



THE CONSERVATION CONNECTION

News from MCSWCD



Protecting Today, Providing Tomorrow

Winter Weather Management

We welcomed winter slightly earlier this year and it is important to remember that snow should be treated just like rain! Winter brings a new set of concerns about our impact on the environment and stormwater management.

The main issue with cold stormwater management is that water and pollutants build up over the season and release all at once into the environment in spring. When designing Stormwater Management Practices (SMP), like stormwater ponds, we should ensure that they are equipped to handle snowmelt. For instance, water quality volume is the amount of water a stormwater pond can hold to filter out pollutants. If SMPs are in colder climates, the water quality volume may need to be increased to adjust for snow-melt come spring. Also remember to store snow from your property far away from water bodies and above the water table, and placed on flat slopes with well drained soils. Snow should also be stored away from storm drains as well.

As we all know, salt is essential in winter but excessive salting can have adverse impacts on the environment. For example, they can help an invasive species colonize an area, prevent water mixing in lakes which limits nutrient availability to organisms, and can directly kill freshwater life. It is important to keep in mind that we may need to adjust our practices to preserve water quality!

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Homeowner Tips for De-icing Products

- * Buy the right blend of product for your climate
- * Keep walkways shoveled to prevent ice from forming
- * Pre-treat surfaces before a storm comes
- * Mix sand in with salt—this will make your ice last longer and provide traction
- * Store ice-melt in airtight containers to maintain effectiveness



2020 District Dates & Deadlines

January 16
NYS DEC Endorsed 4 Hour Erosion & Sediment Control Training

March 6
Tree & Shrub Order & Payment Deadline

April 23-24
Tree & Shrub Distribution

April 25
Tree & Shrub Overstock Sale

Get Ready for the 2020 Conservation Tree and Shrub Program!

This pre-order program allows landowners to receive New York native plants for a wide range of uses such as windbreaks, wildlife food/habitat, aesthetics, and more!

Orders can be placed either online or by filling out a hardcopy order form and submitting it to our office via email/mail. Order forms can be found on our website at www.monroecountyswcd.org or on the next page of this newsletter. We offer a variety of payment methods which include online credit card processing, completing the order form with your credit card details and submitting it to our office (via email to: mcswcd@monroecounty.gov or through the United States Postal Service) or calling our office to make a phone payment at (585) 753-7380. You may also pay by either cash or check by mail or deliver in person to our office. For more information, please visit our website.

Featured below are a few of the **eight** new items you can order including: Black Walnut, Northern Catalpa, Common Hoptree, and more! For the full list of species, please refer to our catalog by visiting our website.

Important Tree & Shrub Dates

| | |
|---------------------------|-------------------------|
| Orders Due | 3/6 |
| Tree & Shrub Distribution | 4/23 & 4/24 (9 am—5 pm) |
| Overstock Sale | 4/25 (9 am—11 am) |
| Tree Forfeiture Deadline | 5/1 |

Here’s a look at some of the unique items being offered this year!

Common Hoptree

A member of the citrus family, common hoptree has a slow growth rate, up to 25ft. Does well in any soil type and in any amount of shade. It produces small white flowers and round, wafer-like seeds in the fall, and is typically avoided by deer. All parts of this tree have a citrus-like smell, and as the name suggests, this tree can be used as an alternative to hops to brew beer (although it might not taste very good)!



Hoptree



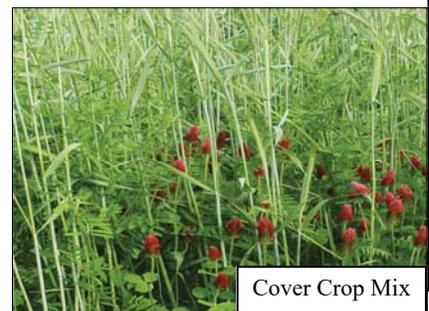
Wild Raspberry

Wild Berry Multi Pack

This pack is a terrific option for those looking to grow their own food or provide food for wildlife. Each of the plants in this pack (Elderberry, Downy Serviceberry, Raspberry, and Red Mulberry) produce berries that will draw wildlife to your yard and are perfectly edible for humans. By purchasing this pack, you can also help populations of Red Mulberry, which is a tree that has experienced severe population decline.

Cover Crop Seed Mix

The cover cop mix is a great fertilizer alternative for a small field or garden! Sow these seeds after harvest to reduce soil loss from erosion. The hairy vetch and winter rye in this mix will regrow in the spring (all other plants will winter kill) and provide nutrients to your crops! (Species include winter rye, field peas, ryegrass, crimson clover, and hairy vetch)
Seeding rate: 5 lbs./0.1 acre or ~4300 sq.ft



Cover Crop Mix



Monroe County Soil & Water Conservation District

145 Paul Road, Bldg. 5, Rochester, NY 14624 (585) 753-7380

2020 Conservation Tree, Shrub & Plant Program

Visit our website to view/print our catalog: www.monroecountyswcd.org

PLEASE READ THIS SECTION! IMPORTANT DETAILS BELOW:

1. Orders may be placed by *mailing* your order form with check or credit card info OR via the following options: (a.) Order and pay *online* through our website at www.monroecountyswcd.org (b.) *Email* your completed form to meswcd@monroecounty.gov (c.) Complete the order form and send via email/mail and call to make payment at (585) 753-7380. **All orders must be received by March 6, 2020.**

2. If using this form, write the # of packs you would like to order in the "quantity" column and then the "total" cost the in total column. Repeat process for each species you would like to order. Please note each species may be offered in different quantities: 10, 50 and/or 100 plants (quotes for 500 or more are available by calling our office). Sales tax is included in pricing. Complete the page total and order total on reverse side of form. Submit this form via email/mail and proceed to payment (see above for details). **Acknowledgments will be sent once orders are processed. This confirmation will be the only confirmation you will receive for your order until the distribution dates, so please mark your calendars!**

3. Mark your calendars!! Pickup for orders will be: **April 23 & 24, 2020** from **9:00 a.m. – 5:00 p.m.** at the:
Monroe County ecopark, 10 Avion Drive, Rochester, NY 14624.

**Please be sure to pick up your order on the scheduled distribution dates. If you are unavailable, someone else may pick up on your behalf, but you must notify our office with the name of the pick-up person. Orders not collected by May 1, 2020 will be forfeited.*

We do not sell or share your contact information!

Name: Email:

Please provide an email in order to receive receipts and any updates to the status of your order.

Address: City: State: Zip:

Phone: Check if you would like to be added to our electronic mailing list.

So we can develop programing that meets your needs, please indicate your primary planting purpose:

Wildlife Habitat Wetland Habitat Aesthetics Windbreak Erosion Control Other

I acknowledge that I received my trees/shrubs/plants on: . If picking up later than the original dates (4/23 & 4/24), I understand that it risks the viability of the plants and the District is NOT responsible for loss of plant stock due to: late pickup, mishandling or poor weather conditions. Pickup Acknowledgement-Initial/Date upon pickup:

Please do not initial until you pick up your order!

| | Name (Genus species) & Approximate Size | Pricing Per Pack | | | # of 10 pks. | # of 50 pks. | # of 100 pks. | Total Cost |
|---|--|------------------|-------------|---------------|--------------|--------------|---------------|------------|
| CONIFERS | Colorado Blue Spruce (<i>Picea pungens</i>) 15+'' | \$11 per 10 | \$45 per 50 | \$79 per 100 | | | | |
| | Douglas Fir (<i>Pseudotsuga menziesii</i>) 15+'' | \$11 per 10 | \$45 per 50 | \$79 per 100 | | | | |
| | Eastern White Pine (<i>Pinus strobus</i>) 6-14'' | \$15 per 10 | \$62 per 50 | \$109 per 100 | | | | |
| | Fraser Fir (<i>Abies fraseri</i>) 10-18'' Transplants | \$22 per 10 | \$92 per 50 | \$172 per 100 | | | | |
| | Norway Spruce (<i>Picea abies</i>) 15+'' | \$11 per 10 | \$45 per 50 | \$79 per 100 | | | | |
| | White Spruce (<i>Picea glauca</i>) 15+'' | \$11 per 10 | \$45 per 50 | \$79 per 100 | | | | |
| SHRUBS | Black Elderberry (<i>Sambucus canadensis</i>) 12-18'' | \$14 per 10 | \$59 per 50 | | | | | |
| | Buttonbush (<i>Cephalanthus occidentalis</i>) 12-18'' | \$14 per 10 | \$59 per 50 | | | | | |
| | Common Hoptree (<i>Ptelea trifoliata</i>) 12-18'' NEW! | \$19 per 10 | \$85 per 50 | | | | | |
| TREES | American Hazelnut (<i>Corylus americana</i>) 12-18'' | \$13 per 10 | \$60 per 50 | | | | | |
| | American Sycamore (<i>Platanus occidentalis</i>) 18-24'' | \$14 per 10 | \$66 per 50 | | | | | |
| | Black Cherry (<i>Prunus serotina</i>) 18-24'' | \$14 per 10 | \$66 per 50 | | | | | |
| | Black Walnut (<i>Juglans nigra</i>) 18-24'' NEW! | \$15 per 10 | \$69 per 50 | | | | | |
| | Eastern Redbud (<i>Cercis Canadensis</i>) 10-18'' NEW! | \$14 per 10 | \$59 per 50 | | | | | |
| | Northern Catalpa (<i>Catalpa speciosa</i>) 18-24'' NEW! | \$19 per 10 | \$84 per 50 | | | | | |
| | Persimmon (<i>Diospyros virginiana</i>) 12-18'' | \$15 per 10 | \$70 per 50 | | | | | |
| | Red Oak (<i>Quercus rubra</i>) 12-24'' | \$10 per 10 | \$43 per 50 | | | | | |
| | River Birch (<i>Betula nigra</i>) 12-18'' | \$13 per 10 | \$60 per 50 | | | | | |
| | Sweetgum (<i>Liquidambar styraciflua</i>) 18-24'' | \$15 per 10 | \$70 per 50 | | | | | |
| | Sugar Maple (<i>Acer saccharum</i>) 12-18'' | \$17 per 10 | \$80 per 50 | | | | | |
| | White Flowering Dogwood (<i>Cornus florida</i>) 12-18'' | \$13 per 10 | \$60 per 50 | | | | | |
| White Oak (<i>Quercus alba</i>) 12-18'' | \$13 per 10 | \$60 per 50 | | | | | | |

THERE'S MORE ON THE BACK – FLIP OVER!!!

Total Page 1 \$ _____ .00

Carry Page 1 total to Page 2

| | Name (Genus species) & Approximate Size | Pricing Per Pack | | # of 10 pks. | # of 50 pks. | # of 100 pks. | Total Cost |
|---|---|------------------|-------------|---|-----------------|-----------------|------------|
| OTHER | Black-eyed Susan (<i>Rudbeckia hirta</i>) rooted clump | \$19 per 10 | \$81 per 50 | | | | |
| | Blazing Star (<i>Liatriis spicata</i>) rooted clump NEW! | \$13 per 10 | \$55 per 50 | | | | |
| WILDLIFE & CONSERVATION MULTI-PACKS | | | | Pricing Per Pack (tax included) | Quantity | Total \$ | |
| 1. Edible Fruit Shrub Multi-Pack: 10 dormant plants; 2 each: Blackberry, Blueberry (Jersey), Blueberry (Blue Ray), Raspberry, Strawberry | | | | \$35 | | | |
| 2. Fern Plant Multi-Pack: 10 dormant plants; 2 each: Cinnamon, Christmas, Ostrich, Maidenhair, New York | | | | \$21 | | | |
| 3. Native Flowering Tree & Shrub Multi-Pack: 10 plants (18-24"); 2 each: Silky Dogwood, Elderberry, Eastern Redbud, Black Chokeberry, White Flowering Dogwood | | | | \$21 | | | |
| 4. Hosta Plant Variety Multi-Pack: 10 plants; 2 each: Fortunei-Hyacinthina, F. Aureo marginata, Variegated Hosta Undulata albo, Variegated Hosta Undulata variegata, Variegated Hosta Ventricosa | | | | \$21 | | | |
| 5. Wildlife Pack: NEW PACK! 10 plants (6-12"); 2 each: Swamp White Oak, American Hazelnut, Ninebark, Wild Plum, Red Osier Dogwood | | | | \$21 | | | |
| 6. Wild Berry Pack: NEW PACK! 10 plants (6-12"); 3 Elderberry, 2 Shadblow/Downy Serviceberry, 3 Native Raspberry, 2 Red Mulberry | | | | \$23 | | | |
| SEED MIXES & OTHER ITEMS | | | | Pricing Per Pack (tax included) | Quantity | Total \$ | |
| Cover Crop Seed Mix: NEW MIX! An annual mix of plants that control erosion and cover soil in fall. Some species will winter kill and provide organic matter, while others will regrow in spring and yield nutrients for new crops. Suitable for 1/10 acre (4,356 ft. ²). | | | | 5 lb. Bag – \$33.00 | | | |
| Full Sun Wildflower Seed Mix: A mix of annuals, perennials and biennials for full sun. | | | | 4 oz. - \$11.00 | | | |
| Partial Sun Wildflower Seed Mix: A mix of annuals, perennials and biennials for partial sun. | | | | 4 oz. - \$11.00 | | | |
| Wildlife Food Plot Seed Mix: A perennial mix of White Clover, Soy Bean, & Alfalfa to enhance the habitat offered to wildlife. Suitable for 1/4 acre. | | | | 10 lb. Bag - \$60.00 | | | |
| Bat Box: Bats consume many insects! Encourage them to stay in your area by providing shelter. | | | | \$15.00 | | | |
| Bluebird Nest Box: Provide habitat for our state bird! | | | | \$16.00 | | | |
| Fertilizer Tablets: Slow release; 2 yr. life. 10 tablets per bag. | | | | \$1.00/10 | | | |
| Flags: 3 ft. wire with colored flag. Bundle of 100. | | | | \$14.00/100 | | | |
| Tree Tubes: 48" biodegradable tubes to protect trees from deer & small mammal damage. (Stakes & nets included) | | | | Single - \$9; 10 pk.-\$75; 50 pk.-\$356 | | | |
| <p>Online ordering and checkout is available through our website OR by mailing/emailing this form with payment provided via check or credit card (detailed options on front page). Mail forms/checks to: Monroe County SWCD, 145 Paul Road, Bldg. 5, Rochester, NY 14624 Email forms to: mcswcd@monroecounty.gov Make checks payable to: Monroe County SWCD Credit card payments:</p> <p>Name on Card: _____ Card # _____ Type (circle one): Visa/Mastercard/Discover (American Express not accepted at this time) Expiration Date: ____/____ (Month/Year) CVV Code: _____ (3 digit code on back of card)</p> <p>PLEASE REMEMBER: THE CONFIRMATION WE MAIL/EMAIL TO YOU WILL BE THE ONLY CONTACT WE HAVE WITH YOU UNTIL THE SCHEDULED PICK UP DATES.</p> <p>Pick up of your order will be at the Monroe County ecopark. For directions: www.monroecounty.gov/ecopark **ALL ORDERS MUST BE RECEIVED BY MARCH 6, 2020. **</p> | | | | <p>Total Pg. 2 \$ _____ .00</p> <p>Total Pg. 1 \$ _____ .00</p> <p>Total Payment :</p> <p>\$ _____ .00</p> <p><i>Please do NOT add sales tax</i></p> | | | |

Please Read: All seedlings are bare root stock. Consult our catalog (www.monroecountyswcd.org) for detailed descriptions of what a bare root plant is and other details. Stock may be used for wildlife habitat, erosion control, reforestation, windbreaks, landscaping, Christmas trees, etc. All trees and shrubs sold are to be used for these practices. Trees and shrubs are sold with the understanding that they will not be removed from the planted site for resale with the roots attached. Orders are filled on a first-come, first-serve basis. The District reserves the right to refund payment on items if they should become unavailable. Because the District cannot ensure proper planting location, guard against improper planting or handling, guarantee sizes (due to the growing season and/or weather related problems); the District will not be responsible for replacement or refunds of orders after distribution. Returned checks WILL NOT be resubmitted and will incur a \$20 fee, followed by the need for a cash or money order payment. Orders not picked up by May 1st will be forfeited without refund. Credit card refunds will be subject to a 5% fee deducted from the total amount of purchase.

Western New York Stormwater Training Series

Every year, the Monroe County Soil & Water Conservation District partners with the state to run the Western New York Stormwater Management Training Series. Our goal for these trainings is to provide the best technical training to all stormwater professionals working in New York State. These trainings offer professional and educational development opportunities for engineers, planners, municipal staff, teachers, landscape architects, and other stormwater professionals. We are excited to bring you several new and requested topics throughout the series. Here are our 2020 courses:

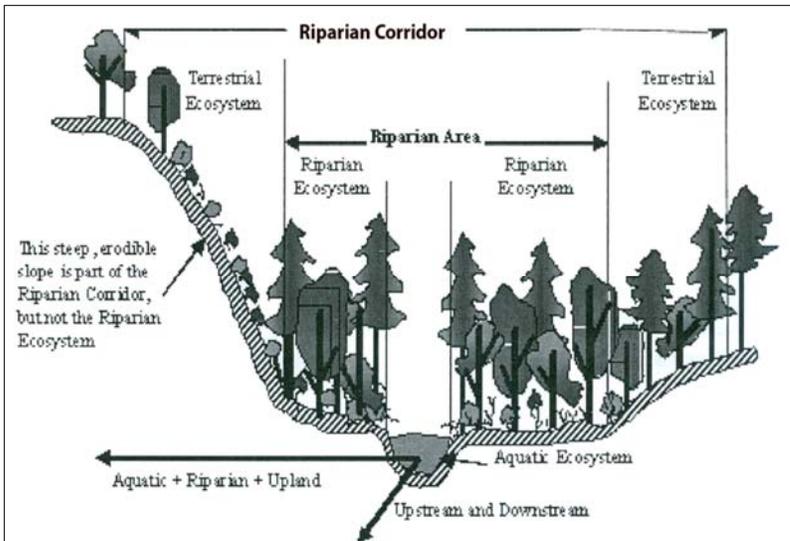
| Course | Date |
|---|---------|
| Green Infrastructure | 1/29/20 |
| Stormwater Management and Land Planning: Redevelopments and Retrofits | 2/26/20 |
| The Stormwater Construction Permit | 3/25/20 |
| Illicit Discharge, Pollution Prevention Programs and the New MS4 Permit | 5/6/20 |

Registration will be opening soon! Please visit our Stormwater Trainings page for more details: <http://www.monroecountyswcd.org/Pages/StormwaterTrainings.html>

AEM Forestry

Agricultural Environmental Management (AEM) is a tool used to integrate environmental protection with the economic needs of a farm. Over the years, our AEM program has evolved to include all types of farms including: dairy, beef, row crop, and vegetables. Managing these operations under AEM allows farmers to save money and act as responsible stewards for the land. While often overlooked because it's not usually the primary farm operation, forested land can be a valuable economic resource for the farm, but should be managed carefully. Managing timber both during and after harvest can help minimize environmental damage and allow for trees to be taken safely and sustainably.

Some of the environmentally sensitive areas to consider during a timber harvest are areas that are usually within 30-50 feet of a stream bank, wetland and vernal pools; as well as steep slopes or erosion prone soils. Once infrastructure like roads for vehicles such as harvesters and skidders (vehicles that remove cut trees) are established for the timber harvest,



utilizing best management practices (BMP), such as fencing and straw bale wattles (a “log” of straw), will trap and prevent sediment from reaching sensitive waterways. BMP’s after the harvest are as important as during the harvest, so seeding down areas where trees have been cut, and installing water diversion ditches on trails will help maintain forest soil health until the next timber harvest. (For more information pertaining to forestry BMPs: (https://www.dec.ny.gov/docs/lands_forests_pdf/dlfbmpguide.pdf) and contact Jeremy Paris at jeremyparis@monroecounty.gov for more information!)

A diagram of a riparian corridor. Harvesting trees on steep slopes can erode soil and harm aquatic ecosystems!

**Monroe County Soil & Water
Conservation District**

145 Paul Road, Building 5
Rochester, NY 14624
Phone: 585-753-7380
M-F 8am-4pm

mcswd@monroecounty.gov
www.monroecountyswd.org



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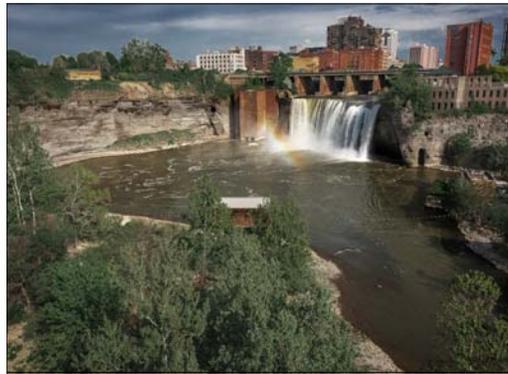
Amanda Little
Soil & Water Resource Technician

Matthew Gallo
Conservation Program Specialist

Stephanie Castle
Watershed Agricultural Coordinator

Genesee River Watershed Database

The Genesee River watershed coalition hired three interns in summer and fall of 2019 to summarize a decade's worth of agricultural best management practices throughout the Genesee watershed. This information helps highlight how many farms conservation districts have worked with in priority areas through the Agricultural Environmental Management (AEM) program. We can now better understand what practices are having the most impact on the



landscape and what geographic areas still need improvement. The database is part of a larger initiative to track the progress of water quality improvements and conservation efforts across western New York. Nutrient reduction estimates will be available at the sub-watershed level in spring 2020. Prior to this, there was no repository of information for agricultural conservation practices in this area of the state.

Great Lakes Restoration Initiative Projects

In the past two years the district has implemented approximately 16,000 ft. of livestock exclusion fencing on two farms in the Genesee River Watershed. The purpose of an exclusion fence is to prevent livestock (and their defecation) from reaching streams, as the excess nutrients from livestock waste can contribute to algal blooms and impair water quality. Further, 200 acres of cover cropping were planted on one farm in the Genesee River Watershed as well. Cover crops are planted after crops are harvested and the soil becomes bare. By using cover crops, farmers are able to keep soil on their land and in effect, reduce algal bloom risk, aquatic habitat damage, and more. These projects were funded through the Great Lakes Restoration Initiative grant contract, and will help prevent approximately 400 tons of sediment, 30 lbs. of nitrogen and five lbs. of phosphorus per year, from entering the watershed.



2019 State Fair Contest Winner!

Congrats to Ted Kidd for winning the rain gauge guessing contest at the New York State Fair this year! Amazingly, out of 508 participants, Ted was the only one who guessed the **exact** number of gummy worms in the rain gauge at 83! Ted will receive a jumbo rain gauge as a prize.

This newsletter is published quarterly by the Monroe County Soil & Water Conservation District and is available at no cost to interested landowners, land users, and to the general public. If you would like to receive our newsletter, call us with your email address or view it online at www.monroecountyswd.org. Programs and services offered through the Monroe County Soil & Water Conservation District are made possible through the financial support of the County of Monroe, State of New York, specialized grant opportunities, and fundraising programs. All SWCD programs and