

# 2024 ANNUAL REPORT

Ontario County SWCD  
480 North Main Street  
Canandaigua, NY 14424  
(585)396-1450  
[www.ontswcd.com](http://www.ontswcd.com)  
[info@ontswcd.com](mailto:info@ontswcd.com)

## Ontario County Soil & Water Conservation District Newsletter



### TABLE OF CONTENTS:

Restoring Aquatic Connectivity in Eelpot Creek	1
2024 Achievements	2-3
Eastern Hemlock Trees Protected Against HWA	4
Roadside Stabilization Project in Bristol	5
WQIP Grant Funding Announced	6
Manure Storage in Seneca	7
Save Our Great Lakes Funding	8
Finger Lakes Phosphorus Reduction Project	9
Water Workshop	10
Upcoming 4-Hour Course: March 27	10
Backyard Conservation Conversation	11
Nutrient Management Workshop: March 28	12
2025 Tree & Shrub Program	13-14
Staff & Board	15
Sponsors	16-17

## Restoring Aquatic Connectivity in Eelpot Creek

Anglers come from all over for a chance to fish the Naples Creek area, bringing tourists to the Town of Naples each year for the annual fishing derby. Naples and Eelpot Creeks are ecologically important areas as the spawning grounds for rainbow trout traveling upstream from Canandaigua Lake.



This project enhanced 2 road crossing culverts that posed a barrier to aquatic passage, especially during periods of low flow while fish were spawning. U.S. Fish & Wildlife Service designed the structures and helped to oversee construction along with the District. Funding from New York State Department of Environmental Conservation Water Quality Improvement Program provided funding for construction costs. The Canandaigua Lake Chapter of Trout Unlimited (TU) also offered their support via funding through their Embrace A Stream grant program for construction as well as the donation of their members' time for planting trees and shrubs to enhance the riparian area. Thanks to all of the support from TU members who made this project #1 in the National Embrace A Stream Challenge! The stories of generations of anglers enjoying Naples Creek and personal connections make this project very rewarding for us.

Installing in-stream structures helped to raise the streambeds and stream water level to minimize the perched culverts. Adding structure also creates fishing pools and provides habitat in the upper most headwaters of Naples Creek. Reconnecting these sections of stream will support aquatic passage and open up the upper reaches of stream for spawning habitat. This project allowed the District to bring together multiple partners to enhance both water quality and aquatic habitat. Grab your fishing poles on April 1<sup>st</sup> to experience trout fishing in Naples Creek!

**Photo Credit: Canandaigua Lake Chapter of Trout Unlimited**



**53**  
RAIN  
BARRELS  
SOLD



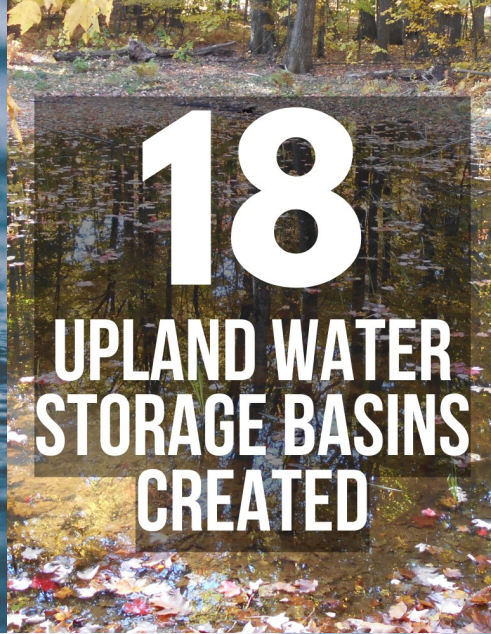
**\$4.2 MILLION**  
GRANT DOLLARS  
AWARDED  
TO DATE



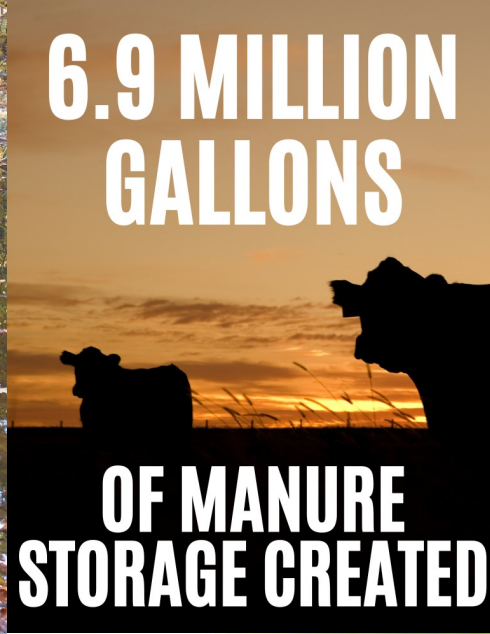
**\$4.4  
MILLION**  
THE TOTAL VALUE  
OF COMPLETED  
GRANT PROJECTS



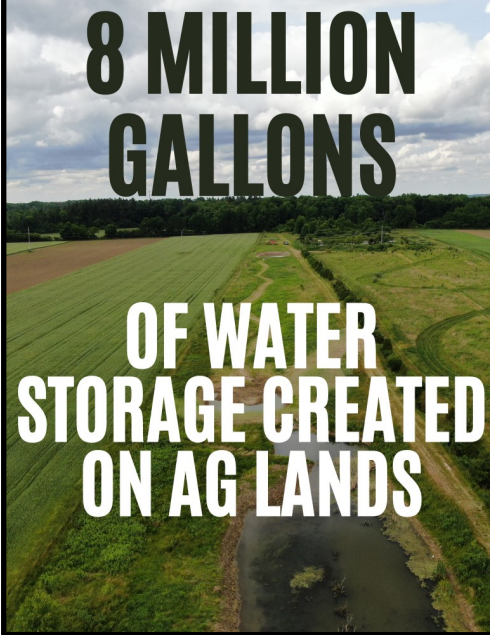
APPLIED FOR  
**\$10.9  
MILLION**  
IN GRANT  
DOLLARS IN 2024



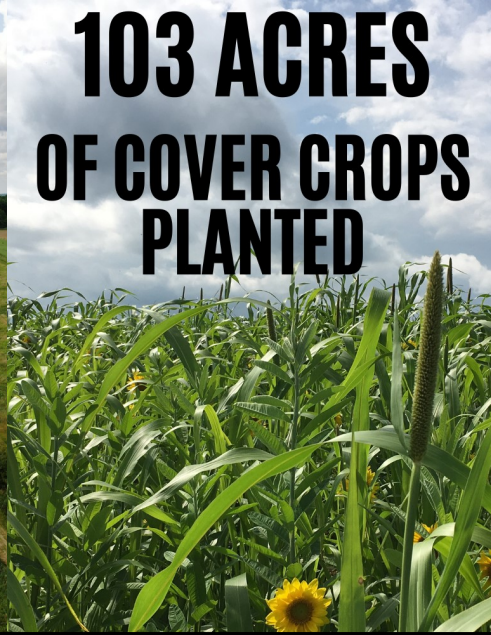
**18**  
UPLAND WATER  
STORAGE BASINS  
CREATED



**6.9 MILLION  
GALLONS**  
OF MANURE  
STORAGE CREATED



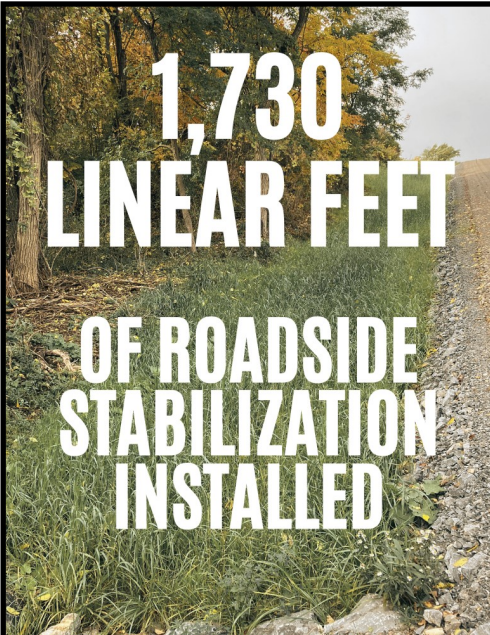
**8 MILLION  
GALLONS**  
OF WATER  
STORAGE CREATED  
ON AG LANDS



**103 ACRES**  
OF COVER CROPS  
PLANTED



**4,400  
TONS**  
OF SOIL SAVED  
FROM RUNOFF



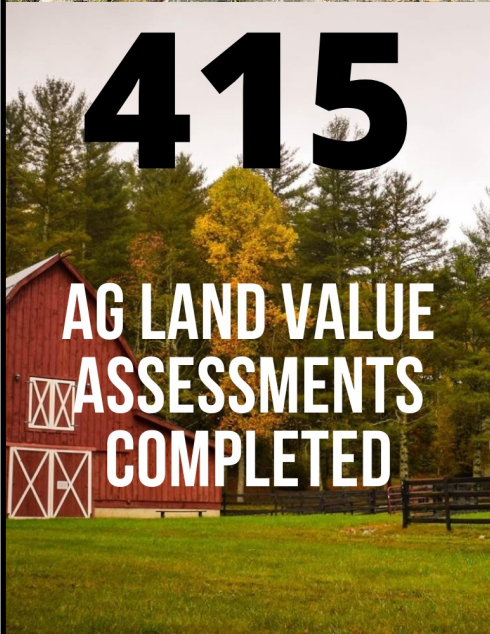
**1,730**  
**LINEAR FEET**  
OF ROADSIDE  
STABILIZATION  
INSTALLED



**226**  
ONSITE  
WASTEWATER  
MANAGEMENT  
ASSESSMENTS



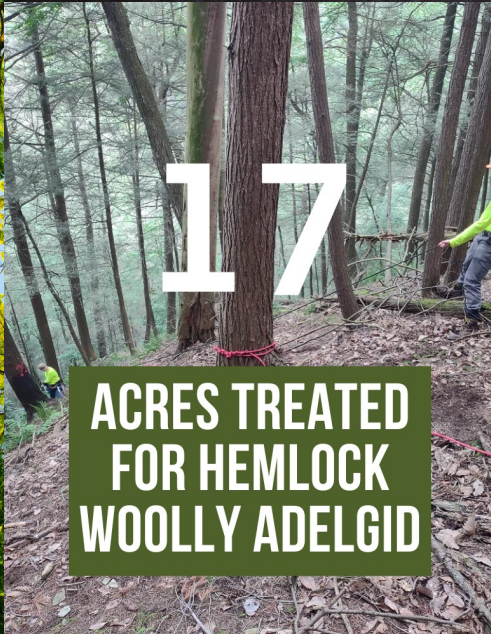
**3,576**  
K-12 STUDENTS  
REACHED THROUGH  
OUR EDUCATION  
PROGRAM

**415**  
AG LAND VALUE  
ASSESSMENTS  
COMPLETED



**9,700**  
TREES &  
SHRUBS SOLD



**17**  
ACRES TREATED  
FOR HEMLOCK  
WOOLLY ADELGID



**27.71**  
**TONS**  
OF RESIDENTIAL  
TIRES RECYCLED



**79**  
SITE PLANS  
REVIEWED

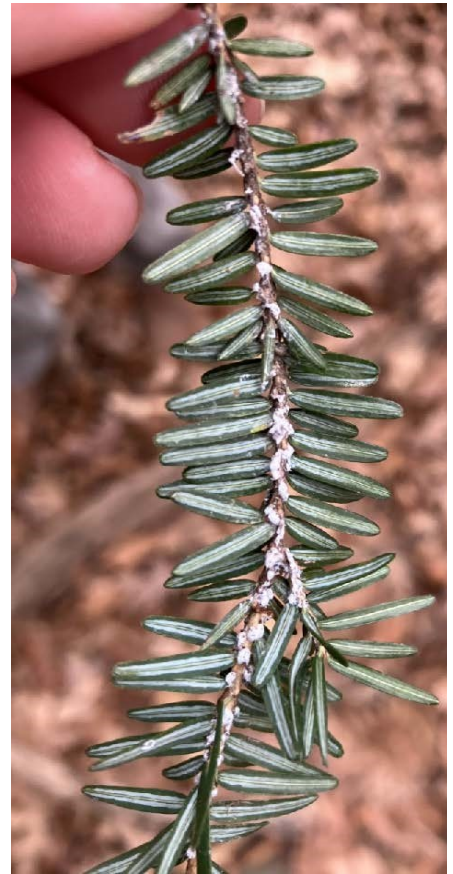


**56**  
MANURE &  
SOIL TESTS  
COMPLETED  
ON LOCAL  
FARMS

# Eastern Hemlock Trees Protected Against Invasive Hemlock Woolly Adelgid

The District and partners recently wrapped up a multi-year grant project focusing on the treatment of hemlock trees for hemlock woolly adelgid (HWA) in Ontario County. HWA is an invasive insect which attacks Hemlock trees and, over a period of several years, kills the trees. Hemlocks are a keystone species in our riparian forest corridors as they typically grow along steep gullies in dense stands. These trees help to provide soil stability along the steep slopes, prevent erosion and provide unique habitat conditions for streams by keeping water cool in their shade. HWA disrupts this ecosystem and poses a threat to our environment as hemlock trees die and the habitat around them is disrupted.

The District utilized \$50,000 from the U.S. Department of Agriculture Forest Service's Great Lakes Restoration Initiative grant funding program, along with match from local partners such as the Canandaigua Lake Watershed Association and the Finger Lakes Land Trust, to treat hemlock trees with chemical insecticides along steep gullies in the Canandaigua Lake and Honeoye Lake watersheds. These insecticides were applied to hemlock trees during ideal conditions to allow for targeted treatment of specific trees infested with HWA. In combination with chemical treatment, the New York State Hemlock Initiative also coordinated releases of beneficial insects at several sites. These insects are known to target HWA and feed on them. The goal of that program is to establish a



resident population of beneficial insects that will be able to feed on HWA and keep their populations in check for long-term management of this invasive species. The use of chemical treatment provides trees protection while these beneficial insect populations become established.

This project represented a coordinated effort across the region to combat HWA and protect our important hemlock species. Additional partners included Ontario County, New York State Department of Environmental Conservation and the Rochester Museum and Science Center: Cumming Nature Center. Thank you to everyone who provided support for this project!

*Want to get involved?* The Finger Lakes Partnership for Regional Invasive Species Management (FL-PRISM) has a few upcoming trainings on how to survey for HWA on February 5 (virtual) and February 8 (Bear Swamp State Forest). [Click here for more information.](#)

# Recent Roadside Stabilization Project Completed in the Town of Bristol

After recent storm events caused a massive amount of roadside erosion, including a major slope failure along Egypt Road in the Town of Bristol, the District applied for funding through the New York State Department of Environmental Conservation's Water Quality Improvement Project grant program to implement roadside stabilization projects in the Genesee River Watershed. Funding supported smaller roadside stabilization projects working with the Towns of Canadice and Bristol to install flexamat material for stabilizing critical roadside ditches along 1,150 feet of roadside as well as a massive road rebuilding and stabilization project along Egypt Road, which has a stream feeding to Mill Creek, a nearby trout stream.



The Town of Bristol Highway Department undertook the construction work themselves and earned an award in the process! Working on an extreme slope, the Town had to shift the road by stripping back several hundred feet of road and rebuilding a stable base to create a solid foundation, excavating down nearly 60 feet. The Town then built up the roadside using concrete mattresses and gabion baskets to stabilize the slope. Further work included subsurface drainage, road resurfacing, guardrails, and geotextile and vegetative stabilization. This project prevents a major road failure and also protects further loss of roadside material to the adjacent stream.



## \$640,000 Awarded in WQIP Grant Funding to the District for Projects in Ontario County

Governor Kathy Hochul recently announced more than \$225 million awarded to 165 projects to significantly improve water quality across the state. The grants support projects that will help protect drinking water, update aging water infrastructure, reduce contributors to harmful algal blooms, and improve aquatic habitat in communities statewide. Through the New York State Department of Environmental Conservation's (DEC) Water Quality Improvement Project (WQIP) grant program, these projects will directly improve water quality or aquatic habitat, promote flood risk reduction, restoration, and enhanced flood and climate resiliency, or protect a drinking water source.

We were excited to receive news that three of our water quality projects received funding through the WQIP program Round 20. Congrats to all who were awarded funding!

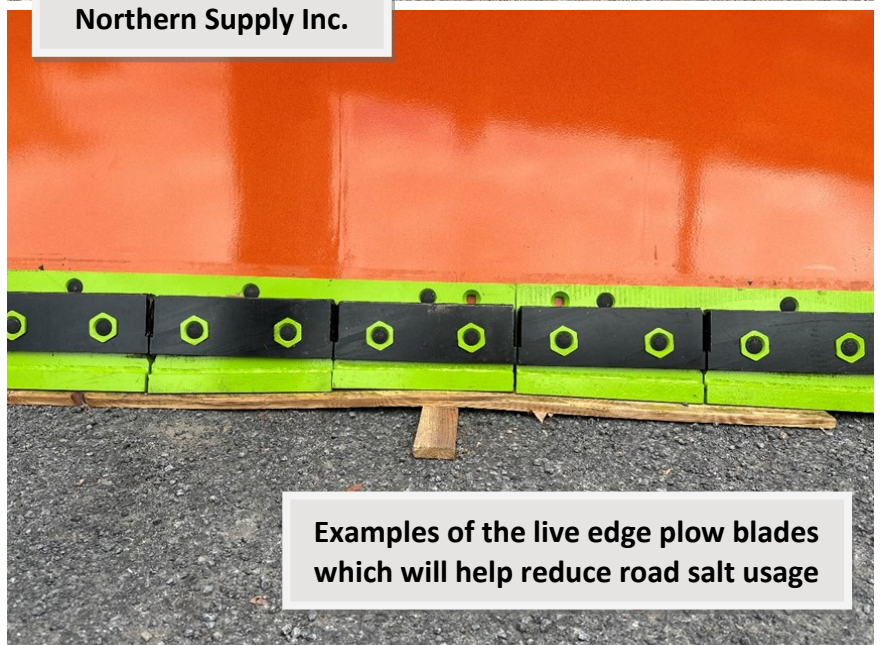
One of the projects involves road salt reduction. Ontario County Soil & Water Conservation District will work with municipalities in Ontario and Yates Counties to purchase live edge plow blades, weather monitoring equipment, and sanding equipment to reduce road salt application. The project will protect water quality within the Finger Lakes watershed.

The second funded project involves roadside stabilization throughout Ontario County. The District will implement a county-wide roadside stabilization program by utilizing hydroseed to stabilize road ditches to prevent erosion and support roadside stabilization projects such as using flexamat to protect roadside drainages from erosion. The program will reduce sediment and nutrient loading in the Canadice, Honeoye, and Canandaigua Lake watersheds.

The third project is a planning grant for a future Naples Creek Streambank Restoration Project. The District will create a design report to inform stabilization of eroding streambanks along two miles of stream. The report will create a project design to implement natural stream channel design concepts to reduce erosion and restore aquatic habitat along Naples Creek.



**Photo Credits:  
Northern Supply Inc.**



**Examples of the live edge plow blades which will help reduce road salt usage**

# Manure Storage Completed in the Town of Seneca

Utilizing funding from New York State Agriculture and Markets' Agricultural Nonpoint Source Pollution Control Grant Round 28, the District supported the installation of a 5.9 million gallon storage on a farm in the Town of Seneca. This gives the farm more on-farm storage capacity to better manage nutrients and prepare for periods of inclement weather and avoid spreading on frozen or saturated ground which can negatively impact water quality. It also reduces resources needed to haul manure allowing the farm to transport during less busy times of the year and in ways which reduce traffic and odor prevalence.

Siting this storage on a large piece of agricultural land adjacent to the farmstead provides efficient access for manure application. This storage is also well set-up for future drag line application of manure. Drag line application is a management tool where liquid manure is injected directly into the soil, greatly reducing the potential for nutrient runoff from the field while also limiting the amount of passes equipment must make across the field. The next phase of the project will install an underground manure transfer pipeline system that will allow the farm to directly transfer manure from their farm to the storage, greatly reducing manure truck traffic.



# Save Our Great Lakes Funding: Grazing Land Improvement Projects

Our recently funded Lake Ontario Basin Regenerative Agriculture Implementation Project supported through the National Fish and Wildlife Foundation Save Our Great Lakes Program is ready for action. Focusing on small farms, the District will be providing planning and technical assistance for grazing and soil health practices.

Throughout this project we estimate that we will complete 1,000 acres of grazing Best Management Practices (BMPs) as well as 1,000 acres of soil health practices including cover cropping. The grazing projects

will focus on fencing and cultural BMPs to better facilitate rotational grazing, extended grazing seasons, and greater nutrient management on pasturelands. The cover crops will be planted as part of regenerative farm conservation systems on small farms in Ontario County.

The main goal of this project is to help small farms establish conservation systems that they can continue to follow and improve well beyond just the lifespan of the funded best management practices. Farms interested in learning more about our technical assistance program through the New York State Agricultural Environmental Management (AEM) Program can contact the District for more information.





# Finger Lakes Phosphorus Reduction Project: 1 Year Update

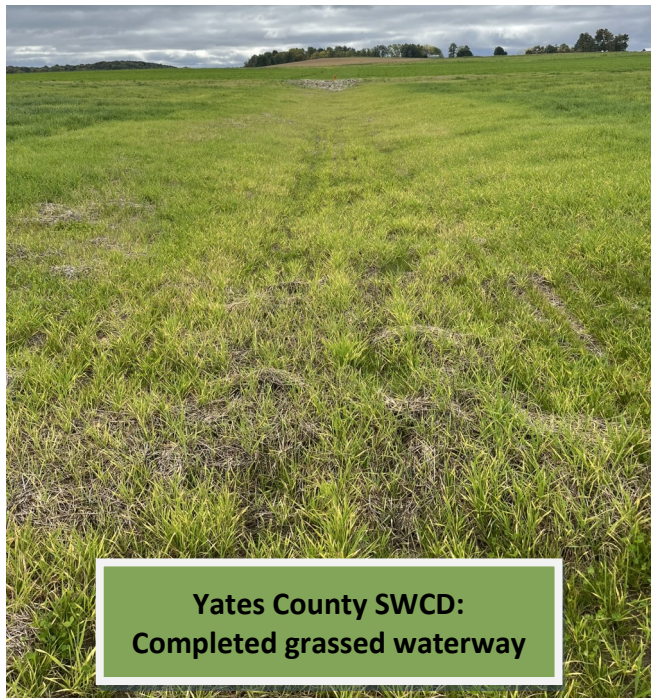
The Finger Lakes Phosphorus Reduction Project is a tri-county implementation effort involving Ontario, Yates and Seneca County SWCDs. This \$650,000 3-year project utilizes federal Great Lakes Commission funding matched with New York State Ag and Markets funding as well as local support from the Seneca Lake Pure Waters Association's Sediment, Nutrient, and Pollution Reduction (SNPR) program to specifically focus on installing proven structural erosion control projects on agricultural lands throughout five HUC 12 units in the Canandaigua, Keuka, and Seneca Lake Watersheds (HUC stands for Hydrologic Unit Codes, used to identify watersheds). The first project started in fall of 2023 and when the dust settled at the end of 2024, the 3 Districts had already completed 8 Water and Sediment Control Basins (WASCOBs), 2.7 acres of grassed waterways, 2,744 feet of upland water diversions, and 40 feet of streambank stabilization. Ontario County SWCD is running a Pollutant Load Estimation Tool (PLET) model as part of the project to track on-going project results. In one years' time, the three Districts have already saved over **450 tons of soil per year** and nearly **300 pounds of phosphorus per year** from running off into the Finger Lakes Watersheds!



Ontario County SWCD:  
WASCOB under construction



Seneca County SWCD:  
Completed WASCOB



Yates County SWCD:  
Completed grassed waterway

## Recent Water Workshop Held by District

We held a free Water Workshop on November 21, 2024 that was packed with information on septic systems, wells, groundwater & surface water basics, stormwater best management practices, and much more. We had 45 attendees and we plan to hold more of these workshops next year, so stay tuned! The



attendees were real estate professionals, code enforcement officials, planning and zoning board members, municipal employees, and community members.

Thank you to all of our sponsors who covered food expenses, our amazing speakers for sharing their expertise, and for the attendees who were engaged and asked great questions. You all made this event such a success.

We are all so lucky to live and work within the Finger Lakes region and to be close to the Great Lakes. With all of

these amazing waterways comes an even bigger responsibility to preserve and protect our freshwater resources. Do you know how to manage your well? Do you know how your septic system functions and how to maintain it? Do you know about wetlands and the regulations you need to follow to protect them? Do you know all about stormwater and how construction and development effect the flow of rainwater and snowmelt? These are all topics we cover at the training. *Stay tuned for a Water Workshop this fall.*

## Upcoming 4-Hour Erosion & Sediment Control Training

**Thursday, March 27, 2025 from 8am-12pm**

[Click here for more information.](#)

The Ontario County SWCD is holding a New York State Department of Environmental Conservation (NYS DEC) Endorsed 4 Hour Erosion and Sediment Control Required Training on March 27, 2025. The course will cost \$100 and pre-registration is required by March 25, 2025. Please contact the Ontario County SWCD at (585)396-1450 or email [info@ontswcd.com](mailto:info@ontswcd.com) for more information. Under the NYS DEC's Stormwater Permit GP-0-25-001, all developers, contractors and subcontractors must identify at least one trained individual from their company that will be responsible for implementation of the Stormwater Pollution Prevention Plan (SWPPP), and have at least one trained individual on site on a daily basis when soil disturbance activities are being performed. Also, developers must have a qualified inspector conduct regular site inspections in accordance with the General Permit. This training is good for 3 years.





# Backyard Conservation Conversation



## Knowing the Junco

A darling dark-eyed junco, *Junco hyemalis*, formerly known as the slate-colored junco, is the star of the show at the base of our bird feeders all winter. The plump little dark grey to black ground feeder with a light belly migrates here in the cold season from Canada and becomes a regular feeder visitor. Usually in small flocks of four to ten, juncos eat cracked corn and white millet seed all day every day if possible.

You best look quick because once the weather warms up, the junco will be on the move north to breeding grounds. This is the time of year we get lucky enough to see them and never take them for granted. Juncos could not be any cuter and their soprano trill song is so pleasant to the ear.

Female juncos are lighter in color than males but both have white outer tail feathers called deflective banner marks. The flashy white edges are a defensive mechanism

to catch the eye of a predator in pursuit of the otherwise defenseless songbird. The potential prey's temporary loss of a feather or two far outweighs the alternative by a long shot.



Ever think the frigid months are long, dreary or demoralizing? Try putting some inexpensive bird seed on the snow-cleared earth under a bush within view of your window and await the appearance of the sweet junco. Other winter sparrows that would likely arrive as well include white-throated, tree, and white-crowned sparrows. As always, keep a look out for super fun wild winter birds like the dark-eyed junco.

February is National  
Bird Feeding Month!!

# Soil Health & Nutrient Management Workshop: Featuring the Manure Roadshow



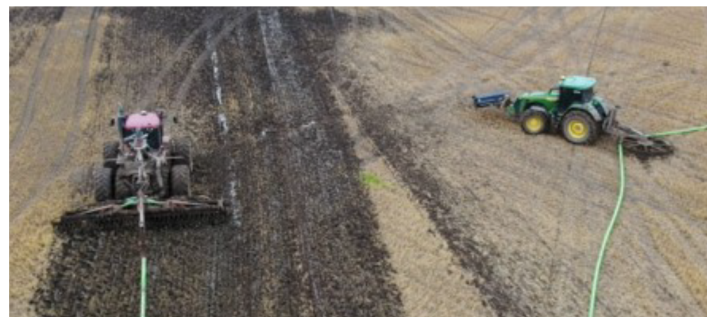
Friday, March 28, 2025  
8:30am-3:00pm

Ontario Produce Auction  
4860 Yautzy Road, Stanley, NY

5 Certified Crop Advisor (CCA) Credits Pending



Yates County Soil & Water  
Conservation District



Time	Topic	Speaker
8:30am-9:00am	Registration & Refreshments	
9:00am-9:10am	Welcome, Introductions, & Program Updates	Ontario & Yates County Soil & Water Conservation Districts (SWCD) Jodi Letham, Cornell Cooperative Extension NWN Y Dairy, Livestock, and Field Crops Program
9:10am-10:00am	Greenhouse Gases, Climate Impacts, & Mitigation from Manure	Jason Oliver, PRO-DAIRY
10:00am-10:45am	Value of Manure: Fertilizer Replacement & Soil Health	Juan Carlos Ramos Sanchez & Gurpreet Kaur, Cornell's Nutrient Management Spear Program
10:45am-11:00am	Break	
11:00am-12:00pm	Tile Drainage & Water Quality	Laura Klaiber, Miner Institute
12:00pm-1:00pm	Lunch & Visit with Exhibitors	
1:00pm-2:00pm	Manure Safety	Jason Oliver & Kirsten Workman, PRO-DAIRY
2:00pm-3:00pm	Manure Applicator Training (New York State Department of Environmental Conservation approved)	Kirsten Workman, PRO-DAIRY *Certificates will be provided; required course for 2 employees on each CAFO every 5 years; beneficial to all who utilize manure

**Cost: \$15 if registered by 3/25/25, \$20 for walk-ins (cash or check only)**

To register, fill out this section to mail or drop-off to Yates County Soil & Water Conservation District, 417 Liberty Street, Penn Yan, NY, 14527. Cash or check only. Make checks payable to Yates County SWCD. Please call (315)536-5188 with questions.

Name(s): \_\_\_\_\_

Address: \_\_\_\_\_

Phone/Email: \_\_\_\_\_

Number of Attendees: \_\_\_\_\_ Total Amount Enclosed: \$ \_\_\_\_\_

# 2025 TREE & SHRUB PROGRAM

**ONTARIO COUNTY SOIL & WATER CONSERVATION DISTRICT**  
**480 NORTH MAIN STREET, CANANDAIGUA, NY 14424 (585)396-1450**  
**WWW.ONTSWCD.COM**

Trees and shrubs must be ordered in quantities listed or in multiples of those listed. Call for quantities over 300.

**ALL SPECIES IN LIMITED QUANTITIES**

**Pricing**

- 10/\$20 of same species
- 25/\$45 of same species
- 100/\$150 of same species

**CONIFEROUS TREES**

<u>Species &amp; Size</u>	<u>Quantity</u>	<u>Cost</u>
Colorado Blue Spruce 9-15" _____		
Concolor Fir 12-18" _____		
Eastern White Cedar/Arborvitae 18-24" _____		
Fraser Fir 9-12" _____		
White Pine 6-12" _____		
White Spruce 9-15" _____		

**Pricing**

- 10/\$20 of same species
- 25/\$45 of same species
- 100/\$150 of same species

**DECIDUOUS TREES & SHRUBS**

<u>Species &amp; Size</u>	<u>Quantity</u>	<u>Cost</u>
Black Cherry 12-18" _____		
Black Chokeberry 18-24" _____		
Buttonbush 10-18" _____		
Shagbark Hickory 6-12" _____		
Sugar Maple 12-18" _____		
Swamp White Oak 12-18" _____		
Sycamore 12-18" _____		
White Birch 12-18" _____		
White Flowering Dogwood 12-18" _____		
White Oak 12-18" _____		

**PACKETS** (\$30 each)

	<u>Quantity</u>	<u>Cost</u>
<b>Edible Fruit</b> (2 each – Blackberry, Blueberry-Jersey, Blueberry-Blueray, Raspberry, Strawberry) _____		
<b>Evergreen</b> (2 each – Balsam Fir, Colorado Blue Spruce, Fraser Fir, White Pine, White Spruce) _____		
<b>Flowering</b> (2 each – American Cranberry, Lilac, Ninebark, Eastern Redbud, White Flowering Dogwood) _____		
<b>Native NY Wildlife</b> (2 each – American Hazelnut, Black Cherry, Red Osier Dogwood, Serviceberry, White Pine) _____		
<b>Nut Tree</b> (2 each – Black Walnut, Burr Oak, Red Oak, Sawtooth Oak, White Oak) _____		

**SUPPLIES** (Tax Included)

	<u>Quantity</u>	<u>Cost</u>
Fluorescent Pink Marking Flags	10/\$5, 100/\$20	_____

**GRAND TOTAL \$** \_\_\_\_\_

All species are bare rootstock. Species subject to change without notice. The District reserves the right to refund payment for species if unavailable. The District will NOT be responsible for the success or failure of plantings.

Orders with payment must be placed by **March 3, 2025**

Enclose check payable to **Ontario County SWCD**

**PICK-UP TIMES/DATES:**

**8:00 am to 4:00 pm, FRIDAY, APRIL 25, 2025 (Arbor Day)**

**8:00 am to 11:00 am, SATURDAY, APRIL 26, 2025**

**PICK-UP LOCATION:**

**Ontario County Fairgrounds**  
**2820 County Road 10**  
**Canandaigua, NY 14424**

**Actual Mailing Address (Residency Not Required)**

NAME: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

\_\_\_\_\_

PHONE: ( \_\_\_\_\_ ) \_\_\_\_\_

EMAIL: \_\_\_\_\_

In compliance with New York State Sales and Use Tax Regulations, 20 NYCRR, Section 529.2(c) - All trees and shrubs are to be used for effective conservation practices such as windbreaks, soil erosion control, etc. and will not be planted for ornamental purposes. Trees and shrubs sold will not be removed with roots attached for resale.

# 2025 TREE & SHRUB DESCRIPTIONS

**AMERICAN CRANBERRY** – *Viburnum trilobum* When mature, an 8-12' multi-stemmed shrub with clusters of white flowers in May. Bright red fruit attracts birds September-February. A good specimen for a wetland planting, screen or for wildlife.

**AMERICAN HAZELNUT** – *Corylus americana* The American Hazelnut is a multi-stemmed shrub with a rounded top and an open, often wide-spreading base. Grows to maximum height of 15-18' and a spread of 10-12' at maturity. It bears, in 2-3 years, an abundant crop of small, sweet tasting nuts. The nuts are easy to crack and drop free of the husk when mature. Excellent wildlife food source.

**BALSAM FIR** – *Abies balsamea* One of the more important conifers in the northern United States. Small to medium-sized, steeple-shaped tree with upright cones. Wildlife food and shelter source.

**BLACK CHERRY** – *Prunus serotina* Grows up to 50' tall. Pendulous branched tree with profuse white flowers in spring with good fall color. Mature trunk has 'burnt potato-chip' bark exposing reddish underbark. The fruits are usually devoured by birds/wildlife. Grows best in rich, moist, well-drained soil/full sun.

**BLACK CHOKEBERRY** – *Aronia melanocarpa* A native upright, spreading, 8'x 8' suckering, multi-stemmed shrub with white flowers, green glossy leaves in summer and orange and red leaves in fall. Full sun to partial shade and tolerates wet soils.

**BLACK WALNUT** – *Juglans nigra* A tall tree (50-100') with alternate, narrow, toothed leaflets when crushed are spicy-scented. One of the most valuable and beautiful native deciduous trees. Fruit eaten by various wildlife. Moist soils.

**BURR OAK** – *Quercus macrocarpa* Large distinguished oak with deeply furrowed bark and leathery lobed leaves resembling a bass fiddle. Acorn is easily identifiable by unique 'mossy' feathery sheath. Tolerant of a variety of moisture and soil conditions. Adapts well to urban settings. Native that prefers full sun. Grows 70-80'.

**BUTTONBUSH** – *Cephalanthus occidentalis* Deciduous shrub with an open-rounded habit that grows 6-12' tall. Easily grown in moist, humusy soils in full sun to part shade. Grows very well in wet soils, including flood conditions and shallow standing water. Flower heads are very attractive to bees and butterflies.

**COLORADO BLUE SPRUCE** – *Picea pungens* Grows up to 100'. Will reach 6' in 8-9 years, starting with a 3-year seedling. Its stiff, silvery-blue to bluish-green needles are 1" long. A handsome tree in a single planting or as a dense colorful screen or windbreak spaced 6' apart. Well-drained soil with good moisture and full sun.

**CONCOLOR FIR** – *Abies concolor* Grows up to 50'. Beautiful and easy to care for evergreen. Ashy gray trunk and silver foliage. Holds needles best of any short-needle tree. Requires good drainage.

**EASTERN REDBUD** – *Cercis canadensis* A small, irregular shaped, deciduous tree, strikingly conspicuous in the spring as the pink to reddish purple flowers form before the leaves. Grows on a variety of sites, best on moist, well-drained soils. Flat, small reddish-brown fruit pods persist throughout winter unless eaten by wild birds or other animals.

**EASTERN WHITE CEDAR** – *Thuja occidentalis* Also called arborvitae, can reach 6' in 10-12 years from a 3-year seedling. Evergreen foliage is scale-like and flat. Grows in well-drained soil and also does well in swampy areas and alkaline soil. Full or half-day sun. Pyramidal in growth and well suited for windbreaks planted 4' apart.

**FRASER FIR** – *Abies fraseri* Shiny, green foliage is lighter on the underside. Has a delightful fragrance and attractive purplish cones. A great specimen that does require good drainage.

**NINEBARK** – *Physocarpus opulifolius* 5-9' deciduous shrub with showy white flowers in May-June and red fruit in mid-September. Very distinctive peeling bark. Tolerates most soils and full sun.

**RED OAK** – *Quercus rubra* A large symmetrical tree, 60-70'. Acorn cup is flat and saucer-like. Tolerates full sun and polluted environments. Sandy soils.

**RED OSIER DOGWOOD** – *Cornus sericea* Very geographically widespread native shrub with unique deep red stems, creamy white spring flowers, white fruit and maroon fall leaves. Excellent for reestablishing moist sites and stabilizing eroding streambanks. Wildlife food source for numerous species.

**SAWTOOTH OAK** – *Quercus acutissima* Produces large acorns in 7-10 years. Fast growing but small tree with a wide crown. A good wildlife tree and shade tree. 40-60' in height.

**SERVICEBERRY** – *Amelanchier laevis* Large shrub, excellent native. Fancy white flowers in April, followed by fruit in July. Tolerates full sun/partial shade, harsh climates and alkaline soils. Good bird/wildlife food source and erosion control.

**SHAGBARK HICKORY** – *Carya ovata* A member of the walnut family, the Shagbark Hickory thrives in humid eastern North America. The hardy tree grows in a variety of soils including clay, slightly acidic soils and loam. A fairly slow growing tree that can reach 100' and live hundreds of years. Valuable food source.

**SUGAR MAPLE** – *Acer saccharum* The official New York State Tree. Grows up to 75'. Offers good shade in the summer and brilliant scarlet-orange foliage in the autumn. Provides maple sugar products. Thrives in well-drained soil. Full sun, but will tolerate some shade.

**SWAMP WHITE OAK** – *Quercus bicolor* Grows in rich, deep, moist to wet, poorly-drained, acidic soils in full sun. A broad, rounded crown and a short trunk typically to 50-60'. Acorns mature in early fall. Best along streams, ponds, valleys, floodplains and the edge of wetlands. Good drought resistance. Usually has crimson shades of fall color.

**SYCAMORE** – *Platanus occidentalis* Very fast growing hardwood that is long lived and reaches 100-140' in height. Best on creek bottoms or low slopes. Good on most sites except swamps or dry sand hills. Requires direct sunlight.

**WHITE BIRCH** – *Betula papyrifera* Grows up to 50' tall. Open green foliage. Grows best in cool, moist locations. Tolerates fairly wet locations (along water). Pendulous, graceful branches and snow-white bark. Bark turns white in 4-6 years. Plant 3-4 seedlings together to create clump effect.

**WHITE FLOWERING DOGWOOD** – *Cornus florida* Grows 20-30'. Beautiful leaf color in the fall and showy white flowers April-May. Red fruit through late December.

**WHITE OAK** – *Quercus alba* A tall, noble tree that grows well in most soil types. Acorns provide for an important and diverse wildlife food source. Important native.

**WHITE PINE** – *Pinus strobus* Grows up to 100' tall. Moderate growth with good needle retention. Soft, flexible, green needles in groups of 5. Grows best in moderately-well drained soils. Great for mixed windbreaks or screens.

**WHITE SPRUCE** – *Picea glauca* Grows up to 90' tall reaching 6' in 7-8 years beginning with a 3-year seedling. Its stiff needles are light bluish-green, usually 1" long. Thrives in full sun and well-drained soil. Extremely hardy and will live where other varieties will not.



# ONTARIO COUNTY

SOIL & WATER CONSERVATION DISTRICT

www.ontswcd.com

480 North Main Street, Canandaigua, New York 14424

Telephone (585) 396-1450 Fax (585) 396-1305

## Ontario County SWCD Staff:

- District Manager: **Megan Webster**
- Secretary-Treasurer to the Board: **Diana Thorn**
- Senior Conservation District Technician: **Tucker Kautz**
- Conservation District Technician: **Tad Gerace**
- Conservation District Technician: **Jenny May**
- Conservation District Educator: **Alaina Robarge**
- Canandaigua Lake Watershed Inspector: **Tyler Ohle**
- Canandaigua Lake Watershed Administrative Assistant: **Jamie Noga**

## Ontario County SWCD Board of Directors:

- Samuel Casella**, Chairman, Practical Farmer
- Jim Malyj**, Vice-Chairman, NYS Farm Bureau
- Kenneth Livermore**, NYS Grange
- Dale Stell**, Ontario County Supervisor
- Mark Venuti**, Ontario County Supervisor
- Edward Jackson**, Member At Large
- Amanda Amadon**, Practical Farmer



**MAKE SURE TO LIKE & FOLLOW US ON SOCIAL MEDIA**



FACEBOOK  
@ONTARIOCOUNTYSWCD

INSTAGRAM  
@ONTARIOCOUNTYSWCD



**THANK YOU to our newsletter sponsors for their support!**

# FARM DRAINAGE THAT NEVER TAKES THE DAY OFF.



Our GPS mapping, custom drainage plans, top-tier equipment, and 40+ years of expertise can work harder for your farmland today and for years to come. Let us prove it with a **complimentary site visit** this season.

Call **585.762.4411** to set up a time that works for you.



**ALLEGHANY SERVICES**

FARM DRAINAGE | CONSTRUCTION | DIRECTIONAL DRILLING

ALLEGHANYSERVICES.COM

Over **675** ★★★★★ Reviews on facebook & Google!

## Your Local & Family Owned Septic & Sewer Experts

Barefoot Septic & Sewer Inc. has been serving Rochester and the surrounding areas since 1961. We offer year-round service and are prepared to respond quickly to all of your septic needs including:

- Pumping
- Installations
- Septic Inspections
- Repairs



**BAREFOOT**



585.359.9330 | barefootseptic.com

Barefoot Septic & Sewer, Inc.



**THANK YOU to our newsletter sponsors for their support!**



**M**eadowview

**TREE FARM • NURSERY • LLC**

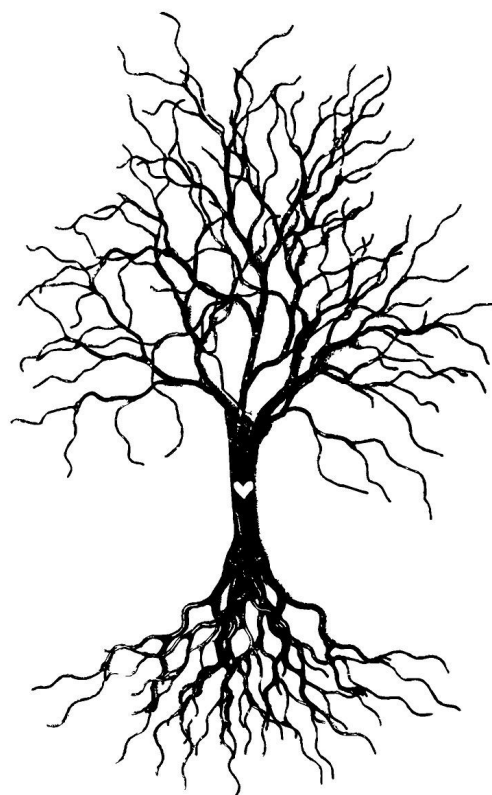
QUALITY PLANTS, LOCALLY GROWN SINCE 1983

**SEEDLINGS • TRANSPLANTS • INSTALLS**

**EXCAVATION • SITE WORK • SNOW REMOVAL**

NAPLES, NEW YORK

**585-694-8864**



*"PROMOTING TREE PLANTING IS AT THE HEART OF WHAT WE DO."*