



# STARK STEWARDSHIP

Winter 2021

## Board of Supervisors

Ann Wolfe  
Natalie Hammer  
Rodney Campbell  
Rick Horner  
Andy Wentling

## District Staff

John S. Weedon  
Sarah E. Matheny  
Matthew Ferrel  
Jay Jordan  
Megan Liggett

## NRCS Staff

Sandy Chenal  
Tim Scott

2650 Richville Dr. SE,  
Suite 100  
Massillon, 44646  
330.451.7645  
[www.starkswcd.org](http://www.starkswcd.org)

Monday to Friday  
8:00 a.m. to 4:30 p.m.

**Closed:** President's Day  
(February 15th)

**Board Meetings:** 2nd  
Thursdays at 8:00 a.m.

## Managing Your Pond

Learn tips and tricks when it comes to managing your pond. We will cover pond management as it relates to fish stocking and aquatic vegetation maintenance.

- March 24th (6:30 p.m.) Online via Zoom (free) - To sign up, please call the District at 330.451.7645 to receive sign in instructions and the link.

## Connecting Rainwater to Your Yard

Learn how to use native rain gardens in your backyard to enhance its beauty while reducing wet areas.

- March 25th (6:30 p.m.) Online via Zoom (free) - To sign up, please call the District at 330.451.7645 to receive sign in instructions and the link.

## Composting & Rain Barrels

Explore easy to install green practices for your backyard to promote sustainability.

- April 13th (6:30 p.m.) Online via Zoom (free) - To sign up, please call the District at 330.451.7645 to receive sign in instructions and the link.

## Backyard Sustainability with Composting & Rain Barrels

In collaboration with Stark Parks Backyard Habitat Series, join us to learn more about how to incorporate composting and rain barrels to enhance the sustainability of your own backyard.

- April 23rd (6:00 p.m.) Online via Zoom (free) - To sign up visit Stark Parks' website ([www.starkparks.com](http://www.starkparks.com)) for link and additional information.

## Rain Garden Tour

The Wilderness Center and Stark Soil & Water partnered to create a native garden at The Wilderness Center's headquarters. Tour the rain garden and learn about its progress.

- May 1st from 11:00 a.m. to 1:00 p.m. at The Wilderness Center.

## Eastern Ohio Grazing Council

Pick up tips and tricks for your grazing operation with EOGC's Winter YouTube Series.

- February 25th
- March 25th
- April 22nd

You can find the channel from a quick search or subscribe to the channel at <https://www.youtube.com/channel/UCRI04j47XCVmBn-kLcxbMQw/videos>

*Stark Soil & Water greatly appreciates our Stark County Commissioners — Janet Weir Creighton, Richard Regula, and Bill Smith— for their continued financial support of the District.*

## Stark Soil & Water Conservation District 2021 Seedling Tree Sale

Growth							
Native Conifer Species	Height	Width	Rate	Sunlight	Soil Moisture	Soil pH	Comments/Uses
Eastern White Cedar	40'-45'	12'-15'	S,M	S,P	M,W	N	ornamental, wet footed
White Pine	60'-80'	20'-40'	F	S	M	A, N	timber, windbreak, wildlife
Native Broadleaf Species							
Small Trees & Shrubs (<20')							
American Plum	15'-25'	15'-25'	F	S	D, M	N	edible fruit, fragrant flowers, attracts birds
Chokecherry	20'-30'	15'-20'	M	S, P, SH	M	N	edible fruit, showy white flowers
Pawpaw	15'-30'	15'-30'	F-M	S,P	M,W	A,N	edible fruit, wildlife
Redbud	25'-30'	26'-33'	M	S,P	M,W	B	adaptable, edible pink-magenta flowers
Red Osier Dogwood	20'-30'	20'-25'	M-S	S,P	M	A	spring flowers, red/burgandy autumn color
Witch Hazel	15'-20'	15'-20'	M	P,SH	M	A	attractive fall color, wildlife, medicinal
Large Trees							
Black Walnut	75'-100'	20'-40'	M	P,SH	M,D	A	edible fruit, Timber , good shade
Ohio Buckeye	20'-40'	20'-40'	M	S, P, SH	M,W	A	attracts wildlife, Ohio's State Tree
Red Maple	40'-70'	30'-50'	M	S,P	W	A	lovely fall foliage, wildlife
Red Oak	50'-60'	50'-60'	F	S	D,M	N	tolerates dry conditions, timber, landscaping
River Birch	40'-70'	40'-60'	F	S,P	W,M	N	unique flaky bark, wildlife
Swamp White Oak	50'-70'	50'-70'	M-S	S,P	W,M	A	adaptable, bottomlands, timber, wildlife
Tuliptree	60'-90'	30'-50'	F	S	M	A	showy flowers, attracts wildlife, medicinal
White Oak	50'-70'	50'-70'	M-S	S,P	D,M	N	timber, wildlife, long-lived, ornamental
Growth Rate: F = fast >12"/yr, M = medium 6"-12"/yr, S = slow 2"-6"/yr							
Soil pH: A = acidic (6.5 or less), N = normal pH range (6.5 - 7.5)							
Light Required: S = sun, P = part sun/part shade, SH = shade							
Soil Moisture: D = dry, M = medium, W = wet							

### Stocking Recommendations (1 acre Pond)

A well functioning pond has a balance of predator and forage fish.

Largemouth bass are typically recommended predator fish because they have high spawn rates and low mortality. Bluegill are desirable forage fish as they have a high spawn rate as well and are a diet staple for bass.

The correct ratio is 100 bass to 500 bluegill per acre.

Consider ONE of the following species for variety and diversity:

100 Channel Catfish      100 Yellow Perch      100 Redear Sunfish

Fathead minnows can also be added for supplemental feeding.

If you have a larger pond, multiple the above numbers by acre size.

### Biological Vegetation Control

White amurs can be stocked to help reduce excessive vegetation. However, pond owners should not expect them to solve a vegetation problem by themselves. Amurs are also poor at regulating algae and consume it only when no other vegetation is available.

For assistance with your pond, contact Jay Jordan at 330.451.7643.

STOCKING RECOMMENDATIONS	
Amurs (per acre)	Percentage of Pond Covered by Plants
0	>20%
5	20-40%
10	40-60%
20	>60%

# 2021 Tree Sale

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

**ADDRESS:**

**PHONE NUMBER (REQUIRED):**

**May we add your email to our quarterly electronic newsletter?**  
**YES or NO**

**Mail or Drop Off form and check to:**

Stark Soil & Water (*checks payable*):

2650 Richville Dr. SE, STE 100

Massillon, Ohio 44646

**Order online @ [www.lickingswcd.com](http://www.lickingswcd.com)**

## ORDER DEADLINE: March 17th

## PICK UP: April 19th – 21st

8:00 a.m. - 6:00 p.m.

*All orders are subject to availability*

PLEASE INDICATE QUANTITY NEXT TO ITEM & CIRCLE PACK OF 5, 25 or 100						
Native Conifers	Qty.	Sapling 2.5'	Pack of 5 12"-18"	Pack of 25 6"-9"	Pack of 100 6"-9"	Total
Eastern White Cedar		n/a	\$10.00	\$20.00	\$60.00	
White Pine		n/a	\$10.00	\$20.00	\$60.00	
PLEASE INDICATE QUANTITY NEXT TO ITEM & CIRCLE PACK OF 5, 25 or 100						
Native Broadleaf Small Trees & Shrubs (<20')	Qty.	Sapling 3'-4'	Pack of 5 12"-18"	Pack of 25 6"-12"	Pack of 100 6"-12"	Total
American Plum		\$10.00	\$10.00	\$30.00	\$90.00	
Chokecherry		n/a	\$10.00	\$30.00	\$90.00	
Pawpaw		n/a	\$10.00	\$30.00	\$90.00	
Redbud		\$10.00	\$10.00	\$30.00	\$90.00	
Red Osier Dogwood		\$10.00	\$10.00	\$30.00	\$90.00	
Witch Hazel		n/a	\$10.00	\$30.00	\$90.00	
Native Broadleaf Large Trees	Qty.	Sapling 3'-4'	Pack of 5 12"-18"	Pack of 25 6"-12"	Pack of 100 6"-12"	Total
Black Walnut		n/a	\$10.00	\$30.00	\$90.00	
Ohio Buckeye		n/a	\$10.00	\$30.00	\$90.00	
Red Maple		n/a	\$10.00	\$30.00	\$90.00	
Red Oak		n/a	\$10.00	\$30.00	\$90.00	
River Birch		\$10.00	\$10.00	\$30.00	\$90.00	
Swamp White Oak		n/a	\$10.00	\$30.00	\$90.00	
Tuliptree		n/a	\$10.00	\$30.00	\$90.00	
White Oak		n/a	\$10.00	\$30.00	\$90.00	
Additional Items	Qty.		Cost			Total
Wildflower Seeds			\$5.00			
Boundary Marking Paint (yellow)			\$7.00			
Tree Tube and Wood Stake			\$5.00			
Marking Flags (white)			\$0.10			
Dibble Bar			\$55.00			
Rain Barrel*			\$60.00			
*Not available on-line						
<b>Orders of &gt;100 single species please call 330.451.7645</b>						
Grand						



# 2021 Fish Sale

NAME:

ADDRESS:

PHONE NUMBER (REQUIRED):

EMAIL:

May we add your email to our quarterly electronic newsletter?  
YES or NO

Mail or Drop Off form and check to:

Stark Soil & Water (checks payable):

2650 Richville Dr. SE, STE 100  
Massillon, Ohio 44646

ORDER DEADLINE: April 2nd

PICK UP: April 6th

9:30 a.m. - 10:30 a.m.

All orders are subject to availability

PLEASE INDICATE QUANTITY NEXT TO ITEM & TOTAL				
Fish Species	Size	Quantity	Price	Total
Black Crappie	2" - 4"		\$0.90 ea.	
Bluegill	2" - 3"		\$0.90 ea.	
Hybrid Bluegill	2" - 4"		\$0.90 ea.	
Fathead Minnow (Minimum order is 100)	2" - 3"		\$0.07 ea.	
Koi	6" - 8"		\$12 ea.	
Channel Catfish	4" - 5"		\$0.75 ea.	
Largemouth Bass	2" - 3"		\$1.00 ea.	
Redear Sunfish	2" - 4"		\$0.90 ea.	
White Amur	8" - 10"		\$13 ea.	
Yellow Perch	2" - 3"		\$0.95 ea.	
Additional Items				
Item	Size	Qty.	Price	Total
Nature Pond Condition	1 Gal		\$90	
	5 Gal		\$375	
<b>Bring a container with plastic liner &amp; 1/3 full of pond water for each pond.</b> <b>No more than 100 fish of same species per container; 1,000 minnows per container.</b>				GRAND TOTAL



## 2020 Stark County's Healthiest Soil

Stark SWCD awarded Stark County's Healthiest Soil to Kenny Blim, a crop farmer in Washington Township.

District staff tested entries using five soil health assessments including slake test (which measures stability of soil when exposed to rapid wetting), soil structure, smell, infiltration, and organic matter. Kenny's soil performed well in all categories, doing especially well in the infiltration test. This is due to a significant amount of pore spaces and earthworm holes present in his soil, which increases water flow through the soil profile. His soil sample was also a standout in soil structure because Kenny avoids tillage in the field where he pulled his soil sample.

Let's continue to work together to build and promote the importance of healthy soils in Stark County!

## Monarch Butterflies

Do you have an interest in establishing a monarch butterfly pollinator plot? The District has free milkweed seed packets that can cover a ¼ acre. Please fill out the request form on our website ([www.starkswcd.org](http://www.starkswcd.org)) by March 1st. First come first serve. Call 330.451.7645 if you have any questions.

## Improving Pasture by Frost Seeding

Frost seeding legumes is a great way to boost production and fill bare spots. Seed-to-soil contact is vital. Broadcasted seed needs to fall directly on the soil surface to be worked into the soil through freeze-thaw cycles, typically occurring November through March. This can be accomplished by heavy grazing in late fall and early winter or by mowing to a low height prior to seeding. Clover and Birdsfoot Trefoil are good species to broadcast into a legume less pasture. Here are recommended rates for frost seeding (lbs/ac): Red Clover (6 to 10); Ladino Clover (2 to 5); Birdsfoot Trefoil (5 to 8); and Alfalfa (6 to 10).

## From the Drainage Desk

A drainage easement is typically created to set aside land for storm water lines buried beneath it or as an intended pathway for surface water to flow. An easement is still part of your private property. However, it does have restrictions and responsibilities for you as an owner or resident.

### Drainage Easement DO:

- DO install silt fence or other measures to control sediment and keep it out of the downstream areas if you do yard work that disturbs the soil near the easement.
- DO remove saplings nature planted or build-ups of debris or trash. These barriers can change or block the natural flow of surface water, which can result in flooding.

### Drainage Easements Do NOT:

- Do NOT fill, obstruct, block, alter or leave debris or trash in the drainage easement.
- Do NOT construct or place improvements such as pools, sheds, fences, or other structures in the easement. Even temporary obstacles that cannot be easily moved (e.g., swing sets) may impede the flow of surface water in the easement.
- Do NOT modify the existing topography or ground surface of the easement.
- Do NOT dispose of limbs, brush, grass clippings, leaves, or other such materials in the easement. If the easement is intended to carry a significant amount of water, debris can clog pipes and inlets further downstream and possibly cause flooding.



2650 Richville Dr. Suite 100  
Massillon, Ohio 44646  
330.451.7645 (SOIL)  
[www.starkswcd.org](http://www.starkswcd.org)  
Facebook: StarkSWCD  
Twitter: @Stark\_SWCD



## 4 Easy Tips For Protecting Storm Water



Water is essential for life, so maintaining clean and healthy water sources are of the utmost importance. Here are four easy tips that you can implement in your life to help keep our waters clean.

Clean up after your pet. Waste from animals can carry bacteria, parasites, and other health hazards into our waterways and cause a risk for people and other animals.

Use less sidewalk and driveway salt. One heaping coffee mug of salt can cover 250 square feet or 10 sidewalk squares. Salt degrades paved surfaces over time, kills nearby plants, and can end up in storm drains with rainfall or snowmelt and into our waterways. Reduce the amount of salt used when possible, or try using an eco-friendly alternative such as sand.

Recycle when possible, compost if able, and dispose trash properly. Recycling and composting are great ways to protect storm water. Always use proper receptacles for trash. Litter can make its way to our waterways and negatively affect water quality.

Only rain down the drain. Never dump anything down a storm drain. These storm drains are designed to transport surface water (rainwater, snowmelt, and runoff) to nearby waterways.

### *Help Us Save Money!*

Request this newsletter electronically and help reduce our postage and printing expenses.

Send an email to [jsweedon@starkcountyohio.gov](mailto:jsweedon@starkcountyohio.gov) with the message, "Want to save you money" or "Please put me on your electronic mailing list" or "Spend your money on other stuff."

Much appreciated.