



STARK STEWARDSHIP

Winter 2020

Board of Supervisors

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District Staff

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NRCS Staff

Sandy Chenal

2650 Richville Dr. SE,
Suite 100
Massillon, 44646
330.451.7645
www.starkswcd.org

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

Closed: President's Day
(February 17th)

Board Meetings: 2nd
Wednesday at 8:00
a.m.

Compost Bin Workshop & Sale

Want to turn leaves, grass clippings, and table scraps into soil gold? Purchase a compost bin for \$50 and learn how to install and maintain a bin as well as the art and science of composting. RSVP at 330.451.7645.

- April 23rd (6:00 p.m. to 7:30 p.m.) @ Exploratory Gateway (Sippo Lake Park-East, 5712 12th St. NW, Canton)

Homeowners' Yard Seasonal Prep

Get ready for spring by waking up your lawn, installing water smart practices, and establishing new planting schemes.

- April 28th (6:00 p.m. to 7:00 p.m.) @ Constitution Center (1022 West Main St., Louisville)

Natural Lawns

Learn how to use less chemicals on your yards and gardens. The workshop will cover alternative fertilizers and natural ways to increase your fall harvest.

- March 4th (5:30 p.m. to 6:30 p.m.) @ Jackson Township Hall (5735 Wales Ave. NW, Massillon)

Rain Barrel Workshop & Sale

Reduce flooding and erosion by saving rain water for gardens/lawns with a rain barrel. Purchase a rain barrel/diverter kit for \$65. Learn how to install and maintain a rain barrel.

- March 18th (6:00 p.m. to 7:00 p.m.) @ Constitution Center (1022 West Main St., Louisville)
- April 2nd (5:30 p.m. to 6:30 p.m.) @ Canton Township Hall (4711 Central Ave. SE, Canton)

Streamside Maintenance

Interested in learning how to properly maintain a stream or waterway in your backyard? Learn how to reduce erosion and keep your backyard stream healthy.

- April 15th (5:30 p.m. to 6:30 p.m.) @ Perry Township Hall (3111 Hilton St. NW, Massillon)

Test Your Lawn & Garden Soil

Bring soil sample from your yard or garden to the workshop. Collect sample by removing ground cover, digging a 4 inch hole, taking a slice of soil, and emptying 1 to 2 cups of soil in a container. Bring 2nd container (glass mason jar or something similar) to test soil texture.

- March 10th (5:30 p.m. to 6:30 p.m.) @ Plain Township Hall (2600 Easton St. NE, Canton)
- April 8th (5:30 p.m. to 6:30 p.m.) @ Navarre Village Hall (27 West Canal St., Navarre)

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.

Native Conifer Species	Height	Width	Rate	Sunlight	Soil Moisture	Soil pH	Comments/Uses
Bald Cypress	50'-70'	20'-45'	M	S, P	M, W	A	long living, deciduous conifer
White Pine	60'-80'	20'-40'	F	S	M	A, N	timber, windbreak, wildlife
Native Broadleaf Species	Height	Width	Growth Rate	Sunlight	Soil Moisture	Soil pH	Comments/Uses
American Plum	15'-25'	15'-25'	F	S	D, M	N	edible fruit, fragrant flowers, attracts birds
Chestnut Oak	50'-70'	50'-70'	S-M	S	D, M	N	wildlife, timber
Chokecherry	20'-30'	15'-20'	M	S, P, SH	M	N	edible fruit, showy white flowers
Hackberry	40'-60'	40'-60'	M-F	S, P	M	N	edible fruit, attracts wildlife, unique bark
Ohio Buckeye	20'-40'	20'-40'	M	S, P, SH	M, W	A	attracts wildlife, Ohio's state tree
Pawpaw	15' - 30'	15' - 30'	F-M	S, P	M, W	A, N	edible fruit, wildlife
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
Redbud	25' - 30'	26' - 33'	M	S, P	M, W	B	adaptable, edible pink-magenta flowers
River Birch	40'-70'	40'-60'	F	S, P	W, M	N	unique flaky bark, wildlife
Sassafras	30'-60'	25'-40'	F	S, P	M	A	aromatic, wildlife, roots can be used for teas
Swamp White Oak	50' - 70'	50' - 70'	M-S	S, P	M	A	adaptable, bottomlands, timber, wildlife
Thornless Honey Locust	60'-80'	60'-80'	F	S	M	N	attractive, wildlife
Tulip Poplar	60'-90'	30'-50'	F	S	M	A	showy flowers, attracts wildlife, medicinal
Washington Hawthorn	25'-30'	25'-30'	M	S	M	N	shrubby tree, showy flowers, attracts wildlife
White Flowering Dogwood	20' - 30'	20' - 25'	M-S	S, P	M	A	spring flowers, red/burgundy autumn color
White Oak	50' - 70'	50' - 70'	M-S	S, P	D, M, W	N	timber, wildlife, long-lived, ornamental
Winterberry	3'-12'	3'-12'	S-M	S, P, SH	M, W	A	red fruits, attracts birds and butterflies
Witch Hazel	15'-20'	15'-20'	M	P, SH	M	A	attractive fall color, wildlife, medicinal

Growth Rate: F = fast 12"/+year, M = medium 6"-12"/year,
S = slow 2"-6"/year

Soil pH: A = acidic (6.5 or less), N = normal pH range (6.5 - 7.5)
B = basic/alkaline (7.5 or higher)

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 200 bluegill.

Consider the following species for variety and diversity:

100 catfish 100 crappie 100 perch 100 hybrids 100 shell cracker 1,000 minnows

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

Biological Vegetation Control

White amurs successfully control milfoil, marsh grasses, pondweeds, coontail, naiad, and cattails. Amurs are poor at regulating algae and consume it only when no other vegetation is available. Pond owners should not apply a concentration of more than 1 part per million of copper sulfate, a chemical used to control algae, if they plan on stocking amurs in their ponds.

STOCKING RECOMMENDATIONS

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



2020 Tree 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 online @ www.lickingswcd.com

ORDER DEADLINE: March 20th

PICK UP: April 20th – 24th

8:00 a.m. – 4:30 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
Bald Cypress		n/a	\$10.00	\$20.00	\$60.00	
White Pine		\$5.00	\$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	
Washington Hawthorn		n/a	\$10.00	\$30.00	\$90.00	
White Flowering Dogwood		n/a	\$10.00	\$30.00	\$90.00	
Winterberry		n/a	\$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
Chestnut Oak		n/a	\$10.00	\$30.00	\$90.00	
Hackberry		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	
Sassafras		n/a	\$10.00	\$30.00	\$90.00	
Swamp White Oak		n/a	\$10.00	\$30.00	\$90.00	
Thornless Honey Locust		n/a	\$10.00	\$30.00	\$90.00	
Tulip Poplar		\$10.00	\$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			
Questions or Special Orders (>100 of same species) call 330.451.7645						Grand Total

2020 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 3rd

PICK UP: April 7th

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"		\$0.85 ea.		
Bluegill	2" - 3"		\$0.85 ea.		
Hybrid Bluegill	2" - 4"		\$0.80 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"		\$0.90 ea.		
Redear Sunfish	2" - 4"		\$0.85 ea.		
White Amur	8" - 10"		\$14 ea.		
Yellow Perch	2" - 3"		\$0.85 ea.		
Additional Items					
Item	Size	Qty.	Price	Total	
Nature Pond Conditioner	1 gallon		\$90		
1 gallon= .25acre	5 gallon		\$370		
<p>Bring a container with plastic liner & 1/3 full of pond water for each pond. No more than 100 fish of same species per container; 1,000 minnows per container.</p>				GRAND TOTAL	

Wildlife Workshop

Learn how to apply for funds from USDA-Natural Resources Conservation Service to help improve wildlife habitat opportunities, treat invasive species, and establish new types of habitat on your property. Speakers will discuss conservation practices that benefit wildlife and the land.

- Tuesday, March 3, 2020 from 6:00 p.m. to 7:00 p.m.
- USDA Service Center Conference Room (2650 Richville Dr. SE, Massillon)

Pond Workshop

Looking for ideas to rejuvenate an old stagnant pond? Come join us for a presentation from Eugene Braig, OSU Program Director, Aquatic Ecosystems. He will present information on managing your pond's aquatic plants and algae so you can better enjoy your pond.

- Wednesday, March 25, 2020, from 6:00 p.m. to 7:00 p.m.
- USDA Service Center Conference Room (2650 Richville Dr. SE, Massillon)

Farmer's Breakfasts

Join District board members, staff, and partners for the Farmer's Breakfast series at Thompson's Dairyland (7519 Columbus Rd. NE, Louisville). Meals are optional and at your own expense.

Thursday, February 6th, at 8:00 a.m. — FARM DRAINAGE

Thursday, March 5th, at 8:00 a.m. — CROP INSURANCE

Thursday, April 4th, at 8:00 a.m. — PLANTING GREEN

From the Drainage Desk

Downspouts redirect storm water away from a house's foundation by taking the water that collects in gutters and pushes it through the vertical tube that runs alongside the home, usually at the corners. Water then empties onto open ground, into a yard drain, or through underground pipes. Leaves, sticks, soil, or even remains of bird's nests, can collect in downspouts and push water back towards the house. This often leads to ponding water, yard erosion, leaky basements, compacted soils, and cracked foundations. During site visits, staff ask the following questions to better help homeowners understand how their downspout system works:

Do you know where your downspouts flow to?

Does water outlet on the lawn or run underground to the curb?

Does water pool around the gutters at the foundation of your home?

When was the last time you checked or cleaned your downspouts?

No matter what system you have, downspout maintenance should be included in your annual home inspections. Clean out gutters and make sure only water flows through the downspouts. An ounce of prevention equals a whole lot of grief avoided.



2650 Richville Dr. Suite 100
Massillon, Ohio 44646
330.451.7645 (SOIL)
www.starkswcd.org
Facebook: StarkSWCD
Twitter: @Stark_SWCD



How much salt is too much salt?

Over 15,000 tons of salt were spread on Stark County roads last winter. That equals 41 pounds per mile and is nearly double the state average. All told, Ohio ranks in the top 10 among all states for the amount of salt used during winter.

In addition, road crews sprayed 177,435 gallons of liquid de-icers last year, which equals 236 gallons per mile.

Homeowners often take their cues from road crews and spread way too much salt on their driveways and sidewalks. What is the appropriate amount of salt to cover 250 square feet or 10 sidewalk squares? One heaping coffee cup. That's all.

High salt concentrations reduce water movement in lakes and ponds, which prevents the essential flow of oxygen through the water for fish and other aquatic life. Salty runoff can also negatively impact water consumption for humans when it enters drinking water reservoirs.

So, do your part and be smart. One cup of salt. No more!

We shall never achieve harmony with the land, anymore than we shall achieve absolute justice or liberty for people. In these higher aspirations the important thing is not to achieve but to strive. Aldo Leopold

Help Us Save Money

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

Send an email to 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.