



# CONSERVATION NEWS

Winter 2019

## Board of Supervisors

Natalie Hammer  
Jim Halter  
Rodney Campbell  
Ann Wolfe

## District Staff

John S. Weedon  
Rich Rohn  
Matthew Ferrel  
Jay Jordan

## NRCS Staff

Sandy Chenal

2650 Richville Dr.,  
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 18th)

**Board Meetings:** 2nd  
Wednesday at 8:45  
a.m.

## Farmer's Breakfast

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 7th, at 9:00 a.m. — SOYBEAN VARIETIES

Thursday, March 7th, at 9:00 a. m. — FARM FINANCIAL MANAGEMENT

Thursday, April 4th, at 9:00 a.m. — GRASSED WATERWAYS

## Cover Crop Field Tour

Visit three local producers who have extensive experience with cover crops. Learn what mixes they plant, termination strategies used, challenges overcome, and what keeps them up at night. Meet at the USDA Service Center parking lot to car pool to the fields.

- Friday, April 5, 2019, from 10:00 a.m. to Noon
- USDA Service Center Parking Lot (2650 Richville Dr. SE, Massillon)
- RSVP @ 330.451.7645 by Monday, April 1st
- Limit: 20 people

## Test Your Lawn & Garden Soil

Learn how to test your soil, interpret the results, and develop a management plan for your lawn or garden. At this free workshop, we will test for composition, pH, and essential nutrients and use the findings to calculate nutrient amendments.

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

- Wednesday, April 24, 2019, from 6:00 p.m. to 8:00 p.m.
- Plain Township Diamond Community Room (2782 Diamond St. NE, Canton)
- RSVP @ 330.451.7645 by Friday, April 19th
- Limit: 20 people

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

<b>Native Evergreen Species</b>	Mature Height	Mature Width	Growth Rate	Sunlight	Soil Moisture	Soil pH	Comments/Uses
Eastern White Cedar	20-60'	10-15'	S-M	S	M-W	A	aka American Arborvitae, well adapted
White Pine	60-80'	20-40'	F	S	M	A, N	timber, windbreak, wildlife
<b>Native Deciduous Species</b>	Height	Width	Growth Rate	Sunlight	Soil Moisture	Soil pH	Comments/Uses
American Hazelnut	10' - 16'	8' - 15'	F-M	S, P	M	A, N, B	edible nut, wildlife, tolerant of clay soil
Black Chokeberry	3' - 8'	3' - 8'	S	S, P	M	A	landscaping, flood tolerant, wildlife, autumn color
Black Walnut	50' - 70'	50' - 70'	F	S, P	D, M, W	A, N	nuts, timber, wildlife
Bottlebrush Buckeye	6' - 12'	8' - 15'	F-M	P, SH	M, W	N, B	spring flowers, butterflies, autumn color
Buttonbush	5' - 12'	4' - 15'	M	S	W	N	pollinator, wildlife, spherical white flowers, ornamental, wetland
Chinquapin Oak	40' - 70'	50' - 80'	M-S	S, P	M	B, N	great for bottomlands with rich soil, fuelwood, wildlife
Pawpaw	15' - 30'	15' - 30'	F-M	S, P	M, W	A, N	edible fruit, wildlife
Persimmon	40' - 50'	25' - 30'	M-S	S, P	M, W	N	edible fruits, fall color, specialty lumber
Pin Oak	50' - 70'	40' - 60'	F-M	S, P	M, W	A	russet fall color, great shade tree with dense branches and leaves
Red Buckeye (*6-12")	10' - 30'	10' - 20'	M	P	M	B, N	big red flower clusters, attracts hummingbirds
Red Oak	50' - 60'	50' - 60'	F	S	D, M	N	tolerates dry conditions, timber, landscaping
Red Osier Dogwood	4' - 12'	7' - 10'	F	S, P	M, W	N	wildlife, landscaping, red twigs in winter, wetland edge
Redbud	25' - 30'	26' - 33'	M	S, P	M, W	B	adaptable, edible pink-magenta flowers
Shagbark Hickory	75' - 100'	40' - 70'	M-S	S, P	M	A, N	timber, wildlife, shaggy bark is bat habitat, drought tolerant
Spicebush	6' - 12'	6' - 15'	M-S	P, SH	M, W	A, N, B	understory shrub, wildlife, spicy fragrance
Sugar Maple	60' - 80'	20' - 40'	M-S	S	M	N	maple syrup, landscaping, timber, autumn color
Swamp White Oak	50' - 70'	50' - 70'	M-S	S, P	M	A	adaptable, bottomlands, timber, wildlife
White Flowering Dogwood	20' - 30'	20' - 25'	M-S	S, P	M	A	spring flowers, red/burgandy autumn color
White Oak	50' - 70'	50' - 70'	M-S	S, P	D, M, W	N	timber, wildlife, long-lived, ornamental
Growth Rate: F = fast 12"/year, M = medium 6"-12"/year, S = slow 2"-6"/year					Soil Moisture: D = dry, M = medium, W = wet		
Light Required: S = sun, P = part sun/part shade, SH = shade					Soil pH: A = acidic (6.5 or less), N = normal pH range (6.5 - 7.5), B = basic/alkaline (7.5 or higher)		
For more plant information, visit: <a href="http://forestry.ohiodnr.gov/trees">http://forestry.ohiodnr.gov/trees</a> , <a href="http://plants.usda.gov/java/">http://plants.usda.gov/java/</a> or search the web for a specific plant.							

## Site Selection To Harvest Workshop

Sponsored by Stark SWCD and ODNR-Forestry, this tree planting workshop features experienced foresters teaching land-owners how to properly reforest old fields, pastures, legacy mines, large yards; thin existing plantings; prune trees in plantings; and demonstrate underplanting. Dress for the field and rough weather.

- Cost: \$13.50 per person (lunch provided)
- Friday, March 22, 2019, from 8:30 a.m. to 3:30 p.m.
- Wilderness Center (9877 Alabama Ave. SW, Wilmot)
- RSVP Debbie Casto @ 330.359.5235 by Saturday, March 16th
- Limit: 30 people

### *Health Woods Grow on Good Advice*

With thoughtful planning guided by a professional forester, you and your family can achieve positive results for your woods. Before you harvest timber . . .

CALL BEFORE YOU CUT!

[Callb4ucut.com/ohio](http://Callb4ucut.com/ohio)

1.877.424.8288 or 330.451.7645



# 2019 Tree Sale

PLEASE INDICATE QUANTITY NEXT TO ITEM & CIRCLE PACK OF 5, 25 or 100						
Native Evergreens	Qty.	Sapling 3'-4'	Pack of 5 12"-18"	Pack of 25 6"-9"	Pack of 100 6"-9"	Total
E. White Cedar/Amer. Arborvitae		N/A	\$10.00	\$20.00	\$60.00	
White Pine (*9"-12")		N/A	\$10.00*	\$20.00	\$60.00	
PLEASE INDICATE QUANTITY NEXT TO ITEM & CIRCLE PACK OF 5, 25 or 100						
Native Deciduous Shrubs (<15')	Qty.	Sapling 3'-4'	Pack of 5 12"-18"	Pack of 25 6"-12"	Pack of 100 6"-12"	Total
American Hazelnut		\$10.00	N/A	N/A	N/A	
Black Chokeberry		N/A	\$10.00	\$30.00	\$90.00	
Bottlebrush Buckeye (6"-12")		N/A	\$10.00	N/A	N/A	
Buttonbush		N/A	\$10.00	\$30.00	\$90.00	
Red Osier Dogwood		N/A	\$10.00	\$30.00	\$90.00	
Spicebush		N/A	\$10.00	\$30.00	\$90.00	
Native Deciduous Small Trees (15-25 ft.)	Qty.	Sapling 3'-4'	Pack of 5 12"-18"	Pack of 25 6"-12"	Pack of 100 6"-12"	Total
Pawpaw		N/A	\$10.00	\$30.00	\$90.00	
Redbud		\$10.00	\$10.00	\$30.00	\$90.00	
Red Buckeye (6"-12")		N/A	\$10.00	N/A	N/A	
White Flowering Dogwood		\$10.00	\$10.00	\$30.00	\$90.00	
Native Deciduous 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	
Chinquapin Oak		N/A	\$10.00	\$30.00	\$90.00	
Persimmon		N/A	\$10.00	\$30.00	\$90.00	
Pin Oak		N/A	\$10.00	\$30.00	\$90.00	
Red Oak		N/A	\$10.00	\$30.00	\$90.00	
Shagbark Hickory		N/A	\$10.00	\$30.00	\$90.00	
Sugar Maple		N/A	\$10.00	\$30.00	\$90.00	
Swamp White Oak		N/A	\$10.00	\$30.00	\$90.00	
White Oak		N/A	\$10.00	\$30.00	\$90.00	
Additional Items						
Item	Qty.	Cost				Total
Boundary marking paint (yellow)		\$7.00				
Dibble Bar		\$65.00				
Marking Flag (white)		\$0.10				
Tree Tube and Wood Stake		\$5.00				
Wildflower Seeds		\$4.50				
<b>Questions or Special Orders (&gt;100 of same species) call 330.451.7645</b>						
<b>GRAND TOTAL</b>						

**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](http://www.lickingswcd.com)

**ORDER DEADLINE: March 15th**

**PICK UP: April 15th -19th**

**8:00 a.m. - 4:30 p.m.**

All orders are subject to availability

# 2019 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 5th**

**PICK UP: April 9th**

**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.		
Channel Catfish	4" - 5"		\$0.75 ea.		
Flathead Minnow <i>(Minimum order is 100)</i>	2" - 3"		\$0.08 ea.		
Koi	6" - 8"		\$12 ea.		
Hybrid Blue Gill	2" - 4"		\$0.80 ea.		
Largemouth Bass	2" - 3"		\$0.90 ea.		
Red Shell Cracker	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/Muck Reducer	1 gallon		\$90		
<p><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></p>					
				<b>GRAND TOTAL</b>	

# Fish, Fish, Fish

## 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.

If you are interested in more than "I just want fish in my pond," consider adding 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.

Source: Steve Fender, *Farm Pond Management, Vol. 1*

## 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%

## Pond Management Workshop

Learn how to manage water quality and fish populations in your home pond. Understanding seasonal pond cycles and methods to decrease nutrient runoff can assist landowners improve visual appeal and lessening long term costs. Proper pond management can also decrease noxious odors, minimize unwanted vegetation, and reduce sedimentation.

- Thursday, March 28, 2019, from 6:00 p.m. to 7:30 p.m.
- USDA Service Center Conference Room (2650 Richville Dr. SE, Massillon)
- RSVP @ 330.451.7645 by Monday, March 25th
- Limit: 25 people

### *Ohio Pond Management Handbook*

<http://wildlife.ohiodnr.gov/portals/wildlife/pdfs/species%20and%20habitats/pondproblemsandsolutions.pdf>

### *Pond Problems and Solutions—Fish Kills*

<http://wildlife.ohiodnr.gov/portals/wildlife/pdfs/species%20and%20habitats/pondproblemsandsolutions.pdf>



## *Take Pride in Your Soil*



Organic matter content, texture, pH, water availability, topography, and drainage — these biological, chemical, and physical properties determine soil fertility. Soil structure and texture are easily observable, but only soil testing can determine chemical composition.

A soil test reveals nutrient levels and pH content and is critical to practicing the 4R's of nutrient management. The 4R's are Right Source, Right Rate, Right Time, and Right Place. Without knowing your soils, a farmer is a blind man in a card game. He could easily waste money by over-fertilizing and possibly polluting streams and water waterways with excess nutrient runoff. Or, he could under-fertilize, leaving money in the field. Soil stewardship requires understanding what needs to be done, what shouldn't be done, and knowing the difference.

Be smart and get a soil test. The first step to increasing your farmer IQ? Call Jay Jordan at 330.451.7643 to learn how to get a soil test that fits your needs.

"We abuse land because we regard it as a commodity belonging to us. When we see land as a community to which we belong, we may begin to use it with love and respect." Aldo Leopold, Foreword, *A Sand County Almanac*

### *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.