



# Carroll SWCD

Carroll Soil & Water Conservation District

Winter 2023

## 2023 Tree and Fish Sale Issue!

### Watch for the Asian Longhorned Beetle

Is there a new threat lurking in your woodlot? The Asian Longhorned Beetle (ALB) is one of the latest invasive species to invade our North American forests. This species is native to the forests of China and Korea. It is thought to have been accidentally transported to North America in wooden packing material such as pallets, crates or dunnage. It was first detected in New York City in 1996. Since that time, it has also been found in New York, New Jersey, Illinois, Massachusetts, Ohio and also in Ontario, Canada.



Asian longhorned beetle. Photo credit: Joe Boggs, The Ohio State University.

#### Multiple Tree Species Affected

The Asian Longhorned Beetle has a wide range of suitable host trees including multiple species from 12 genera including maples, horse chestnuts, buckeyes, elms, willows, birches, sycamore, poplars, mimosa, katsura, golden raintree and mountain ash. This broad range of host trees makes the ALB a significant threat to our North American woodlands. It is important to locate and contain infestations to prevent the migration of the beetle and the damage to our ecosystems.

#### Methods of Control

The ALB has been successfully eradicated in Illinois, New Jersey and parts of New York. Control methods include quarantines of infested areas, removing infested and high risk trees in the area, and applying chemical treatments. Early detection of this pest is critical in preventing its migration into new areas, so it is important to know the signs of an ALB infestation.

#### Signs and Symptoms of Infestation

One of the primary symptoms of an ALB infestation are exit holes in the bark that range in size from 1/4 to 1/2 of an inch in diameter. One of the tests for the presence of ALB is called the pencil test. The ability to insert a pencil deep into the exit hole is a strong indication of the presence of Asian Longhorned beetle larvae. Other signs of infestation are oviposition pits. These are formed by female beetles chewing pits into the bark to lay their eggs. In addition to the pits, the females also often leave behind sawdust from the process of creating them. If you find any of these signs of ALB infestation, please contact the ODA at 614-728-6201.



Emergence hole created by adult beetles. Photo credit: Joe Boggs, The Ohio State University.

Info from OSU Fact Sheet ENT-75 <https://ohioline.osu.edu/factsheet/ent-75>

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#### 2023 Supervisors

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Samantha Martin  
John McKarns  
Amy Miller  
Byron Shankel

#### Staff

Laura Frase  
*Educational Specialist/  
Administrative Assistant*

Joe Mayle  
*Agricultural Technician*

Jason Reynolds  
*Wildlife/Forestry Technician*

Amanda Tubaugh  
*District Administrator*

#### NRCS

Kevin Swope  
*Resource Conservationist*



## Fruit & Berries

**Blueberries, 'Patriot'** - This variety is the largest early-season blueberry, producing quarter size berries that are great eaten fresh, baked and in preserves. **'Bluecrop'** - This midseason variety has medium size fruits with high sugar content and a heavy yield. Height: 5' - 6'. **'Elliott'** - This self-pollinating, late season variety produces firm 1/2 inch berries perfect for fresh eating or cooking.

**Yellow Raspberry, 'Fall Gold'** - These raspberry plants are ever-bearing, producing two crops of golden-colored medium to large conical berries each year, that are extremely sweet. This upright, self-fruitful, thorny shrub prefers rich, moist, well-drained, slightly acidic soils.

**Pawpaw, *Asimina triloba*** - This native shrub is easily recognized by its large, tropical-looking foliage, and prized for its delicious banana-like fruits that mature in late summer. It can reach 8-20 feet tall and up to 15 feet wide. They grow best in slightly acid (pH 5.5-7.0), deep, fertile, and well-drained soils. They will grow in heavy soils but will not survive water-logged conditions.

**Persimmon, *Diospyros virginiana*** - A native tree reaching 25-40' high, with white fragrant flowers that are sweet and a favorite of honeybees. An edible persimmon fruit ripens with a deep orange color after several frosts and is an excellent winter food source for wildlife.

**Apple Trees, 'Honeycrisp'** - This semi-dwarf apple is red in color, has a juicy, crisp texture, making it perfect for fresh eating. This cold hardy apple ripens in early September. Pollinator required. **'Grimes Golden'** - This semi-dwarf apple has bright yellow skin and a sweet flavor with a hint of spice. This cold hardy apple is great for baking, cooking, canning, and eating fresh. It ripens in September and makes a great pollinator for other apple varieties. Self-pollinating.

**American Elderberry, *Sambucus canadensis*** - This is a vigorous, fast-growing native shrub, growing 6-8 feet high & wide. It has fragrant white flowers that provides value to any landscape. Its bluish-black berries can be used for making jelly, preserves, pies and wine. The berries are also a great food source for wildlife. Perfect shrub for wet sites, but elderberry is adaptable to many soil types. It requires full sun for fruiting.

## Evergreens

**Norway Spruce, *Picea abies*** - This fast growing spruce can reach 80 feet in height and is valuable as a windbreak and wildlife shelter. It prefers moist but well-drained, acidic soils that may be organic, sandy, or loamy. Its only requirement is to not be sited in wet soils, where it will quickly die. It grows in full to partial sun.

**Eastern White Pine, *Pinus strobus*** - One of the fastest growing evergreens, adaptable to many conditions. It has long, soft needles and grows 75-100', and is good for windbreaks or dense screens. White pines are well suited to poor soils and drier sites, but grow best on sandy or loamy, well drained, acidic soils.

**American Arborvitae, *Thuja occidentalis*** - Also known as White Cedar, it can grow to 40 feet tall with a 10-15 foot spread. This tree has a pyramidal shape & makes an elegant hedge or wind break. Arborvitae prefers full sun, and needs a well-drained site, but will adapt to a variety of soil types. Arborvitae provide cover for wildlife.

## Deciduous

**Red Oak, *Quercus rubra*** - This long lived and fast growing tree can reach heights of 70 feet. It generally does well in drier upland soils. It is an important timber species as well as an important source of food for wildlife.

**Sugar Maple, *Acer saccharum*** - Reaching heights of 70 feet, this fast growing tree, prefers well drained soil and tolerates shady conditions. It is prized for syrup and timber production. Its leaves have brilliant tones of yellow, orange and red in the fall.

**White Oak, *Quercus alba*** - This tree can reach a mature height of 80 feet. It is a broad, dense-headed tree with purple-red fall color. It is an excellent tree for wildlife, as it produces a good crop of acorns. It is also one of the most important hardwood timber trees in Ohio.

**Bur Oak, *Quercus macrocarpa*** - Growing to a height of 75 feet, this tree is found across Ohio in both continuously moist as well as very dry sites. It has fiddle-shaped leathery leaves, huge fringed acorns, thick and sometimes corky twigs, and deeply ridged bark. Acorns are sometimes 1 inch or more and are a major food source for deer and other wildlife. The wood is heavy, hard, strong, and durable.

**Black Walnut, *Juglans nigra*** - Growing to over 70 feet, it is one of the most highly valued hardwoods for timber. Black Walnut produces large, rich, flavorful nuts. It prefers deep, moist, rich, well drained soils, but will tolerate a wide range of soils. For nut production, space 30 feet apart to develop a full, well-branched top. It should start producing nuts in 8-10 years. For timber use, space 8-10 feet apart.





**Chinese Chestnut**, *Castanea mollissima* – Planted today to produce chestnuts, which serve as a replacement for those of the American Chestnut. Does well in open areas including strip-mined ground. Chestnuts need full sun for nut production. The hard mast provides an excellent source of food for wildlife.

### Flowering/Fruiting Shrubs & Small Trees

**Buttonbush**, *Cephalanthus occidentalis* - This native wetland shrub reaches a height of 5-10 feet. It has fragrant, creamy white flowers in summer that look like powder puffs. The long leaves are bright, glossy green. This shrub thrives in wet, swampy, low lying areas and around bogs and ponds.

**American Crabapple**, *Malus coronaria* – This native tree has fragrant white to white-pink blossoms and fruit that turns greenish-yellow when mature. While the fruits are bitter, they do make excellent jelly or jam due to their high pectin and acid content. It is adaptable to a wide range of soil types, but prefers moist, well drained soils where it can reach heights of 25 feet tall. It's also a great tree for wildlife!

**Eastern Redbud**, *Cercis canadensis* – This beautiful tree reaches 20-30 feet and has dark green heart shaped leaves. The flowers are reddish purple in bud and open to a rosy pink with purplish tinge in early spring. It prefers deep, moist, organic, well-drained soils.

**White Flowering Dogwood**, *Cornus florida* – Growing to a height of 20-40 feet, the white dogwood has dense foliage that turns bright scarlet in fall. Clusters of large white flowers bloom in May. Bright red berries in the fall are great food for birds. The white dogwood is considered by many to be the most ornamental of our native trees. This dogwood performs best in evenly moist, well-drained, acidic soils in partial sun.

**American Plum**, *Prunus americana* - Also known as wild plum, this native tree has white, fragrant sweet-smelling blossoms in early spring before the foliage breaks bud. When fully ripe, its fruits are sweet and make excellent jelly or jam due to their high pectin and acid content. It can reach heights of 20 feet and is highly adaptable to different soil conditions. Plant in full sun for optimal fruiting. Excellent tree for wildlife.

## Soil Testing Program

Let the Carroll Soil & Water Conservation District help you make informed decisions about the nutrient applications for your fields. Our office offers soil testing as a service to agricultural producers in Carroll County. This service includes assistance in interpreting your results and recommendations based on those results. District staff will collect samples after being provided a list of fields by producers. A list of terms regarding the program is given below:

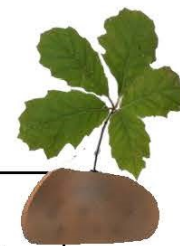
- A Basic Soil Sample Test costs \$20 per sample and includes the N, P, and K levels of the soil.
- A Comprehensive Soil Sample Test (basic soil test plus micro analysis) will cost \$30 per sample.
- Fields over 20 acres will require multiple samples and will be determined prior to testing.
- Payment is due when number of samples are determined, prior to testing.
- Samples will be pulled as staff time allows during either the spring or fall of the year.
- A&L Great Lakes laboratory will be used for testing.
- Results from the lab will be provided to the producer following submission.
- Producers may request a Nutrient Management Plan (NMP) with additional recommendations specific to their farm at NO ADDITIONAL CHARGE.
- Participation in this program grants Carroll SWCD permission to maintain soil test information and utilize it for educational purposes. (Any public use of information will always have specific location and producer information removed.)

If you are interested in having soil samples pulled for your farming operation, please contact our office at 330-627-9852.





# Carroll Soil and Water Conservation District 2023 Tree Seedling Order Form



Name: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 \*Email: \_\_\_\_\_

*Office Use Only*	
Check # _____	Cash
Receipt # _____	
SWCD Initials _____	
Date _____	

**\*If you would like to receive our Newsletters by email, please provide your email address.**

### MAKE ORDERS PAYABLE & MAIL TO:

CARROLL SWCD, 613 HIGH STREET NW, CARROLLTON, OH 44615  
 ALL SALES ARE FINAL, CASH OR CHECK, PAYMENT MUST ACCOMPANY ORDER

ONLINE ORDERING AVAILIABLE AT OUR WEBSITE: [carrollswcd.org](http://carrollswcd.org)

**DEADLINE FOR PLACING ORDERS IS March 31, 2023 (\*quantities are limited, so order early\*)**

**Pick-Up is April 6-7, 2023 8:00am-4:30pm** - No refund on orders not picked up

2023 Species	**	Size	Packet Price	Packet Price with Tax	# of Packets	Line Total
<b>Fruit &amp; Berries</b>						
Blueberries "Patriot", "Bluecrop", "Elliot"	BCEF	10-16"	3 for \$23.42	3 for \$25		
Yellow Raspberry "Fall Gold"	BEF	6-10"	2 for \$9.37	2 for \$10		
Pawpaw ( <i>Asimina triloba</i> )	BCEFW	12-24"	5 for \$11.24	5 for \$12		
Persimmon ( <i>Diospyros virginiana</i> )	BEF	18-24"	5 for \$7.49	5 for \$8		
Apples Semi-dwarf "Honeycrisp", "Grimes Golden"	BEF	4-5 ft	2 for \$46.84	2 for \$50		
American Elderberry ( <i>Sambucus canadensis</i> )	BEFW	18-24"	5 for \$8.43	5 for \$9		
<b>Evergreens</b>						
Norway Spruce ( <i>Picea abies</i> )		18-24"	5 for \$7.49	5 for \$8		
Eastern White Pine ( <i>Pinus strobus</i> )		12-18"	5 for \$12.18	5 for \$13		
American Arborvitae, ( <i>Thuja occidentalis</i> )		12-18"	5 for \$12.18	5 for \$13		
<b>Deciduous</b>						
Red Oak ( <i>Quercus rubra</i> )	BC	18-24"	5 for \$7.49	5 for \$8		
Sugar Maple ( <i>Acer saccharum</i> )	BCE	18-24"	5 for \$8.43	5 for \$9		
White Oak ( <i>Quercus alba</i> )	BC	18-24"	5 for \$7.49	5 for \$8		
Bur Oak ( <i>Quercus macrocarpa</i> )	BCW	18-24"	5 for \$7.49	5 for \$8		
Black Walnut ( <i>Juglans nigra</i> )	BEW	18-24"	5 for \$7.49	5 for \$8		
Chinese Chestnut ( <i>Castanea mollissima</i> )	BE	18-24"	5 for \$11.24	5 for \$12		
<b>Flowering/Fruiting Shrubs &amp; Small Trees</b>						
Buttonbush ( <i>Cephalanthus occidentalis</i> )	BEFW	18-24"	5 for \$7.49	5 for \$8		
American Crabapple ( <i>Malus coronaria</i> )	BEF	12-24"	5 for \$10.30	5 for \$11		
Eastern Redbud ( <i>Cercis canadensis</i> )	BCF	18-24"	5 for \$7.49	5 for \$8		
White Flowering Dogwood ( <i>Cornus florida</i> )	BCF	12-24"	5 for \$10.30	5 for \$11		
American Plum ( <i>Prunus americana</i> )	BEF	24-36"	5 for \$11.24	5 for \$12		

\*\* B-bird/wildlife value C-fall color E-edible F-flowering/fruiting W-tolerates wet soils

**ORDER TOTAL:**

***If you have any questions or need assistance with selecting species, please feel free to call our office at 330-627-9852.***



# Carroll Soil and Water Conservation District 2023 Fish Order Form



Name: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Phone: \_\_\_\_\_

\*Email: \_\_\_\_\_

*\*If you would like to receive our Newsletters by email, please provide your email address.*

<b>*Office Use Only*</b>	
Check # _____	Cash
Receipt # _____	
SWCD Initials _____	
Date _____	

### MAKE ORDERS PAYABLE & MAIL TO:

CARROLL SWCD, 613 HIGH STREET NW, CARROLLTON, OH 44615  
ALL SALES ARE FINAL, CASH OR CHECK, PAYMENT MUST ACCOMPANY ORDER

### DEADLINE FOR PLACING ORDERS IS MARCH 24, 2023

Pick-up will be Thursday March 30, 2023 at 8:30am- at the Carroll SWCD Office  
No refund on orders not picked up *\*Ohio Fish Sales Only\**

### OTHER IMPORTANT INFORMATION

\*Buyers must bring their own container lined with an unscented plastic bag, filled 1/3<sup>rd</sup> full of their own pond water

\*Please do not place lids on containers, simply use a twisty tie or twine to close the plastic bag

\* 5 gallons of water per 100 fish/ Amur & Koi require 5 gallons per 2 fish/ Minnows require 5 gallons per 1000 fish

Species Descriptions	Price Per Fish or Item	# Ordered	Line Total
2-3" Largemouth Bass (most popular predator fish)	\$1.10		
2-4" Bluegill (most popular forage fish)	\$1.00		
4-5" Channel Catfish (diet consists of insects, fish, crayfish)	\$1.00		
2-3" Yellow Perch (predator that consume insects and small fish)	\$1.10		
2-4" Hybrid Bluegill (great gaming appeal and table fare)	\$1.00		
2-4" Redear Shellcracker (consume snails and small mollusks)	\$1.00		
2-4" Black Crappie (one of the most popular panfish species)	\$1.10		
1-3" Fathead Minnows (used as feeder fish) <b>*Must order 100 at a time*</b>	\$10.00		
8-10" White Amur (used to consume aquatic vegetation)	\$16.00		
6-8" Japanese Koi (colorful fish/ used to consume aquatic vegetation)	\$13.00		
<i>Pond Management, Book by Steve Fender</i>	\$20.00		
Nature's Pond Conditioner- 1 gallon, does ¼ acre (all natural bacteria + dye in one)	\$90.00		
Nature's Pond Conditioner- 5 gallons, does 1 acre (all natural bacteria + dye in one)	\$375.00		
<i>If you have any question or need assistance with selecting species, please feel free to call our office at 330-627-9852.</i>		<b>Subtotal:</b>	
<i>ONLINE ORDERING AVAILIABLE AT OUR WEBSITE: <a href="http://carrollswcd.org">carrollswcd.org</a></i>		<b>Add Tax: 6.75%</b>	
		<b>ORDER TOTAL</b>	

## **Stocking Recommendations**

These stocking recommendations are for new ponds without existing fish populations, (per acre).

100-Largemouth Bass    500-Bluegill    100-Channel Catfish    500 to 1000-Fathead Minnows

If your adding fish to a pond with an existing fish population, the above numbers should be cut in half.

White Amurs can be stocked to help control some types of aquatic vegetation. They have been successful in controlling milfoil, muskgrass, pondweed, naiad, coontail and elodea.

White Amur Stocking Rates

If 20% or less of pond is covered by plants-----No amurs needed

20%-40% of pond is covered by plants-----5 amurs per acre

40%-60% of pond is covered by plants-----10 amurs per acre

60% or more of the pond is covered by plants-----20 amurs per acre

## **Area 3 Envirothon**

*The Area 3 Envirothon will be held April 26, 2023 at Bluebird Farm Park in Carroll County!*

2023's theme is "Adapting to a Changing Climate."

Any high school teacher or home school group is allowed to form a five-student team (grades 9-12) to compete in the Envirothon. Students are tested on their knowledge of soils, forestry, wildlife, aquatic ecology, and current environmental issues. In addition, the Envirothon encourages cooperative decision making and team building.

Schools are allowed to send up to three teams per school and are encouraged to think about forming a freshman team, so they gain experience in competing.

Registration forms and release forms are due by Tuesday, March 21, 2023.

Contact Carroll SWCD for more information and to sign up a team (or three)! Additional information, registration forms, and practice content will be available soon at [www.carrollswcd.org](http://www.carrollswcd.org).



## **§401 Informational Session**

Ensure your project stays on track, take time to attend this free training session.

If you're planning a project that will result in the discharge of dredge or fill material into a lake, stream and/or wetland, you may need a permit from the U.S. Army Corps of Engineers and Ohio EPA.

Join Rachel Taulbee (Ohio EPA, Southeast District Office) to learn more about the requirements to obtain a permit for your upcoming project.

January 18, 2023

1:00—3:00 pm

Jefferson County Towers Building

500 Market Street

Steubenville, OH 43952

2nd Floor Meeting Room




Please RSVP by January 11, 2023 to Irene Moore (740) 264-9790  
[imoore@jeffersoncountyoh.com](mailto:imoore@jeffersoncountyoh.com)

# Wetland Reserve Easement Program


USDA's Ohio Natural Resource Conservation Service (NRCS) is accepting applications from landowners interested in restoring, enhancing and protecting wetlands with financial and technical assistance through the Wetlands Reserve Easement Program (WRE). The deadline to receive fiscal year 2023 funding is February 17, 2023.

Wetland Reserve Easements can help landowners protect land from development, restore critical wildlife habitat for outdoor recreation and improve water quality by filtering sediments and reduce flooding.


For details or to sign up, stop by the office or call Kevin Swope at (330) 627-5537 x4091.



**Leave A Legacy**



Sign Up For The NRCS Wetland Reserve Easement Program



Conservation At Work

## Meet our Newest Staff Member!

Laura Miller Frase is the newest member of the Carroll Soil and Water Conservation team where she is serving as the Education Specialist/Administrative Assistant. Laura's mother, Jean Miller, owns Miller Ridge Farm where they raise cattle using managed intensive grazing and other conservation strategies. Laura is married to Michael Frase and they have one daughter, Leah. They enjoy hiking, traveling and camping together. Laura is a 1989 graduate of Carrollton High School and she has returned after teaching middle school and high school science for 29 years in Meigs and Lake counties. Laura is proud to be following in the footsteps of her late father, Cliff Miller, in carrying on the tradition of conservation on the family farm. She is excited about bringing more opportunities for students and adults to learn about conservation so that we can all work together to preserve the beauty and the resources of Carroll County.



## 2023 Carroll Soil and Water Conservation District Calendar

The 2023 Carroll SWCD Calendars are available at the District Office now. They are free and feature photos submitted during our annual photo contest as well as great staff photos.

Would you like your photos to make our 2024 calendar?! Be sure to check out our spring newsletter for details on how to submit your photos! This years contest is going to be cow themed! Our 2024 calendar will be the official Carroll SWCD "cow-lendar".



**Carroll Soil & Water  
Conservation District**

613 High Street NW  
Carrollton, OH 44615

The Carroll Soil and Water Conservation District Board of Supervisors and staff would like to thank the Carroll County Commissioners for their financial support and dedication to soil and water conservation. The annual financial assistance from the County is matched by funds from the State which enables the District to continue to provide assistance to Carroll County landowners.

Christopher Modranski  
Donald Leggett  
Robert Wirkner

**Visit us online:  
carrollswcd.org**

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John & Ruth Davis	Hutchison Agriculture
Newell Realty	Dave & Kay Evans
Carlton Tree Farms	Carroll County Messenger
John McKarns	Betty Mills
Kay Russell	Luckey Farms
Bernie Heffelbower	Green Haven Farm
Diamond T Fencing	Chet & Sandy Mason
Neider Family Farms	Sherman & Patti Oyer
Ernest Little	Charles & Vernice Pearson
Alan Weir	Haley-Leslie farms
Tubaugh Farms	Charles Palmer
Jeannine Miller	Carrollton Garden Club
Applied Agronomics	

## Upcoming Events

- Jan 16: Martin Luther King Jr. Day—Office Closed
- Jan 24: Board Meeting 2 pm
- Jan 26: EOGC Winter Meeting: Harrison
- Feb 20: President's Day—Office Closed
- Feb 23: EOGC Winter Meeting: Carroll
- Feb 28: Board Meeting 2 pm
- Mar 23: EOGC Winter Meeting: Tuscarawas
- Mar 28: Board Meeting 2 pm
- Mar 24: Fish Order Deadline
- Mar 30: Fish Pickup
- Mar 31: Tree Order Deadline
- Apr 1: Eggstravaganza
- Apr 6 & 7: Tree Pickup
- Apr 25: Board Meeting 2 pm
- Apr 26: Area 3 Envirothon: Bluebird Farm Park
- Apr 27: EOGC Pasture Walk
- May 23: Board Meeting 2 pm
- May 25: EOGC Pasture Walk
- May 29: Memorial Day—Office Closed