

# Conservation News

VOLUME 23 No. 1 WINTER 2018

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18000 St. Rt. 4 North Suite B Marysville, OH 43040 **937-642-5871 x 3** 

www.co.union. oh.us/Union-Soil-Water-Conservation-District/

# Union SWCD will hold Annual Tree Sale in April

We are offering a few new varieties of trees and shrubs at this year's annual sale along with some of our traditional offerings.

Evergreens will be sold in packets of 25 for \$25/pkt and Hardwood and Shrub packets of 5 for \$10/pkt. We have ordered larger trees again this year.

Evergreen Species include: White Pine, Colorado Blue Spruce, White Spruce and Arborvitae.

Hardwood and Shrub species include: Sugar Maple, Swamp White Oak, Ohio Buckeye, American Plum, Paper Birch, White Flowering Dogwood, Highbush Cranberry, Shadblow Serviceberry and Butterfly Bush.

The sale will be held on April 14, 2018 from
9 AM until Noon
Trees are available on a first come first serve basis.
Cash and checks are accepted,
but please wait until time of purchase to write out any checks.

The following pages detail the various species available at the tree sale, as well as preferred planting conditions for each.

Included in this newsletter is an order form to be used on the day of the sale.

Would you like to receive *Conservation News* by email on a quarterly basis? Email brent.nickel@oh.nacdnet.net to be included on our list.

#### **2018 UNION SWCD TREE AND SHRUB SALE**

The main sale date for 2018 will be Saturday, April 14 at the Union County Agricultural Center's Ditch Maintenance Building located at the rear parking lot at 18000 State Route 4 North, Marysville, Ohio.

The sale will be held from 9:00 a.m. to 12:00 a.m.

Any remaining seedlings will be sold the following week, Monday-Friday, 8:00 a.m.-4:30 p.m., in the Union SWCD office located in Suite B of the same building.

All stock is sold on a first come, first served basis.

No orders may be placed prior to the sale. All stock are seedlings only. Please make selections below, and bring completed form with you on the day of the sale. Orders will be totaled at the sale, after ensuring that all species desired are still available.

No credit cards will be accepted for payment.

# Packets	EVE.	RGREENS (25 trees per packet)	TOTAL
	\$25/pkt.	White Pine, 12-18" (2-2)	
	\$25/pkt.	Colorado Blue Spruce, 12-18" (2-2, P+2)	
	\$25/pkt.	White Spruce, 14 -20" (2-2)	
	\$25/pkt.	Arborvitae, 12-18" (2-2)	
	HAR	<u>DWOOD and SHRUB PACKETS</u> (5 trees per	· packet)
	\$10.00/pkt.	Sugar Maple, 12-18"	
	\$10.00/pkt.	Swamp White Oak, 12-18"	
	\$10.00/pkt.	Ohio Buckeye, 12-18"	
	\$10.00/pkt.	American Plum (Wild), 18-24"	
	\$10.00/pkt.	Paper Birch, 12-18"	
	\$10.00/pkt.	White Flowering Dogwood, 12-18"	
	\$10.00/pkt.	Highbush Cranberry, 12-18"	
	\$10.00/pkt.	Shadblow Serviceberry, 12-18"	
	\$10.00/pkt.	Butterfly Bush, 18-24"	
	ACC	<u>ESSORIES</u>	
	\$10/bundle	Marking Flags (100 in bundle)	
		TOTAL:	
	Please include e	mail address if you would like to be included in	our newsletter mailing list
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#### 2018 Union SWCD Tree Sale - Brief Descriptions of Species

(CW stands-for Coefficient of Wetness. Typically 0 to +5 are drier site suitable; and 0 to -5 are wetter site suitable.)

#### 1. White Pine – Pinus strobus

According to many the Eastern White Pine is a NE Ohio native. This beautiful pine is majestic in appearance and may reach a mature height of 80'+ with a 40' pyramidal spread. Its soft blue-green needles add beauty to the landscape. It is a fairly fast grower and loves full sun, but will tolerate partial shade. It prefers moist, but very well drained soils. CW: 3

#### 2. Colorado Blue Spruce – Picea pungens

This non-native spruce, to 50' high and 16' wide, is a conical evergreen conifer with densely growing horizontal branches. It has scaly grey bark on the trunk with yellowish-brown branches. They are often grown as ornamental trees in gardens and parks and also grown for the Christmas tree industry It grows at a slow to medium rate, adapts well to many soils - growing in acidic, loamy, moist, rich, sandy, well-drained and clay soils. It requires normal moisture with moderate tolerance to flooding and drought. CW: 0

#### 3. White Spruce – Picea glauca

This non-native spruce, to 60' high and 20' wide, is more tolerant of heavier clay soils and wetness than the Norway spruce. It is slower growing than Norway spruce and has a symmetrical shape with blue-green needles. **The primary benefit locally** *is that it will better tolerate the acidic heavy clays.* It will not survive extended seasonal wetness. CW: 3

#### Arborvitae – Thuja occidentalis var.

This native evergreen is a hard-working, versatile specimen. The narrow, pyramid shape makes it a natural choice for windbreaks. It requires almost no care when used as a hedge or screen. Full sun is the ideal condition for this tree and it grows well in acidic, loamy, moist, rich, sandy, silty loam, well-drained, wet and clay soils.

#### 5. Sugar Maple – Acer saccharum

Another Union County native, Sugar Maple can be expected to grow across Union County – except in areas of extended seasonal wetness. This maple is the most efficient at producing maple syrup. Growth habit includes a broad canopy and beautiful fall color. It prefers plenty of space and sunlight. Will tolerate shade with subsequent slower growth, CW: 3

#### 6. Swamp White Oak, or "Bicolor Oak" – Quercus bicolor

If Union County had an official tree, this would be an excellent candidate. While it is tolerant of extended seasonal wetness, this white oak family tree is just as much "at home" on higher and drier sites. It is used as a tree lawn tree where space is afforded, but grows anywhere adequate space will permit (Mature height 60', with a 50-60' wide crown). Swamp white oak has recently been referred to as "Bicolored Oak" in the landscape industry - taking from its scientific second name of *bicolor*. This reference is to the summer's glossy green leaves that are silvery white on the backside. CW: -4

#### 7. Ohio Buckeye – Aesculus glabra

Our state tree, this native can be expected to thrive in moist, but well drained areas – such as floodplains. Here it obtains it optimum size, health, and vigor. Fall color can be brilliant and often occurs earlier than other deciduous trees. CW: -1

#### 8. American Plum – Prunus americana

This is a "wild plum" and it is native to Ohio. Expect it to reach an ultimate height of 20' – with a mature spread of 25', on **ideal sites**. It tolerates many soil types and conditions. It reverts to thicket formations if not attended-to as a landscape specimen. Prefers full sun.

#### 9. Paper Birch – Betula papyrifera

The **Paper** Birch tree is considered to be one of the most attractive tree species in North America. Its' handsome summer and fall foliage, graceful form and showy white bark keep this **Birch** species in demand for landscaping applications. **Paper Birch** was once used by northern Native Americans to build canoes and is also known as '**Canoe Birch**'. It should not be pruned during late winter through spring due to the copious bleeding that occurs from sap rising during that time of the year. Union County would be considered to be at the southernmost range of its area of growth.

#### 10. White Flowering Dogwood - Cornus florida

Flowering dogwood is a small deciduous tree growing to 30' high and is often wider than it is tall when mature, with a trunk diameter of up to 1'. Flowering dogwood does best in moist, acidic soil in a site with some afternoon shade, but good morning sun. The fruit is a cluster of two to ten drupes, which ripen in the late summer and the early fall to a bright red, or occasionally yellow with a rosy blush. They are an important food source for dozens of species of birds. The leaves turn a rich red-brown in fall. CW: 3

#### 11. Highbush Cranberry - Viburnum trilobum

Native to moist woods, lake margins, thickets and moist low places, Highbush Cranberry is easily grown in average, moist, well-drained soils in full sun to part shade. It prefers consistent moisture, but tolerates a wide range of soils. The fruit is excellent for jams jellies and syrups, but very tart uncooked. Highbush Cranberry is a larval host plant for the Spring Azure butterfly. To keep it from getting larger than desired an annual pruning each year just after flowering will maintain the present size. The arching stems and a dense, rounded form make it a popular landscaping choice for use as a screening hedge. For a solid screen, plants should be spaced 2 – 3 feet apart CW:-5

#### 12. Shadblow Serviceberry – Amelanchier arborea

This adaptable deciduous shrub is also known as "Shadbush", "Juneberry", and "Shadblow". It is a tall shrub/small tree (to 20') with a rounded crown, showy star-shaped white spring flowers, and often orange-red-yellow fall colors. It produces a sweet early summer berry that is beloved by songbirds. It is a great plant to naturalize an odd area, or as a landscape specimen planting.

#### 13. Butterfly Bush – Buddleia spp.

True to its name, one can expect to attract countless butterflies to this 6-12' deciduous shrub. "Butterfly bushes perform best in moist, well-drained soils in partial to full sun. Avoid wet, poorly drained sites. Also, select sites that provide winter protection. Butterfly bushes planted in open, exposed sites are more likely to be destroyed by harsh, winter weather.

2018 Union SWCD - Tree Sale Species at a Glance

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Please refer to 2018 Union SWCD Tree Sale - Brief Descriptions of Species on page 1 for more species-specific details

Note				Coefficient									
White Pine Spruce         Prices Purgens         3         (Ne AD-60/FG) Abovites         (Ne Dort) Abovites         Fast Abovites         No         40-60/AD-20-40 Abovites         Slow to Medium         Fast Abovites         No         40-60/AD-20-40 Abedium         Slow to Medium         No         40-60/AD-20-40 Abedium         No         Abedium         No         Progression Confidence Abedium         No         No         Abedium         No         No         No         Abedium         No		Tree Species	Scientific Name	of Wetness Scale (0 to +5: Drier) (0 to -5: Wetter Sites)	Ohio Native	Size @ Maturity on Ideal Sites: Mature Height & Spread	Rate of Growth on Ideal Sites: F:>2 Feet / Yr. M: 1-2 Feet / Yr. S: <1 Feet / Yr.	Tolerates Extended Seasonal Wetness	Moist - Well Drained Sites	Well Drained Sites	Urban Tolerance	Fall Leaf Color	Sunlig Prefere
Colorado Blue         Piceu puecess         3         No         40·60/750         Slow to Medium         Ceregor         Evergreen Conference Sprace         Evergreen Conference Sprace         Evergreen Conference Sprace         Evergreen Conference Sprace         Evergreen Conference Conference Sprace         Arborvitae         Arborv	-	White Pine	Pinus strobus	3	Yes (NE OH?)	50' - 80' (>100')	Fast		>	>	>	Evergreen Conifer	Full Sun Light Sha
White Spruce         Pieca Bienex         3         No         40°-60° / 20°         Medium         *         *         *         Evergreen Conference           Arbovitae         Zeacharum         3         No         10-15 (2°)         Medium         *         *         *         Evergreen Conference           Sugar Maple         Arecrafturins         3         Yes         60°-70° (120°)         In Medium         *         *         *         Evergreen Conference           Swamp White         Quercus         4         Yes         50°-60°         In Medium         *         *         *         *         Pergreen Conference           Ohio Buckey         Acculus         -1         Yes         20°-40°(80°)         Medium         *         *         *         Yellow to Bronze           Ohio Buckey         Acculus         -1         Yes         10.20°         Medium         *         *         *         Yellow to Bronze           American Plum         Prunus         5         Yes         Yes         Yes         Yellow         *         *         *         Yellow Control           White Flower         Connus florida         Yes         Yes         Yes         Yellow Spread         Yellow S	2	Colorado Blue Spruce	Picea pungens	3	N <sub>O</sub>	40' - 60' (>75')	Slow to Medium		>	>	>	Evergreen Conifer	Full Sun Light Sha
Arboritae         Thuja arkaranis var.         3         No         10-15 (>20')         Medium         *         *         *         Evergreen Confier           Sugar Maple         Accridentalis var.         3         Yes         60'-70'(120')         Slow         *         *         *         Evergreen Confier           Sugar Maple         Accridius         4         Yes         60'-70'(120')         Slow         *         *         *         Yellow to Dammin Change           Suman Wampical Dak         Acculus         4         Yes         20'-40'(80')         Medium         *         *         *         Yellow to Burnty Change           American Plum         Prunus         Prunus         Yes         50'-70'         Medium         *         *         *         Yellow to Change           Paper Birch         Beutla pa- pyrigera         Yes         50'-70'         Medium to Fast         *         *         *         Yellow to Change           Wild Bookwood         Trilohum         Yes         Yes         510'-70'         Medium to Fast         *         *         *         Yellow to Change           Serviceberry         Ambellow         Ambellow         Yellow to Change         Yellow         *         *	3	White Spruce	Picea glauca	3	No	40' - 60'	Medium		>	>	•	Evergreen Conifer	Full Sun to Light Shade
Swamp White Sugart Maple         Acerculus Succharum         3         Yes         60° - 70° (120) bio Medium         Slow bicclor         Yellwu to Bronze Burnt Orange Sindra         Yellwu to Medium         Yellwu to Bronze Burnt Orange Sindra         Yellwu to Bronze Burnt Orange Sindra Burnt Orange Sindra Si	4	Arborvitae	Thuja occidentalis var.	3	No	10'-15' (>20') 5'-8'	Medium		>	>	•	Evergreen Conifer	Full Sun
Swamp White Looks         Quercus bicolor         4         Yes         50 - 60° slow and the follow and the follow and the follows	2	Sugar Maple	Acer saccharum	3	Yes	<b>60' - 70'</b> (120')	Slow to Medium		>	>	>	Brilliant Yellow to Burnt Orange	Full Sun. Tolerates Shade
Ohio Buckeye         Aesculus glabra         -1         Yes         Similar Spread         Medium         Medium         Yes         Similar Spread         Medium         Yes         Yes         For to 25°         Medium to Fast         Yes         Sov. 70°         Medium to Fast         Yes         Yes         Sov. 70°         Medium to Fast         Yes         Yes         Similar Spread         Yes         Similar Spread         Yes	9	Swamp White Oak	Quercus bicolor	-4	Yes	<b>50' - 60'</b> = Equal Spread	Slow to <b>M</b> edium	>	>	>	>	Yellow to Bronze	Full Sun to Light Shade
American Plum americana Paper Birch Ing Dogwood ServiceberryPrunus Benula par- Dyvifera Cranberry5Yes (N Ohio) Similar Spread Ing Dogwood50· - 70° (N Ohio) Similar Spread Ing DogwoodMedium to Fast Cranberry Similar Spread Amedianchier ServiceberryYesYes Ing Dogwood Similar Spread Ing Dogwood Similar Spread Ing Dogwood ServiceberryYesYes Ing Dogwood Similar Spread Ing Dogwood Ing Dog	7	Ohio Buckeye	Aesculus glabra	-1	Yes	<b>20' - 40' (80')</b> Similar Spread	Medium		>	>	>	Yellow to Orange- Red (often turns early)	Full Sun to Light Shade
Paper Birch pyriferaBetulta pa- pyriferaYes (N Ohio)50· 70° 35°Medium to FastYes50· 70° 35°Medium to FastYesFast 15°YesYesNedium to Fast 15°YesYesYesNedium to Fast 15°Yes <t< td=""><th>80</th><th>American Plum</th><td>Prunus americana</td><td>5</td><td>Yes</td><td>To 20'</td><td>Medium</td><td></td><td>&gt;</td><td>&gt;</td><td>*</td><td>Varies: Green Yellow, Or- ange, Red</td><td>Thrives in Full Sun</td></t<>	80	American Plum	Prunus americana	5	Yes	To 20'	Medium		>	>	*	Varies: Green Yellow, Or- ange, Red	Thrives in Full Sun
White Flower- ing Dogwood ing DogwoodCornus florida Tiburnum Tilobum4Yes15' Similar Spread To 25'Fast To 25'Fast**Red. Red-Yellow, Purplish Red To ServiceberryShadblow Serviceberry ServiceberryAmelanchier arboreaYesTo 25' 	6	Paper Birch	Betula pa- pyrifera		Yes (N Ohio)	<b>50' - 70'</b> ~ 35'	Medium to Fast		>	>	>	Bright Yellow	Full Sun to P Shade
Highbush Cranberry Shadblow ServiceberryViburnum trilobum arborea-5YesFast To 25' 15'Medium HediumYesTo 25' 15'Medium FastYesYellows Orange- Red RedSutterfly Bush 	10	White Flower- ing Dogwood	Cornus florida	3	Yes	15'	Slow		>	>	>	Red, Red-Yellow, Red-Purple	Full Sun to F Shade
Shadblow Serviceberry Butterfly BushAmelanchier arboreaYes 15'To 25' 15'Medium FastYellows Orange- Red 	7	Highbush Cranberry	Viburnum trilobum	ç,	Yes	8'-15' Similar Spread	Fast	>	>	>	>	Purplish Red	Full to Partial Sun
Butterfly BushBuddleia davidiiNo $6 \cdot 12'$ Fast $\checkmark$ $\checkmark$ $\checkmark$ Non $= Equal +$ $= Equal +$	12	Shadblow Serviceberry	Amelanchier arborea		Yes	To 25' 15'	Medium		>	>	*	Yellows Orange- Red	Full Sun to Part Shade
	13	Butterfly Bush	Buddleia davidii		No	<b>6</b> '- 12' = Equal +	Fast		>	>	>	Non Descript	Full Sun to Light Shade

#### Wild About Wildlife

Brent Nickel, Union SWCD Wildlife Specialist. brent.nickel@oh.nacdnet.net

# Winter Wildlife, Habitat, Interests and Concerns

#### Christmas Trees for Wildlife

Placing a wildlife brush shelter on your property can add an interesting and important element to your backyard habitat, attracting a wide variety of wildlife that may have been missing. Providing dense, heavy and secure shelter close to the ground can attract many animals that may not feel comfortable otherwise. An old Christmas tree can make a great base. This is the easiest thing you can do with your tree if you have a yard. It directly benefits the wildlife in your backyard during winter months because brush piles and dead trees offer food and needed protection from the chill.



# Wildlife Brush Piles .....Cottontail Condos

Winter is a great time to construct heavy-duty brush piles. No, not small piles of limbs. Begin by placing large

diameter pieces (Six inch +.), at the base. Arrange the base to have four compartments by placing logs across

the middle of each side. As each row goes up, move the logs "in" one width, so that a pyramid shape begins to form. At about four feet high, place leftover limbs and other cuttings on top



as a roof. Add to the top of the pile as necessary.

#### Muskrat Problems?....Now is the Time!

A timely reminder for anyone experiencing chronic damage from muskrats. Now is the time to recruit trappers to reduce the potentially explosive muskrat population. In Union County, the regulated muskrat trapping season is from

November 10, 2017 through February 28, 2018.

I have a list of willing trappers available in my office if you need assistance finding someone to help.

# Wildlife Conflict Management ...Forget Control!

Experiencing wildlife conflicts? Try the solutions associated with this wildlife conflict resolution website!

The Internet Center for Wildlife Damage Management:

http://www.icwdm.org/

#### What's In-Season

Always Refer to the Current Year's Regulations.

See what is currently **'In-Season'** at this website: <a href="http://wildlife.ohiodnr.gov/huntingandtrappingregulations">http://wildlife.ohiodnr.gov/huntingandtrappingregulations</a>

#### Fishing Regulations:

http://wildlife.ohiodnr.gov/fishingregulations

"Hunting With Permission" forms and Hunting Regulations and Fishing Regulations are available at our office.

#### Recommendations to PONDer!

Remember this most basic of all pond truths...
every living thing and every dying thing in every pond is
using up precious dissolved oxygen 24 hours a day
throughout the entire year—even winter!
Should extended snow cover blanket thick ice, safely
attempt to create "alleys" to allow sunlight to
penetrate the ice windows. Several swipes with a snow
shovel or snow blower will help.
Yes, plants still photosynthesize in winter.

#### Outdoor Education Stations!

Outdoor Education Stations are available for loan or I'd be happy to come along to do some instruction. I am a certified Hunter Education, Passport to Fishing, and National Archery in Schools instructor and would be happy to share these great education stations with your group of youth. Stations include Fishing, Archery, Air Rifles, and Sling Shots.

Contact Brent Nickel at 937-642-5871 ext. 2220 to schedule these Education Stations or to have your very own Outdoor Education Event!

# Ohio Division of Wildlife ONLINE Resources!

Learn more at the Ohio Division of Wildlife Webpage for Attracting Wildlife.

I have nest box plans available in my office or you can get them online Here.

Want to learn more about what the Division of Wildlife has to offer through educational videos?

Check out their Vimeo site!

Would you like to give your opinion on Wildlife Access and Opportunities?

Take a Survey!

Or you can Start at the Beginning and explore the whole <u>Division of Wildlife Webpage</u>!

Injured—or what appears to be Helpless Wildlife?

Call or contact the **Ohio Wildlife Center** – 614-793-WILD (9453) – then follow their every instruction! http://www.ohiowildlifecenter.org/dnn/

# OHIO FARMERS REMINDED OF WINTER MANURE APPLICATION BEST MANAGEMENT PRACTICES

REYNOLDSBURG, Ohio (Dec. 11, 2017) – With the winter season upon us, the Ohio Department of Agriculture Division of Soil and Water Conservation would like to remind producers and nutrient applicators of laws and restrictions on manure application. Signed into law by Governor John R. Kasich in July 2015, Ohio Senate Bill 1 clarifies and enhances the restrictions on manure application within the Western Lake Erie Basin (WLEB).

#### Application restrictions in the WLEB include:

- On snow-covered or frozen soil;
- When the top 2 inches of the soil are saturated from precipitation;
- When the local weather forecast for the application area contains greater than fifty percent chance of precipitation exceeding one-half inch in a 24-hour period.
  - \*Applicators are responsible for checking and keeping forecast information before application. Any source of weather prediction is acceptable.

#### Restrictions do not apply if:

- The manure is injected into the ground;
- Manure is incorporated with 24 hours of surface application, using a tillage tool operated at a minimum of 3-4 inches deep;
- The manure is applied onto a growing crop;
- The chief of the Division of Soil and Water Conservation has provided written consent for an emergency application. Contact the division in case of an emergency.

Producers in the Grand Lake St. Marys watershed are also reminded of the manure application ban that starts on December 15th. Producers and manure applicators shall not apply manure between December 15th and March 1st. Producers are also banned from surface applying manure on frozen ground or ground covered with more than 1" of snow outside of the December 15th and March 1st dates.

Producers in other areas of the state are reminded to use best management practices when applying manure and follow USDA NRCS Field Office Technical Guide Standard 590.

For more information about manure application, producers and applicators can contact the ODA Division of Soil and Water Conservation at 614-265-6610 or dswc@agri.ohio.gov.

## Winter Conservation Tips and Tricks

Snow falling from the sky is every kid's dream, but is an often-overlooked reality when it comes to snowmelt and the impacts it has on water resources. Pollution and sediment entering into storm sewers, creeks, and streams can be quite the headache down the road, so here are a few tips for you to consider this winter:

- Remove the snow before it turns to ice! This limits how much deicing materials you need to use.
- Consider using deicing materials other than rock salt, which can harm plant growth, aquatic habitats, and drinking water. Sand, sawdust, and even cracked corn are a few examples of good alternatives to using salt. You may even hear of people using beet juice!
- When shoveling snow from impervious surfaces, shovel it onto landscaped and grassy areas. As the snow
  melts, it will soak into the ground instead of directly into a storm water drain or a body of water. The soil
  acts as a natural filter and will help clean the water as it travels.
- Besides your porch steps, sidewalks, and driveways, also clear snow and ice from storm water drains! Obstructed or clogged storm water drains cause water to pool and flood, which can cause another long list of problems.
- Sweeping up sediment and residues after the snow melts keeps it from getting into the storm sewers and streams.
- Clean up pet waste! This should be done all year 'round, but the frigid temperatures cause the waste to decompose much slower, which means that it will remain stinky and an eyesore for much longer. Then, as the temperature warms, it will mix with the snowmelt and find its way into the storm drains and other bodies of water.

### **Drainage Maintenance Quarterly Report**

Drainage Maintenance has been very busy the last couple months with a lot of maintenance projects throughout the county. Dipping out ditches is a vital activity for the drainage maintenance program. We were able to dip out six ditches this year and plan to continue doing this in the future. Center dipping is important for the ditches, as it allows us to straighten the flow lines, remove sand bars and increase the ditches capacity to hold water. County crews have been center dipping ditches on the following county maintenance ditches: Blues Creek, Blues Joint, Bown, Beach, Ottawa, Rinehart, Rapid Run. Dip outs of the main channel and flow line improvements have been the focus for this year. Ditch maintenance projects will continue into the spring months as the weather allows. What about those spoil piles? If you have seen large piles of dirt from the dipping out of ditches along the ditch banks on your property, we will be out in the spring to level them and reseed the grass berm filter strip in these affected areas. We leave these piles to let them dry out over the winter and will return when the weather allows us to reach them in the spring.

#### OHIO STATE UNIVERSITY EXTENSION



# Conservation Tillage Club

2018 Breakfast Meeting Series

Plaza Inn Restaurant, 491 S. Main, Mt. Victory, Ohio 43340

January 9 – CAUV Property Tax Changes – Mike Bacon, Hardin County Auditor, Andrea Weaver, Union County Auditor and Panel

January 23 - Worldwide Grain Markets 10 Year Forecast & Farmers' Grain Marketing Toolkit – Ben Brown, OSU Farm Management Program

February 6 - Climate & Weather - Dr. Aaron Wilson, OSU Byrd Polar & Climate Research Center

February 20 – Soybean Populations – Dr. Elizabeth Hawkins, OSU Extension Field Specialist, Agronomic Systems



#### THE OHIO STATE UNIVERSITY

COLLEGE OF FOOD, AGRICULTURAL, AND ENVIRONMENTAL SCIENCES

Tuesday

Jan. 9, 23 Feb. 6, 20

7:30 am - 9:30 am

CCA Credits Offered

Mark Badertscher

419-674-2297

badertscher.4@osu.edu

hardin.osu.edu

CFAES provides research and related educational programs to clientele on a nondisorminatory basis. For more information: http://go.osu.edu/cfaes.diversity.

## **SWCD Equipment for Sale and Rent**

#### The following items are available for sale:

Marking flags
 \$10 per 100 flags, available year round

Soil Survey Narratives \$15 each or free online, available year round

Topographic Quadrangles \$6 each, available year round

Pond Warning Signs \$7 each, available year round

Soil Survey Aerial Maps Free

Fish Fingerlings Prices vary, sale held in Fall

Tree Seedlings Prices vary, sale held in April







# The following equipment is available for rent: (subject to schedule and availability)

•	John Deere 1590 No-Till Drill (15-foot)	\$12/ acre w/ \$125 minimum charge
•	Tree Puller	\$100 per day
		\$150 per weekend \$300 per week
•	Straw Blower (tailgate mulcher)	\$75 per day
	- \$150 deposit	\$100 per weekend
•	Tree Planter	\$40 per day

All equipment must be scheduled through the Union SWCD office at 937-642-5871 during regular business hours.

Please contact Brent Nickel at ext. 2220 to schedule.

#### **Upcoming Events:**

January 1, 2018 - New Years Day HOLIDAY - Office Closed

January 11, 2018 - Union SWCD Board Meeting - 6:00 PM

Ag Center - Conservation Mtg. Room

January 15, 2018 - Martin Luther King Jr. Day HOLIDAY - Office Closed

February 8, 2018 - Union SWCD Board Meeting - 6:00 PM Ag Center - Conservation Mtg. Room

February 19, 2017 - Presidents' Day HOLIDAY - Office Closed

March 8, 2018 - Union SWCD Board Meeting - 6:00 PM
Ag Center - Conservation Mtg. Room

April 12, 2018 - Union SWCD Board Meeting - 6:00 PM
Ag Center - Conservation Mtg. Room

April 14, 2018 - Union SWCD Tree Seedling Sale - 9:00-Noon Ag Center - Ditch Maintenance Building

Would you like to receive *Conservation News* by email on a quarterly basis? Email brent.nickel@oh.nacdnet.net to be included on our list.

The Union Soil and Water Conservation District and the United States Department of Agriculture (USDA) prohibit discrimination in their programs on the basis of race, color, national origin, sex, religion, age, disability, political beliefs and marital or familial status.

Mailing Address Goes Here

STANDARD RATE U.S. Postage Paid Permit #3 Marysville, OH 43040

18000 State Route 4 North, Suite B Marysville, Ohio 43040 (937) 642-5871 option 3 www.co.union.oh.us/Soil-Water-Conservation-District/

Union Soil & Water Conservation District

