInternational.com](http://AuctionsInternational.com)

• **7:00 PM:** BIDDING NOW! 3 LOT(S) in NY. Street Sweeper Brooms, 2003 GMC Yukon XL Suburban, 2011 Chevy Silverado 3500HD Pickup Truck with Sander and Plow. Village of Lake Grove-NY #32283. 800-536-1401. [AuctionsInternational.com](http://AuctionsInternational.com)

• **7:05 PM:** BIDDING NOW! 2 LOT(S) in NY. 2020 Chevy Z71 Silverado Pickup Truck W/ Fisher Plow (5% BP), 2007 International 7600 6x4 Dump Truck W/Plows & Spreader. Town of Henderson Hwy-NY #32258. 800-536-1401. [AuctionsInternational.com](http://AuctionsInternational.com)

• **7:10 PM:** BIDDING NOW! 1 LOT(S) in NY. (8) Badger Disc Meter/Water Meters, New. Town of Fleming-NY #32286. 800-536-1401. [AuctionsInternational.com](http://AuctionsInternational.com)

• **7:15 PM:** BIDDING NOW! 1 LOT(S) in NY. 2016 Ford F450 XL Super Duty Dump Truck with Plow and Sander. Town of Guilford Hwy-NY #32288. 800-536-1401. [AuctionsInternational.com](http://AuctionsInternational.com)

• **7:20 PM:** BIDDING NOW! 4 LOT(S) in NY. Blizzard Ice Chaser Polymer Spreader, Everest Commercial Refrigerator, 8.5' Meyer EZ-Mount Plus Plow, Lincoln Arc Welder. Hastings on Hudson UFSD-NY #32233. 800-536-1401. [AuctionsInternational.com](http://AuctionsInternational.com)

• **7:25 PM:** BIDDING NOW! 1 LOT(S) in NY. Life Fitness Commercial Treadmill. Livonia CSD-NY #32292. 800-536-1401. [AuctionsInternational.com](http://AuctionsInternational.com)

• **7:30 PM:** BIDDING NOW! 1 LOT(S) in NY. Hunter GSP9700 Road Force Wheel Balancer. WSWHE BOCES-NY #32293. 800-536-1401. [AuctionsInternational.com](http://AuctionsInternational.com)

• **7:35 PM:** BIDDING NOW! 41 LOT(S) in MA \*\*8% Buyers Premium\*\* Kayaks, Canoes, Sailboats, Fishing Boats And More. Town of Chatham Harbormaster-MA #32285. 800-536-1401. [AuctionsInternational.com](http://AuctionsInternational.com)

• **8:30 PM:** BIDDING NOW! 23 LOT(S) in NY. 2009 Dodge Ram 1500 Crew Cab Pickup Truck, 2015 Monster Moto 80 MM-B80 Mini Bike, 2015 Chrysler Town and Country Van, 2020 Fly E-Bike And Much More. City of Newburgh PD Impounds-NY #32169. 800-536-1401. [AuctionsInternational.com](http://AuctionsInternational.com)

## **TUESDAY, APRIL 4, 2023**

• Land Auction, Knox County, NE, Ternus Properties. Big Iron Auctions, 402-678-2411. [bigiron.com](http://bigiron.com)

• **1:00 PM:** Dairy & Heifer Sale (following with goats, sheep, pigs following are veal, feeders, bulls, calves then cows). Empire Livestock LLC - Central Bridge Market, 872 Rt. 30A, Central Bridge NY 12035, 518-868-2006, office – 518-868-2006; Manager and Auctioneer, David Sherwood 315-436-0804.

• **3:00 PM:** Skyline Auction Event Center, Rt. 364, Penn Yan, NY. Clock & watch auction. Hosted by the Atlantic Horological Event Clock & Watch show. To consign or questions call Paul at 315-536-6358. Horning Auction Co., Penn Yan, NY 315-729-5854, 585-526-6100. [horningauction.com](http://horningauction.com)

• **6:00 PM:** Internet Auction closing April 4. Stettner Farms Retirement Dispersal, 595 Gillet Rd., Spencerport, NY 14559. JMartin Auctions, office #315-856-8447. [jmartinauctions.com](http://jmartinauctions.com)

• **6:00 PM:** BIDDING NOW! 11 LOT(S) in NY. Bobcat Snow Blower Attachment with Hydraulics, Snow Pusher, Cleaning Equipment, Student Desks Tables & Chairs. Phelps-Clifton Springs CSD-NY #32115. 800-536-1401. [AuctionsInternational.com](http://AuctionsInternational.com)

• **6:10 PM:** BIDDING NOW! 6 LOT(S) in NY. 2005 Holmatro 3035-NCT Rescue Tool Cutter, 2005 Holmatro 315-UL Combination Tool, 2005 Holmatro DPU Hydraulic Power Pumps And More. Rock Hill Fire District-NY #32297. 800-536-1401. [AuctionsInternational.com](http://AuctionsInternational.com)

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# Auction Calendar

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• **6:20 PM:** BIDDING NOW! 3 LOT(S) in NY. 2009 International 7500 SPA Workstar Dump Truck, 2005 Imperial Trailer with Ramps, Husqvarna Z4817 Mower. Town of Ausable Hwy-NY #32289. 800-536-1401.

AuctionsInternational.com

• **6:25 PM:** BIDDING NOW! 15 LOT(S) in NY. Boston Whaler, Ford F350's, Chevy Suburban, International Packers, Ford Focus'. Village of Lindenhurst, Long Island-NY #32130. 800-536-1401.

AuctionsInternational.com

• **6:40 PM:** BIDDING NOW! 1 LOT(S) in NY. 2008 Ford F350 XL Super Duty Pickup Truck with Plow.

Gananda CSD-NY #32299. 800-536-1401.

AuctionsInternational.com

• **6:45 PM:** BIDDING NOW! 1 LOT(S) in NY. 2004 GMC Yukon SUV. City of Kingston FD-NY #32301. 800-536-1401.

AuctionsInternational.com

• **6:50 PM:** BIDDING NOW! 1 LOT(S) in NY. Taylor Pittsburgh Taylor Way 5' Gear Driven Rotary Tiller, 962. Lake Forest Senior Living-NY #32300. 800-536-1401.

AuctionsInternational.com

• **6:55 PM:** BIDDING NOW! 3 LOT(S) in NY. 2020 Ram 2500 Crew Cab Pickup Truck with Plow (5% Buyers Premium), 1998 Ford F800 Dump Truck, 1994 Brush Bandit Wood Chipper. Town of Caroline-NY #32302. 800-536-1401.

AuctionsInternational.com

• **7:10 PM:** BIDDING NOW! 5 LOT(S) in NY. 1999 International Blue Bird Transit Bus, 2006 Ford F350XL Super Duty Pickup Truck with Plow, 2008 GMC Sierra 2500HD Pickup Truck with Cap, 2004 Chevy Suburban with Plow, 2009 Chevy Suburban with Plow. Johnson City Schools-NY #32306. 800-536-1401.

AuctionsInternational.com

## **TUESDAY, APRIL 4, 2023 – TUESDAY, APRIL 11, 2023**

• **6:00 PM:** April NetAuction: Edition 1. RTI Auctions.

RTIauctions.com

## **WEDNESDAY, APRIL 5, 2023**

• **9:00 AM:** Farm Retirement Auction for Titus H. Nolt, 1064 City Hill Rd., Penn Yan, NY 14527. Dann Auctioneers, 585-233-9570. dannauctioneers.com

• **10:00 AM:** BIDDING NOW! 105 LOT(S) in Allegany County- Tax Foreclosed Real Estate. Allegany County- Tax Foreclosed Real Estate #32019. 800-536-1401.

AuctionsInternational.com

• **6:05 PM:** BIDDING NOW! 7 LOT(S) in NY. Monitors, Keyboards and More, Stihl 16" Bar Chain Saw, Little Wonder Push Blower, Trailer Hitch, New/Old Stock And More. Surplus Liquidation-NY #32308. 800-536-1401.

AuctionsInternational.com

• **6:15 PM:** BIDDING NOW! 18 LOT(S) in MA \*\*8% Buyers Premium\*\* Plows, Attachments, Office Furniture, (2) Ford Explorers And More. Town of Swansea-MA #32245. 800-536-1401.

AuctionsInternational.com

• **6:35 PM:** BIDDING NOW! 5 LOT(S) in NY. 2017 Blue Bird Conventional School Bus, 2014 Blue Bird Conventional School Bus, 1977 Ford 3600 Tractor W/Bucket Loader, Nautilus Fitness Equipment. Hermon Dekalb CSD-NY #32282. 800-536-1401.

AuctionsInternational.com

• **6:40 PM:** BIDDING NOW! 1 LOT(S) in NY. Garland Commercial Oven/Stove/Griddle. Genegantslet Fire Co. Inc-NY #32314. 800-536-1401.

AuctionsInternational.com

• **6:45 PM:** BIDDING NOW! 1 LOT(S) in NY. 1987 Jet Horizontal Vertical Metalworking Bandsaw. Town of New Scotland Hwy-NY #32316. 800-536-1401.

AuctionsInternational.com

• **6:50 PM:** BIDDING NOW! 26 LOT(S) in MA \*8% Buyer's Premium\* Generators, Machine Tools, Wood working equipment, Forklifts And more. City of New Bedford Fleet-MA #32239. 800-536-1401.

AuctionsInternational.com

• **7:20 PM:** BIDDING NOW! 5 LOT(S) in NY. (4) 8' Fisher 90800 HD2 Snow Plow, (1) 8' Western Ultra Finish Snow Plow. Syracuse CSD Transportation-NY #32317. 800-536-1401.

AuctionsInternational.com

• **7:25 PM:** BIDDING NOW! 1 LOT(S) in NY.

2015 Ford F350XL Super Duty Crew Cab Pickup Truck with Plow. Town of Plymouth-NY #32315. 800-536-1401.

AuctionsInternational.com

• **7:30 PM:** BIDDING NOW! 1 LOT(S) in NY.

Toro Plate Tamper. Village of Port Dickinson DPW-NY #32318. 800-536-1401.

AuctionsInternational.com

## **THURSDAY, APRIL 6, 2023**

• **9:30 AM:** 35 N. Flat St., Penn Yan, NY. Hand tools, welder, torch, few non-running McCormick-Deering tractors, JD B with front blade, rough cut lumber, vintage car parts. Barn clean out-surprises! Horning Auction Co., Penn Yan, NY 315-729-5854, 585-526-6100.

horningauction.com

• **12:00 PM:** East Middlebury, VT. Annual Spring Dairy Feeder Consignment Sale, 200 head expected, beef feeders also. Addison County Commission Sales, East Middlebury, VT; 800-339-COWS or 802-388-2661.

• **2:00 PM:** 35 N. Flat St., Penn Yan, NY. 4 bedroom, 2 bath farm house, shop, gambrel roof barn on 2 acres. Motivated seller. Horning Auction Co., Penn Yan, NY 315-729-5854, 585-526-6100.

horningauction.com

• **5:00 PM:** Real Estate Auction, 5640 Meadville Rd., Gap, PA. 6 bed, 1.5 bath, 2 story house; large horse/ cow barn, shop on 1.9 acres. Open House: Thursday, March 9 at 4 PM; Saturday, March 11 at 1 PM. Beiler-Campbell Auction Services, Elvin 610-333-5447; Christ 717-371-1915.

beiler-campbellauctions.com

• **6:00 PM:** BIDDING NOW! 2 LOT(S) in NY. 1994 Ford F450 Super Duty Harben Jetter Mounted Truck, Konica Minolta bizhubC554a Copier, 1994 Ford F450 Super Duty Harben Jetter Mounted Truck. Village of Bronxville-NY #31970. 800-536-1401.

AuctionsInternational.com

• **6:10 PM:** BIDDING NOW! 1 LOT(S) in NY. 2009 Ford E450 Bus. Town of New Castle-NY #32319. 800-536-1401.

AuctionsInternational.com

• **6:15 PM:** BIDDING NOW! 2 LOT(S) in NY.

2011 Ford F250 Super Duty Crew Cab Pickup Truck, 2000 Ford F550 Utility Box Truck. North West Fire District-NY #32322. 800-536-1401.

AuctionsInternational.com

• **6:20 PM:** BIDDING NOW! 1 LOT(S) in NY. 2017 Ford Expedition SUV/Police Vehicle. Village of Fishkill PD-NY #32325. 800-536-1401.

AuctionsInternational.com

• **6:25 PM:** BIDDING NOW! 1 LOT(S) in NY. 2010 International/Vactor 7500 SBA Sewer Cleaning Truck. Development Authority of the North Country-NY #32326. 800-536-1401.

AuctionsInternational.com

• **6:25 PM:** BIDDING NOW! 14 LOT(S) in NY. Ingersoll Rand 185 Compressor (Truck Mount), (4) Werner Aluminum Extension Planks, Galion 4-6 Ton Roller, (3) Boxes of 14" Demo Saw Blades, New/Old Stock And Much More. Surplus Liquidation-NY #32327. 800-536-1401.

AuctionsInternational.com

• **6:40 PM:** BIDDING NOW! 6 LOT(S) in NY. 2008 Honda Accord Sedan, 2012 Nissan Sentra Sedan, 1999 Toyota Camry Sedan, 2004 Ford Explorer SUV And More. City of Poughkeepsie PD-NY #32328. 800-536-1401.

AuctionsInternational.com

• **6:50 PM:** BIDDING NOW! 2 LOT(S) in NY. 2016 Chevy Equinox LS SUV, 2013 Ford E250 Van. ECWA-NY #32329. 800-536-1401.

AuctionsInternational.com

• **7:00 PM:** BIDDING NOW! 3 LOT(S) in NY. 2015 RAM 3500 Dump Truck with Plow, 2017 Cub Cadet Pro Z700 72" Zero Turn Mower, (6) 225/70R19.5 Load Range G Tires. Village of Walton DPW-NY #32323. 800-536-1401.

AuctionsInternational.com

• **7:05 PM:** BIDDING NOW! 1 LOT(S) in MA. 2007 Sterling L8500 Dump/Sander Combination Truck. Business Liquidation-MA #32310. 800-536-1401.

AuctionsInternational.com

## **FRIDAY, APRIL 7, 2023**

• **6:00 PM:** BIDDING NOW! 6 LOT(S) in NY. 2014 Ford F150 XLT Super Cab Pickup Truck, 2016 Ford F250 XLT Super Duty Super Cab Pickup Truck w/Plow, 1999 Neal DM-6500 Crawler Asphalt Paver, 2013 Ford Escape SUV, Stencils for Road Signs, Super Striper Paint Sprayer & Road Sign Stands. Town of Ithaca DPW-NY #32305. 800-536-1401.

AuctionsInternational.com

• **6:10 PM:** BIDDING NOW! 1 LOT(S) in NY. 2008 Dodge Charger Sedan. Town of Brookhaven Fleet, Long Island-NY #32332. 800-536-1401.

AuctionsInternational.com

• **6:15 PM:** BIDDING NOW! 11 LOT(S) in NY. Mitsubishi 6,000 Pneumatic Gas Forklift, Rite-Hite Light Speed Door, New, Raymond Electric Pallet Jack, 2015 Hybrid HB1430 Electric Scissor Lift And Much More. Surplus Liquidation-NY #32333. 800-536-1401.

AuctionsInternational.com

• **6:30 PM:** BIDDING NOW! 1 LOT(S) in NY. 2006 Chevy 3500 Express Van. Village of East Syracuse FD-NY #32335. 800-536-1401.

AuctionsInternational.com

• **6:35 PM:** BIDDING NOW! 62 LOT(S) in NY. Agrotk Gas Mini Excavator, Skid Steer Mounted Pallet Forks, Skid Steer Mounted Brush Cutter, Skid Steer Mounted Hydraulic Breaker And Much More. New Import Equipment and Attachments-NY #32334. 800-536-1401.

AuctionsInternational.com

• **7:40 PM:** BIDDING NOW! 5 LOT(S) in NJ. 2014 Hyundai Sonata Sedan, 2011 Hyundai Sonata Sedan, 2011 Ford Escape XLT SUV, 2012 Ford Escape XLT SUV, 2009 Ford E150 Cargo Van. Surplus Liquidation-NJ #32336. 800-536-1401.

AuctionsInternational.com

• **7:50 PM:** BIDDING NOW! 2 LOT(S) in NY. 2015 International 7600 Dump Truck, 2011 Ferri 4' Flail Boom Mower #TS610 Attachment. Town of Stafford Hwy-NY #32279. 800-536-1401.

AuctionsInternational.com

• **7:55 PM:** BIDDING NOW! 1 LOT(S) in MA \*7% Buyer's Premium\* 1994 International 4900 Pot Hole Patcher Truck. City of Beverly DPW-MA #32339. 800-536-1401.

AuctionsInternational.com

## **SATURDAY, APRIL 8, 2023**

• **9:00 AM:** Estate Auction, Kendig Rd., Willow St., PA 17584. Leaman Auctions 717-464-1128, cell 610-662-8149.

• **10:00 AM:** (Day Before Easter) Hamlin (Monroe Co.), NY. Large Retirement Auction for Scott & Monica Reis of grain & construction equipment.

pirrunginc.com

• **11:00 AM:** Perry County Farm Auction, 1388 Turkey Bird Rd., Newport, PA; 33.47 acres, 5 BR, 3 BA home, woodland, tillable fields, JD tractor. Beiler-Campbell Auction Services, Jake Yoder 717-513-5386; 888-209-6160.

beiler-campbellauctions.com

## **MONDAY, APRIL 10, 2023**

• Normal Monday Sale & Monthly Heifer Sale. Hosking Sales, Tom & Brenda Hosking, 607-847-8800; cell 607-972-1770 or 1771; Dan Hosking 607-972-8773.

hoskingsales.com

## **TUESDAY, APRIL 11, 2023**

• Berghorn Farms Online Machinery Auction-Akron, NY. Selling IH 6 wheel truck; Killbros gravity wagons; Tillage; Planting & more! williamkentinc.com

• **1:00 PM:** Regular sale (start with goats, sheep, pigs following are veal, feeders, bulls, calves then cows). Empire Livestock LLC - Central Bridge Market, 872 Rt. 30A, Central Bridge NY 12035, 518-868-2006, office – 518-868-2006; Manager and Auctioneer, David Sherwood 315-436-0804.

## **WEDNESDAY, APRIL 12, 2023**

• **10:00 AM:** 3018 Rt. 364, Penn Yan, NY. 15 acre farmette with 2 bedroom home & shop. Great location. Sells absolute!! Horning Auction Co., Penn Yan, NY 315-729-5854, 585-526-6100.

horningauction.com

## **THURSDAY, APRIL 13, 2023**

• **6:30 PM:** Absolute Public Real Estate Auction, 2301 Fort Robinson Rd., Loysville, PA; 5 acres w/ranch home, 30'x42' 2-story garage, 42'x50' livestock barn. Beiler-Campbell Auction Services, J. Meryl Stoltzfus 717-629-6036; 888-209-6160.

beiler-campbellauctions.com

## **FRIDAY, APRIL 14, 2023**

• **9:00 AM:** G-Quist Farms Retirement Dispersal, 3220 Jacksonville Rd., Trumansburg, NY 14886. JMartin Auctions, Office #315-856-8447.

martinauctions.com

• **9:00 AM:** Farm & Construction Equipment Consignment Auction. Ontario Produce Auction, 4860 Yautzy Rd., Stanley, NY 14561 585-554-4423, 585-526-5708, 585-526-5723 fax.

ontarioproduceauction.com

• **9:00 AM:** Public Auction, 1732 Diamond Station Rd., Ephrata, PA. 14 tractors, IH crawler loader, farm equipment, farm, shop & dairy items, books, household, antiques. Beiler-Campbell Auction Services, Harold Martin 717-738-4882, Wilmer Martin 717-333-4881, Noah Shirk 717-354-0192; 888-209-6160.

beiler-campbellauctions.com

## **SATURDAY, APRIL 15, 2023**

• **7:55 AM:** 32nd Annual Spring Auction. Beaver Mountain Farms, 1030 Cty. Rd. 27A, Ancram, NY 12502. 518-929-3480 Don, 518-929-5659 Chris. Leaman Auctions, 717-464-1128, cell 610-662-8149.

• **10:00 AM:** Huge Farm Machinery Sale, Bainbridge, NY. Equipment, parts, scrap, silage dump trucks. Fred R. Bell, 607-343-0173.



# Auction Calendar

**To Have Your Auction Listed, See Your Sales Representative or Contact Dave Dornburgh at 518-673-0109 • Fax 518-673-2381 • Email [ddornburgh@leepub.com](mailto:ddornburgh@leepub.com)**



• **10:30 AM:** Frenchtown (Hunterdon Co.). NJ. Farm sold, owners are retiring. Selling for John & Cynthia Niciecki. A beautiful little lineup of mid size JD tractors; haying line & general purpose equipment. [pirrunginc.com](http://pirrunginc.com)

• **11:00 AM:** Annual Spring Consignment & Machinery Auction, 4428 Rt. 16, Hinsdale, NY. Farm machinery, misc. farm items, other equipment. Quality consignments welcome. Maplehurst Livestock Market LLC, Bob Kent 716-557-2584 or cell 716-790-9445.

• **12:00 PM:** Online PA's Gas Station Auction, Rt. 6, Black Walnut, PA. Shamrock Auctions, 570-335-1195.

[shamrockauctions.com](http://shamrockauctions.com)

• **12:00 PM:** Online Brett Greenland Real Estate Auction, 1707 Echo Beach Rd., Towanda, PA. Shamrock Auctions, 570-335-1195.

[shamrockauctions.com](http://shamrockauctions.com)

## **MONDAY, APRIL 17, 2023**

• Normal Monday Sale & Monthly Sheep, Lamb, Goat & Pig Sale. Hosking Sales, Tom & Brenda Hosking, 607-847-8800; cell 607-972-1770 or 1771; Dan Hosking 607-972-8773. [hoskingsales.com](http://hoskingsales.com)

• Estate of Donald Martin Online Machinery & Tool Auction-Batavia, NY. Selling IH 424; Farmall 350; Farmall Cub; plus JD lawn mowers; implements; tools; antique garden items & more!

[williamkentinc.com](http://williamkentinc.com)

## **TUESDAY, APRIL 18, 2023**

• **1:00 PM:** Regular sale (start with goats, sheep, pigs following are veal, feeders, bulls, calves then cows). Empire Livestock LLC - Central Bridge Market, 872 Rt. 30A, Central Bridge NY 12035, 518-868-2006, office - 518-868-2006; Manager and Auctioneer, David Sherwood 315-436-0804.

## **WEDNESDAY, APRIL 19, 2023**

• **9:30 AM:** Corvin Rd., Branchport, NY. Welder, torch, plasma cutter, welding table, floor jacks, Coates tire machine, metal band-saw, Ford 3600 diesel tractor, 1952 8N Ford, 50 ton shop press. Horning Auction Co., Penn Yan, NY 315-729-5854, 585-526-6100.

[horningauction.com](http://horningauction.com)

## **FRIDAY, APRIL 21, 2023**

• **11:00 AM:** Lakeview Holsteins, 2456 Rt. 14, Penn Yan, NY. Selling Grade and purebred dairy cattle. JMartin Auctions, Office #315-856-8447.

[jmartinauctions.com](http://jmartinauctions.com)

## **SATURDAY, APRIL 22, 2023**

• Annual Farm & Construction Consignment Auction. To consign call Northern New York Dairy Sales, LLC, North Bangor, NY 518-481-6666, Joey St. Mary 518-569-0503, Harry Nev-erett 518-651-1818.

[nnyds.com](http://nnyds.com)

• **8:30 AM:** Estate Auction, 3780 Main St., Conestoga, PA 17516. Leaman Auctions, 717-464-1128, cell 610-662-8149.

[auctionzip.com](http://auctionzip.com)

• **9:00 AM:** 32nd Annual Spring Extravaganza, Allegany Fairgrounds, 15 North St., Angelica, NY 14709. **7:00 PM:** Online Only Support Items. Consignments accepted (tools, equipment, vehicles, lawn & garden, UTV, ATV, no household!) April 11 & 12 for large items, April 13-15 for small items. R.G. Mason Auctions, 585-567-8844.

[rgmasonauctions.com](http://rgmasonauctions.com)

• **9:00 AM:** Annual Spring Machinery & Equipment Auction. Hosking Sales, Tom & Brenda Hosking, 607-847-8800; cell 607-972-1770 or 1771; Dan Hosking 607-972-8773. [hoskingsales.com](http://hoskingsales.com)

• **10:00 AM:** Four Generation Farm Reduction Auction, 1583 McArthur Hill Rd., Bloomville, NY, featuring tractors, implements, small tools, & antiques from all corners of the barns. Machinery well-maintained, some rebuilt, some salvage. Internet bidding available on larger items via Proxibid. Auction by Frank Walker, Inc., Franklin, NY 607-829-5172.

[frankwalkerauctions.com/](http://frankwalkerauctions.com/)

## **MONDAY, APRIL 24, 2023**

• Normal Monday Sale & Organic Day. Hosking Sales, Tom & Brenda Hosking, 607-847-8800; cell 607-972-1770 or 1771; Dan Hosking 607-972-8773.

[hoskingsales.com](http://hoskingsales.com)

## **TUESDAY, APRIL 25, 2023**

• Beef replacement and Feeder Sale. Empire Livestock LLC - Central Bridge Market, 872 Rt. 30A, Central Bridge NY 12035, 518-868-2006, office - 518-868-2006; Manager and Auctioneer, David Sherwood 315-436-0804.

## **THURSDAY, APRIL 27, 2023**

• **5:00 PM:** 2 Day Auction. Thursday on-line only! High Point Farm Retirement Dispersal. JMartin Auctions, Office #315-856-8447.

[jmartinauctions.com](http://jmartinauctions.com)

## **FRIDAY, APRIL 28, 2023**

• **9:00 AM:** 2 Day Auction. High Point Farm Retirement Dispersal, 4315 Rockefeller Rd., Auburn, NY 13021. JMartin Auctions, Office #315-856-8447.

[jmartinauctions.com](http://jmartinauctions.com)

• **11:30 AM:** Spring Production Sale - selling 120 head of Registered & good quality grade dairy cattle. Hosking Sales, Tom & Brenda Hosking, 607-847-8800; cell 607-972-1770 or 1771; Dan Hosking 607-972-8773.

[hoskingsales.com](http://hoskingsales.com)

• **7:00 PM:** Online Auction - The Hope Foundation of Wyoming County Charity Auction - donations welcome. Pick Up: 140 N Main St., Warsaw, NY 14569. Sold By: Bid-N-Buy Realty & Auctions Inc., 5893 School Rd., Castile, NY 14427, Office 585-493-5837.

[bidnbuyny.com](http://bidnbuyny.com)-Click on upcoming auctions

## **SATURDAY, APRIL 29, 2023**

• NY's Favorite Consignment Auction, Geneseo, NY. RTI Auctions.

[RTIauctions.com](http://RTIauctions.com)

• **8:30 AM:** Retirement Auction for Dennis & Clair Sigler, 61 Hall Hill Rd., Ancram, NY 12502. Leaman Auctions, 717-464-1128, cell 610-662-8149.

[auctionzip.com](http://auctionzip.com)

• **11:30 AM:** Spring Production Sale - selling 120 head of Registered & good quality grade dairy cattle. Due to the overflow of our Spring All Breed Sale we are having this sale. The consignments already are impressive. Call today before this sale fills up if you have anything you would like to consign & if you did not make the Spring Sale. Hosking Sales, Tom & Brenda Hosking, 607-847-8800; cell 607-972-1770 or 1771; Dan Hosking 607-972-8773.

[hoskingsales.com](http://hoskingsales.com)

## **MONDAY, MAY 1, 2023**

• Normal Monday Sale & Monthly Fat Cow & Feeder Sale. Hosking Sales, Tom & Brenda Hosking, 607-847-8800; cell 607-972-1770 or 1771; Dan Hosking 607-972-8773. [hoskingsales.com](http://hoskingsales.com)

## **WEDNESDAY, MAY 3, 2023**

• **5:30 PM:** Evening Farm Equipment Dispersal Auction, Mt. Hope School Rd., Willow St, PA 17584. Leaman Auctions 717-464-1128, cell 610-662-8149.

[auctionzip.com](http://auctionzip.com)

## **FRIDAY, MAY 5, 2023**

• **9:00 AM:** Spring Consignment Auction, 2628 River Rd., Unadilla, NY, featuring farm tractors, compact tractors, industrial equipment, farm implements, & much more. Yard will be full of good quality machinery with lots of consignments. Internet bidding available through Proxibid. Auction by Frank Walker, Inc 607-829-5172.

[frankwalkerauctions.com](http://frankwalkerauctions.com)

## **SATURDAY, MAY 6, 2023**

• **9:30 AM:** Public Auction, 837 Kurtz Mill Rd., Mohnton, PA; 11.23 acre horse farm w/2-story 3 BR farm house; 2 horse barns & large indoor arena; loader, mower, generator, horse saddles, tack, tools, furniture. Beiler-Campbell Auction Services, Wilmer Martin 717-333-4881, J. Meryl Stoltzfus 717-629-6036; 888-209-6160.

[beiler-campbellauctions.com](http://beiler-campbellauctions.com)

## **MONDAY, MAY 8, 2023**

• Normal Monday Sale & Monthly Heifer Sale. Hosking Sales, Tom & Brenda Hosking, 607-847-8800; cell 607-972-1770 or 1771; Dan Hosking 607-972-8773.

[hoskingsales.com](http://hoskingsales.com)

## **SATURDAY, MAY 13, 2023**

• **10:00 AM:** 7615 Williams Rd., Prattsburgh (Steuben Co.) NY. 52 Acre Farmette, Farm Equipment/Tools/Household. RG Mason & Pir-rung Auctioneers.

[pirrunginc.com](http://pirrunginc.com)

## **FRIDAY, MAY 19, 2023**

• **11:00 AM:** Lakeview Holsteins, 2456 Rt. 14, Penn Yan, NY. Selling Grade and purebred dairy cattle. JMartin Auctions, Office #315-856-8447.

[jmartinauctions.com](http://jmartinauctions.com)

• **4:00 PM:** Large annual Spring/Summer 2 day machinery auction. Friday on-line only! 1036 St. Rt. 318, Waterloo, NY 13165. Featuring large

amounts of construction, agricultural equipment, dealer trade-ins, repos, farm dispersals & liquidations. JMartin Auctions, Office #315-856-8447.

[jmartinauctions.com](http://jmartinauctions.com)

## **SATURDAY, MAY 20, 2023**

• Batavia, NY. NYS Jersey Sale - held at the Genesee County Fairgrounds. More info to come. Hosking Sales, Tom & Brenda Hosking, 607-847-8800; cell 607-972-1770 or 1771; Dan Hosking 607-972-8773.

[hoskingsales.com](http://hoskingsales.com)

• **8:00 AM:** Day two of large annual Spring/Summer 2 day machinery auction. 1036 St. Rt. 318, Waterloo, NY 13165. Featuring large amounts of construction, agricultural equipment, dealer trade-ins, repos, farm dispersals & liquidations. JMartin Auctions, Office #315-856-8447.

[jmartinauctions.com](http://jmartinauctions.com)

## **SATURDAY, MAY 27, 2023**

• **11:30 AM:** Dostie Farm Complete Certified Organic Herd Dispersal. Hosking Sales, Tom & Brenda Hosking, 607-847-8800; cell 607-972-1770 or 1771; Dan Hosking 607-972-8773. [hoskingsales.com](http://hoskingsales.com)

## **FRIDAY, JUNE 16, 2023**

• **11:00 AM:** Lakeview Holsteins, 2456 Rt. 14, Penn Yan, NY. Selling Grade and purebred dairy cattle. JMartin Auctions, Office #315-856-8447.

[jmartinauctions.com](http://jmartinauctions.com)

## **THURSDAY, JULY 13, 2023**

• **2:30 PM:** John Deere Expo Consignment Auction at the NY Steam Engine Association Grounds, 3349 Gehan Rd., Canandaigua, NY 14424. Call now to list your consignments! Accepting anything John Deere, including equipment, toys & memorabilia! Call Jeff Dann at 585-233-9570 or email [dannauctioneers@gmail.com](mailto:dannauctioneers@gmail.com) to advertise early consignments! Consignments will be accepted on-site Tues 7/11 & Wed 7/12 from 8 AM - 6 PM and Thurs 7/13 from 8 AM - 12 PM. Dann Auctioneers, 585-233-9570.

[dannauctioneers.com](http://dannauctioneers.com)

## **FRIDAY, JULY 21, 2023**

• **11:00 AM:** Lakeview Holsteins, 2456 Rt. 14, Penn Yan, NY. Selling Grade and purebred dairy cattle. JMartin Auctions, Office #315-856-8447.

[jmartinauctions.com](http://jmartinauctions.com)

## **SATURDAY, AUGUST 5, 2023**

• **9:00 AM:** Hit & miss engines, Steam engines, Original signs, Steam whistles, Model engines, Brass locomotive bell. 500+/- lots. Horning Auction Co. Penn Yan, NY, 315-729-5854, 585-526-6100.

[horningauction.com](http://horningauction.com)

## **FRIDAY, AUGUST 18, 2023**

• **11:00 AM:** Lakeview Holsteins, 2456 Rt. 14, Penn Yan, NY. Selling Grade and purebred dairy cattle. JMartin Auctions, Office #315-856-8447.

[jmartinauctions.com](http://jmartinauctions.com)

## **FRIDAY, SEPTEMBER 8, 2023**

• **9:00 AM:** J Edward Davie Farms Inc. Retirement Dispersal. 4830 County Rd. 6, Geneva, NY 14456. JMartin Auctions, Office #315-856-8447.

[jmartinauctions.com](http://jmartinauctions.com)

## **FRIDAY, SEPTEMBER 15, 2023**

• **11:00 AM:** Lakeview Holsteins, 2456 Rt. 14, Penn Yan, NY. Selling Grade and purebred dairy cattle. JMartin Auctions, Office #315-856-8447.

[jmartinauctions.com](http://jmartinauctions.com)

## **FRIDAY, OCTOBER 20, 2023**

• **11:00 AM:** Lakeview Holsteins, 2456 Rt. 14, Penn Yan, NY. Selling Grade and purebred dairy cattle. JMartin Auctions, Office #315-856-8447.

[jmartinauctions.com](http://jmartinauctions.com)

## **FRIDAY, NOVEMBER 17, 2023**

• **11:00 AM:** Lakeview Holsteins, 2456 Rt. 14, Penn Yan, NY. Selling Grade and purebred dairy cattle. JMartin Auctions, Office #315-856-8447.

[jmartinauctions.com](http://jmartinauctions.com)

## **FRIDAY, DECEMBER 15, 2023**

• **11:00 AM:** Lakeview Holsteins, 2456 Rt. 14, Penn Yan, NY. Selling Grade and purebred dairy cattle. JMartin Auctions, Office #315-856-8447.

[jmartinauctions.com](http://jmartinauctions.com)



# Oxford teachers selected for 2023 National Excellence in Teaching About Agriculture Award

The National Agriculture in the Classroom Organization (NAITCO), USDA's National Institute of Food and Agriculture (USDA-NIFA) and Farm Credit partner each year to honor teachers in pre-K through 12th grade from around

the country for the innovative ways they use agricultural concepts to teach reading, writing, math, science, social studies, STEM, STEAM and more.

New York Agriculture in the Classroom

Oxford B9



Megan and Clayton Kappauf



**Unadilla Livestock Company, LLC**  
76 Maple Ave., Unadilla, NY 13849

## LIVESTOCK AUCTIONS EVERY WEDNESDAY

11:00 Misc. & Small Animals - 1:00 Pigs, Goats, & Sheep  
1:30 Calves - 2:30 Dairy followed by Feeders, Bulls, & Beef

**Groups of Fat Cattle Every Week- Finished Freezer Ready Beef**

## TOP COW MARKET IN THE AREA EVERY WEEK

Come watch your cows sell & take a check home

## WE WORK FOR OUR FARMERS!

## HOLSTEIN DAIRY HERD DISPERSAL:

**Weds, 4/5/23 - 2:30PM**

**45 MILKING - 9 DRY COWS - 15 BRED HEIFERS**

Tie Stall Cows, Vaccinated on Farm, 140k SCC, 3.6 BF, 3.0 Protein, 50lb Herd Average- Cows have not been pushed!

## DRAFT & DRIVER SPECIAL HORSE & TACK AUCTION:

**SAT - 4/15/23 - 11:00 Tack; 4:00 Horses**

Expecting a great selection of horses- DRAFTS, DRIVERS, RIDERS, PONIES & DONKEYS!  
New & used tack (tack must be in by 11:00). Call Kaitie to consign horses & have them advertised!

## DAIRY DAY: WEDS, 4/19/23 - 2:30PM

## SPRING FEEDER SALE - SAT, 4/22/23 - 1:00PM

Large run of feeders expected, several groups already consigned!  
All nasaed with Inforce3. Friday drop-off welcomed!



Horse Sale Manager - Kaitie Rubin 845-798-2509  
Livestock Sale Manager - Nelson Weaver 315-719-3459  
Barn Manager - Luke Amatuccio 607-434-8879  
Office - Day of Sale Only - 607-369-8231

Check us out on Facebook & [www.unadillalivestockcompany.com](http://www.unadillalivestockcompany.com)

## SEIZED / REPO VEHICLES & EQUIPMENT AUCTION PLUS: ALMOST NEW CONTRACTORS TOOLS, TRAILERS & MISC. ITEMS

Manasse Auction Yard, 12 Henry St. (Rt. 26S), Whitney Point, NY 13862

**Saturday, April 8, 2023 • 9:30AM**

**Including: (50) NYS Seized, Repo & Consigned Vehicles Of All Types - Selling @ 11:15 AM**

**Including:** '08 Ford F350 Super Duty, Turbo Dsl.; '09 Dodge 2500; '15 Kia Optima; '14 & '12 Dodge Gr. Caravans; '12 Ford Edge; '12 Nissan Juke; '13 Jeep Compass Latitude; '10 Subaru Outback; '09 Dodge Journey; '12 Cadillac SRX; '07 Pontiac Gr. Prix; '07 Toyota Tundra; Many Others; **Fishing Boat:** Starcraft, Fiberglass 16' Fishing Boat w/Yamaha 40 HP Eng, Outriggers, Nice Boat;

**Equipment, Trailers, Mowers, Temporary Buildings,**

**Storage Container, Stone & Outside Items, Starting @ 12:30 PM**

**Compact Tractors:** Cub Cadet Compact, 4 WD w/Loader, 25 HP; Enclosed Trailer: 20' Tandem Axle Enclosed Trailer w/Rear Drop Ramp; **Commercial Trucks:** '99 Sterling Cab & Chassis; '06 Ford E350, 12' Cube Van Truck; **New SSL Attachments Of All Types:** New Open Bottom, Hyd. Grapple Buckets; New Hyd. Brush Grapple Buckets; (2) New Rotary Mowers; New Post Auger Attach; New SSL Forks & Buckets Of All Types; **JD UTV's, Kubota RTV & Golf Carts:** (2) JD XUV550 UTV's, Gas w/ Roofs, Each Have 100 Hrs, Both Real Nice; Kubota RTV 900 w/Full Cab, Runs, Needs Engine Work; (4) Club Car, Gas Golf Carts w/Rear Seats; Club Car Elec. Golf Cart w/Rear Seat; **Zero Turn Mowers & Riding Mowers:** (10) JD & Cub Cadet Riding Mowers Of All Sizes & Types; **New 40' Storage Container w/5 Sets Of Double Doors; New Work Benches/Tool Boxes; New Temp. Storage Buildings Up To 40' x 80', 30' x 65' & Many 30' x 20'; New Tipper/Dumpsters; New Self-Contained Full Bathroom Building; New Chains & Binders;** (2) New Easy-Kleen Pressure Washers; (15) Pallets Of PA Palletized Stone, Many Different Varieties;

**Extra Special - Group Of Contractors Tools Of All Types & Group Of Retired Auto Dealers Shop All Kinds Of Equipment & Parts. From A Man In Business Over 5 Years - Selling @ 9:30 AM;**

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Through [www.Proxibid.com/manasse](http://www.Proxibid.com/manasse) Or <http://manasse.nextlot.com>

**Terms & Conditions:** Payment In Full Day Of Auction In Cash, Good Check Or Major Credit Card w/ Positive ID; 13% Buyers Premium w/ 3% Waived For Cash Or Good Check Payments. Nothing Removed Until Settled For. **ALL ITEMS SOLD AS-IS, WHERE-IS.** Titles Will Be Mailed Out Approx. 3-4 Business Days Following Auction For Cash / CC Payments & 8-9 Business Days After Auction For Check Payments. Announcements Made Day Of Auction Take Precedence Over Printed Material;

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## SUSQUEHANNA COUNTY 16TH ANNUAL SPRING CONSIGNMENT SALE Saturday - April 8, 2023 @ 8:30 AM

**Lopatofsky Auction LLC**

**6599 S.R. 374, Clifford Twp., PA 18470**

**Directions:** I-81 North exit 206. At stop sign, take right onto Rte. 374. Follow 374 approx. 5 miles to first Farm on left. I-81 South exit 211. At stop sign take right, go 600 ft to red light. At the light take a Left onto Rte. 106E for 4 miles. Left onto Rte. 374, first Farm on Left. \*\*\*EZ TO GET TO\*\*\*

**Construction/Tractor:** Bobcat E26 Mini Excavator, 2021 Takeuchi TB 370 Excavator 291Hrs, John Deere 5065E Cab Tractor w/ loader, John Deere 4052 m Tractor /Loader, Bobcat CT 2025, Mahindra Emax 20S Compact w/loader, 2020 Hitachi 2x135U Excavator, Case IH 95C Tractor w/loader, New Holland LS 170, John Deere 4230, Ford 3910 w/loader, New Holland TL80 Loader Tractor, Ford 7740 Cab Tractor w/ side mower, AC 190 XT, Bomag BW155 Roller, JLG 1930 Man Lift, JLG 25RTS Scissor Lift, CAT 304E CR Mini Excavator, Massey 50A Tractor w/loader, Cse 75XT Skid steer, Bobcat E26 Mini Excavator, CAT 416E Backhoe, JLG 2033E Lift, Volvo DD120 B, John Deere 450 Crawler Loader w/ripper, John Deere 310 SG Backhoe, Bobcat 331 excavator, Bobcat E 26 w/cab, Kubota B 75 w/mower, John Deere 3320 W/loader, John Deere 3520 w/cab/loader, Kubota L3560 w/loader, Kubota MX5200 Tractor w/ loader, Kubota L45 Backhoe, (10) Kubota B26 Tractor/loader/backhoe, **IH 1066 original w/1900hrs**, Kubota KX040-4 Excavator, CAT 305A Excavator, CAT 960M Wheel Loader, Bobcat T190 Skid Steer, CAT 257B3 Skid Steer, Bobcat T550 Skid Steer, Yanmar YT 235 Compact Tractor, International 574, John Deere 318 D Skid Steer, Bobcat T750 Track Skid Steer, Case SR130 Skid Steer, JD 2210 Compact Tractor w/cab/loader/belly mower, JD 2025 R w/loader, JD 2320 w/mower/loader, Dingo Walk Behind SS, Wacker Neuson SM SS, Bobcat E35 Excavator, Bobcat E45 Excavator, Massey Ferguson 1560, Massey Ferguson 2860E

**General Equipment:** New Holland 155 Manure Spreader, Farmco 8 Ton Running Gear, Massey Ferguson 33 Drill, Woods SGT80 Rototiller, Mchale 991 BC Wrapper (new), IH 4X Plow, Claas 470T Rake, NH 316 Baler, New Holland 790 Chopper w/corn head, White 2 Row Corn Planter, Sunflower 16' Disc/Chisel, Tanco 580 Wrapper, Kilbros Gravity Wagon, Busy Beaver Wood Chipper, Loftness 3pt Snow Blower, LandPride 1572 Seeder w/duel Seed, Hesston 5540 Round Baler, John Deere 535 Round Baler w/net, BIG Case 8575 Square Baler, Niemeyer 6 Star Tedder, Kuhn 4120 rotary Rake, New Idea Manure Spreader, New Holland 565 Baler, New Holland 316 Baler, **JD 350 Manure Spreader (like new)**, JD 1327 Discbine, John Deere 8300 Drill, IH 560 Manure Spreader, 20' Container, Wallenstein FX 40 Tree Winch

**NEW ITEMS:** MINI Excavator, Pro Series 12,000lb Loading Dock, 40' Storage Container w/5 doors, (3) 8' - 9' Storage containers, New Bathroom w/shower, Multiple Temporary Buildings all different sizes, New 20' entrance Gates, (10) New 10' Work Benches, **40'X30'X20 New Building, 30'X45'X15' New building, 20'X30'X12" New Building**, Skid Steer Fork, 60"-96" SS buckets, SS Grapple buckets all sizes, SS post hole digger, 20' Entrance Gates, Safty cones, 30 drawer work benches, SS Stump bcks, TMG SS trencher, 6' SS Brush Cutter, 3pt bale spear, SS bale Spear, SS rock buckets, SS Tires all sizes, 3pt Fertilizer Spreader, 8' Container with window, Mini Excavator brush cutter attachment, Welding Tables, Multiple 10' and 7' Tool Boxes, Delmarino Flail Mower, HLA Forks Del Mo rino 3pt Roto Tiller, Pallet Forks, AGT Water Pump w/gas engine, Walk thru Skid Steer Forks, Self-Tipping Dumpsters, SS rock Picker, Anvil, 20+ Skid Steer Tire Sets

**Vehicles/Trailer:** 07 Dodge 3500 Truck Dually Truck, 97 Ford Ranger Truck, (2019) Ford F250 Four Door Trucks and 1 2019 GMC 2500 four door right from a work fleet (NICE), Hudson 20Ton Trailer, 2011 Cam Sub-line Dump Trailer, 94 Ford F150 Truck, 94 GMC Top kick 7500 Dump Truck, 06 Keystone Outback Camper, 2012 Freightliner Truck Tractor, 2000 Ford Crown Vic Police Car, 86 Western Star Truck, 99 Eager Beaver Trailer, 99 Ford F 250, 02 Trail King Trailer, 67 Volkswagen, 2013 Ford 550 plow truck, 00 Mack Dump Truck, 2011 Jaguar XF, 2014 PJ Dump Trailer, 05 GMC C4500 Truck, 2014 Car Mate Trailer Gooseneck, 1998 Chevy Corvette

**Lawn & Garden/Landscape/Misc.:** 500+ Pallets of Blue Stone, Cultured Stone, Line Up of Ferris Z turnsm 2010 Polaris 800, Toro GT 2200 Mower, John Deere 340 Mower, JD 2013 Gator 855D 4 Seater, Toro Reel Master 6700D, JD X475 Mower, Grasshopper 329 Zero Turn, Toro LX 427 mower, Arctic Cat Wildcat UTV, Big Steel Grates, Onan Generator, JOHN DEERE 600 UTV, Kubota RTV 1100, Kubota RTV 900 w/plow, 02 Kawasaki 330 Quad, Polaris 900, Hustler Super Z Mower, **Mow bark M12R Wood Chipper**, Bovine Breeding and Vet Supplies,

Call for Free Nation Wide Advertising - 570-445-0424

Equipment accepted until April 6 at 10AM, Open Monday thru Friday 8 AM to 5 PM (No Sundays).  
Selling with 3 auctioneers at the same time all day. Come early and bring a friend. Don't be late

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Can't make to the Sale go to [proxibid.com](http://proxibid.com)  
or [equipmentfacts.com](http://equipmentfacts.com) for online bidding!!





## Oxford from B8

is proud to announce Megan and Clayton Kappauf as recipients of the 2023 National Excellence in Teaching About Agriculture Award. The Kappaufs have created an environment where students are actively engaged in authentic and hands-on learning through integrating agriculture and are deserving of this recognition.

Clayton and Megan Kappauf, a husband-and-wife team who teach at Oxford Academy and Central School Dis-

trict-Primary School in Oxford, NY, have found creative ways to bring their passion for gardening, food production and food processing into their classrooms. With the use of equipment such as high tunnels, dehydrators and aeroponic grow systems, students are exposed to a variety of different fresh vegetables, fruits and herbs.

This dynamic duo truly believes if you do what you love you never really work a day in your life. They meet each

day with a smile and an eagerness to share with others of the importance of agriculture.

"National Agriculture in the Classroom is honored to recognize and celebrate these talented teachers for their innovative approach to teaching core academic concepts through the lens of food and agriculture," said Katie Carpenter, president of NAITCO and director of NYAITC. "Their effort to provide authentic learning experiences for their students is critical to creating an agriculturally literate generation who understands and appreciates the source and value of agriculture in their daily lives."

To honor their excellence in teaching through agriculture, Megan and Clayton Kappauf will receive an expense-paid professional learning experience to the NAITC Conference in Orlando. The opportunity will allow them the chance to meet and learn from educators across the country and become exposed to even more classroom resources and tools to teach through and about agriculture. They will be recognized on the national stage on June 28 during an awards program.

For more information about the NYAITC Teacher of the Year program, visit [agclassroom.org/ny](http://agclassroom.org/ny). NYAITC is an outreach program of Cornell University. Working with classroom teachers, volunteers and ag stakeholders throughout the state, the program fosters an awareness, understanding and appreciation of our food and fiber system.

# ANNUAL SPRING AUCTION ANTIQUE MACHINERY AND TRACTORS REGULAR FARM TRACTORS LAWN AND GARDEN MOWERS

## Monday, April 10, 2023 @ 9 AM

**LOCATION: Yoder & Frey Auction Yard • 3649 Co Rd 24, Archbold, OH 43502**

### ANTIQUE & COLLECTABLE TRACTORS

Ford - '52 8N; 861 pwr master; 8N w/ ldr & wheel wts, 2x 3pt plow; Allis Chalmers - D17 dsl; G; 2 - AC WD 45's w.f. w/ AC 2x planter, AC Drill, AC Rotary hoe, AC disk; Big 10 Lawn Tractor w/ blade restored; International - Cub w/ side mtd sickle mower; 140 w/ cultv's restored; Super C w/ cultvs; IH 706 dsl W.F. 3pt; 656 gas hydro o.h; IH 806 dsl NF; H w/ fenders & pulley; John Deere - JD 4010 dsl WF; JD 4520 dsl cab; JD 4400 dsl Combine w/ JD 216 grain head; Case - VAL; Oliver 66 row crop; 77 row crop; 88 dsl W.F. Row crop; 1650 dsl W.F. fenders, cab; 1800 gas w.f.; Massey Ferguson - 65 gas 3pt; Silver King '37 R 38 not running mtr loose M-Moline '53 BF 3pt hyds not running mtr loose

### REGULAR TRACTORS

JD 7230 MFWD w/ JD 740 ldr; JD 4455 Dsl 2WD; 2 - JD 4440's; JD 2750 w/ Ldr, Cab; '82 JD 4640; JD 8640 4 WD Duals 3pt pto; JD 2040 Dsl; JD 2130 Dsl; JD 301B gas 3pt; JD 1520 Gas w/ ldr; Ford 6600 dsl cab; AC 200 Cab 3pt; Case 2290 Cab; 3- IH 1086's; AG Co Allis 5670; Ford 445D w/ 3pt; IH 986 C&A; IH 574 gas; AC 180 dsl;

### ANTIQUE FARM MACHINERY

JD 2x pull plow, White 253 - 14' plow; JD 350 Manure Spdr, pto; 16' harogator; NI 214 Single Axle Spdr; 1x 3pt subsoiler; 2 section spring tooth; JD 3pt 2x plow; JD 3pt 3x plow; Ford 3pt 3x plow; JD F145 4x plow; JD1000 pull field Cultv w/ drag; Kewanee 10' mulcher; 2- Packer pups 3'; JD 68 auger cart; NH456 pull 7' sickle mower; NH 258 Hay Rake; Case 450 3x 3pt Toggle trip plow; IH510 Drill 16x w/ seeder; IH370 Disk 13' black gang; 2 section spike drag; 2- KB350 Wagon; KB350 Wagon box; Brillion 12' packer; Landpride 5' 3pt Finish Mower; Dearborn 2x plow 3pt; 3pt Double cyl hitch - off Farmall M; 3pt Cultv 2x; JD 54 Blade 3pt 7'; McCormick Double Packer 7'; Oliver 520 sq baler; 4 section spring tooth; JD 963 running gear; IH 550 manure sprdr, pto; IH 2x 2pt plow; IH 9' wheel disk, IH 2pt 3x plow; IH vs pull 8' field cultv; JD 7000 4x liquid planter; JD 7000 4x dry planter; JD disk plow; walk behind plow; Dunham 12' mulcher; IH 37 10' wheel disk; fanning mills; AC slip scoop; Ac 6' Rear Blade; IH 4x pull plow; JD 350 Sickle Mower 3pt 9'; Ford Sq Baler; 3pt sprayer; JD # 5 Sickle Mower; 1x 1pt plow; Tires, wts, cyl's; etc; Large Koolmotor oil/ Wauseon; Billboard 2 pc's; several toys mixed in auction

### CONSTRUCTION EQ

Long 1199 3pt Back Hoe Unit; Case 480E w/ broom & cab; Cat 426 TLB 2WD OROPS; JD 310D TLB 4x4 Cab 5019 hrs; JD 410B TLB 2wd Cab 6494 hrs; Case 580 Super L 4x4 TLB OROPS; Ford 4500 dsl TLB 3300 hrs; 2- Bobcat 371's Skid Steer; Bobcat 7753 dsl Skid Steer; bobcat 322 Dsl Mini Excavator w/ 1908 hrs, 3 buckets; Case 310 Crawler ldr dsl; Case 1845C Dsl Skid Steer

### FARMER RETIREMENT AUCTION

#### SOLD MONDAY AFTER ANTIQUE MACHINERY ROWS

#### Dorothy Hurst -Defiance OH

Oliver 88; Oliver bucket 770; 1555 Cockshutt; 1655 Oliver dsl; 1755 Oliver dsl; 1855 Oliver dsl; White 2-155 dsl C&A 3pt duals; Oliver 770; Kubota LA211 w/ tiller, ldr; Kubota LA211 lawn mower - non running; John Deere JD300-B; NH 273 sq baler w/bale launcher; White 8900 combine w/ gr hd & corn hd; 1991 Camper; yellow air compressor; blue silage bagger; elevator; green hopper wagon; 2 bale kicker wagons; JD cutting bar; cow trailer; 6 row cultivator; manure spreader; 3 air compressors; grater blades; tractor weights; tire changer; 2 fuel tanks; 2 bottom plow; 2000 GMs/Sierra 1500 odometer broke -over 200,000 miles; Green Truck; Triple K Kongslidde cultivator; Soil Pulverizer to smooth; White 5 bottom plow; multiple White planters; JD planter-splitter; , corn header; NH chopper; auger; Feed Wagon; 3 White tractor engines; White 445 Chisel Plow; Power Press; Generator; 4 tool boxes; Lots of Tools; spot lights; wire welder; boat trailer; snowmobile trailer; 22' flat equipment trailer, 2' dove tale/pintel hitch

### ANNUAL LAWN & GARDEN AUCTION - MONDAY 5 PM

#### Featured Lawn Mowers

JD 5x85 rear eng rider; Snapper 5 RM-140 rear eng rider; JD 826 Walk behind snow blower; JD X300 Rider w/ front blade; EX Mark Lazer Zero Turn; Bad Boy Zero Turn 27HP w/ 60" deck; JD L100 Riding Mower; JD 657A Commercial Stand on; JD 345 Rider w/ pwr steering; JD Z425 Zero Turn; Cub Cadet 3206 Rider; ExMark Lazer Zero Turn w/ 60' Deck; JD L120 Rider; JD 425 Rider; Pull Sprayer; JD X495 rider; JD 1070 dsl 2wd Compact w/ 3pt mower; EX Mark Staris stand on Commercial; JD F145 Front Mtd Mower & blade; JD GX 325 Rider; EX Mark Zero Turn w/ bagger; JD 445 Rider; Kubota Bx2200 4x4 w/3pt; Gravely Rapid Zero Turn w/ 60" deck & snowblower; Kubota F2400 4x4 Dsl Front Mtd mower; Poulan Pro Rider; Grasshopper 620 Zero Turn; Cub Cadet Tracker 4x4 RTV; JD 955 Dsl 4x4 w/ mower; JD 300; Many Cub Cadets from Harry Ladd's Estate Running & Not Running view online.

**Note:** This is only a partial list of items being sold Monday April 10th. Much more will be added to the auction. Internet bidding available. Trucking Available!

### TUESDAY

Reg Consignment Auction, Absolute Rows w/ Farmer Closeout

#### Robert Rohlf - Archbold OH

IH 1086 dsl Duals 7622 hrs; Woods 214 Rotary Cutter; JD 7000 Planter 6x Dry No Till; Case IH 5100 Drill 18x; KB 300 Wagon w/ Auger; 2- Brillion 16' Packers; 2 - 3' Packer pups; IH 18' DT pull field Cultivator w/ baskets; IH 475 Disk 16'; Landoll 7x soil saver; IH 700 5 x 16 plow toggle;

#### Fulton Co Commissioner's

JD 5400 Dsl 2wd Pto wheel wts, 5108 hrs; Erskine 840 FM Snow blower Front MTD (off JD 5400)



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**Corn, Alfalfa & Grass Seeds**

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## T&P SALES and SERVICE & Richardson Farms

**Buddy Richardson • (315) 829-8000**

## Hay & Straw Auction

**Wed., April 12th at 10AM**

**50 Bales 2nd Cutting Round Bales**

**1st Cutting Small Squares**

**Round Bales**

**Consignments Welcome**

**Mohawk Valley Produce Auction**

**840 Fordsbush Rd., Fort Plain, NY 13339**

**518-560-1979**

**Fred R. Bell *and* Son**  
**Hay, Cattle *and* Auction Service**  
Bainbridge, NY 13733

**HUGE FARM MACHINERY SALE**  
**SAT., APRIL 15 AT 10 AM**

Afton, NY

### FARMERS • PARTS GUYS • SCRAPPERS

JD 4240, JD 4030, Ford 8000, Case 1070, Case 870, Case 1370, Case 580L 4x4 Extendahoe, IH TD9 dozer, Cat D8. Lots of Parts Equipment, Lots of Scrap & Lots of Silage Dump Trucks.

**FRED R BELL 607-343-0173**

**Watch Next Weeks Ad  
for Further Listing**



WEEKLY MARKET REPORT

ABBREVIATION KEY

# -	Pound	Pr -	Prime	HY -	High Yielding
Ea -	Each	Gd -	Good	ld(s) -	Load(s)
Hfr -	Heifer	Std -	Standard	cwt -	Per 100 Weight
Hols -	Holstein	Sel -	Select	pc -	piece
Util -	Utility	No -	Number	XL -	Extra Large
Bu -	Bushel	/hd -	per head	L -	Large
Qt -	Quart	/pr -	per pair	M -	Medium
Pt -	Pint	Mkt -	Market	S -	Small
Dz -	Dozen	Avg -	Average		
Ch -	Choice	YG -	Yield Grade		
				Prices are listed low & high.	

ADDISON COUNTY  
COMMISSION SALES INC.  
Middlebury, VT  
March 23 & 27, 2023

Beef & Dairy Cattle for Slaughter:  
Canners: .77-.87.  
Cutters: .74-.90.  
Boner (1): .76-1.  
White Cows: .88-1.08.  
Lo Dress: .54-.75.  
Holstein Heifers: .75-1.35.  
Feeder Cattle, Beef & Beef Crosses: .75-1.40.  
Farm CFS Holstein #1: .65-2.10.  
Black CFS 1.50-3.30.  
Call For Same Day Market.  
Sales every Monday & Thursday.  
SOURCE: ADDISON COUNTY COMMISSION SALES INC.

CAMBRIDGE VALLEY  
LIVESTOCK MARKET  
Cambridge, NY  
March 21, 2023

Dairy Cows for Slaughter: Util/Boners 86-1.15; Cutters 74-85; Canners 10-73; Maiden Heifers 90-1.34.  
Top Beef Cow: 4489 NY 1085#@ 1.15 1247.75; 4292 NY 1675#@ 1.11 1859.25; 4759 NY 1445#@ 1.07 1546.15; 1015 VT 1905#@ 1.06 2019.30; 8437 VT 1505#@ 1.06 1595.30; 4757 NY 1305#@ 1.06 1431; 4484 NY 1760#@ 1.05 1848; 4306 NY 1745#@ 1.04 1814.80; 4307 NY 1675#@ 1.03 1725.25; 4704 NY 1660#@ 1.03 1709.80.  
Calf Market: 95# and Up 35-3.10; 85-95# 30-2.95.  
Beef Calves: 70-4.60.  
Slaughter Calves: Bobs 95-110# 10-25; 85-95# 5-20; 60-80# 5-18.  
Top Calves: 4273 NY 83# 4.60 381.80; 63 VT 82#@ 4.45 364.90; 653 NY 86#@ 4.40 378.40; 3934 CT 87#@ 4.35 378.45; 507 VT 92#@ 4.30 395.60; 525 NY 90#@ 4.30 387; 86 NY 96#@ 4.20 403.20; 286 NY 99#@ 4.15 410.85; 506 VT 94#@ 4.15 390.10; 80 NY 104#@ 4.10 426.40.  
Bulls: 1000-1200# 98; 1201-1400# 1.20-1.32.5; 1401-1600# 1.13-1.16; 1601-1800# 1.17-1.34; 1801-2000# 1.28-1.31.  
Feeders: 100-200# 80-185; 200-300# 1.30-2; 400-500# 1.15-1.85; 500-600# 1.21-1.28; 600-700# 1.30-1.62; 700-800# 1.50-1.62; 800-900# 88-1.52.  
Steers: 800-1000# 86-1.23; 1201-1300# 1.19.  
Goats: Kids 35-45. Nannies 115-130. S Billis 85-105. Billies 150. Wethers 50-350.  
Sheep: Lambs 40-50# 2.25-3.50; 50-60# 2.10-3.40; 65-70# 2.50-3.05. Ewes 115-200. Rams 220.  
SOURCE: CAMBRIDGE VALLEY LIVESTOCK

CANANDAIGUA STOCKYARDS  
Canandaigua, NY  
March 22, 2023

Dairy Cows For Slaughter: Bone Utility 78-105; Canners & Cutters 60-82.

Dairy Bulls For Slaughter 110-120.  
Slaughter Calves 5-25.  
Dairy Calves Returned 30-230.  
Beef Steers: Ch (grain fed) 148-169; Sel 118-140.  
Holstein Steers: Ch (grain fed) 128-142; Sel 110-125.  
Market Lambs: 140-275.  
Slaughter Sheep: 45-135.  
Goats/per hd: 85-460.  
Easter Lambs: 240-335.  
SOURCE: CANANDAIGUA STOCKYARDS

FLAME STOCKYARD  
Littleton, MA  
March 28, 2023

Canners .40-.80; Cutters .75-.90; Utility .90-1.05; Bulls 1-1.05; Steers 1.20-1.40; Heifers 1-1.25.  
Calves: Growers 1.80-2.70; Veal 1.10-1.35; Other 2.50-3.85.  
Hogs: Market .80-.85/ea; Sows .60.  
Goats: Billies 200-350/ea; Kids 70-250/ea.  
Sheep .50-1.10; Lambs 2.10-3.50.  
SOURCE: FLAME STOCKYARD

GOOD'S BUYING STATION  
Waterloo, NY  
March 23-27, 2023

Baby Calves:  
#1 Grower Calves: 92-127# 230-260 Holstein; 92-131# 270-365 Angus Cross.  
#2-#3 Grower Calves: 80-91# 180-230 Holstein; 77-90# 270-365 Angus Cross; 70-74# 10-110.  
Holstein Heifers: 85-105# 70-80.  
Bob Calves: 57-95# .05-.10.  
SOURCE: GOOD'S BUYING STATION

GREENCASTLE LIVESTOCK AUCTION  
Greencastle, PA  
March 21, 2023

Feeder Cattle:  
Steers: M&L 1 596# 160; 808# 160; 982# 165. M&L 2 272# 160; 450-474# 175-180.  
Dairy Steers: L 3 132# 120; 158-194# 150-157.50; 208-234# 125-160; 482# 91; 546# 115; 598# 120; 858# 125.  
Heifers: M&L 1 204# 187.50; 318-330# 142.50-155; 659# 162.50; 837# 152.50. M&L 2 376# 140; 447# 157.50; 578# 137.50. M 1 814# 165. M 2 302# 125.  
Bulls: M&L 1 378# 200; 406# 200; 458# 167.50; 540-546# 190-200; 570# 165; 612# 170. M&L 2 379# 126; 416# 130. M 2 390# 140.  
Slaughter Cattle:  
Steers: Ch & Pr 2-3 1298-1702# 160-170. Ch 2-3 1-1796# 149-163. Sel 2-3 1120-1432# 110-144.  
Dairy Steers: Ch & Pr 2-3 1238-1500# 138-144. Ch 2-3 1126-1760# 120-138. Sel 2-3 1062-1234# 108-120.  
Heifers: Ch & Pr 2-3 1296-1610# 159-161. Ch 2-3 1136-1676# 143-159. Sel 2-3 1204-1366# 130-141.

Cows: Premium White 65-75% 1678-1958# 100-104. Breaker 75-80% 1352-1914# 84-96; 1538-1654# 98-100 Hi. Boner 80-85% 1282-1358# 74-89; 1258-1426# 95-104 Hi. Lean 95-90% 1200-1224# 59-67; 766-850# 44-49 Lo; 1294# 31 Lo Hvy Wt.  
Bulls: 1 1386-1484# 107-114; 1872# 121 Hi. 2-3 1210-2328# 93-120; 1414# 71 Lo.  
Dairy Heifers: Ch 2-3 1164-1270# 115-126. Sel 2-3 1190-1574# 80-110.  
Feeder Dairy Calves:  
Bulls: No 1 74# 290; 86# 275-295; 90-98# 250-320; 90-96# 400-450 Beef Cross; 100-108# 270-325; 102-104# 445-460 Beef Cross; 112# 395 Beef Cross; 320# 320. No 2 74# 250; 86# 200; 94-98# 200-230; 100-106# 230-265; 110# 260. No 3 74# 120; 90-92# 80-180; 106# 195.  
Heifers: No 1 86# 130; 94-96# 350-395 Beef Cross; 106-108# 350-360 Beef Cross; 114# 125; 116# 380 Beef Cross. No 2 80# 80.  
SOURCE: USDA AMS LIVESTOCK, POULTRY & GRAIN MARKET NEWS, PA DEPT OF AG MARKET NEWS, NEW HOLLAND, PA

HOSKING SALES  
New Berlin, NY  
March 27, 2023

Cattle: Dairy Cows for Slaughter .75; Bone Utility .70-1.09; Canners & Cutters .75-.72; Easy Cows .70 & down.  
Beef Breed Cows 1.05-1.10.  
Organic Cull Dairy .94-1.04.  
Grassfed Organic Cull Dairy .64-.94.  
Bulls: Bulls & Steers 1.01-1.15; Dairy Feeders .82-.99; Feeder Bulls 1.07; Feeder Heifer 1.43-1.69; Feeder Steer 1.51-1.69..  
Calves: Bull calves 3.50 top 4.20; Heifer calves .65 top 3.70.  
Lambs 48-80# 2.10-3.05.  
Cull Sheep .95-1.20.  
We are a certified organic market agency. Call 607-847-8800 for more information.  
SOURCE: HOSKING SALES

MIDDLEBURG LIVESTOCK AUCTION  
Middleburg, PA  
March 28, 2023

Feeder Cattle:  
Steers: M&L 1 475# 175; 535# 165; 640# 170; 990# 120. M&L 2 760-770# 135-152; 815# 122.  
Dairy Steers: L 3 405# 112; 620# 110; 760# 107.  
Heifers: M&L 1 525-535# 127-140; 570# 132; 655# 132; 895# 107. M&L 2 130# 120; 195# 170; 230# 165; 290# 115; 365# 120; 470-475# 100-115; 500# 60; 570# 87; 600# 105; 760# 82.  
Bulls: M&L 1 405# 172; 515# 157; 555-565# 140-152; 885# 120; 955# 117. M&L 2 305# 140; 415# 137; 450# 110; 575# 100; 610-643# 125-140; 1110# 112-122. L 2 1180# 120. L 3 130-135# 35-90; 315# 140; 975# 110.  
Dairy Heifers: L 3 650# 112; 1052# 107.  
Slaughter Cattle:  
Steers: Ch & Pr 2-3 1340-2045# 159-167. Ch 2-3 1300-1860# 151-163. Sel 2-3 1130-1560# 133-152.  
Dairy Steers: Ch & Pr 2-3 1590-1595# 142-145. Ch 2-3 1285-1340# 125-130. Sel 2-3 1180-1580# 90-108.  
Heifers: Ch & Pr 2-3 1205-1595# 156-165.50. Ch 2-3 1155-1585# 147-159. Sel 2-3 1020-1480# 102-143.  
Cows: Pr Wh 65-75% 1375-1805# 94-98. Breaker 75-80% 1170-1770# 78-89; 1480-1825# 85-93 Hi. Boner 80-85% 1205-1715# 72-82; 1470-1655# 84-90 Hi. Lean 85-90% 975-1510# 56-72; 920-

1460# 72-81 Hi; 715-1420# 32-60 Lo.  
Bulls: 2-3 1350-2305# 90-115; 1665-2045# 118-123 Hi.  
Dairy Heifers: Ch & Pr 2-3 1440-1525# 128-134. Ch 2-3 1195-1425# 112-122; Sel 2-3 1370-1550# 97-121.  
Feeder Dairy Calves:  
Bulls: No 1 80-85# 260-275; 85# 480 Beef Cross; 85# 350 Crossbred; 90-95# 235-325; 90-95# 350-500 Beef Cross; 90# 180 Crossbred; 100-105# 240-315; 100-105# 390-460 Beef Cross; 100# 440 Crossbred; 110-115# 280-305; 110# 265 Crossbred; 120-125# 285; 120# 390 Beef Cross; 130# 350 Crossbred. No 2 75# 190-255; 90-95# 175-300; 100# 225-300; 120# 235-285. No 3 70-75# 60-190; 80# 240; 90-95# 125-220; 100# 170-220; 115# 140. Utility 65# 10; 65# 80 Jersey; 70-75# 10-15.  
Heifers: No 1 85# 490 Beef Cross; 90-95# 385-480 Beef Cross; 100# 420 Beef Cross; 110# 160; 115# 415 Beef Cross.  
SOURCE: USDA AMS LIVESTOCK, POULTRY & GRAIN MARKET NEWS, PA DEPT. OF AG MARKET NEWS, NEW HOLLAND, PA

NEW HOLLAND LIVESTOCK  
CATTLE AUCTION  
New Holland, PA  
March 27, 2023

Slaughter Cattle:  
Steers: Ch & Pr 3-4 1504-1785# 163-172 Non-Traditional; 1505-1595# 172-178 Hi Non-Traditional; 1650-1710# 160-164 Lo Non-Traditional. Ch 2-3 1370-1558# 157-163; 1340-1800# 152-165 Non-Traditional. Sel 2-3 1370-1770# 135-150 Non-Traditional.  
Dairy Steers: Ch 2-3 1505-1725# 125-135; 1530# 129 Non-Traditional; 1413-1585# 118-123 Lo. Sel 2-3 1375# 114; 1205# 107 Non-Traditional; 1395# 123 Hi.  
Cows: Breaker 75-80% 1405-1875# 82-93; 1430-2210# 92-105 Hi; 1555-1890# 70-82 Lo. Boner 80-85% 1040-1555# 75-84; 1085-1550# 84-96 Hi; 1090-1405# 71-75 Lo. Lean 85-90% 930-1480# 66-73; 855-1635# 74-97 Hi; 820-1295# 52-63 Lo; 1175-1550# 30-47 Very Lo.  
Bulls: 1 930-1640# 113-125 Non-Traditional; 1125-2145# 118-145 Hi Non-Traditional; 700-785# 120-130 Lo Light Weight; 1005-1375# 104-112 Lo Non-Traditional. 1-2 980-1485# 113-120 Non-Traditional; 1055-1985# 119-127 Hi Non-Traditional; 1035-1860# 91-111 Lo Non-Traditional. 2 1610-2305# 112-119 Non-Traditional.  
Dairy Heifers: Ch 2-3 1610-1635# 125-128; 1455# 127.50 Non-Traditional. Sel 2-3 900-1145# 94-103 Non-Traditional; 1120# 115 Hi Non-Traditional.  
Feeder Dairy Calves:  
Bulls: No 1 80-85# 270-305; 80-85# 425-500 Beef Cross; 90-95# 270-310; 90-95# 440-490 Beef Cross; 100-105# 250-310; 100-105# 390-475 Beef Cross; 110-115# 270-305; 110-115# 390-440 Beef Cross; 120-125# 260-285; 120-125# 360-400 Beef Cross; 130# 250-265; 130# 350-375 Beef Cross. No 2 65# 200; 70# 225; 75# 285 Beef Cross; 80-85# 235-275; 85# 360 Beef Cross; 90-95# 240-280; 90-95# 300-395 Beef Cross; 100-105# 245-285; 105# 325-350 Beef Cross; 110-115# 240-285; 110# 350 Beef Cross; 120-125# 240-275; 130# 225. No 3 65# 50; 65# 50 Jersey; 70# 65; 70-75# 210-225 Beef Cross; 75# 20-25 Jersey; 80-85# 135-210; 85# 250 Beef Cross; 85# 25 Jersey; 90-95# 160-230; 93-95# 25-50 Jersey; 100-105# 225-235; 100# 200 Beef Cross; 100-105# 25-50 Jersey; 110# 200-210; 120# 110; 130-135# 110-150; 135# 190 Beef Cross; 170# 125



WEEKLY MARKET REPORT

Beef Cross. Utility 65# 15; 75# 35-50; 85# 10-20; 100-105# 25-150; 110# 130.  
Heifers: No 1 80# 180; 90-95# 110-170; 100-105# 100-170; 115# 150. No 2 70# 50; 80-85# 25-65; 90-95# 30-85; 120# 100 Jersey. Utility 55# 10; 80# 5; 100# 5-25.  
SOURCE: USDA AMS LIVESTOCK, POULTRY & GRAIN MARKET NEWS, PA DEPT. OF AG MARKET NEWS, NEW HOLLAND, PA

**NNY FARMERS MARKETING  
CO-OP INC.  
Lowville, NY  
March 23, 2023**

Good Cows: .85-1.10.  
Lean Cows: .76-.92.  
Slow Cows: .70 back.  
Growers: 96-108#: 2-2.85; 88-92#: 1.70-2.40; 110-130# 1.90-2.60.  
Green Calves: 1.00 back.  
Heifers: .60 back.  
Bulls (Hi Dress): 1.10-1.15.  
Beef X Calves (Bulls): 3.50-4.45.  
Beef X Calves (Heifers): 3.20-4.10.  
Dairy Feeders: .99-1.16.  
Dairy Fats: 2 @ 155.5.  
SOURCE: NNY FARMERS MARKETING CO-OP INC.

**NNY FARMERS MARKETING  
CO-OP INC.  
Lowville, NY  
March 27, 2023**

Good Cows: .84-1.04.  
Lean Cows: .67-.88.  
Slow Cows: .65 back.  
Growers: 96-108#: 2-3.10; 88-92# 2.10-2.80; 110-130# 2.20-3.  
Green Calves: 1.40 back.  
Bulls (Hi Dress): 1-1.09.  
Bulls (Lo Dress): .92-.97.  
Beef X Calves (Bulls): 3.50-4.60.  
Beef X Calves (Heifers): 3-3.90.  
Dairy Feeders: .92-1.10.  
Dairy Fats: 1.35-1.45.5.  
Beef Fats: 1.50-1.59.5.  
SOURCE: NNY FARMERS MARKETING CO-OP INC.

**NORTHAMPTON COOPERATIVE AUCTION  
Whately, MA  
March 28, 2023**

Calves: 10-60/cwt.  
Growers: 63-400/cwt.  
Heifers: 84-100/cwt.  
Feeders: 35-115/cwt.  
Steers: 144/cwt.  
Bulls: 85-114/cwt.  
Canners: 30-74/cwt.  
Cutters: 75.50-88/cwt.  
Utility: 89-97/cwt.  
Sows: 25-46/cwt.  
Hogs: 15-81/cwt.  
Fdr. Pigs: 77-84/ea.  
Lambs: 90-395/cwt.  
Sheep: 30-135/cwt.  
Goats: 33-370/ea.  
Poultry: 4-22/ea.  
Eggs: (218 dz) 2.50-4/dz; Goose 8-25/dz; Duck 2-2.50/dz.  
Rabbits: 7-14/ea.  
Hay: (1 lot) 5/bale.  
SOURCE: NORTHAMPTON COOPERATIVE AUCTION

**PENNSYLVANIA AG MARKET NEWS  
March 29, 2023**

Steers: HC & Pr 159.50-168.50; Ch 150-163; Sel 121.50-148.  
Holstein Steers: HC & Pr 140-144.50; Ch 122.50-134; Sel 99-114.  
Heifers: HC & Pr 157.50-163.25; Ch 145-134; Sel 116-142.  
Cows: Pr White Under 80% 100-104. Breakers 75-80% Lean 83.33-94.50. Boners 80-85% Lean 74.67-87.67. Lean 85-90% 62-72.33.  
Bulls: YG 1 98.50-114.50.  
Holstein Calves: No 1 Bulls 95-120# 251.67-320; 75-90# 242.50-322.50. No 2 Bulls 95-120# 213.33-288.33; 75-90# 237.50-300. No 3 Bulls 85-120# 151.67-233.33. No 1 Heifers 80-120# 130-135. No 2 Heifers 70-120# 80-110.  
Hogs: Barrows & Gilts 52-56% lean 55-76; 48-52% lean 40-64. Sows 300-500# 40-51; 500-700# 42-52.  
Lambs: Ch 40-60# 195-255; 60-80# 175-265; 80-100# 135-267.50.  
Sheep: Gd 120-160# 90-117.50.  
Goats: Sel 1 Kids 40-60# 102.50-220. Sel 2 Kids 40-60# 67.50-150. Sel 1 Nannies 80-130# 225-197.50. Sel 1 Billies 100-150# 175-285.  
\* low and high prices are averaged from previous day reported sales  
SOURCE: AG MARKET NEWS LLC

**PENNSYLVANIA WEEKLY  
LIVESTOCK SUMMARY  
March 24, 2023**

Slaughter Cattle:  
Steers: Hi Ch & Pr 2-3 162.60-172.40. Ch 2-3 152.20-162.10. Sel 2-3 135-147.  
Holstein Steers: Hi Ch & Pr 2-3 134.88-143. Ch 2-3 126.20-131.60. Sel 2-3 110.75-122.75.  
Heifers: Hi Ch & Pr 2-3 153.75-165.38. Ch 2-3 144.75-156.75. Sel 2-3 113-131.75.  
Cows: Breaker 75-80% Lean 84-93.86. Boner 80-85% Lean 75-87.29. Lean 85-90% Lean 62.86-74.57.  
Bulls: Avg Dress 103.71-119.71.  
Feeder Cattle: Steers: M&L 1 250-300# 240-295; 301-350# 230-240; 351-400# 183-230; 401-450# 170-183; 451-500# 170-195; 501-550# 180-200; 551-600# 180; 601-650# 165-175; 651-700# 15-165. M&L 2 250-300# 160-167; 301-350# 160-200; 351-400# 155-160; 401-450# 130-135; 451-500# 182-185. Holstein Steers: L 3 301-350# 107-127; 351-400# 107-127; 401-450# 107; 451-500# 107; 501-550# 107. Heifers: M&L 1 301-350# 195-265; 351-400# 155-165; 401-450# 145-190; 451-500# 157-175; 501-550# 145-165; 551-600# 145-165; 601-650# 140-165. M&L 2 301-350# 120-145; 351-400# 150-170; 401-450# 145-175; 451-500# 145-160; 501-550# 135-165; 551-600# 135-162; 601-650# 105-140; 651-700# 130-155; 701-750# 105-147. Bulls: M&L 1 250-300# 230-295; 301-350# 230-240; 351-400# 182-230; 401-450# 175-195; 451-500# 175-195; 501-550# 180-200; 551-600# 145-180; 601-650# 125-155. M&L 2 301-350# 160-200; 351-400# 155-160; 401-450# 135-190; 451-500# 162-185; 501-550# 132-165; 551-600# 132-155.  
Farm Calves:  
No 1 Holstein Bull: 95-120# 241.67-291.67; 70-90# 237.50-292.50.  
No 2 Holstein Bull: 95-120# 205-253.33; 70-90# 194.17-241.67.  
No 3 Holstein Bull: 80-120# 87.50-184.17.  
Utility: 50-120# 12.50-35.83.  
No 1 Holstein Heifer: 80-120# 92.50-111.67.  
No. 2 Holstein Heifer: 70-120# 31.25-43.75.

Beef Type: 70-120# 405-480.  
Slaughter Hogs:  
Barrows & Gilts: 52-56% Lean 200-400# 55-72.50; 48-52% Lean 200-400# 55-61.  
Sows: US 1-3 300-500# 41-51; 500-700# 49.50-59.  
Boars: 300-500# 22.50-41.50.  
Lambs: Ch 2-3 40-60# 303.33-345; 60-80# 260-326.67; 80-100# 238.33-280; 100-120# 210-245.  
Sheep: Gd 2-3 80-130# 95-125; 130-200# 80-96.67. Utility 1-2 80-130# 72.50-87.50; 130-200# 72.50-87.50.  
Goats:  
Kids: Sel 1 20-40# 80-120; 40-60# 131.67-205; 60-80# 206.67-236.67; 80-100# 200-227.50. Sel 2 20-40# 52.50-77.50; 40-60# 148.33-193.33; 60-80# 156.67-190; 80-100# 210-240.  
Nannies: Sel 1 80-130# 181.67-260; 130-200# 237.50-322.50. Sel 2 80-130# 131.67-163.33; 130-200# 127.50-180.  
Billies: Sel 1 100-150# 243.33-331.67; 150-250# 336.67-443.33. Sel 2 100-150# 225-250; 150-250# 270-350. Sel 3 100-150# 250-380.  
Wethers: Sel 1 100-150# 290-350; 150-250# 168.  
SOURCE: AG MARKET NEWS LLC

**SEYMOURS COMMISSION SALE  
DeKalb Junction, NY  
March 23, 2023**

Calves/Lb: Heifer .65-.80; Grower Over 92# 2.20-3.10; Grower 80-92# .40-2.35; Bob Calves .02-.66; Beef Type Calves 1.50-4.20.  
Cull Cows/Lb: Gd .80-1.03; Lean .55-.86; Heavy Beef Bulls .89-1.24.  
Dairy Replacements: Beef Replacement .91-1.08; Dairy Cows 1200-1400/hd; Springing/Handling Heifers 800-1150/hd.  
Swine: Hog .42-.60; Boar .02.  
Beef: Feeders 1.10-1.50; Sel 1.12-1.20; Holstein (Ch) .95.  
Goats: 30-175/hd.  
SOURCE: SEYMOUR'S COMMISSION SALE

EMPIRE

Livestock LLC

Vernon

11 Ruth Street Vernon, NY 13476

Spring Machinery Consignment Sale

Saturday, April 8, 2023 • Sale Time: 9 AM

New Holland 1475 haybine, 1997 CF8 Ford diesel dump truck, Chevy 3500 dump truck, New Holland 269 baler, rotary mower, Gehl 865 chopper w/ hay and corn heads, Hesston 5500 baler, New Idea rake, John Deere 2040 diesel tractor, Great Bend loader (fits Farmall 656,666,686), IH 56 4 row corn planter, IH 5100 grain drill (soybean special), 1993 Chevy Kodiak (64,200 miles, 13' dump, Cat engine, 6 speed transmission), John Deere N w/Pioneer converter, Cross 3x8 hydraulic cylinder w/10' hoses, 6x8 chicken coop, 8x10 shed, 100' medium duty extension cord, small dump trailer, SS honey extractor, Milwaukee heavy duty right angle drill, bedding chopper, 5' finish mower, snow blower, new push mower, Sonora-G-Deluxe 50cc 4 wheeler GB moto (like new), 2013 24' pindle hitch 14 ton trailer, 2 wheel welding trailer, Sun Dolphin kyack, Amish buggy, (5) 12' cattle panels, water tank, Suzuki 230 quad runner, aluminum snowmobile trailer, country line log splitter, (2) Echo chain saws (both run), 12 DeLaval MPC version 1 & 2 milker control units, 12 DeLaval #15 milk meters (parts), Patz barn cleaner w/ drive unit 400' chain w/ reverse curve.

Expecting normal run of lawn mowers and rototillers.

**\*\*Special selling at approximately 11 AM - 54 Farm toys - mostly 1/16 scale 70's and 80's tractors (several new in the boxes)\*\***

Terms and Conditions:  
All items sold as is where is, 10% buyers' premium on all items - maximum \$100 per item, credit cards accepted with 4% convenience fee. Not responsible for no shows. \$50.00 fee for all titled vehicles. NO tires accepted.

Consignments accepted Monday, April 3rd - Thursday, April 6th 9AM - 5PM, Friday, April 7th 9AM - 2PM

Food and port a john on site.

Check us out on Facebook while we revamp our website.

Contact David Sherwood Manager at 315-436-0804 for information.

Office: 315-829-3105 or 1-800-257-1819

Manager and Auctioneer: David Sherwood 315-436-0804

**VINTAGE LIVESTOCK AUCTION  
Paradise, PA  
March 28, 2023**

Slaughter Cattle:  
Cows: Breaker 75-80% 1275-1905# 88-94.50; 1385-1920# 95-101 Hi; 1390-1930# 82-87.50 Lo; 1600-1720# 76-80.50 Very Lo. Boner 80-85% 1190-1670# 78-84; 1165-1830# 85-90 Hi; 1145-1625# 74-77 Lo; 1225-1870# 70-72 Very Lo. Lean 85-90% 1185-1435# 71-78; 1080-1715# 80-86 Hi; 815-1640# 64-70 Lo; 885-1370# 55-62 Very Lo.  
Feeder Dairy Calves:  
Bulls: No 1 95# 310; 101# 285; 111# 270; 121# 250. No 2 85# 300; 90-95# 300; 102# 285; 115# 265. No 3 73# 95; 82# 300; 94-95# 255-300; 110# 250. Utility 75# 100; 85# 130; 93# 120; 110# 200.  
Heifers: No 1 95# 130; 103# 153. No 2 75# 10; 83# 80; 93# 110. Utility 83# 12.  
SOURCE: USDA AMS LIVESTOCK, POULTRY & GRAIN MARKET NEWS, PA DEPT OF AG MARKET NEWS, NEW HOLLAND, PA

**WEAVERLAND AUCTION  
New Holland, PA  
March 23, 2023**

13 Total Load(s):  
Orchard Grass: 1 ld(s) 240.  
Mixed Hay: 5 ld(s) 165-315.  
Grass: 4 ld(s) 120-200.  
Straw: 2 ld(s) 155-175.  
Alfalfa Baleage: 1 ld(s) 65.  
SOURCE: WEAVERLAND AUCTION

**WOLGEMUTH AUCTION  
New Holland, PA  
March 27, 2023**

Alfalfa: 33 ld(s), 130-470.  
Mixed: 16 ld(s), 65-360.  
Timothy: 13 ld(s), 105-320.  
Grass: 30 ld(s), 130-560.  
Straw: 15 ld(s), 135-215.  
Orchard: 14 ld(s), 150-420.  
Corn Fodder: 2 ld(s), 40-145.  
SOURCE: WOLGEMUTH AUCTION



**Manager:** Michael Phair



## FARM RETIREMENT AUCTION for Titus H. Nolt

### Wednesday, April 5, 2023 at 9:00am

1064 City Hill Road, Penn Yan, NY 14527

**Tractors:** JD 7610, 4WD, pwr. quad, open station, no park brake; JD 4320, approx. 3,000 hrs on rebuilt engine, just rebuilt transmission; JD 3020 diesel; IH 1066, open center steel wheels, bad TA; Ford 8000; Valtra Valmet 900, 4WD, 2,495 one-owner hours; all tractors sell on belting wheels with unknown hours unless otherwise noted; Case IH 2255 front end loader, w/brackets for IH 1066; nice Cat 931 track loader, new tracks, only 2,404 hours; **Equipment:** NH BR 740 round baler, Silage Special, net wrap, approx. 11,000 bales; (2) NH 782 choppers; (2) NH hay heads, (1) good, (1) for parts; NH 824 corn head; H&S XL forage wagon, tandems, roof; Case IH 600 silo blower; Miller Pro 1350 rake; New Idea 6-wheel hay rake; 5010 heavy duty round bale wagon; 14' flat wagon; (2) 10'x20' & (1) 9'x18' steel basket wagons; NH 1475 haybine; 50' Allied elevator, hyd. drive; 36' NH hay/grain elevator; Zimmerman 3-pt bale spear; Kverneland NGH/401 13' power plow; Case IH 145 MB, 3-btm rollover plow; Bush Hog 1560 9-shank, deep till chisel plow; White 3-pt, 7-tooth chisel plow; IH 645 Vibra Chisel; IH 500 16' disc; Brillion 10', 8', (2) 4' cultipackers; 16' crumbler; 21' Speed King transport drag; 16' & 12' drag harrows; 3-pt spike drag; 16' fold-up tine weeder; JD 7000 6-row corn planter, liquid fert., 2x2 and in-furrow, monitor; JD 8200 grain drill, double disc w/seeder; 3-pt S-tine, track eliminator; JD 725 6-row front mount cultivator; New Idea 2-row corn picker; (2) Killbros 350, (3) smaller Killbros bin wagons; H&S 7+4 forage wagon, tandem axle, roof; H&S XL single auger, tandem axle, roof; NH 352 grinder mixer, no intake auger; 5x10' auger w/elec. motor; grain cleaner; 9' 3-pt heavy duty back blade; WinPower 20kw generator; NH 195 manure spreader; potato bin on running gear; 12' steel trailer; 3-pt post hole auger; spring wagon; **Misc:** 14'x60' Ribstone silo; Jamesway VIII unloader; 500 gal poly tank; front mount 8' blade; 8' Field Lane drag; H&S 501 forage wagon front end for parts; 3-pt wire unroller; AC loader bucket; misc. tractor/truck/implement tires; new MT 16 moisture tester; propane heater w/tank; #11 platform scales; steel racks; misc. steel; 4" tile fittings; wheelbarrows; wooden handles; cultipacker parts; hyd. hoses; pipe fittings; elec. motors; v-belts; fasteners; wiring; circuit breakers; flood lights; stock tank; cow collars; new bearings; asst. lumber; **Shop:** Hyd. tester; Cummins drill press; 4 1/2" band saw; 3/4" Master Mechanic socket set; Reddy Heater; GE anvil, Nice!; bolt bin; pipe vise; elec. sawzall; screwdrivers; adj./open-end/pipe wrenches; hyd. jack; tool box; tank-top propane heater; **Leftover Feed Inventory:** (22) round bales of straw and (40) round bales of 1st cutting, all stored in barn; approx. 50 bales of 2nd & 3rd cutting baleage; **Consignments by Family:** 16' overhead garage door; Parker 350 bu. bin wagon; 350 Killbros bin wagon, nice; Easy Trail 350 bu. bin wagon; Long 880 tractor loader; Easy Trail 400 bushel; NH 824, 822 corn heads; IH 1066 Black Stripe on steel wheels;

**Terms:** ID for bidder number. No buyer's premium for cash or honorable check. Credit cards accepted with 3% fee.

### Other Upcoming Auction:

**Thursday, 7/13 - John Deere Expo Consignment Auction** at the NY Steam Assoc. Grounds.

Now accepting consignments of anything John Deere!

**Wednesday, 8/9 - Pageant of Steam Consignment Auction** at the NY Steam Assoc. Grounds. Now accepting consignments of antique & modern farm and construction equipment, steam & gas engines, signs, toys, literature and related items.

**DANN AUCTIONEERS**  
4215 Belknap Hill Road, Branchport, NY 14418  
Jeff Dann 585-233-9570, [www.dannauctioneers.com](http://www.dannauctioneers.com)  
Nelson Zimmerman 607-243-8932



## 15<sup>TH</sup> ANNUAL MILLER FAMILY CONSIGNMENT AUCTION

Location: 664 County Rt. 29, Burke, NY 12917

**Consignments WANTED!**

**Early Listing**

**Friday, May 12, 2023**

**Tack 9:30 AM, Horses 10:30 AM**

Expecting 100 head of Drafts, Driving and Ponies!

**Partial Early Listing**

**Saturday, May 13, 2023 at 8:30 AM**

2755 John Deere tractor w/ loader; 575 NH Sq Baler Nice; Kuhn Rotary Rake; 3 Thrashing Mills (MC-D and Dion); 5 Manure Spreaders including rebuilt "8" A; 2 McCormick Corn Binders; 3 Grain Binders (McC and JD); 5 Mowers Reg Gear #9 & #7; 256 NH Rake 910 Pequea Tedder; Van Brunt Grain Drill on steel wheel; 2 cylinder Kubota Diesel app 13hp.

**Shop Equipment:**

2 Table Saws, 3 Jointers, Grizzly Shaper, Wood Lathe w/extra knives.

**Accepting Consignments:**

**Farm Equipment, Sawmill equipment, shop tools, antiques, new furniture, quilts, flowers and plants**

**Complete dispersal will get a better Commission Rate**

**CALL FOR MORE INFORMATION**

**Auction By Miller Family Auction Service**

64 Co. Rt. 29 Burke, NY 12917 518-483-6804

Paul and RoseMary Miller 518-483-6804 - 518-319-0919



**HESS**  
AUCTION GROUP

## PUBLIC AUCTION

**MONDAY, APRIL 17 • 10AM IN-PERSON W/ ONLINE BIDDING**

2365 NY-12 Greene, NY, 13778

# MOSES GLICK FARM EQUIPMENT & CATTLE LIQUIDATION



**Tractors:** Case IH 290 Magnum MFWD, Case IH 125 Maxxum MFWD, Case IH 125 Maxxum MFWD, Case IH 95 with Case 730 Loader MFWD, Mahindra 5570 MFWD with loader, Bobcat S150 Skidsteer, New Holland 215 Skidsteer

**Construction Equip.:** Cat 963B Trackloader, Hitachi 330LC excavator, Genie Z60-34 High lift

**Hay Equip.:** Case IH LB 334 XL big square baler, Claas 340 RC Rollant Round Baler, Claas Volto 1300 T 10-star tedder, Claas Liner 2800 rotary rake, Claas 9200C Mounted Discbine, Claas Volto 52T 4-star tedder, Claas Disco 3150 TRC 12' Discbine, McHale 991BC bale wrapper, Claas 450T rotary rake, 30' trailer type round bale wagon, H&S B-10 Wheel Rake

**General Farm Equip.:** 8 tooth Taylor-way chisel plow, Woods Model 2143 rotary mower, 12' disc harrow, Pequea 250P manure spreader, New Idea 9200 4 row corn planter with Kinze planter units, Winpower PTO Generator, 18' Batwing rotary mower, ARNDT 30' gooseneck enclosed horse trailer with living quarters, 10' cultipacker, 12' cultipacker, King Cutter 5' 3pt rotary mower, Country line 6' 3pt rototiller, Country Line 3pt 2-row cultivator, Country Line 6' 3pt stone rake, 6' 3pt Gill, Misc. flat-bed wagons & trailers, flex two 16' no till grain drill, Bigham Brother for tooth subsoiler, Kubota UTV

**Livestock:** 5 breeding bulls including home raised Murray Gray cross, 15 donkeys, 5 horses, Paint Percheron standard breed, etc.

**Hay:** 200+ bales mixed grass, alfalfa, clover, timothy, both wrapped & dry bales

**Cattle Equip.:** Priefert squeeze chute, portable feeders, gates, feeders, water troughs, etc.

**Misc.:** Selection of granite, stone steps & curbing, fuel tank, zero-turn mowers, miller welder, pressure washers, air compressors, battery chargers, wrenches, general farm tools & supplies.

5% Buyer's Premium On-Site / Additional Buyer's Premium to be Applied Online



AY000253L

Auction For: Moses Glick

See [hessauctiongroup.com](http://hessauctiongroup.com) for more details.

717-664-5238 • 877-599-8894







# Farmer to Farmer MARKETPLACE

GRASS SEEDER FOR JD. 15' grain drill. New Houck hitch for hooking 750 drills in tandem, used, \$1,500. 315-729-0566(NY)

LARGE SQUARE BALES of 1st cut grass hay, june cut, no rain, \$45. 585-457-9869(NY)

HOME MADE WOOD pallets for round bales, \$1 each. 315-253-0857(NY)

3X3 BIG SQUARE baleage, new seeding, summer 2022, \$35 a bale. Yates county,NY 315-789-1362

8 USED BOX BARN fans, 4&5 feet, \$200. Take all 15 freestall hoops, \$100 for all. 518-643-9468(NY)

JD 7610 4WD P.S. open cab, windows included. \$22,500 OBO. Belting wheels available. White 549 5x18" on-land plow \$3,000 OBO. 315-536-0975(NY)

CULTIPACKER WHEELS, 14" circumference, 4.5" inside diameter, 4.5" wide. Also packer wheels, 15" circumference, 2" inside, 4" wide. Good used. 518-286-2745(NY)

WHITE 4BOT VARIABLE width plow, low wear, many new parts. 200 gallon crop sprayer, 32' boom, nice condition, \$2,000 each. 585-746-1863(NY)

63" INTERNATIONAL LOAD-STAR 1600, 304, host, 13ft. grain rack, good tires, farm or classic, \$2,500 OBO. 607-546-4055(NY)

BRILLION 12' SINGLE roll roller packer, 4" axle, will load, field ready, \$1,000 OBO. 607-227-6858(NY)

WANTED: MILK BULK TANK, 1,250-1,500 gal. in good working condition. Call with what you have. 585-554-3754(NY)

JD 6400 2WD synchro new clutch, starter. 5,500 hr.'s, \$11,000. 250 gallon water tank, upright \$100. PennYan, NY 315-536-3182

TIRES, USED & NEW, 18.4-42, 50%, \$490 each. 18.4-30 BKT radial, new, \$950. 16.9-30, DT710 radial, 50%, \$390 each. 607-243-0023(NY)

FOR TRADE: JD 4020 for Int tractor, similar hp. FOR SALE: hsm-p merger with extension Int eight row 955 planter. 315-687-6468(NY)

WANTED: USED EGG washer, good condition, smaller size. 607-292-6414(NY)

CASE IH 885,2188hr.'s, engine runs great! Everything works, good rubber tires, 2pto, 2hyd., 8spd. synchro, new paint, very clean, \$9,400. 315-536-3259(NY)

GEHL 2415 DISCBINE, \$6,000 OBO. Esch 2-star tedder, \$2,500. 3-row cornhead off JD 3970, \$1,500. Geneva,NY 585-526-6357

FOR SALE: IH 766 black stripe, nice tight tractor. WANTED: NH 360N 6-row corn head for FX chopper. 315-536-7875(NY)

HAY WAGON, VERY good condition, implement tires, 8ft.-h, 18ft. long, 8ft. wide, six wheel, all steel, wood deck, \$2,700. 518-731-8880(NY)

CLEAN, COMPLETE SURGE pipeline system, cow mattresses, stanchions water buckets, water pressure tank, zero vacuum tank, oil burner for evaport. 607-627-6637(NY)

MY-DHAND 6"X46" TRANSPORT auger with motor, like new, \$6,800. WANTED: Case 30 or 70 series open station tractor. Phelps,NY 585-748-9474

BUNKER SILO DEFACER fits skid steer, \$1,250.400 amp transfer swith for generator electric pipe threader, \$300. 802-233-9173(VT)

WHITE 598 PLOW, five bottom variable width, great condition \$4,000. 2 row JD corn chopper head \$350. 607-243-8830(NY)

IH 5100 DRILL, Bushhogg 245 12' offset disk, IH56 2row corn planter, McKee corn hog, AC.D15 rear wheel weights. 518-731-8663(NY)

1ST CUTTING GRASS 4x4 baleage. Zimmerman 40' elevator, 2row NI corn picker, 12' oliver disk, 3ph chain haist. 716-983-6232(NY)

KOVAR 90" TINE weeder with 24" tines, with 45 degrees on end. Excellent condition, \$3,000 OBO. 315-536-8652(NY)

TIMOTHY SEED CERTIFIED organic \$60 for 50lb. bag or 5+ bags for \$50 each. Avaco NY call Kelvin Slayton @ 607-346-4100

JD 200 ROLLING basket seedbed finisher, 26" or 34", year 2010, \$8,250. DMI rolling basket \$7,000. 315-651-3076(NY)

42" IDEAL BALE ELEVATOR with slide and hitch. Has one horse motor mounted in the middle, works great, \$2,500. 315-497-1712(NY)

FERRI BOOM MOWER, 3point hitch, maxilator, accumagrapple, elite winco max watts 25kw, 25 PTO generator wagon gear. 413-624-3667(MA)

GRAZE MAGAZINES FOR graziers. 100+ issues, \$2.00 each. WANTED: red, yellow, golden pheasants. White peafowl. Four years old. 607-243-7119(NY)

F.E. OLDS&SONS ULTRATONE trumpet, has 1 mouthpiece and has case, \$120 OBO. Also have tigerlight LED lights. 315-246-7754(NY)

2000 KRONE DISCBINE conditioner 3-point hitch, model 283cv, serial 486169, new bearings, shaft pulleys, drive belts, seven cutter bars. 315-865-5925(NY)

2000 DODGE RAM 4X4 Cummins diesel, 6 speed, standard, 130,000 miles, \$6,800. JD 4020 \$13,000. JD 925 moco discbine \$7,500. 774-200-4388(NY)

4X4 BALEAGE \$40, will load. Delaware county,NY 607-538-1009

GVM 5.5 LIME/FERT spreader, very good condition, \$17,500. 12' d+a 16" high, corn crib \$600. 413-584-3291(NY)

PORTABLE MILKING MACHINE, complete, little use. Cow-calf pairs, mixed breeds, certified organic, fair prices 802-380-4783 text or message.(VT)

JD 336 BALER, used last year kicker \$2,500. Call or text, pictures available 716-628-4005(NY)

2022 SURE TRAC 12'12k dump trailer H.D 16"tires tarp ramps used very little, like new \$10,000. 607-538-1745(NY)

BLACK BOAR PIG, 500 LB.'s, \$75. Also fanning mill, works, \$85. 355 Argensinger rd., Fultonville,NY

EARLY 1900'S HOP HOUSE. Fair to good condition. Nitrogen tank 50-60 ABS straws. Two simmental steers 1,500lb.'s, 18 months old. 607-264-3015(NY)

FERGUSON 135, \$3,000. Allis ChalmersG \$2,000. FordNAA, restored \$3,000. 4row midivator FL with rearseat and steering guide \$3,000. Photos 914-804-4195(NY)

J-STAR FEED CART \$2,800. AgBagger parts fix IH 5x16 plows, \$1,800. Schuler BF125 feeder wagon, \$3,850. 30' truss. 607-437-3860(NY)

HAY 1ST CUT, small square bales, \$3 per bale. 3rd cut organic, big square baleage, \$100. JD 7000 planter fertilizer parts. 315-536-8854(NY)

JOHN DEERE 420 wide front, 5 speed, new tire. Call Sunday 607-746-3877(NY)

WANTED: ROVIBEC FEED cart super mix, any condition, running or not, model 525 or 530. 315-868-5521(NY)

INTERNATIONAL 3688 2WD 20.8x38 rear tires, new battery, alternator, all filters are new. Dual pto, 2 remotes, 6,085hr.'s. 585-993-2009(NY)

CLAAS 730, JD 4520, Badger dump wagon, harvest handler elevator, Claas 3600 mower, Claas 750 rake, JD 4320 engine parts. 607-343-2217(NY)

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## Canandaigua Stockyards Feeder Sales 2023

All Sales Start at 9 AM

Saturday, April 15th  
Saturday, May 6th  
Saturday, May 20th  
Saturday, June 3rd  
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Saturday, September 9th  
Saturday, September 23rd  
Saturday, October 7th  
Saturday, October 21st  
Saturday, November 4th  
Saturday, November 11th  
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# DCHA Annual Conference and Trade Show set for April 11 - 13

Register for the 2023 Dairy Calf & Heifer Association (DCHA) Annual Conference and Trade Show, scheduled for April 11 - 13 in Prior Lake, MN. This year's conference revolves around the theme "Commitment to Excellence" and coincides with the unveiling of the newly revised DCHA Gold Standards - the industry's benchmarks and best management practices, which are intended to guide dairy calf, dairy x beef and heifer raisers in growing the most healthy, efficient and profitable dairy/dairy-beef animals possible.

DCHA Conference Program Chair David Casper encourages calf, heifer and beef x dairy growers and consultants to attend this engaging event. "Learn and see what growers are doing to address challenges they are experiencing on their operations," he stated. "Gain knowledge from producers' experiences and discover how to effectively use data on your calf, heifer and beef x dairy operations. Plus, you won't want to miss the DCHA trade show, which highlights the latest products for raising calves, heifers and beef x dairy crosses."

To register for the DCHA conference, go to [bit.ly/DCHA2023Conf](http://bit.ly/DCHA2023Conf).



## Double K Livestock Sales Inc.

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Website: [www.sennettlivestocksales.com](http://www.sennettlivestocksales.com)

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**JD 510C** backhoe w/ 7500hrs, 4wd, 90" bucket, 24" digging bucket

**Case 465** skid loader w/ 2,315hrs, 2spd, aux hyd, cab w/ heat/air

**Case 1845C** skid loader w/ 5551hr, aux hyd, 6' material bucket

**Case 85XT** skid loader w/ 4266hr, aux hyd, 6' material bucket & bale spear

**CIH 2366** Axle Flow combine w/ 3605/2799hrs, 3spd, hydro, CIH AFS guide monitor, bin extensions, field track feeder house, 4wd, chaff spreader, long auger

**CIH 2366** Axle Flow combine w/ 4017/2970hrs, 3spd hydro CIH ASF guide monitor, bin extensions, field track feeder house, 2wd, chaff spreader, long auger

**2-CIH 1020 25'** flex head, header height control, lateral tilt

**2-25'** header carts w/ 6 ton running gear

**CIH 2206** 6 row corn head, hyd deck plates, header height control, knife rolls, (updated to the Calmer chopper head)

**CIH 315** tractor w/ 1,374hrs, AFS pro 18spd trans, 5 remote, 3pt w/ quick hitch, hammer strap, 520/85R46 rear duals, 480/70R34 front duals, wheel weights

**CIH 7150** tractor w/ 12,541hrs, 18spd power shift, 3 remotes, 3pt, 540/1000pto, 20.8R41 duals, 17 front weights, 4wd, (541hrs since engine rebuilt)

**CIH 5220** tractor w/ 3875hrs, 12spd, power quad trans, 2 remotes, 540pto, 3pt, 18.4/34 tires

**CIH 8950** tractor w/ 5885hrs, 18spd power shift, 4wd, 3 remote, 3pt, 540/1000pto, 20.8R42 duals, 19 front weights, quick att

**CIH 7220** Mark 50 edition tractor w/ 6920hrs, 18spd power shift, 3 remotes 540/1000pt, 4wd, 3pt, 20.8R38 duals, 12 front weights

**CIH 7210** tractor w/ CIH Easy Guide 250 GPS, 6571hrs, 18spd power shift, 3 remotes, 3pt, 540/1000pto, 2wd, 20.8R38, 12 front weights

**CIH MX170** tractor w/ L655 loader, 4575hrs, 12 speed power quad, 3 remotes, 3pt, 2wd, 540pto, 18.4R42 rubber

**CIH MX170** tractor w/ CIH Easy Guide 500 GPS, 5313hrs, 12spd power quad, 3 remotes, 3pt, 540/1000pto, dual, 18.4R42 rubber, 18 front weights

**CIH 5130** tractor w/ Farmhand XL940 loader, 8812hr,

12spd power quad, 2 remotes, 540pto, 16.9/38 tires

**CIH MXU110** tractor w/ 3,209hrs, 16spd power shift, 3 remotes, 3pt, 540pto, w/ CIH FM/750, w/ GPS auto steer, 18.4R38 tires, 10 front weights, 2wd

**IH 3788** tractor w/ 3513hrs, 6spd trans, torque amplifier, 3 remotes, 3pt, 1000pto, 18.4R38 duals

**CIH 3588** tractor w/ 5132hr, 3 remote, 540/1000pto, 3pt, 18.4R38 tires

**CIH 5140** tractor w/ 4277hrs, 12spd power quad, 2 remotes, 3pt, 540pto, 18.4R38 duals

**Deutz D10006** tractor w/ 2 remote, 12spd trans, 3pt

**2- Crop Care AGX750T** 60' sprayer w/ foam markers, induction tank, 800gal tank, 6 unit, shut off valve, (like new)

**AG system AG500** SS fertilizer spreader w/ ground drive, tarp

**BBI SS 10'** fertilizer spreader, hyd drive, ground drive web

**NH 195** manure spreader

**Meyer Cross Fire SXR 500** vertical beater spreader (like new)

**Kinze 3600** 12 row corn planter w/ dry fert, w/ load auger, row cleaners, no till opening disk, spike closing wheels, new opener disk, drag chains, row markers, Keeton seed firmers, spike closing wheels, drag chains, row markers, new opener disk

**Kinze 3600** 12/23 row interplant planter w/ Yetter row cleaners, drag chains, Keeton firmers, spike closing wheels, row markers, new opener disk

**CIH 5300** grain drill w/ grass seed box, double disk opener

**Seed Tender** wagon w/ systems one seed jet III

**Handlair 680** Pneumatic conveying systems w/ hyd fill spout, (like new)

**Conveyair Ultima** 6 hyd fill spout grain vac w/ suction pipes

**NH 3PM** 3 row corn head (like new)

**NH FP240** kernel processor w/ gandy inoculant app, metal alert 3, rear hyd, tandem axle w/ 29P 8' hay head

**Gehl 1275** chopper w/ metal stop, kernel processor, 2 row corn head, tandem axle, rear hyd

**NH 313** 13' discbine w/ rubber rolls (like new)

**Kubota WR1100** 3pt round bale wrapper

**2-Claas 520RC** Rollant round baler 80" pickup head, acid applicator, knives, net wrap

**NH 276** sm sq baler w/ 70 thrower, acid applicator

**2- Round** bale grabbers

**Claus Liner 700** 10' hay rake

**Kuhn GF7802** THA 6 star tedder

**Kuhn Merge Max mm300** merger w/ 9' pickup

**2005 IH 5600I** 10-wheeler silage truck w/ 18' USA silage box w/ scissor hoist, hyd tailgate, in cab controls, ISM Cummins engine, 317,000mi, auto trans, #66000 GVWR

**1991 Mack Model CH613** 10-wheeler silage truck w/ 18' USA silage box w/ scissors hoist, hyd tailgate, 676,715mi, 10spd manual trans, Mack EM7/275 engine

**2- Landoll 7431-26** 26' vertical till disk (like new)

**Mandako 40'** land roller

**19'** Field cultivator

**Case 6** bottom moldboard plow w/ spring reset

**Brillion 14'** 7 shank land commander w/ hyd disk

**Farm King 856** 56' grain auger

**Richardton 820/750** dump wagon

**JBM Dirt Boss T1200** DB 12' dump wagon w/ hyd tailgate, tandem axle

**2-9'-20'** bale wagons w/ agri master 10ton running gear

**2-18'** Horstline dump carts w/ hyd tail gate, tandem axle, grain chute

**INT 570** wooden wagon

**4-Killbros** bin wagons

**2-Landco 7x16'** hay wagon

**9'x16'** Hay wagon w/ Gehl running gear

**10'x16'** Hay wagon

**2- 9'x18'** Hay wagons

**9' 3pt Luck/Now** snow blower w/ hyd chute

**25'** Skeleton elevator w/ motor

**2-105"-192"** Bale wagon agri master 10 ton running gear

**Land Pride RCP3760** 6' 3pt ditch mower

**Paladin 7'** HD rotary mower

**Little Giant 30'** grain/ hay elevator w/ motor

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- 2021 CaseIH 375 True-Tandem Disc Harrow
- Unverferth 630 Grain Wagon
- Krause 4200HR 30' wide Field Cultivator with 4-bar spring tine harrow
- Unverferth Rolling Harrow II
- 3PTH Cultivator 7' wide
- 34X Track Pads
- Hydraulic Broom
- 3PTH 9Ft wide Disc
- 3PTH Trip Bucket
- 3PTH Turbine Orchard Sprayer
- Seko Bale Chopper
- Severson Hydraulic Power Sweeper
- 24" Didding Bucket
- Sullair Air Compressor
- 3PTH 48" Rototiller
- 4-way Loader Bucket
- 5" Water Pump with Hydraulic Drive
- Godwin 6" Water Pump
- Harrisburg 6" Water Pump
- 6" Water Pump
- Forklift Mast
- Watson Chalin Steerable Lift Axle

- Fire Extinguishers 20Lb
- Fire Extinguishers 5-10Lb
- (2) 11.00-20 12 Ply tires on 6-hole rims
- Concrete Hopper with chute



- Used Belting 34" wide
- (2) Rolls of unused Belting 1/2"x36"
- Roll of unused Belting 1/2"x36"
- Roll of unused Belting 3/8"x24"



- 10Ft Dump Body with Hoist, Frame and Axles
- (2) Flammables Cabinet
- NPK 4XL Hydraulic Hammer
- NEW Rhinox GRX-13T-HYD-430 Hydraulic Thumb
- NEW Rhinox GRX-5 Hydraulic Thumb
- NEW Rhinox GRX-1.5 Hydraulic Thumb
- NEW Rhinox GRX-3T Hydraulic Thumb
- SA Cart. 4x6 Frame

- (7) Belt Conveyor Idler Rolls 28"
- Miscellaneous Idler Rolls
- (4) Unused Electric Motors
- Electric Motor
- Link Belt Speed Reducer
- (8) 295/75R22.5 tires on steel rims
- Conveyor Edge Belting
- Box of Rubber Idler Rolls
- Box of Idler Rolls 38"
- (5) Rolls of unused Belting
- (4) Rolls of unused Belting
- (24) Rollers 76.5" unused

- (15) Rollers 75" unused
- (7) Rollers 75" unused
- (20) Rollers 76.5" unused
- (21) Rollers 50" unused
- (15) Rollers 50" unused
- (28) Steel Drum Rolls
- Conveyor Belt Tracker
- (16) Conveyor Belt Idler Units approximately 75" wide
- Mack B67 Truck
- Yale Forklift
- Yale 5T Bridge Crane
- (3) Scaffolding Uprights
- Genie Superlift
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- Pallet of Pneumatic Tools
- Yellow Jacket Cable Protector
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April 4th - 6th

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# Small Farms Quarterly

Good Living and Good Farming – Connecting People, Land, and Communities



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**SPRING 2023**



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Cover photo: Soil samples are collected from a pea/oats cover crop mix to better understand the long-term effects on soil health between tilled and no-till systems. Learn more about this research by the Cornell Small Farms Program at [smallfarms.cornell.edu/projects/reduced-tillage](http://smallfarms.cornell.edu/projects/reduced-tillage).

## SMALL FARMS QUARTERLY

Good Farming and Good Living  
Connecting People, Land, and Communities

Small Farms Quarterly is for farmers and farm families — including spouses and children - who value the quality of life that smaller farms provide.

- Our goals are to:
- Celebrate the Northeast region’s smaller farms;
  - Inspire and inform farm families and their supporters;
  - Help farmers share expertise and opinions with each other;
  - Increase awareness of the benefits that small farms contribute to society and the environment;
  - Share important research, extension, and other resources.

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The Small Farms Quarterly is compiled by the Cornell Small Farms Program, based at Cornell University in Ithaca, NY. The Cornell Small Farms Program fosters the sustainability of diverse, thriving small farms that contribute to food security, healthy rural communities, and the environment. We do this by encouraging small farms-focused research and extension programs.

Anyone is welcome to submit articles for consideration. See our guidelines at [smallfarms.cornell.edu/quarterly/writers/](http://smallfarms.cornell.edu/quarterly/writers/) and contact Kacey Deamer with inquiries. Articles should be 1,000 - 1,600 words in length with at least three high-resolution image options.

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# News from the Cornell Small Farms Program, Spring 2023

## Welcoming a New Team Members to the Small Farms Program

The Cornell Small Farms Program team continues to grow, and we recently welcomed our newest team members, Sarah Bassman and Tim W. Shenk. Sarah and Tim introduce themselves below, and share more about what they'll be working on.

*From Sarah:*

I joined the Small Farms Program at the end of 2022 as an Extension aide tasked with providing administrative, logistical, and overall support of the program's expanding needs. Sometimes having an extra hand to help get a job done makes all of the difference, and I am here to be that extra set of hands for the Small Farms Program team and the farmers we serve.

I am very excited to join the Cornell Small Farms program in the new role of Extension/program aide. Before applying for this position, I spent a good amount of time learning about the program and immediately felt a deep connection to its purpose and motivation to contribute my skills toward its mission. My immediate goal is to expand upon the initial learning, develop an in-depth knowledge of the projects, and build new relationships to be able to anticipate needs and support growth. I look forward to helping with events both virtual and in person.

Originally from Ohio, I lived abroad in Germany after high school, moved to Las Vegas for a few years, and ultimately landed in New York State in 2007. Choosing to move to New York was largely inspired by a wonderful experience my husband and I had visiting a friend's small farm in Watkins

Glen. The inspiration turned into reality and this area has become where we truly feel at home. That "at home" feeling comes from an authentic connection and shared commitment for the land and community that surrounds us. Sourcing our meat, fruits, vegetables, and other staples from a wide selection of local small farms quickly became an exciting aspect of our lives that we had not before experienced.

*From Tim:*

I grew up in small-town Indiana helping my mom pick tomatoes and green beans in our small backyard garden. When I was eight years old and wanted a bicycle, my parents asked me how I proposed to earn the money for it. I decided to grow sweet corn. It was a drought year, so we made weekly trips to my small plot to water the rows of beleaguered corn with jugs of water I filled at home with the garden hose. I sold the runty ears to sympathetic friends at church and made \$55 – enough to buy a prized secondhand bike.

Now at the Small Farms Program, I've returned to my family's roots in agriculture, though I may not get to have my hands in the dirt as much as I'd like! I'll be responsible for the multifaceted communications strategy at Futuro en Ag and will support the project's Spanish language online and in-person education.

As Futuro en Ag's bilingual communications specialist, I bring expertise in Spanish language communication, journalism, research, popular education, curriculum development, and classroom pedagogy. I look forward to nurturing a growing network of Spanish-speaking farmers in New York State and beyond.

## RT Project Uses Long-Term Research to Show Legacy Effects of Tarping on Soils and Weeds

Over the last eight years, our Reduced Tillage Project has managed a long-term permanent bed research trial to provide some answers to the growing number of questions about tarping and no-till organic vegetable production. We managed a sequence of vegetable crops – cabbage, squash, lettuce, broccoli, and beets – and used different tarping and tillage practices side-by-side. We may have lacked the crop diversity of a CSA farm, but we tried to make up for with a complexity of soil management practices. It was a complicated management matrix with 18 different experimental methods. They represented the tillage extremes and

News 4

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## Message from the Editor

Dear farmers and friends,

Over the last few years, the Cornell Small Farms Program has been growing in both staff and program areas. With this growth comes an invitation to also reflect on how we must to plan ahead to meet future needs. What are the emerging opportunities and challenges that our small-scale farmers will face?

To prepare, we are leaning into a strategic planning process. Just as you make a plan to invest your time and resources to meet your business goals, we too must think carefully about how we invest to best support you.

groups of farmers and educators. We will be asking these folks to tell us about hopes and challenges and to learn possible directions and priorities for the Program. In April, we will be taking all of this information into a staff retreat, where we will reimagine the program, our vision, and future directions.

As the plan starts to emerge, I will be inviting you to review and comment on different possible directions. Your feedback will help us direct our energies in ways to best grow a vibrant small farm sector.

As always, we are in this together.

**Anu Rangarajan**  
ar47@cornell.edu  
**Director of the Cornell Small Farms Program**

Over the next month, we will be hosting several focus groups with different



# Cornell, CCE Responding to Farming Mental Health Crisis

*As the nature of farming can lead to feelings of social isolation, it is important that farmers feel like they have people to talk to about their issues.*

By Melissa Jo Hill

Nicole Tommell knows well the financial challenges today's farmers face. But over the last few years, Tommell – an agricultural business management specialist for Cornell Cooperative Extension – has seen those challenges mutate and multiply, requiring her to develop an essential new skill: mental health first aid.

"The agriculture industry was already under enormous pressure from things like environmental stressors, low commodity prices, and tight margins," said Tommell. "Then COVID hit. The bottom just dropped out."

"Livestock farmers couldn't ship their animals to processing facilities because of shutdowns. We saw dairy farmers forced to dump their milk. And if they're dumping milk, they're not getting paid," she said.

The financial stress was exacerbated by the health and family turmoil created by the pandemic. Nationwide, farming and ranching has one of the highest suicide rates of all occupations. According to the Centers for Disease Control, in January 2022 suicide rates for agriculture workers were 36 per 100,000.

"We've had farmers take their lives," Tommell said. "We've seen an uptick in opioid addiction and alcohol abuse. We don't talk about it because it doesn't match the idyllic vision of farm lifestyle we have, but our farmers struggle with depression and anxiety the same as general population while also dealing with the uncertainties of the ag industry."

After seeing COVID's impact on New York farm families, Tommell sought training from New York Farm Net to become a certified mental health first aid instructor through the National Council for Mental Wellbeing. NY FarmNet, a collaboration between the Charles H. Dyson School of Applied Economics and Management and the College of Agriculture and Life Sciences, offers mental health first aid trainings at CCE offices across the state to people like Tommell as well as industry professionals who interface with farms.

The program helps these workers recognize and respond to mental health issues specific

to farmers and their families. The group also provides free and confidential support to any farmer, farmworker, or agribusiness employee in the state.

NY FarmNet staffs its 1-800 number 24 hours a day, with answering services if no one is immediately available, said Kendra Janssen, its office manager. Consultants usually reach out within 24 hours to help callers.

"It's a really unique program in that we send both the business consultant and the mental health or family consultant together as a team," Janssen said. "Cornell is the only land-grant university with such a program in place."

Becky Wiseman, a licensed therapist who is one of NY Farm Net's consultants, works alongside agriculture business specialists to guide farmers, producers, and workers through rough patches. Together they address the problems holistically, offering emotional support alongside business and financial advice.

"Often we go into a home thinking that they need help addressing some financial issue. And then we find out that somebody in the family just died, or the marriage is in trouble," she said.

Because the nature of farming can lead to feelings of social isolation, Wiseman said farmers often do not feel like they have anyone to talk to about their issues.

"And the stigma that's attached to seeking mental healthcare is significant," she said. "We hear farmers and farm families that don't want others in the community to see their truck parked in front of a mental health center. I have met with farmers at a fire station because they did not want their family or their workers to know they were seeking help."

Tommell said CCE specialists are well-positioned to help farm families access NY FarmNet support. "We notice things when we're out in the field. Maybe a strain in relationships between spouses or children, people not caring for themselves or their animals," she said. "It's our job to help. By going through this training you may be able to pick up on those more subtle signs and



*With training from Cornell's NY FarmNet program, Nicole Tommell, an agricultural business management specialist for Cornell Cooperative Extension, is helping farmers navigate mental health challenges as a certified mental health first aid instructor.*

RJ Anderson / Cornell University

help folks earlier."

The mental health first aid course provides mental health first responders with the tools to help engage farmers who are showing signs of stress. "We talk about the importance of early intervention, and how to listen nonjudgmentally, to assess the situation, to give reassurance that there is help, and encourage appropriate professional help," Wiseman said. "We don't diagnose, don't even look at why people get into stressful situations. We look at the specific steps that we need to take as first responders in a mental health situation that may help a farmer in distress."

The training also helps first responders interact with their own feelings when encountering difficult situations. "Those of us working closely with the ag community over the past few years have been feeling burned out and exhausted, walking into sad situations and taking that home with us," Tommell said. "For me personally, taking this training gave me tools to better cope with that."

Tommell believes destigmatizing mental health and normalizing assistance is a huge obstacle that must be overcome. "We all know someone who has been touched by mental health problems, depression, suicide, alcohol or opioid addiction," she said. "We have to just bring that to the forefront, talk about it, and create pathways to help. And the mental health first aid training is a great step toward achieving that."

Hear more about helping New York State's farmers navigate mental health challenges on CCE's Extension Out Loud podcast at [cals.cornell.edu/cornell-cooperative-extension/news-stories/extension-out-loud](https://cals.cornell.edu/cornell-cooperative-extension/news-stories/extension-out-loud).

This article originally appeared in the Cornell Chronicle.

*Melissa Jo Hill is a strategic communication specialist and writer for Cornell Cooperative Extension.*

## News from 3

strategies in-between.

Tarps are plastic, not a source of organic matter, so we added mulches to the mix to see how they work together. Trends are emerging out of the piles of data we collected and we are still working to share results as the experiment has come to an end. We are learning from more and more farmers how tarps can support the transition to using less tillage. Now we're trying to bring to light what is happening under them and how they work best.

On our website, you'll find a link to a new comprehensive publication, "Tarping in the Northeast: A Guide for Small Farms." This is a practical guide to understanding how tarps can be applied in different applications on the farm. It summarizes results from research trials and highlights farmer experiences across multiple states in the Northeast region.

In this edition of the Small Farms Quarterly, we speak to

new research that investigated the legacy effects of no-till and tarping practices on weeds through the lens of the weed seedbank on page 18. It provided another insight into how tarps and mulch can fill a niche for better soil and weed management in organic vegetables.

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# Eight Things to Think About – Farm Diversification and Enterprise Analysis

*Have you ever had a dream about adding or changing something on your farm, homestead, or business? Here's what you need to consider.*

By Katelyn Walley-Stoll

Have you ever made a decision without making a budget first? Have you ever planted or grown or raised something without knowing who you were going to sell it to? Have you ever implemented a dream that went terribly wrong? Or a dream that went terrifically right?

I'm guessing that you said yes to at least one of these things! When conversations about farm diversification come up, I always bring it back to our shared experiences – as dreamers, as doers, as innovators, as people who say “Well, that could have gone better.” Specifically, to take this hot topic and break it down, here are my eight considerations that (I think) are universal in conversations about farm diversification.

**1. Farm diversification comes in many shapes and sizes.** Farm diversification is the act of increasing the number of enterprises on your farm. In this case, enterprise is just a fancy word for “things to do or sell.” Farm diversification could be adding new products to sell, changing how you sell those products, and/or implementing new ways to make products. This is a great example of not putting all of your eggs in one basket (pun fully intended).

**2. Diversification reduces income variability.** We all know that farming is an act with a lot of inherent risk. Farm diversification can help reduce production risk on your farm in several ways. As you add and sell additional enterprises to your farm business, you can reduce cash variability. Let's say you sell produce every summer at the farmers market. Your cash inflows are quite variable as you see a spike in the market season and little to no income the rest of the year. If you added selling eggs, for example, that's a product that would be available to sell, and earn cash from, throughout the year.

You also have the opportunity to spread fixed costs over more commodities – instead of that new tractor just plowing

corn fields, it can also plow pumpkin fields. With farm diversification, you can additionally utilize resources throughout the year and have a larger range of products to help increase market access.

**3. Increasing or changing enterprises is added risk.** When considering adding any new farm enterprise, it's important to consider the possible consequences to your business. A new venture is risky with typically high first year losses, particularly if it's something that you'll need to gain new skills to master. There's also questions about market access if you're new to the game and the longevity/sustainability of new ventures, especially if they're jump on the bandwagon type crops (I'm looking at you goat yoga, hops, and hemp).

Additionally, farm diversification can take you from specialized and efficient production (I only milk cows) to “mile-wide, inch deep” inefficiencies (I milk cows, grow pumpkins, process cheese, train oxen, harvest cut flowers, and go to farmers markets every week). None of these unintended consequences are deal breakers, but they're all important considerations.

**4. Clarifying your farm goals will help determine viability.** I haven't met a farmer yet who got into the business of farming because they loved paperwork and planning. But you should be sure that a new business venture fits into your farm's business plan. Don't have a business plan? No worries – we have loads of resources to help you build one that will work for you! Having a business plan in place will help you to clarify your personal and farm goals to verify your new venture will fit in.

**5. Leverage existing resources before paying for new ones.** Your farm is filled with resources, even if it sometimes feels like those resources are running thin. These can be categorized into physical, financial, and human resources. If you're planning for a new venture that will require the

purchase or addition of several new resources, you should first consider if your farm has any underutilized resources that already exist that could be the foundation for a different enterprise.

**6. Develop an enterprise budget to determine breakeven.** Who doesn't love budgets? An enterprise budget is a slice of your whole farm budget pie. This looks at the incomes and expenses associated with a specific enterprise on the farm, taking into account variable and fixed costs. Having an enterprise budget (we have resources to put those together too) will help you determine a breakeven price and the financial viability of a new venture.

**7. Identify your market, and its capacity, beforehand.** Don't do anything without knowing who you're going to sell to. That's a marketing plan in a nutshell. You shouldn't start a new venture on your farm without first knowing where/who/what your market is and verifying that there's room for you.

**8. Revisit, analyze, pivot, and improve.** But also have an exit plan. When you decide to embark on a new farm enterprise, be sure to hold yourself accountable for checking in on how things are going. Revisit your budget, your business plan, and your books often. Analyze if the new enterprise is serving you and your farm positively – have you seen an improvement in profitability? Cash flow? Is the new venture providing your farm with benefits that outweigh the cost and your time? If the answer to any of these questions is no, don't be afraid to pivot! Shift some things around, change markets or tactics, and see if you can make it improve. If you do these things without success, don't be afraid to enact your exit plan and try something new.

For more information about farm diversification, contact me (Katelyn) at 716.640.0522. This article was written as part of Cornell Cooperative Extension's “Diversifying Your Dairy” initiative. This material is based upon work supported by USDA-NIFA under award number 2021-70027-34693.

This article originally appeared on the Cornell Cooperative Extension Southwest New York Dairy, Livestock & Field Crops Program website.

Katelyn Walley-Stoll is a Farm Business Management Specialist and Team Leader with CCE's Southwest New York Dairy, Livestock, & Field Crops Program.

## Stress Management Through a Decision-Making Framework?

*Farmers are particularly susceptible to both chronic and acute stress, and one underappreciated strategy for reducing this stress load is our mindset and approach to decision-making.*

By Erica Frenay

What causes you to feel stressed out? Major sources of stress in my life include, in no particular order, money, kids, livestock, my off-farm job, my farm business, and the general overwhelming sense of having taken on too much. You may of course experience many other sources of stress. As if that wasn't enough, the stress of our individual experiences is compounded by the miasma of collective anxiety that comes from local and global events: stories of racism, natural disasters, dire economic predictions, the national political circus, war... so much suffering at home and around the world. It's a challenge to protect your mental health while remaining a reasonably informed citizen. These pressures – among many others – are sources of chronic stress.

Acute stress can come in the form of major shocks that occasionally rock our lives, like illness, accidents, or that time all of our markets, kids' schools, and life as we know it were suddenly shuttered in spring 2020.

Those stressors don't have to weigh you down or impact your mental health.

You've likely encountered many strategies to reduce the impact of both forms of stress: meditation, mindfulness, yoga, etc. But if you haven't yet explored your approach to decision-making, you may be missing out on a major opportunity to lower your stress levels by improving your relationships, feeling clear that your decisions are moving you toward your vision of an ideal life, and improving your financial situation.

I can illustrate with some examples from our farm. The most challenging period of chronic stress for my husband Craig and me was the three years that we were building our home on our brand new farm. We had a newborn infant – who was cool with about four hours of sleep in 30-min increments each night – and a four-year-old. I worked three days a week at my office job and my husband ran his construction business full-time while we were also building the farm's physical infrastructure, building our home, developing markets, and managing livestock. It was a slog to get through each day.

The most life-altering acute stressor we've experienced at Shelterbelt Farm was a major fire in autumn 2021. The

“barn” that contained our friends' home, our farm store, workshop, and farm storage space burned down while we watched in horror.

As different as these two experiences were, the primary tool that helped us move through them both was the same: Holistic Management™ (HM). For over 20 years, HM has been improving our well-being by helping my husband and I feel clear on how we want our life together to be and giving us tools to make decisions that move us toward that vision. Ultimately, this has given us a sense of control over our lives, which is a useful illusion that can alleviate stress. I say “illusion” because there is so much in life that we can't control – like pandemics or fires – but HM helps you take control of what you can: your values and behavior, including the choices you make and where you focus your energy.

Maybe you've heard of HM as a grazing or financial planning tool, and it is helpful for both of those things, but the core of it is about decision-making. Not exactly sexy, but considering the

Stress management 15



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# Pasture Mix for Sheep

*What grass and legume species are liked by sheep and are easily established?*

By Ulf Kintzel

A recurring question I receive is the one of what grass and legume species to choose when a pasture is being reseeded. Exotic names are being tossed around. Pasture mixes that are offered by various seed companies often contain seeds of grass species I have found subpar for grazing sheep. In this article I will address what has worked best for me and perhaps spare you the disappointment of something exotic either not growing or not being much liked by sheep. Keep in mind that your climate zone needs to be similar to mine if you want to heed my advice.

It has been almost 17 years that I have farmed at the location of White Clover Sheep Farm. At our arrival here in Western New York not all of the purchased 100 acres of farmland was ready to be grazed. I had to reseed a seven-acre field of pumpkins into pasture. I turned this necessity into an opportunity and made this my very own test plot. I planted strips of late-heading orchard grass, rye grass, meadow fescue, a soft-leaved tall fescue, a more erect growing blue grass variety, and, after I ran out of seed and still had some area to be seeded, timothy. After grazing this plot for many years, I had one grass species and two legume species as winners.

Some of the grass species were not satisfactory. The species were either not hardy enough (meadow fescue) or were not much liked by the sheep (the soft-leaved and improved tall fescue) or needed more input to bring any acceptable yield (rye grass) or simply became irrelevant (blue grass). The one and only grass species that met and exceeded expectations on many levels was the late heading orchard grass. What's more, the sheep over time spread the orchard grass throughout that field by collecting seed in their wool and hair and transferring it to new areas. Where other grass species had failed, the orchard grass was taking its place.

The legumes I tried in my "test plot" were a New Zealand grazing white clover, medium red clover, birdsfoot trefoil, and Kura clover. The Kura clover was a failure right from the beginning. Very few plants developed. The ones that did develop were not grazed as willingly as other legume and grass species. The birdsfoot trefoil developed strongly but did not take the grazing well and the stand was diminished with each passing year. The medium red clover developed strongly and offered high yields. However, since red clover is a biennial, it needs to be reseeded from time to time, which I do when I frost-seed pasture in the spring. The New Zealand grazing white clover was a new experience for me at that time. It became the clear winner among the legumes. A thick stand developed and, since white clover is a perennial, has persisted over the entire time that we have been here.

Other areas of the farm had been simply neglected when we arrived. Weeds, mostly Canadian golden rod, and bushes of Tartarian honeysuckle and multiflora rose had started growing. I simply grazed and then bush-hogged these fields. At that time, there was no money left to plow these fields up. A young family of five, a new farm with a mortgage, and other priorities left me without additional funds to be spent on more seed.



Red clover has the added benefit of being relatively drought resistant.

Over time, "native" orchard grass moved in, the seeds spread by the sheep. (I put native in quotes because orchard grass is an Old World grass species but any old variety that volunteered and is unimproved is commonly referred to as native.)

The established main hay fields consisted mostly of timothy and were quite depleted of nutrients. Here too native orchard grass started to move in and after a few years of rotational grazing became the dominant grass species. Likewise, some clearings where I had cut brush and saplings started showing a lush stand of orchard grass after just a few years of grazing.

An adjacent 15-acre weedy field, growing mostly goldenrod and owned by an absentee landowner, also needed to be reseeded. I did so after I secured a long-term lease. Late heading orchard grass, white and red clover, and birdsfoot trefoil were chosen. The orchard grass and the clovers did well again and still do after more than a decade but the birdsfoot trefoil suffered the same destiny as the one in my reseeded pumpkin field. After an initial beautiful stand, it slowly disappeared, not enduring the grazing.

Ironically, birdsfoot trefoil is described as long-lived but didn't live long in my pasture. On the other hand, New Zealand grazing white clover is supposed to have limited longevity and yet all my white clover stands are thriving, some of them being up to 15 years old.

Last year it was time to plow up and reseed a field that was finally fully tilled but consisted of a lot of tall fescue which had volunteered in the many spots that had been previously wet and deprived of oxygen. It also had too many Canadian thistles. The fescue and weeds made it simply too unproductive. My

first inclination was to seed a late-heading orchard grass, which gives me an additional two weeks' time for haying in early spring. In addition, I planned on using one of my successfully growing New Zealand grazing white clovers mixed 50/50 with locally grown medium red clover. Then I started to think and asked myself if that was really the right choice.

I had a chance to start over with a 12-acre plot. Who knows if I'd get that chance again anytime soon during my remaining years of farming? After serious deliberation with myself I arrived at the starting point, thinking, "Why would you try something else if orchard grass and white and red clover grow so easily at your farm, yield so much, and are so much liked by your sheep?" So a late-heading orchard grass variety, a New Zealand grazing white clover, and medium red clover are the three pasture species of choice for me and the ones I recommend. That is my final answer.

Ulf Kintzel / White Clover Sheep Farm

Ulf owns and operates White Clover Sheep Farm and breeds and raises grass-fed White Dorper sheep without any grain and offers breeding stock suitable for grazing. He is a native of Germany and has lived in the U.S. since 1995. He farms in the Finger Lakes region. His website is [whitecloversheepfarm.com](http://whitecloversheepfarm.com). He can be reached by email at [ulf@whitecloversheepfarm.com](mailto:ulf@whitecloversheepfarm.com) or by phone during the "calling hour" indicated on the answering machine at 585.554.3313.

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# Give Stocker Beef Cattle a Chance

*In Part 12 of our “What’s Your Beef?” series on raising cattle on small farms, we share how stocker cattle can provide a quick, easy way to get into the beef industry without a huge investment.*

By Rich Taber

If you are new to farming, or just want to take a break from the normal paradigm of raising beef cows and calving them out each year, then you might consider raising stocker cattle. A class of cattle known as “stockers” utilize pasture to add weight inexpensively. These are generally young, lightweight calves born in the previous year, purchased in the spring of their second year, that graze during summer. They are then sold at the end of the grazing season to farmers or feedlots that finish them to market weight.

Growing stocker cattle requires minimal investment in machinery and buildings compared to other types of beef cattle enterprises. This low barrier to entry provides an exciting opportunity for beginning farmers, whether they be new to agriculture or farmers interested in diversifying. Access to land (which can be leased) and capital to purchase cattle are the major requirements.

New York State does have a fair amount of land that would lend itself very nicely to grazing stocker cattle. The one major requirement is that you need is to have a good grazing infrastructure, consisting of good grass, watering systems, and fencing. You don’t even need to own your own land for this type of enterprise and can get into it very nicely with leased grazing lands.

“The deal,” in a nutshell, is as follows: Come springtime, you go to livestock auctions and

buy calves that were weaned the previous autumn, bring them home, and graze them into the autumn of their second year. If going to auction barns does not suit you, you can contact an order buyer who attends lots of sales and commission them to procure calves for you. Then you sell them and hopefully make some profit.

There are several advantages to this business model:

1. You don’t need expensive buildings to house the animals, as this occurs during the warmer months of the year. Little to no cover is needed as the animals are in your possession spring through autumn, avoiding the harsh winter months.

2. You don’t need a lot of expensive purchased or self-made hay, as the animals will be grazing for most of their time with you. Pastures, while not free, are indeed a lower input type of enterprise. You will need a little bit of stored hay or baleage to tide you over during dry spells.

3. You don’t need to overwinter a bunch of hungry brood cows, thus negating most of the hay requirement. You also avoid the daily requirement of feeding and tending to those cows. You don’t need to fight with an unhappy tractor that might not want to start all that well in the cold weather either. You can avoid howling winds, deep snow, ice, and frozen extremities.



*Stocker cattle grazing during the warmer months of the year on rough land.*

*Rich Taber / CCE Chenango*

4. You don’t need much of any farm equipment to raise these kinds of cattle; maybe a smaller tractor and brush hog to keep pasture paddocks trimmed would suffice.

Like any animal enterprise, you will need to bring your “A” game with respect to health management and vaccination protocols. You don’t want to be purchasing a bunch of calves from different sources and then dump them all together at one time; this is a recipe for disaster. You should consult with a veterinarian ahead of time about the best vaccination schedule.

You will need to have a handling facility on the property; stocker calves can be wild and feisty and a squeeze chute is of paramount importance in handling these animals. Some vets will refuse to come to your farm if there’s no way to safely handle the animals. It can be downright dangerous trying to do management protocols on these animals if they are not restrained correctly.

Another consideration is training new animals to your electric fences. New animals might just sail through your existing fences if you bring them home and unload them without proper fence training. You may need to house them in a barnyard with stout perimeter fences as an “insurance policy.” Then you set up electrified hot wires a few inches out from your permanent fences. It won’t take too long to get the animals to get shocked and trained to the hot wires.

As far as grazing goes, you would follow all of the principles of rotational grazing that any other class of grazing animal takes. You are trying to get the animals to gain weight on grass; daily weight gains can range from 1.2 to 1.8 pounds per day. You need to have high quality grasses and move the animals through different paddocks every three to five days. You will need a good salt and mineral mix available to the calves as well.

Stocker cattle can be an excellent enterprise to “get your feet wet,” so to speak, and to see if you like raising cattle. Give them a try!

An excellent document providing information on stocker cattle is the “Stocker and Back-grounding Self Assessment” available from the Beef Quality Assurance Program. This can be found at [nybpa.org/assurance.html](http://nybpa.org/assurance.html) and [bqa.org/Media/BQA/Docs/stocker\\_assessment.pdf](http://bqa.org/Media/BQA/Docs/stocker_assessment.pdf).

This is the 12th installment in our ongoing series of beef management articles for the new and small-scale farmer. Previous versions may be seen in the archives of the Small Farm Quarterly at [smallfarms.cornell.edu/quarterly/archive](http://smallfarms.cornell.edu/quarterly/archive).

*Rich Taber is Forestry, Grazing, and Livestock Educator with CCE Chenango. He lives on a farm in nearby Madison County with his wife Wendy where they raise and grazed beef cattle and other creatures.*



*These small calves will make ideal stocker cattle for the following year.*



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# Farmer Veterans: Starting at Square One

*Military service generates multiple transitions points for veterans, and these experiences can support a veteran's transition into agriculture.*

By Nina Saeli

The life transition into the military begins the day individuals raise their right hand. On that day, a person becomes one of a small percentage of Americans who enter military service. It is the day your life changes forever. A servicemember may transition into a new job every 12 - 24 months, pack their belongings to transition to a new duty station every two to four years, or leave the safety of their home to deploy across the globe for an undetermined amount of time – each time, starting from square one; each time going into that new job, position, or location with more knowledge and skills than the time before.

Farming may be considered a far stretch from a veteran's past or current life experiences, and the decision to transition into farming may feel complex and daunting. Yet if veterans were to remember what it felt like that day they raised their right hand, swearing "to bear true faith and allegiance to the same..." and then reflected upon the endless trainings and experiences that prepared them to step out of their comfort zone and act and/or lead under conditions and circumstances that could literally blow up in their face, then farming may not feel so complex or daunting. Still, for many veterans without a farming background, it does mean once again having to start from square one.

The Cornell Small Farms Program (CSFP) understands this concept of starting a farm or agricultural business from square one so well that they named a course after it: "Starting at Square One." This course, available to anyone considering starting an agricultural business, provides a stepping-stone for an individual's transition into farming. "The BF 101: Starting at Square One" online course emerged from my own experiences starting a farm from scratch, as someone who did not come from a farming background. We cover a lot of ground in the course, from getting clear on your resources and vision to evaluating land for farming, choosing enterprises, and financing start-up. We designed a second course to follow BF 101 that brings in additional essential explorations, called "BF 102: Exploring Markets and Profits."

In autumn 2021, NYS veterans were offered free enrollment in this course, along with the option to attend veteran-only cohort sessions. When taking a CSFP course, an individual may be in the classroom with people from all over the U.S. and even across the globe. Additional veteran cohort learning sessions offer the opportunity for veterans to collaborate, exposing them to new careers, opinions, experiences, ideas, and facilitating network and relationship building.

Army veteran Sara Morganti and Marine veteran Joe Morganti started Morganti Farm LLC in Newfield, NY, to create an income stream from home. Sara enjoys the challenge of growing plants, raising animals, and learning how to be more efficient and productive. Joe enjoys being outdoors, and he feels that farming provides a grounding process for him. Sara and Joe currently manage just under 14 acres. Together they start their day feeding the animals, then focus on various farm chores, such as seeding, transplanting, weeding, or harvesting, depending on the time of year. Typical of many farm families with off-farm jobs, Sara attends to farm work until she goes to her off-farm job, while Joe works later in the afternoon until dark.

Sara and Joe took the online "Starting at Square One" course and attended the veteran-only cohort sessions. At that time, Sara and Joe were raising meat rabbits and growing vegetables. "In 2022 we added a half-acre of fruit trees and in 2023 plan to expand our vegetable crops to two acres, in addition to raising 100 laying hens and 150 meat chickens," Sara said. They currently raise two pigs for personal consumption but intend to research raising pigs on pasture as part of their farm business.

Sara and Joe have taken other CSFP online courses, attended Farm Ops virtual and in-person events for veterans, and constantly read to stay abreast of agricultural science topics and new research. They understand that when it comes to establishing a farm business, one size does not fit all.

"Starting was a struggle. Going through the process of figuring out what works and doesn't work for us was a pretty lengthy process," stated Sara.

The Starting at Square One course provides a menu of weekly webinars, relevant readings, homework assignments, and discussion forums to share reflections and questions. "The webinars usually feature successful farmers talking about how they got started and offering advice learned from hard experience. This combination of listening, reading, then applying concepts to one's own situation helps people absorb the course content," Sara said.

Starting a farm business takes more than just understanding how to produce salable items; farmers must also maintain their equipment and wisely manage their profits to keep the farm business viable. "Purchasing the equipment we needed was super expensive and was compounded by having a lot of infrastructure repairs on both the farm and our house," commented Joe. "We really wanted to do the right thing, but we have had to compromise to make it more affordable while we grow into what we want."

Navy veteran Lou Russell Jr. purchased his 26 acres farm in Galway, NY, in May 2021. "Although it came with very little equipment or infrastructure, it did come with two cows as part of the sales deal," said Lou. "Now I'm up to seven. I love the hard work, the rewarding feeling that comes with it, and the feeling of freedom in that I'm raising my own food."

Lou decided to focus his farming efforts on the theme of "Farm Fresh Proteins" and his current product line includes beef, pasture raised pork, free range chickens, and eggs, and he recently added heirloom dry beans.

Lou often talks about how he did not come into farming with an agricultural background. "I fell in love over the years going to county fairs and visiting farms wherever I was stationed for various duty assignments," he said. "I just decided to get started and would figure it out along the way. The Farm Ops project and the veteran cohorts have helped tremendously. Then I joined the Farmers Veterans Coalition and of course received support from other local farms as well. I made a lot of connections and have learned continually from my new-found connections at the local farmers market."

Lou applied for and received scholarships for the CSFP "Starting at Square One" and "Getting Started with Pasture Pigs" online courses with veteran-only cohort session through the Farm Ops project. "Running any business today is difficult, and finding the time, resources, and people to mentor you through the process is one of the most important seeds for putting down a supportive root system and growth!" Lou stated.

The cohort sessions allowed Lou to interact with 23 other veterans also taking the "Starting at Square One" or "Pasture Pigs" online courses and five NYS farmer veterans currently raising pigs or operating other successful farm businesses. "If it were not for the veteran cohorts, there is absolutely no way my farm would be past even a germinated seed's phase of growth. I am so grateful to my brothers and sisters in the cohorts," Lou said.

During a cohort session Lou was introduced to the concept of food aggregation as a means of providing fresh farm products to communities where farm products are difficult to obtain. Although still developing his business model, Lou now works with local and regional farmers, including farmer veterans he met during cohort sessions, to provide eggs, chicken, and pork to his local market.

Lou has an off-farm job in addition to his farming business, Jireh Organic Farms &



Sara Morganti with one of her famous layers, Greta.

Courtesy of Sara Morganti

Livestock of NY. He starts his day with what he calls "computer chores" – a combination of office work for his employer and tasks to support and run the farm business, such as purchases, social media, or whatever seems urgent at the time. He then transitions to outdoor farm chores, such as gathering eggs for packing and feeding the cows.

"We all have to work for someone and take orders, and veterans get a good amount of that while in the service. I always wanted to own land, and now that I'm farming, I take orders from customers to provide them farm fresh food, and my customers really appreciate what farmers do for them, which makes it all the more rewarding," commented Lou.

Lou compares his farming learning curve to "drinking from a fire hydrant." "Startup has been slow and with many frustrations, but I've learned to have patience. It's sort of like a deployment: you train, train, train, and when the time comes, you just go, whether you think you are ready or not – see you in six to 12 months!" he said. "The biggest challenges

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# Outreach Supports Black Rural Landowners in the Northeast

*Black landowners account for less than 1% of private Northeast forestland.*

By James Dean

For Sydney Antonio, a love of forests took root during childhood summers visiting up-state New York, where she and her cousins explored family-owned property covered by red oak, white ash, hard maple, and other trees.

Today, she and her husband, Evon Antonio, sustainably manage 450 of those acres in Greene County as certified tree farmers and New York Master Forest Owner volunteers. But while their history and credentials resemble those of many fellow forest stewards, peers are often surprised when they meet.

"Quite frequently you sign up to go to a seminar, and when you show up everybody's jaw drops because you're Black and they never expected it," Sydney Antonio said. "All of my life. I just chuckle to myself and pretend I didn't notice."

The Antonios shared their experiences in "The Stories Trees Have to Tell: Black Land Stewardship in the Northeast," an outreach publication launched recently by Shorna Allred, professor of natural resources and the environment and of global development in the College of Agriculture and Life Sciences, and colleagues from UMass Amherst.

Supported by a grant from the College of Arts and Sciences' Rural Humanities initiative through an Andrew W. Mellon Foundation award, the 30-page publication highlights the stories of five Black owners

of forestland in Massachusetts, New York, New Hampshire, and Vermont. The researchers share resources and recommend policies to expand access and support for current or prospective minority landowners facing legacies of discrimination.

"In the past, many Black landowners were denied access to federal programs supporting land ownership and farming, and that history of systemic discriminatory practices has to be acknowledged, recognized, and overcome," Allred said. "We thought the place to start was to listen to minority landowners and understand the context for their land stewardship and land management."

The publication – shared with government agencies, nonprofits, land trusts, and Extension offices – is part of "Your Land, Your Legacy," an initiative that encourages sound stewardship practices, estate planning, and communication to help families sustain ecologically and financially valuable forests over generations.

Individual planning and stewardship decisions are critical in New York, Allred said, where about three-quarters of the state's 19 million acres of forestland is privately owned. Black owners are rare – estimated to own just 1% of private forestland across the Northeast, according to the researchers. Those interviewed for the publication echoed the Antonios in saying that while it hadn't deterred them, they knew few, if any, peers who looked like them.

"All my mentors and those in my technical



Evon and Sydney Antonio sustainably manage 450 acres of forestland in Greene County, NY.

assistance network have been giving, wonderful, and nice," said Charles Harrison, who owns land in Ulster County, NY, and in Massachusetts. "But they all don't know what it's like personally to grow up Black, let alone a minority, doing something like this."

The five featured landowners each discuss how they acquired their property, their stewardship goals, issues they've faced, and obstacles or opportunities ahead. Harrison, for example, tapped many Extension resources online, including Cornell ForestConnect, but sought more technical and financial support for a packaged food startup utilizing some of his land.

At the policy level, the researchers recommend facilitating networks for Black landowners and increasing conservation-based estate planning, access to land and assistance programs, and other engagement to address stereotypes and racial disparities in ownership.

A recent grant from the U.S. Forest Service will advance the project's next phase, focused on developing peer-to-peer learning networks. Allred said the effort would be modeled after the U.S. Endowment for Forestry and Communities' Sustainable For-

**Black landowners 10**



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# Ancient Farming Strategy Holds Promise for Climate Resilience

*“Duragna” is a mix of wheat and barley, and sometimes other grains too, planted together rather than one type of grain sown in orderly rows.*

By Susan Kelley

Morgan Ruelle, Ph.D., was living in the remote mountains of Ethiopia in 2011, researching his dissertation on food diversity, when he kept hearing about a crop that confused him.

The farmers repeatedly mentioned a grain called “duragna” in Amharic that had no equivalent in English. “They kept saying, ‘Well, it’s not really wheat, it’s not really barley,’” Ruelle said. “I was just kind of stumped by it for several weeks.”

Eventually a farmer explained that duragna was actually a mix of both wheat and barley, and sometimes other grains too, planted together, rather than one type of grain sown in orderly rows.

He had stumbled upon one of the few places in the world where farmers still sow maslins, or cereal species mixtures, which can contain rice, millet, wheat, rye, barley, triticale, emmer, and more.

The knowledge the farmers shared with Ruelle led to a paper by current and former Cornell researchers that suggests maslins, which have fed humans for millennia but now are largely forgotten, have the unique capacity to adapt in real time to increasingly unpredictable and extreme weather caused by climate change.

The research, funded by a grant from the Cornell Atkinson Center for Sustainability, braids together previous work in agronomy, ethnography, archeology, history, and ecology. It shows maslins – from a Latin word for “mixed” – have been used for more than 3,000 years and in at least 27 countries, from northern Africa to Europe and Asia and later North America. Wild maslins may have even given rise to agriculture.

“Subsistence farmers around the world have been managing and mitigating risk on their farms for thousands and thousands of years

and have developed these locally adapted strategies to do that,” said former Cornell postdoctoral researcher Alex McAlvay, the paper’s first author and now a researcher at the New York Botanical Garden. “There’s a lot we could learn from them, especially now, in a time of climate change.”

## More Rapid Than Evolution

At first, Ruelle (now an assistant professor of environmental science and policy at Clark University) thought farmers were growing maslins together, and then separating the components during the harvest – easy enough with other mixed plantings like fava beans, which grow tall, and low-growing field peas. But wheat and barley? “I couldn’t imagine them going through the field and saying ‘This is wheat, this is barley.’ That just seemed very difficult.”

Then he began to realize why farmers think of the mixture as a single crop. Women began telling him they use it to make bread, beer, injera (a sourdough pancake) and kollo (a popular snack of roasted cereals, legumes, and oilseeds). The wheat and barley are planted together, harvested together, and prepared and consumed together. “Right away we were thinking, the proportions [of wheat and barley] must change year to year,” Ruelle said. “It’s this continuously evolving responsive entity. On its own, it’s operating outside the farmer’s control to respond to whatever conditions happen.”

For example, if an unusually heavy rain destroys half the plants, the plants that are still standing are well adapted to that rain event, said Anna DiPaola, a doctoral student and a co-author of the paper. “Nature is giving the farmer feedback and saying ‘This is well-adapted. Plant this again.’”

And if a drought makes it a bad year for wheat, barley, which tends to be more drought resistant, will compensate and produce a better yield, Ruelle said. “So no matter what, you’re going to be able to make bread with this.”



Nikoloz Lomsadze, senior pastor of a church in Dedoplistskaro in eastern Republic of Georgia, looks over his field of mixed barley and wheat. He uses the grain mixture for holy sacraments and church feasts.

McAlvay found farmers extolling that benefit during research in the country of Georgia. On their first field trip there, in summer 2022, he talked with a priest who was growing a mixture of wheat and barley, which he uses for holy sacraments and church feasts. “He said, ‘If one fails, at least we have the other.’ The translator used the exact same words that the translator in Ethiopia had used. I thought, ‘Wow, this is a phenomenon,’” McAlvay said.

The proportions in the mixtures shift from year to year, automatically adapting to the growing conditions at hand. If an area is getting increasingly drier, the wheat won’t grow as well, and the seed the farmer saves for the next planting will automatically include less wheat and more barley, McAlvay said.

“It’s more rapid than evolution. If you had just one weak variety, it would take a long time to adapt,” he said. “But if you have multiple species and multiple varieties, those shifts

can happen very rapidly.”

That capacity makes maslins a perfect strategy for dealing with climate change – especially because they are more immediately scalable in a way that other polycultures aren’t. New machinery would be needed to harvest beans and corn grown together. “But we’ve had the technology to harvest these grains for a long time,” McAlvay stated.

Moreover, researchers have been encouraging farmers to adapt to future average conditions, whether warmer or drier, Ruelle said. “But I’m much more worried about variability in the weather increasing, and farmers having to deal with a really hot year followed by a really cool year or a late season followed by an early season,” he said. “I hear farmers in Ethiopia saying ‘I don’t know what to do – the weather is so unpredictable now.’”

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## Black landowners from 9

estry and African American Land Retention Network, which successfully built networks in southern states where Black land ownership is more prevalent – but still down dramatically over the past century.

“As a community dedicated to the health of the land and the people that depend on it,” the researchers conclude, “we have an important role to play in using our knowledge and skills to help all those interested in land ownership to achieve their goals.”

Additional partners and funders for the project to date include the USDA’s Renewable Resources Extension Act; the Cornell Small Farms Program; UMass Amherst’s Family Forest Research Center; and a grant provided to the Center for Northern Woodlands Education from the Bailey Charitable Foundation.

This article originally appeared in the Cornell Chronicle.

James Dean is a staff writer for the Cornell Chronicle focusing on social sciences; law and public policy; and architecture, art, and planning.



Charles Harrison owns 68 acres of wooded property in New York and Massachusetts. Lisa Godfrey / Provided

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## Ancient farming from 10

Maslins could help farmers thrive in a wider range of conditions, he said. "We're raising awareness about an Indigenous system that helps farmers deal with variability."

### An Ancient Strategy

Despite having once been so widespread, the strategy of sowing maslins has flown under the radar, said disease ecologist and agroecologist Alison Power, a co-author of the paper and a professor of ecology and evolutionary biology, and science and technology studies, in the College of Arts and Sciences. Ruelle and McAlvay were post-docs in her lab.

Power hadn't encountered the concept until she read Ruelle's dissertation as an adviser on his committee, even though she had been working in the field since the early 1980s. "I said, 'They do what?'" Power recalled. "The most surprising thing to me was that it goes back so far and that it's such a widespread practice that continues to this day in several parts of the world. Most of us in the agroecology community – this was not something we were aware of."

She credits Zemedu Asfaw, a professor of ethnobotany at Addis Ababa University, with helping the Cornell team and others understand the practice.

Although maslins may not be well known now, they may have grown together in the wild and formed the basis of farming in the Fertile Crescent, the researchers say. There's evidence that before domestication of these crops, people were planting mixtures of the wild versions, McAlvay said. Wild einkorn and wild emmer grow together, as do wild barley, wild rye, and wild oats.



A farmer holds multiple varieties of wheat and barley from his field in Kutabir District, Amhara, Ethiopia.

"I've talked to some Israeli scientists who said that they never find wild wheat without wild barley," McAlvay said. "These grains have been co-evolving for many, many thousands of years."

In addition to human food, maslins have been widely used for livestock fodder; barley/oat, oat/rye and oat/wheat mixtures were planted in North America at least until 1889.

Maslins started falling out of favor starting in the 18th century – not because they didn't work, but because of mechanization of harvesting equipment as well as scientific agriculture that encouraged farmers to plant one uniform type of cereal to produce a uniform product for the industrialized food industry.



Mixed grains grow in the Republic of Georgia. Researchers on the project say Georgia is arguably the center of wheat diversity; at least 12 different types of mixtures were traditionally grown in the country until recently.

But the practice continues today in Eritrea, India, Georgia, Greece, and Ethiopia. In Sudan, farmers grow a mix of rice and sorghum in areas that flood predictably; rice grows in flooded zones and sorghum grows under drier conditions.

In addition to its climate-adaptation benefits, maslins can produce greater and more stable yields, are more tolerant of drought, and better resist pests and weeds, when compared to single crops.

That's because multiple types of plants respond differently to stressful conditions. The plants' different characteristics, such as height and root depth, and different ecological roles mean the plants grow complementarily, rather than in competition, and use light and below-ground resources more efficiently compared to single crops.

A mix of Eritrean wheat and barley outperformed sole-cropped wheat and barley by 20% and 11%, respectively, and yielded a higher quantity of flour per unit compared to pure barley in a field trial. Power said many questions about maslins remain. Do maslins provide better nutrition than monocultures? Could maslin components be used to track environmental trends? How do ecological mechanisms underpin maslins' performance?

"What we'd like to do is experiments, to test the notion that these could be useful in all the ways that we propose in the paper," she said.

Fieldwork in Ethiopia was put on hold due to the pandemic and political conflict there. So the team began testing their theories closer to home – at Cornell's Thompson Vegetable Research Farm in Freeville, NY.

### Praying For Aphids

Anna DiPaola popped open her laptop computer and fired up a PowerPoint presentation that will become the first chapter of her doctoral dissertation. She launched a slide deck showing 66 orderly test plots measuring two meters by two meters in which she's growing different varieties and combinations of barley and wheat on the test farm in Freeville. "I wanted to plant North American seeds in a North American field and see if the concept holds up here," she said.

As a member of Power's lab, she's testing whether different combinations of wheat and barley will be more resistant to barley yellow dwarf virus, which affects the economically important crops barley, oats, wheat, maize, triticale, and rice. The virus can yellow the

plant's leaves, stunt the roots, delay seed development, reduce yield, and increase the plant's susceptibility to fungi.

Aphids carry the virus and transmit it to the plants when they eat the plants' sap. "Most farmers are not hoping for aphids to attack their crops," DiPaola said. "I was praying for aphids."

Insights from her work will contribute to the team's upcoming research in Georgia and Ethiopia. The goal will be to ask farmers how and why they plant maslins, to collect seeds, and to test hypotheses. They'll do nutritional analyses to understand whether micronutrients could be lost by planting monocultures.

"This is a huge portion of the diet for many people," McAlvay said. "So if you're not planting the black barley, the red wheat, and just growing white wheat, are you suddenly missing iron or some of these other compounds? There's a big problem in Ethiopia already, with the hidden hunger issue of micronutrient deficiency."

And they're looking into whether maslins could offer even more benefits related to climate change. Compared with monocultures, maslins may produce more biomass – and take up more carbon than monocultures – because they tap into different nutrients and levels in the soil.

"What's exciting to me is wheat is the third-most grown crop in the world, millions of hectares," McAlvay said. "If you converted a large swath of what is just wheat into wheat and barley, you could actually make a difference."

This article originally appeared in the Cornell Chronicle.

Susan Kelley is the features editor for the Cornell Chronicle.



A farmer in Ambasel District, Amhara, Ethiopia, holds a mixture of wheat and barley varieties harvested from his field. Locally, this mixture is called "megamegu." Alex McAlvay / New York Botanical Garden

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# Smart Marketing for Specialty Mushrooms

*Results from a 2021 survey of specialty mushroom growers around the U.S. offer an interesting glimpse into this growing industry.*

By Kristen Park and Steve Gabriel

In January 2021, the Cornell Small Farms Program conducted a survey of specialty mushroom growers about their cultivation and marketing practices. We want to thank the growers for providing this valuable information which benefits the specialty mushroom industry and helps us develop our future research and education for growers.

When we talk about specialty mushrooms, we are not including the white button mushroom or even the portobello or cremini mushrooms (all *Agaricus bisporus*). Rather, we are talking about specialty mushrooms that include shiitake, oyster, lion's mane, king oyster, and others. These species tend to be more fragile to cultivate, pack, and transport. Thus, local producers have an opportunity to grow and sell specialty mushrooms to local markets which prioritize fresh and high-quality product.

Based on increasing demand for information from the Cornell Small Farms' specialty mushroom program in the last decade, our sense was that the interest and adoption of mushroom farming was on the rise. Therefore, we surveyed mushroom farms to find out more about their operations and markets.

From our survey, we found that most of our respondents (two-thirds of them) grow specialty mushrooms as part of a diversified farm, alongside other crops such as vegetables, forestry products, fruit, and livestock. The remaining respondents are specialists and grow and sell only fresh mushroom.

In general, the operations are small, with 72.9% of respondents selling less than \$50,000 in annual farm gross receipts. Growers use an average of 3.3 persons for their workforce, which was reported as self, family, or outside labor.

Many respondents (64%) reported a higher demand for specialty mushrooms than they could supply. This was true for respondents regardless of size.

## Popular Mushrooms & Products

What kind of mushrooms are specialty growers producing? Shiitakes are the most popular specialty mushroom species, grown by 79.7% of respondents. Although shiitake is the most popular, oyster and lion's mane cultivars are also very popular, as well as several other emerging species including

king oyster, chestnut, maitake. Still others are found wild by foragers.

Selling value-added products made from specialty mushrooms is a large part of many of our respondents' businesses. About two-thirds of growers also make and sell value-added products, including dried mushrooms, tinctures, powdered mushrooms, and pâtés. Dried mushrooms are the most popular value-added product sold by respondents, and just as many respondents, although not selling them currently, plan to do so in the future. Powdered mushrooms also are sold as a condiment or flavoring. Although not as many respondents are currently selling powders, many of them (46.1%) plan to in the future.

## Prices

Our mushroom growers sold most of their products at farmers markets, CSAs, or at a grower's farm stand, and prices received by our survey respondents through these direct-to-consumer markets were higher than prices for wholesale markets, such as restaurants, retailers, and institutions. The average direct-to-consumer price for all specialty mushrooms was \$15.99 while the average wholesale and institutional price was \$11.62, about 73% of what the direct price was.

In direct-to-consumer markets, "other" mushrooms were the highest priced (\$19.40). These "other" mushrooms included wine cap, pioppino, strophia, maitake, coral tooth, black pearl, morel, lobster, bears head, reishi, almond, comb's tooth, chanterelles, and chicken of the woods. Many of these types of mushrooms are often either foraged or are very specialized.

Lion's mane (\$17.22), chestnut (\$16.59), King oysters (\$16.49), and shiitake (\$15.01) were priced in the middle, and oysters were the lowest priced (\$14.18).

Quality and locally grown influence how much growers can charge. The high quality and local nature of a product may support higher prices. Some other factors influencing price often include proximity to urban markets or tourist areas as well as presence of competition from other producers in the same market.

When setting prices for products, it is important not to just copy what is seen "in the market" but also balance demand for your products with the ability to pay for all production, marketing, ownership labor, and management costs. Growers need to understand how to price their products as a critical function of their enterprise. See the resources at [CornellMushrooms.org](http://CornellMushrooms.org) for more information.

## Final Thoughts

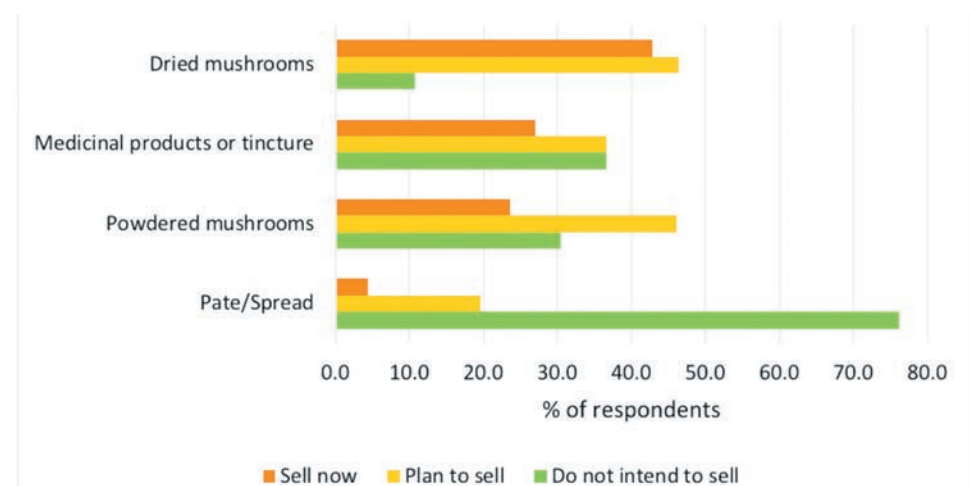
The survey results seem to offer a promising opportunity for established and new growers, where market demand remains higher than supply, high quality and locally produced mushrooms are valued, and where pricing remains high on a per pound basis. The price points and reports of high demand is notably still positive almost 10 years after we first heard this from growers.

The specialty mushroom project of the Cornell Small Farms Program will take these research results and continue to develop useful, targeted materials for specialty mushrooms growers. There are many supporting resources available at the main site, [CornellMushrooms.org](http://CornellMushrooms.org), including growing guides, webinar recordings, and information on marketing, regulations, and other aspects of running a specialty mushroom enterprise.

This material is based upon work supported by USDA-NIFA and Northeast SARE program under sub award number ENE19-156-33243. Visit [cornellsmallfarms.com/2021-mushroom-survey](http://cornellsmallfarms.com/2021-mushroom-survey) for the full results.

A version of this article also appeared in "Smart Marketing," a newsletter for Extension publication in local newsletters and for placement in local media.

Kristen Park is with the Dyson School of Applied Economics and Management and Steve Gabriel is with the Cornell Small Farms Program at Cornell University.



Mushroom products sold by respondents, current and future items

## Square One from 8

are easy to guess – always more things to do and learn than you have time or resources. You just have move slow and steady, and when you look back you won't believe where you are compared to where you were when you started. As for the progress of my farm – if not for Cornell Small Farms, Farm Ops, and the veteran cohort, I can surely say I would not be selling 'farm fresh eggs' or have the Homegrown by Heroes member-

ship. The cohort for me is the purest form of support in a judgmental-free zone. We can only succeed together!"

Nina Sacli retired from active duty in 2009. She and her husband, Jeffrey, own and operate Centurion Farm in Locke, NY. Nina now works with the Cornell Small Farms Program as coordinator of the Farm Ops project supporting veterans in ag.

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# New Tomato Bred to Naturally Resist Pests and Curb Disease

*A Cornell researcher has completed a decades-long program to develop new varieties of tomato that naturally resist pests and limit transfer of viral disease by insects.*

By Krishna Ramanujan

A Cornell researcher has completed a decades-long program to develop new varieties of tomato that naturally resist pests and limit transfer of viral disease by insects.

Martha Mutschler-Chu, a plant breeder and geneticist who leads the program, recently deposited an initial set of insect-resistant tomato research lines in the USDA germplasm system and the Tomato Genetics Resource Center at University of California-Davis, which will be available for anyone to access the plants for research.

This spring, Mutschler-Chu will complete development of a new set of 20 elite lines, which will then be made available to any interested seed company, which may breed the pest resistant traits into commercial varieties. Breeding new varieties could take seed companies up to five years before they start selling new insect resistant varieties.

For growers, these benefits will offer less crop loss and fruit damage while also eliminating or reducing pesticide use and protecting the environment.

Pest resistance in these tomatoes was adapted from a wild tomato native to Peru, *Solanum pennellii*. The Andean tomato has little hairs called trichomes that excrete droplets of sugar compounds, called acylsugars, which repulse insects. In this way, the plants safely and naturally deter a wide variety of insects, preventing them from feeding, eating leaves, and transferring viruses, or laying eggs, where larvae might damage plants.

"The new lines combine better quality plants and fruit with high acylsugars levels, a combination seed companies need to transmit the acylsugar trait into commercial varieties," said Mutschler-Chu, professor emeritus in the School of Integrative Plant Science, Plant Breeding and Genetics Section, part of the College of Agriculture and Life Sciences.

In field and laboratory tests of the initial research lines, plant scientists from Cornell and seven other university partners (North Carolina State University, University of Georgia, Clemson University, University of Florida, UC-Davis, University of California-Riverside, and Tennessee Tech University)

found that the right levels and form of acylsugars controlled western flower thrips that spread spotted wilt virus, and sweet potato whiteflies, which transmit yellow leaf curl virus. As a result, significantly fewer plants were infected with these devastating diseases and, in field trials, those infections occurred late in the season.

"For best virus control, I've suggested that seed companies use a dual-layer approach: create hybrids with both the acylsugar trait and standard virus resistance genes," Mutschler-Chu said. If insects manage to infect a plant with a virus in spite of the acylsugars, virus resistant genes provide additional protection.

"It's a system that will protect the virus resistance genes utility because if there's less virus getting into a plant, the probability that the virus will have a random mutation that generates a strain that overcomes the resistance also goes down," Mutschler-Chu said. Similarly, since acylsugars are non-toxic and don't kill insects, there is less selection pressure for insects themselves to become tolerant, so they adapt more slowly to the repellent.

The new elite lines, soon to be available to seed companies, have had most of the wild genes from *S. pennellii* that promote agronomically undesirable traits removed from their genomes. Mutschler-Chu retained critical acylsugar genes while removing many other wild genes that caused negative traits such as excess branches, small fruit, and an off-flavor. While initial research lines contained about 12% wild *S. pennellii* DNA, the newest lines are down to approximately 2.5% wild DNA.

In broader terms, the work practically demonstrates a



Martha Mutschler-Chu, professor emeritus in the School of Integrative Plant Science, Plant Breeding and Genetics Section, checks tomato plants in Guterman Greenhouses.

Jason Koski / Cornell University

process for incorporating a valuable trait, based on a safe natural compound, controlled by numerous genes, and that is effective against viruses and multiple pests, a strategy that could also benefit other crops, Mutschler-Chu said.

While the elite lines will be released non-exclusively for any seed company to breed traits into their commercial varieties, they will need to apply for a license with Cornell's Center for Technology Licensing before they can sell seeds.

The work was funded by the USDA.

This article originally appeared in the Cornell Chronicle.

Krishna Ramanujan covers life sciences research at Cornell University.

## A Path to Farm Community

*The Cornell Small Farms Program's "Reconnecting with Purpose – A Renewal Experience for NY Farm and Food System Educators and Change Makers" fosters a welcoming and trustworthy space for participants to explore challenges, to 'live their questions,' and to uncover a sense of clarity and direction in their work and lives.*

By Violet Stone

"One of the hardest things we must do sometimes is to be present to another person's pain without trying to 'fix' it, to simply stand respectfully at the edge of that person's mystery" – Parker Palmer

There are so many articles and videos emerging right now bringing attention to how taxing the work of farming in these times can be to farmers' minds, bodies, and spirits. We know that the challenges are not just in the hard physical work, the constant adaptation to extreme erratic weather, the breadth and depth of skills required, and the often elusive profit margin. Farmers, like all of us, need time and strength to focus on tension in relationships, wellness and health, healing from trauma, and a sense of belonging, connection, and community.

Those who are helpers and supporters of farmers (sometimes called service providers) are seeking ways to alleviate the isolation and distress farmers face. Some are designing mental health curriculum and offering trainings. Others are producing videos and resources. Yet these service providers who are incorporating farmer mental health

programs have their own challenges to contend with: an endless to-do list, a treadmill of email correspondence to stay ahead of, funding shortages, required trainings, organizational upheaval, and staff turnover, among others.

So what can we do when it seems neither farmers nor supporters can add one more "thing" to their plates, yet nearly everyone is stressed out, disconnected, fatigued, or depressed?

That is where our program "Reconnecting with Purpose: Renewal for Agricultural Educators and Changemakers" seeks to help. In this program, our participants – a mix of educators, change-makers, land stewards, farmers, and activists in the farm and food system – convene in a retreat space where we begin by settling into a long, slow, luxurious stillness. Once centered and grounded, we as facilitators begin by inviting the group into a carefully curated journey of themes and reflections. For some, this means naming barriers and burdens, and letting go of them or finding ways around them. For others, it means rediscovering and reclaiming

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# Establishing a Vibrant On-Farm Market

*Marketing at Red Wing Farm grew from a farm stand into a community cornerstone.*

By Avery MacLean

In the first segment of this three-part series, I wrote about how my partner and I established a small market garden, Red Wing Farm, as college students. In this segment I will detail how we were able to establish a vibrant market in a rural and isolated location.

Red Wing Farm is a market garden located on Grindstone Island in the St. Lawrence River. With a summer population of approximately 1,000, Grindstone Island is only accessible by boat, which significantly limits our access to markets. When we planted our first garden in spring of 2021, our primary goal was to learn about diversified vegetable production and we had no concrete marketing strategy.

When crops started maturing in June of our first season, we realized it was time to make a game plan. There was a small farmers market located on the mainland, in the town of Clayton, NY, and we signed up for the season. The market was supported largely by tourists who came to shop for handmade crafts and baked goods. There were three other established produce vendors at the market who supplemented their harvest with nursery plants and produce sourced from distributors out of Syracuse, NY.

It didn't take long for us to realize that our bunches of spring greens were unable to compete with melons, peppers, and tree fruit. Not to mention that our journey to the farmers market was long. First, we loaded our harvest and supplies into a wagon pulled by tractor, then into the boat, then finally into our truck on the mainland. After a few weeks of schlepping and minimal sales, it was clear we needed an alternative plan.

After our unsuccessful attempt at the local farmers market we decided to try to sell our produce on the island, and the idea of "farm stand" was born. Despite having a substantial summer population, Grindstone Island lacks community and commercial gathering space aside from the Methodist church and a winery. Our goal was to create a weekly community event on Saturday mornings. We offered free hot coffee, a variety of baked goods, and whatever produce was available from the garden each week. We painted signs and placed them around the island. We advertised our new event at church, at the Grindstone Island Winery, and on the island's community Facebook page.

When our first Saturday arrived, we didn't expect anyone to come, our farm being located at the dead end of a long dirt road

and folks being busy with summer activities. However, when 10 a.m. came around a slow stream of ATVs rolled across our field. As word of mouth spread, our weekly crowd grew each week. In comparison to the farmers market, we were making five times the income in half the amount of time.

In addition to the farm stand, we offered surplus crops to the local natural food store in Clayton, NY, the Hunner's Market. We were fortunate to develop a friendship with the owners who understood the nuances of farming and were grateful to receive any local and organically grown produce as it was available.

As we expanded our growing space in our second season, we decided to try to expand our market for produce as well. We decided to offer a small 10-week CSA to island members available for pickup on Wednesdays. The idea is that this would add another harvest day to our schedule and teach us about another method of marketing produce. Our CSA members were offered perks such as free access to U-pick flowers and herbs and 10% off produce at the farm stand.

In our first two seasons farming on Grind-



*Their farm stand offered whatever produce was available from the garden each week, plus free hot coffee, a variety of baked goods, and more.*

Avery MacLean / Red Wing Farm

stone Island our marketing strategy for produce was fluid and evolving. Because of the nature of our location and community, we were able to establish a vibrant market and community gathering space on the farm. I attribute our success in part to the resources and strategies that were provided to us by the Cornell Small Farms Program and our local Cooperative Extension office.

In addition, communicating with our community directly via Facebook and email lists kept our customers up to date and engaged. Offering diversified and seasonal products ranging from produce to baked goods con-

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birth gifts and strengths that are life-giving. For everyone, it means leaning in to our inherent human capacity to deeply listen, receive, and support one another.

As facilitators, we are not experts of wellbeing nor do we have academic degrees in mental health-related fields. We are genuinely caring and committed to creating a safe and trustworthy container for our participants to uncover and speak their truths. We both lead and follow, share and listen alongside our peers and colleagues. We are grateful to draw from a set of practices and principles put forward by the Center for Courage & Renewal to guide our ways of being together in the program. These touchstones come from multiple wisdom traditions and have served thousands of communities around the world over the past 30 years. As facilitators, we practice them not just in "Reconnecting with Purpose" but in many aspects of our work and lives.

Two of these practices are offering attentive, open-hearted listening and asking open, honest questions. During the program, these practices are very simply the only ways we relate to one another in small groups. Too often when we confide a quandary or chal-

lenge we are facing to a friend or colleague, they fire back advice or their own solutions. When we are received with attention and questions in service of helping us hear ourselves – our inner teacher – it opens exploration. It can be surprising – even startling – to realize how simple it is to invite the voice of truth and clarity from our inner depths. The more practiced we become inviting and listening to our inner teacher, the more we become empowered by the reservoir of gifts, strengths, energy, and courage stirring and awakening within us.

At the end of our five-month journey together, we have uncovered a lot. Our respective learning, realization, and discovery is unique to each of us. Some quit their jobs or take a break from farming to pursue a vocation that is more aligned with their needs or passions. Others return with a renewed sense

of what is alive and meaningful and how they want to create change. In our closing circle, participants usually express that the greatest gift of the program is the sense of love, care, and connection they felt in community.

While meaningful and lasting friendships do form, eventually as time goes by and our lives evolve, our group begins to lose touch. But the ways of being together – the ways of stepping into luxurious stillness, receiving others with open-hearted listening, and asking open questions, inviting and learning from our inner teachers – those ways create love, care, and connection toward ourselves and others wherever our paths take us.

*Violet Stone has worked in the regenerative agriculture field in various roles for over 20 years. She is the program host of Reconnecting with Purpose, supported*



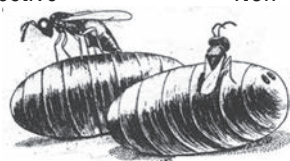
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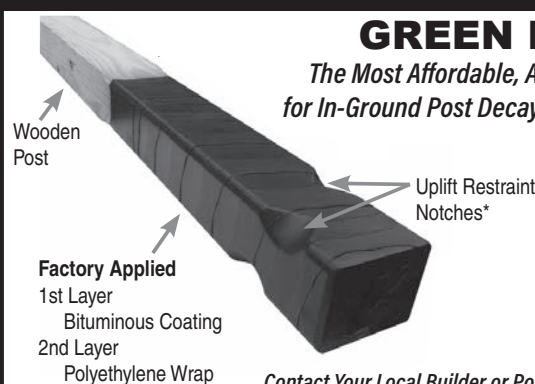


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### Stress management from 5

hundreds of decisions we make every day, harnessing their power can have sexy results, like increased profitability, joy, and stronger relationships.

Practicing HM begins with identifying your fellow decision-makers in whatever you're managing, whether it's a family, a farm business, an organization – or even just yourself. Who gets to decide what happens within that entity? In our case, my husband Craig and I are the decision-makers, though once our kids reached the age of 7 or 8 we started including them in decisions too.

The decision-makers sit down together and have some deep conversations about how they want their lives or their work together to be: harmonious? Financially lucrative? What does each decision-maker need in order to feel content?

Statements usually cover time, money, relationships, creativity, spirituality, health, and ecological impact, but can include any themes important to the decision-makers. Responses to these questions form the very beginning of a "Holistic Context" or "Holistic Goal."

Craig and I wrote our first Holistic Goal in 2002 – long before we had children or a farm – and fully revised it at least five times in the first decade, usually after realizing that we were failing to use it for decision-making because it was too basic, too poetic, or paraphrased too much from the HM textbook (because we wanted it to be "perfect"). It needed to be in our own words, and straightforward enough to easily use to guide our decisions. Our most recent draft articulates our desire for a thriving farm, loving family, strong sense of community, cozy home, good health, and enough time and money to travel and learn.

We also describe living in a place where the people feel a

strong sense of community, where farming is valued, biodiversity and soil health are strong, and all people feel welcomed and supported regardless of their identity.

Of course, not all of this has been realized yet, but the power of a Holistic Goal is in stating your intentions and desires in the present tense, and then investing everything you have within your power – your time, energy, and money – to make it happen.

There's much more to the whole process of writing a Holistic Goal; I only described the first part. And while writing it is a helpful exercise, it's only when you actually use your Holistic Goal to make decisions that it comes to life. There's a series of questions from HM to guide that process too. Because it's better learned from practicing with help during a course, as opposed to simply reading about it, I encourage you to take an Intro to HM course if you're curious – [holisticmanagement.org](http://holisticmanagement.org) is the best place to look.

So how did any of this help Craig and I survive the periods of both chronic and acute stress in our lives? During those early years of building our home, family, and business all at the same time, we could look at our Holistic Goal and see that even though our lives felt exhausting and hard in the moment, we still had (or were moving toward) the life we had described. We were building that cozy home to shelter our growing family. We were creating that farm that would nourish our family and community, and we were surrounded by loved ones who enriched our lives with good food and laughter. We could also see that at some point it would get a little easier (the baby would eventually learn to sleep more than 30 minutes at a time, right?).

Having this shared perspective on our life helped us know that even though the days were hard, we were moving in the right direction. This knowledge allowed us to operate as a team and support each other through that long challenging period, rather than taking out our frustrations and exhaustion on each other.

When the fire took away the heart of our farm in 2021, our 10

### Stress management 19

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tinuously drew in our customer base and allowed them to purchase much of their weekly produce on the island. Finally, we offered sliding scale pricing in order to be accessible to all members of our community.

Our marketing circumstances are no doubt unique, and we are lucky to be surrounded by a supportive and engaged community. Being able to adapt to our market and the demands of our

customers has driven our success in the past two seasons.

In the final segment of this three-part series, I will expand on our plans for the future and how we intend to move forward into our third growing season.

*Avery MacLean is a recent Cornell graduate and worked as an intern with the Cornell Small Farms Program.*



Red Wing Farm's goal was to create a weekly community event on Saturday mornings at their farm stand.

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# Crece el liderazgo agrícola latino en el condado de Suffolk con Futuro en Ag

**Ocurría algo peculiar en el curso de desarrollo de liderazgo agrícola de Futuro en Ag de Cornell Small Farms Program, celebrado en enero en el condado de Suffolk. Las flores colocadas en la sala de conferencia se mantuvieron en condiciones impecables durante todo el curso: no mostraron signos de estrés ni siquiera después de varios días. Al final descubrimos por qué.**

A Mildred Alvarado, Nicole Waters, y Tim W. Shenk

Ocurría algo peculiar en el curso de desarrollo de liderazgo agrícola de Futuro en Ag de Cornell Small Farms Program, celebrado en enero en el condado de Suffolk. Las flores colocadas en la sala de conferencia se mantuvieron en condiciones impecables durante todo el curso: no mostraron signos de estrés ni siquiera después de varios días. Al final descubrimos por qué.

En silencio, durante los recesos, los participantes en el curso, que eran líderes de equipo de un invernadero local, cuidaban estas plantas en macetas. Uno podaba las flores marchitas, otro introducía su dedo en la tierra para comprobar el nivel de humedad. Uno hubiera imaginado que no serían tan cuidadosos. Sin embargo, en el invernadero ellos cultivan flores todo el día. ¿No quisieran descansar? Al parecer no. Este pequeño detalle nos dio a los facilitadores del curso una idea de lo diligentes y apasionados que son en su trabajo.

Nuestro papel en los cursos de desarrollo de liderazgo agrícola de Futuro consiste en crear un espacio para que los empleados, líderes de equipo y supervisores de las fincas de habla hispana desarrollen habilidades de gestión en los entornos multiculturales en los que trabajan. Los agricultores y empleados latinos con los que trabajamos están deseosos de aprender herramientas para mejorar el liderazgo, la creación de equipos y la resolución de conflictos.

Un gerente se preguntaba por qué los empleados de su equipo no se abrían fácilmente a él para contarle sus problemas o preocupaciones. Otro participante respondió con un refrán español, En boca cerrada no entra mosca.

“En mi país” explicaba, “nos enseñan a no decir nada aunque estemos molestos o tengamos algunas ideas. Cuando intenta hablar es cuando llama la atención y nos metemos en problemas.” Los participantes aprendieron que podían estar haciendo suposiciones o valoraciones incorrectas sobre las acciones de otra persona si no comprendían su origen cultural.

En el proyecto Futuro en Ag nos hemos comprometido a apoyar el desarrollo del liderazgo de personas del sector agrícola que han sido ignoradas. Por ejemplo, dos líderes de equipo que participaron en nuestro curso dijeron que era la primera vez que recibían formación de gestión en Estados Unidos. Uno llevaba 26 años trabajando en Long Island, el otro 41. Futuro en Ag pretende llenar ese vacío, aportando formación innovadora a una comunidad con pocas oportunidades para el desarrollo profesional.

Al curso celebrado en enero en el condado de Suffolk asistieron 24 líderes de equipos agrícolas de 12 países distintos, lo que supone la formación más diversa del proyecto hasta la fecha. Estos líderes de equipo vivieron una experiencia intensiva de desar-

rollo profesional, abordando temas como la comunicación empresarial y organizativa, la formación de equipos, la resolución de conflictos y la inteligencia emocional en el liderazgo multicultural. Cuando se les preguntó por su motivación para asistir, su respuesta fue clara. Además de adquirir conocimientos técnicos, a los líderes de equipos latinos les interesan las oportunidades de mejorar sus capacidades de gestión, comunicación y liderazgo.

El proyecto Futuro en Ag pretende ofrecer estas oportunidades en colaboración con los propios agricultores latinos. Escuchamos y recogemos las opiniones de productores de todo el estado, y nos asociamos con operaciones agrícolas inclusivas y proveedores de servicios para garantizar que nuestro plan de estudios satisfaga las necesidades expresadas por las comunidades agrícolas latinas a las que servimos.

## Futuro en Ag: Cultivar Productos, Cultivar Líderes

El curso de Futuro en Ag del condado de Suffolk fue un encuentro único de culturas, que reunió a líderes de diferentes partes del mundo. Comenzamos el curso compartiendo nuestras historias familiares, objetivos y esperanzas para el futuro. Quedó claro que todos representamos los sueños de nuestros padres y abuelos, independientemente de dónde hayamos nacido.

Los participantes compartieron las características de los líderes que han cambiado sus vidas e inspirado el desarrollo de sus propias carreras agrícolas. Valoraron a los directivos amables, relajados y respetuosos que celebran sus logros y comparten sus retos. Apreciaron a los directivos que confían en ellos para tomar decisiones, les hacen sentirse valorados y modelan un liderazgo justo e integrador.

Este ejercicio ayudó a los líderes de equipo a reflexionar sobre su propio estilo de gestión: ¿Cómo podrían reflejar esas cualidades positivas con los empleados a su cargo? Se tomaron en serio ese reto y al final del curso empezaban a verse a sí mismos como parte de la próxima generación de líderes de la agricultura en el Estado de Nueva York. La mayoría aspiran a ser propietarios de sus propias casas, fincas y negocios agrícolas. Están entre los que proporcionarán alimentos, puestos de trabajo, estabilidad a la comunidad y administración de los recursos naturales y las economías regionales.

Los líderes latinos se enfrentan a muchos de los mismos retos que tiene cualquiera que intente ganarse la vida en la agricultura. Además, tienen que navegar las dificultades añadidas de las barreras lingüísticas y culturales. Basándose en esta experiencia, los estudiantes de Futuro han hecho las siguientes recomendaciones para un liderazgo agrícola más eficaz:

- Definir los roles y los objetivos basados en los valores y las habilidades del equipo, así como las del negocio.
- Desarrollar estructuras organizativas innovadoras e integradoras que sean a la vez

representativas y funcionales.

- Confiar y delegar funciones clave en empleados clave.
- Mostrar un aprecio explícito por el trabajo de las diversas comunidades.
- Comunicarse de forma que se entienda fácilmente y tener la paciencia para repetir la instrucción y la formación tantas veces como sea necesario para capacitar a nuevos líderes.

Para bien o para mal, los conflictos forman parte de nuestras vidas. A través de nuestro trabajo con las operaciones agrícolas multiculturales, hemos encontrado que los conflictos se centran en conflictos interpersonales y de liderazgo, sin embargo, dada la composición demográfica de la industria agrícola actual del Estado de Nueva York, no se puede pasar por alto la falta de comprensión cultural y el bajo nivel de habilidades de comunicación. La comunicación efectiva, la comprensión cultural, el establecimiento de objetivos comunes y la provisión de oportunidades de formación adecuadas para todos los niveles de empleados son recomendaciones adicionales proporcionadas por los estudiantes de Futuro para disminuir los conflictos en el lugar de trabajo y construir un fuerte liderazgo multicultural dentro del negocio. Los líderes agrícolas latinos deben tener acceso a oportunidades educativas que vayan más allá de las habilidades técnicas, para incluir todos los aspectos de la gestión agrícola. Es esencial que los empleados se sientan apreciados y comprendan la importancia de su trabajo para el negocio agrícola.

## Proporcionar un Futuro, No Sólo un Momento

El proyecto Futuro en Ag continuará sirviendo a la comunidad agrícola latina de Long Island a través de nuestra fructífera asociación con Cornell Cooperative Extension (CCE) del condado de Suffolk. La Directora Ejecutiva Vanessa Lockel y la dirigente del Programa Agrícola Nora Catlin nos acogieron el verano pasado, presentándonos a agricultores locales y proveedores de servicios. Esto condujo al curso de enero y a la representación de Futuro en el Foro Agrícola del condado de Suffolk.

“Futuro en Ag, y el Cornell Small Farms Program, presentan una gran oportunidad para

que los habitantes de Long Island provenientes de todo el mundo no sólo aprendan cómo funcionan realmente nuestros sistemas alimentarios, sino que también exploren una futura carrera en la industria agrícola,” dijo Lockel. “CCE Suffolk se enorgullece de asociarse y colaborar con este proyecto de empoderamiento.”

Lockel subrayó que una de las principales misiones de CCE Suffolk es crear un condado de Suffolk más inclusivo y celebrar la diversidad del condado. Señaló que hay casi tres millones de residentes latinos en Long Island y compartió el compromiso de asegurarse de que la programación de la agencia se extienda a esta importante población.

Probablemente las manos que cultivaron las flores de su mesa, podaron el árbol de manzana para su vaso de sidra, o cosecharon los vegetales que tiene en la nevera, pertenecen a un latino. Los latinos representan el 70 por ciento de la mano de obra agrícola de Nueva York, y nuestro objetivo es ayudar a los agricultores latinos a labrarse un futuro en este estado.

Mas informacion a [smallfarms.cornell.edu/projects/futuro](http://smallfarms.cornell.edu/projects/futuro).

Mildred Alvarado, Nicole Waters, y Tim W. Shenk componen el equipo del proyecto Futuro en Ag del Cornell Small Farms Program.

## Mildred Alvarado y Nicole Waters, núcleo del equipo de Futuro en Ag

La vida tiene una forma curiosa de reunir a la gente y unirnos en torno a objetivos comunes y metas más allá de nosotros mismos. Aunque Mildred creció en una pequeña finca de café en Honduras y Nicole se crió en una parte rural del estado de Nueva York, hemos descubierto que los agricultores de todo el continente americano tienen mucho en común.

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Growing Latino Leadership in Suffolk County with Futuro en Ag

Something peculiar was happening at the Cornell Small Farms Program’s Futuro en Ag farm management skills course in Suffolk County in January. The flowers set out in the conference room stayed in pristine condition throughout the course – they didn’t show signs of stress even after several days. We finally discovered why.

By Mildred Alvarado, Nicole Waters, and Tim W. Shenk

Something peculiar was happening at the Cornell Small Farms Program’s Futuro en Ag farm management skills course in Suffolk County in January. The flowers set out in the conference room stayed in pristine condition throughout the course – they didn’t show signs of stress even after several days. We finally discovered why.

Quietly during breaks, participants in the course, who were team leaders at a local greenhouse, were tending these potted plants. One person deadheaded wilted flowers, another stuck a finger in the soil to check the moisture level. One would think they would take a break from this. After all, they grow flowers all day at the greenhouse. Yet this small detail gave us facilitators a glimpse of how diligent and passionate they are about their work.

Our role in Futuro Farm Management Skills Development courses is to make space for Spanish-first farm employees, team leaders, and supervisors to develop management skills in the fast-paced, multicultural environments they work in. The Latino farmers and employees we work with are eager to learn tools to improve leadership, team-building, and conflict resolution.

One manager wondered why the employees on his team didn’t open up to him easily with problems or concerns. Another participant responded with a Spanish idiom: En boca cerrada no entra mosca, which translates to “A fly doesn’t fly into a closed mouth.”

“Where I’m from, we’re taught not to say anything if we have an idea, or if we’re upset,” he explained. “When you open your mouth is when you draw attention to yourself and get in trouble.” Participants learned that they might be making incorrect assumptions or



Graduates of the Futuro en Ag Farm Management Skills Course, Suffolk County, January 2023.  
Graduados del Curso de Liderazgo y Gestión Agrícola del Condado de Suffolk, enero del 2023.

Nicole Waters / Cornell Small Farms Program

assessments about another person’s actions if they didn’t understand their cultural background.

no matter where we were born.

In the Futuro en Ag project, we’re committed to supporting the leadership development of people in the ag industry who have been overlooked. For example, two greenhouse managers taking part in our course spoke up to say that this was the first managerial training they’d ever received in the U.S. One had been working on Long Island for 26 years, the other for 41. Futuro en Ag fills that gap, bringing innovative training to a community with few opportunities for professional development.

Participants shared characteristics of leaders who have changed their lives and inspired the development of their own agricultural careers. They valued friendly, relaxed, and respectful managers who celebrate their achievements and share their challenges. They appreciated managers who trust them to make decisions, make them feel valued, and model fair, inclusive leadership.

The course in Suffolk County in January was attended by 24 farm leaders from 12 different countries, marking the project’s most diverse training to date. These team leaders went through an intensive professional development experience, tackling topics such as business and organizational communication, team building, conflict resolution, and emotional intelligence in multicultural farm leadership. When asked about their motivation for attending, their response was clear. In addition to gaining technical skills, Latino farm managers are interested in opportunities to improve their management, communication, and leadership skills.

This exercise helped team leaders reflect on their own management style: How could they reflect those positive qualities with employees under their charge? They took that challenge seriously and by the end of the course were beginning to see themselves as part of the next generation of leaders in agriculture in New York State. Most aspire to own their own homes, farms, and farm businesses, and they are among those who will provide food, jobs, community stability, and stewardship of natural resources and regional economies.

The Futuro en Ag project seeks to provide these opportunities in collaboration with Latino farmers themselves. We listen and gather feedback from farmers across the state, and we partner with inclusive farming operations and service providers to ensure our curriculum meets the expressed needs of the Latino agricultural communities we serve.

Latino leaders face many of the same challenges as anyone trying to make a living in agriculture. In addition, they have to navigate the added difficulties of language and cultural barriers. Based on this experience, Futuro students have made the following recommendations for more effective farm leadership:

- Define roles and goals based on the values and skills of the team, as well as the business.
- Develop innovative and inclusive organizational structures that are both representative and functional.
- Trust and delegate key functions to key employees.
- Show explicit appreciation for the work of diverse communities.
- Communicate in a way that is easily understood and have patience to repeat instruction and training as often as necessary to empower new leaders.

**Futuro en Ag: Growing Produce, Cultivating Leaders**  
The 2023 Futuro en Ag Suffolk County cohort was a unique gathering of cultures, convening leaders from different parts of the world. We began the course by sharing our family histories, goals, and hopes for the future. It became clear that we all represent the dreams of our parents and grandparents,

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# Tarps, Mulch, and Timing: No-Till Tools to Rob the Weed Seedbank

*Research shows how the legacy of tarping and mulching can lead to fewer weeds in no-till vegetables.*

By Stephen Stresow and Ryan Maher

## The Woes of Weeding

One of the persistent challenges for organic vegetable farmers is managing weeds. These floral foes emerge each season from the weed seedbank – a collection of all the weed seeds in the soil. Now consider wanting to make the transition to no-till. Without tillage or herbicides, many farmers hesitate to make the leap or even risk giving it a try. Despite the challenges, a growing number of small farms are trialing new practices and finding no-till success.

Many of these farmers are utilizing tarps. Tarps can be used in many different ways, often after some form of tillage to help create a stale seedbed before planting crops. The short-term signs of success are often visible; many of us are enchanted by seeing white thread weeds emerging from warm moist, tarped soils. We can see those weed seeds germinate, search for light, and finally succumb to the darkness in a process known as “fatal germination.” Tarps can also be used to facilitate no-till systems by acting as a substitute for tillage and by killing living weeds between crops. In any case, tarps serve as a valuable placeholder on the farm, holding beds between crops and keeping weeds from gaining a foothold. The benefits of tarping can then take the form of fewer weeds in the following vegetable crop. As those successes add up, crop by crop and year by year, one question remains: How does continuous use of these no-till practices stack up to affect our weeds over time?

One way to answer that question is to measure the weed seedbank. The seedbank offers a glimpse into how effective our history of management has been at managing weeds. A large seedbank hints that weeds have been able to mature and “deposit” their seeds into the soil. Management strategies that work to draw down the seedbank have the potential to reduce the number of weeds in subsequent seasons.

To try and understand the legacy effects of no-till tarping practices, we have looked to our long-term permanent bed research experiment established at Cornell’s Thompson Vegetable Farm in Freeville, NY. In this experiment, we have managed a sequence of crops – cabbage, winter squash, lettuce, broccoli, and beets – over eight years. Over the course of this experiment, we have compared two unique tillage systems: 1) conventional tillage with a rototiller, where soils were tilled intensively between crops, and 2) a no-till system with



*In our experiment, when it was time to plant in spring, chickweed (and other winter annuals) were already well-established in bare soil and required multiple tillage events to kill.*

tarping, where tarps were applied between each crop instead of tillage to prepare seed beds for planting with little to no soil disturbance. To add some complexity, and a layer of organic matter, each of these tillage systems were implemented with and without the addition of rye mulch. Mulch was applied by hand at a rate of five to six tons/acre to select crops over the course of the crop rotation.

We have many lessons learned through this work (some still to emerge), but for the purpose of this article, we’re only going to get into the weeds about weeds! After seven years, we set out to measure the soil seedbank of this experiment to understand the legacy effects of our management practices and learn how to best rob the seedbank of its weed-spawning abilities.

## How do you measure the weed seedbank?

We estimated the seedbank using field-collected soils that were brought into the greenhouse. Getting weeds to grow usually is not a problem, but since our goal was to flush every weed from these soils, we gave them some special treatment. For four months, the soil got warm, 72° F tem-

peratures, was fertilized weekly, and was mixed every four weeks as a kind of stimulated tillage event. It also had wet/dry cycles that mimicked early spring rains. We even treated the soils to a seven-week cold stratification period to overcome seed dormancy for species that may have required it.

The result was multiple flushes of weeds until the soils and weeds (and interns) were exhausted. Each weed that emerged was identified, counted, and removed, and together they gave us an interesting story.

## Which weeds did we find?

We found 15 different weed species with the two most dominant ones being hairy galinsoga (*Galinsoga quadriradiata*), a summer annual, and common chickweed (*Stellaria media*), a winter annual. Many vegetable farmers in the Northeast cite galinsoga as their most problematic weed species, responsible for yield losses of 10% to 50%. This is partially due to galinsoga having no seed dormancy, being able to set seed as soon as 35 days after emergence, and producing multiple generations in a single season. Chickweed, too, can create about four generations per year and can reroot from cuttings in moist conditions.

We’ve been managing these soils for years so the prevalence of these two weeds was not too surprising – it was how many and where they showed up that was more insightful. Neither of these species has seeds that survive for more than a couple of years in the soil, which means that if you can keep them from setting seed you can start to see reductions in their populations. Understanding weed traits is important for developing management strategies that target specific weeds. For lifecycle descriptions of your common weeds and strategies to manage them on the farm, look to the comprehensive new SARE publication, “Manage Weeds on Your Farm: A Guide to Ecological Strategies.”

## No-Till, Tarping Triumphs

We found that no-till with tarping had 66% to 80% fewer weeds than conventionally tilled soils.

In our trial, tarps were most often applied in the early spring or over winter. When applied during this timeframe, tarps are poised to reduce winter annual weeds, like chickweed. At the beginning of planting season, chickweed is already firmly

**Weeds 19**

## Futuro en Ag from 17

For better or worse, conflicts are part of our lives. Through our work with multicultural ag operations, we have found conflicts to center on interpersonal and leadership conflicts, yet given the demographic makeup of the current agricultural industry of NYS, a lack of cultural understanding and low communication skill sets cannot be overlooked.

Effective communication, cultural understanding, establishing common goals, and providing adequate training opportunities for all employee levels are additional recommendations provided by Futuro students to decrease workplace conflict and build strong multicultural leadership within the business. Latino farm leaders should have access to educational opportunities beyond technical skills, to include all aspects of farm business management. It is essential for employees to feel appreciated and to understand the relevance of their work to the farm business.

## Providing a Future, Not Just a Moment

The Futuro en Ag project will continue serving the Latino ag community of Long Island through our fruitful partnership with Cornell Cooperative Extension of Suffolk County. Executive Director Vanessa Lockel and Ag

Program Leader Nora Catlin hosted us last summer, introducing us to local farmers and service providers. This led to the January course and Futuro’s representation at the Suffolk County Ag Forum.

“Futuro en Ag, and the Cornell Small Farms Program as a whole, presents a great opportunity for Long Islanders of all descents to not only learn how our food systems actually work, but also to explore a future career in the agricultural industry,” said Lockel. “CCE Suffolk is proud to partner and collaborate with this empowering project.”

Lockel stressed that a core mission of CCE Suffolk is to create a more inclusive Suffolk County, and to celebrate the county’s diversity. She noted that there are nearly three million Latinx residents on Long Island and shared a commitment to making sure the agency’s programming extends to this significant population.

Chances are, the hands that tended the flowers on your table, or expertly pruned the apple tree for your cider, or harvested the vegetables in your fridge, belong to a Latino. Latinos make up 70% of the agricultural la-

bor force in New York, and our goal is to help Latino farmers create a future for themselves in this state.

More information is available at [smallfarms.cornell.edu/projects/futuro](http://smallfarms.cornell.edu/projects/futuro).

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Mildred Alvarado, Nicole Waters, and Tim W. Shenk are members of the Futuro en Ag team at the Cornell Small Farms Program.

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### Weeds from 18

established in untarped plots. These “shoulder season” tarps covered the soil when winter annuals were actively establishing, preventing them from getting their footing and maturing to set seed.

Tarps may have also reduced chickweed through fatal germination as soils begin to warm in the beginning of the season. This early season weed control can give crops a competitive advantage over weeds, leading to further reductions in weed populations.

### Mulches Make Do

Mulched soils had on average 30% to 40% fewer weeds than plots without mulch.

Using mulch in a tilled system reduced galinsoga by 46%. No-till with tarping, with or without mulch, had about 90% less galinsoga than the conventionally tilled soils. The no-till with tarping and mulch system had an average of just 10 galinsoga plants per square meter, compared to 153 in conventional tillage without mulch.

We think these results were largely due to the fact that mulches have weed-suppressing power throughout the growing season when summer annual weeds like galinsoga are expected to emerge. For example, we found that galinsoga thrived in winter squash years, and tarping alone was not enough to maintain season-long weed suppression. In the later years of our experiment, we started using tarps in summer between spring-planted lettuce and autumn plantings of broccoli, which could be another strategy to break up summer annual weed lifecycles.

### Stress management from 15

years of intentionally investing in the nebulous concept of “building community” paid off in ways we never could have imagined.

Eighty people showed up to seven work parties to clear the mess left by the fire. Their presence – a direct result of intentions set in our Holistic Goal to invest time and love in our local community – reminded us to look to the HM decision-making

process that had served us so well. Despite the haze of our trauma, having a familiar framework to guide us meant that we were able to quickly assess our available resources, consult our Holistic Goal, and use the decision-making process to figure out what to do next. We are now well into rebuilding the structure, and its next iteration will include an improved farm store and apartment, as well as a com-

munity gathering space and a commercial kitchen, both of which will allow new possibilities to emerge for the future of our farm and family.

There's a lot we don't have control over, and stressful things happen almost every day. But we can control how much we allow this stress to affect our health. HM helps you remember that you have control over your focus, time, and money. It helps you plan how you want your life to be and harness your decisions

to move you toward that. When the worst happens, it still offers a framework to recover and keep yourself moving toward your vision. In short, it helps you to be resilient, which is a life skill that seems increasingly critical in these uncertain times.

This article was also published in the Spring 2023 issue of the *Natural Farmer*, the newspaper of the Northeast Organic Farming Association, and is reprinted here with permission.



An example of weeds germinating in the greenhouse from field-collected soil. The top tray is from an untarped plot and the bottom tray is from a tarped plot.



Three weeks after transplanting broccoli in our experiment, no-till with tarping plots (right) had lower early-season weed emergence than conventionally tilled, untarped plots (left).

Stephen Stresow / Cornell Small Farms Program

To learn more about tarping and ways to implement this practice on your farm, visit the Reduced Tillage project page at [smallfarms.cornell.edu/projects/reduced-tillage](http://smallfarms.cornell.edu/projects/reduced-tillage).

Stephen Stresow is a Horticulture BS/MPS student from El Paso, Texas, researching sustainable vegetable production with the Cornell Small Farms Program. Ryan Maher's work began with the Cornell Small Farms Program in summer 2013 and focuses on research and Extension in soil health practices for vegetables.



While watching the heart of our farm burn down was traumatic, our recovery was hastened by using the holistic decision-making process to create a plan to rebuild.

Erica Frenay is the online course manager and livestock specialist for the Cornell Small Farms Program.

She and her family also own and operate Shelterbelt Farm in Brooktondale, NY.



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