

PLANTING A HEALTHIER COMMUNITY

Licking County is growing. This growth literally paves the way for new infrastructure like roads, parking lots, and sidewalks. These impervious surfaces cause a lot of problems with regard to stormwater quantity and quality.

We build stormwater infrastructure to channel water away through curbs, gutters, drain pipes, and outfalls to nearby lakes and streams. Unfortunately these human-made structural controls don't always work as well as natural systems. Let's consider an additional tool that we can easily implement into our stormwater infrastructure - trees! We all see and use them for their aesthetic and economic values along our streetscapes and neighborhoods, but consider their benefits as a stormwater control measure.

If form follows function, the trees have a larger role to play than just



enhancing the look of our community. Integrating a whole forest of trees throughout an urban landscape can have a *tree*-mendous impact on stormwater volume and value.

Because of a tree's size, it interacts with the urban hydrologic cycle. Every part of the tree captures precipitation, from holding the soil in place with its roots, to soaking up excess water and releasing it through evapotranspiration. Deep root systems allow water to infiltrate down through the soil, contributing to the water table.

A tree's leaves and branches provide ground cover which lessens the impact a hard rain has on the ground. Trees can also increase the amount of organic matter in topsoil through the loss their leaves, helping the soil

become more sponge like. This loose spongy soil readily absorbs water and reduces soil erosion. Additionally, the more trees an area has, the more pollutants from impervious surfaces can be filtered before stormwater enters our creeks, rivers and lakes.

We really are paving the way for a healthier community by planting trees in and around our neighborhoods. 🌍

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Check out the 2018 Seedling Tree Sale on page 4



Promoting conservation of natural resources through local leadership, education, and technical assistance.

771 East Main Street
Suite 100
Newark, Ohio 43055-6971
740-670-5330
lickingSWCD.com



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AMERICORPS SERVICE MEMBER

Aaron Ambrosio

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Office Hours: 8:00 AM - 4:30 PM
Monday-Friday
Closed Federal Holidays

The Soil & Water Board meets on the second Wednesday of the month at 4:30 pm at the Soil & Water office. The public is welcome to attend.

USDA is an equal opportunity provider, employer, and lender.

PLANTING THE FUTURE FREE TREES FOR STUDENTS

Thanks to our generous sponsors, Licking Soil & Water offers free seedling trees to elementary and middle schools that serve Licking County students. The free seedling trees program is an opportunity to show students how important trees are to their health, their community, and their environment. Choose from two options:

Option 1: Each student receives a tree to take home. This option is ideal for schools where students have a place at home to plant a tree. Schools receive tree planting guides for each student and educational resources to use in the classroom.

Option 2: Request trees to plant on school grounds. This option is perfect for enhancing an outdoor classroom. Students take ownership and responsibility for the trees planted. Schools receive a tree planting guide and educational resources to use in the classroom.

Educators can order trees by Monday, April 2 for pick-up on Monday, April 9th. For more information and to order seedling trees, contact AmeriCorps Aaron, information@lickingSWCD.com, 740-670-5330 or visit www.lickingSWCD.com.

PLANTING THE FUTURE DONATE TO THE CAUSE

Let's give kids the opportunity to fall in love with nature, because you protect what you love. Your contribution enables Licking Soil & Water to provide youth with seedling trees and many other important services for cultivating a natural resource conservation-based citizenry in our county.

No matter how large or small, your donation to Soil & Water can have an impact that extends beyond your lifetime. Licking Soil & Water continues to maintain its long standing commitment to promote conservation of natural resources through local leadership, education, and technical assistance.

DONATE ONLINE

CALLING ALL TREE SALE VOLUNTEERS



Annually, Soil & Water distributes tens of thousands of trees. Consider helping inventory and package the delicate seedling trees, put together wildflower seed packets and assist community members when they pick up their trees. Opportunities are inside and outside, sitting and standing, and for a couple hours or for a whole day. Any time you can give is much appreciated.

- On Tuesday, April 3: in the morning we'll be packaging and labeling wildflower seed packets inside, and we'll be in the barn all day inventorying trees and prepping for packaging the bulk trees into bundles.
- On Wednesday, April 4: in the morning and afternoon we'll be packaging the trees in bundles, labeling the bundles, and organizing the barn for customer pick up.
- On Thursday, April 5: we'll be filling and distributing large orders in the morning through early afternoon, then starting in early afternoon, we'll be inventorying and preparing for Friday pick-ups.
- On Friday, April 6: in the morning, afternoon, and evening we'll be assisting community members when they pick up their orders and preparing seedling trees for students.
- On Monday, April 9: in the morning and afternoon, we'll be assisting teachers picking up seedling trees for their students, and doing a final inventory of remaining trees.

For more information or to sign up to volunteer, please contact Kristy, 740-670-5330, information@lickingSWCD.com. 🌍

MEET AMERICORPS AARON

Welcome Aaron Ambrosio, Licking Soil & Water's AmeriCorps Service Member and Outreach and Education Liaison. A recent Kent State University graduate, Aaron majored in psychology and minored in sociology. He grew up in Lorain County right next to Lake Erie. He says, "Even from a young age, I knew that in order to keep this

precious natural wonder, we would all need to do our part to keep it clean and pristine. This inspiration led me to seek out working in an environmental institution."

When not serving in Licking County, Aaron works at the Cleveland Museum of Natural History. He credits the museum for teaching him about Ohio's natural areas and its



Forests are alive and working 24 hours a day and 7 days a week. You should be very happy that they never stop working because you need something 24 hours a day and 7 days a week that they provide for you – the **OXYGEN** in the air that you breathe! One large tree can make enough oxygen in one day for 4 people.

rich environmental history. His time at the museum drove his passion to do more and led him to Licking Soil & Water. Aaron looks forward to making a difference, educating the community, and discovering what he will learn from the community.

Reach Aaron at AmeriCorps@lickingSWCD.com, or stop by the office and introduce yourself. 🌍

2018 SEEDLING TREE SALE

NATIVE EVERGREEN SPECIES



Eastern White Cedar

Mature Height: 20-60'
Mature Width: 10-15'
Growth Rate: S-M
Light Required: S
Soil Moisture: M-W
Soil pH: A

Comments/Uses:
aka American Arborvitae, well adapted



White Pine

Mature Height: 60-80'
Mature Width: 20-40'
Growth Rate: F
Light Required: S
Soil Moisture: M
Soil pH: A, N

Comments/Uses:
timber, windbreak, wildlife

Visit the online catalog at
www.lickingswcd.com

NATIVE DECIDUOUS SPECIES



Allegheny Serviceberry

Mature Height: 15-40'
Mature Width: 15-40'
Growth Rate: M
Light Required: S, P
Soil Moisture: D, M
Soil pH: A, N

Comments/Uses:
wildlife, edible fruit, autumn color



American Hazelnut

Mature Height: 10-16'
Mature Width: 8-15'
Growth Rate: F-M
Light Required: S, P
Soil Moisture: M
Soil pH: A, N, B

Comments/Uses:
edible nut, wildlife, tolerant of clay soil



Bald Cypress

Mature Height: 50-100'
Mature Width: 20-40'
Growth Rate: M
Light Required: S
Soil Moisture: D, M, W
Soil pH: A

Comments/Uses:
deciduous conifer, wetland species, timber, wildlife



Black Cherry

Mature Height: 50-80'
Mature Width: 30-60'
Growth Rate: M
Light Required: S, P
Soil Moisture: M
Soil pH: N, B

Comments/Uses:
wildlife, timber, spring flowers, autumn color



Black Gum

Mature Height: 30-60'
Mature Width: 20-30'
Growth Rate: S
Light Required: S, P
Soil Moisture: M
Soil pH: A

Comments/Uses:
ornamental, erosion control, timber, autumn color



Bottlebrush Buckeye

Mature Height: 6-12'
Mature Width: 8-15'
Growth Rate: F-M
Light Required: P, SH
Soil Moisture: M, W
Soil pH: N, B

Comments/Uses:
spring flowers, butterflies, autumn color



Burr Oak

Mature Height: 70-100'
Mature Width: 70-100'
Growth Rate: S
Light Required: S
Soil Moisture: D, M, W
Soil pH: A, N, B

Comments/Uses:
wildlife, timber, shade, drought tolerant



Northern Pecan

Mature Height: 80-120'
Mature Width: 60-100'
Growth Rate: S
Light Required: S
Soil Moisture: M, W
Soil pH: A, N

Comments/Uses:
edible nut, wildlife, provides shade, fall color



Pawpaw

Mature Height: 15-30'
Mature Width: 15-30'
Growth Rate: F-M
Light Required: S, P
Soil Moisture: M, W
Soil pH: A, N

Comments/Uses:
edible fruit, wildlife



Ohio Buckeye

Mature Height: 45-100'
Mature Width: 20-30'
Growth Rate: F-M
Light Required: S, P, SH
Soil Moisture: M
Soil pH: A, N

Comments/Uses:
early to leaf out in spring, interesting flowers & nuts



Redbud

Mature Height: 25-30'
Mature Width: 26-33'
Growth Rate: M
Light Required: S, P
Soil Moisture: M, W
Soil pH: B

Comments/Uses:
adaptable, edible pink-magenta flowers



Red Oak

Mature Height: 50-60'
Mature Width: 50-60'
Growth Rate: F
Light Required: S
Soil Moisture: D, M
Soil pH: N

Comments/Uses:
tolerates dry conditions, timber, landscaping

NATIVE DECIDUOUS SPECIES (CONT.)



River Birch

Mature Height: 40-60'
Mature Width: 30-50'
Growth Rate: F-M
Light Required: S, P
Soil Moisture: W
Soil pH: A

Comments/Uses:
landscaping, shade, ornamental bark



Shellbark Hickory

Mature Height: 100-120'
Mature Width: 74-80'
Growth Rate: M
Light Required: S, P
Soil Moisture: W
Soil pH: A

Comments/Uses:
floodplains, bottomlands, wildlife



Sugar Maple

Mature Height: 60-80'
Mature Width: 20-40'
Growth Rate: S-M
Light Required: S
Soil Moisture: M
Soil pH: N

Comments/Uses:
maple syrup, landscaping, timber, autumn color



Swamp White Oak

Mature Height: 50-70'
Mature Width: 50-70'
Growth Rate: S-M
Light Required: S, P
Soil Moisture: M
Soil pH: A

Comments/Uses:
adaptable, bottomlands, timber, wildlife



White Flowering Dogwood

Mature Height: 20-30'
Mature Width: 20-25'
Growth Rate: S-M
Light Required: S, P
Soil Moisture: M
Soil pH: A

Comments/Uses:
spring flowers, red/burgundy autumn color



White Oak

Mature Height: 50-70'
Mature Width: 50-70'
Growth Rate: S-M
Light Required: S, P
Soil Moisture: D, M, W
Soil pH: N

Comments/Uses:
timber, wildlife, long-lived, ornamental

ADDITIONAL ITEMS

Boundary Marking Paint

8" wide yellow aerosol spray,
long-lasting and fast drying

Tree Tube w/ Stake

4' height, improves seedling survival
and reduces wildlife damage

Marking Flags

21" metal shaft with 4x5" white flag

Dibble Bar

tapered thin wedge cast blade
to quickly plant seedling trees



Wildflower Seeds

plant up to 200' sq. with
perennials, grasses and showy
annuals



Rain Barrel

stores up to 55 g. of rain
water, use to water plants
and/or animals

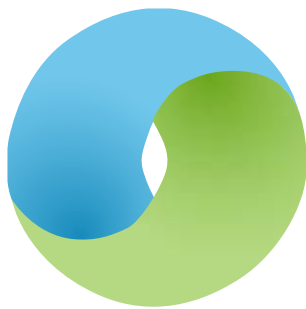
Order Deadline:
March 19th



Growth Rate: F = 12"+, M = 6-12", S = 2-6" per year
Light Required: S = sun, P = part sun/shade, SH = shade
Soil Moisture: D = dry, M = medium, W = wet
Soil pH: A = acidic (6.5 or less), N = normal range (6.5-7.5), B = basic/alkaline (7.5+)

Seedlings are 6-18" tall, see order form on page 6 for more details

Questions or special orders call: 740-670-5330



LICKING COUNTY

SOIL & WATER

CONSERVATION DISTRICT

2018 SEEDLING TREE SALE ORDER FORM

PLEASE INDICATE QUANTITY NEXT TO ITEM & CIRCLE PACK OF 5, 25 or 100

Native Evergreen Tree Species	Qty.	Pack of 5 12"-18"	Pack of 25 9"-16"	Pack of 100 9"-16"	Total
E. White Cedar/Amer. Arborvitae		\$10.00	\$20.00	\$60.00	
White Pine		\$10.00	\$20.00	\$60.00	

PLEASE INDICATE QUANTITY NEXT TO ITEM & CIRCLE PACK OF 5, 25 or 100

Native Deciduous Tree Species	Qty.	Pack of 5 12"-18"	Pack of 25 6"-12"	Pack of 100 6"-12"	Total
Allegheny Serviceberry		\$10.00	\$30.00	\$90.00	
American Hazelnut		\$10.00	\$30.00	\$90.00	
Bald Cypress		\$10.00	\$30.00	\$90.00	
Black Cherry		\$10.00	\$30.00	\$90.00	
Black Gum/Tupelo		\$10.00	\$30.00	\$90.00	
Bottlebrush Buckeye (only avail. in 6"-12")		\$10.00	\$30.00	\$90.00	
Burr Oak		\$10.00	\$30.00	\$90.00	
Northern Pecan		\$10.00	\$30.00	\$90.00	
Pawpaw		\$10.00	\$30.00	\$90.00	
Ohio Buckeye		\$10.00	\$30.00	\$90.00	
Redbud		\$10.00	\$30.00	\$90.00	
Red Oak		\$10.00	\$30.00	\$90.00	
River Birch		\$10.00	\$30.00	\$90.00	
Shellbark Hickory		\$10.00	\$30.00	\$90.00	
Sugar Maple		\$10.00	\$30.00	\$90.00	
Swamp White Oak		\$10.00	\$30.00	\$90.00	
White Flowering Dogwood		\$10.00	\$30.00	\$90.00	
White Oak		\$10.00	\$30.00	\$90.00	

Additional Items

Item	Qty.	Cost		Total
Wildflower Seeds		\$4.50		
Boundary marking paint (yellow)		\$7.00		
Tree tube and wood stake		\$5.00		
Marking Flags (white)		\$0.10		
Dibble Bar		\$55.00		
Rainbarrel		\$65.00		

Order Deadline: March 19th ~ Pick Up: Friday, April 6th

Grand Total

Name: _____ Phone: _____

Address: _____ City: _____ State: _____ Zip: _____

Email: _____

(PLEASE PRINT)

Make check payable to LCSWCD
771 East Main St., Suite 100, Newark, OH 43055

ANTI-BULLYING CAMPAIGN FOR NATURE

In September of 2014, the Ohio General Assembly granted the Ohio Department of Agriculture the exclusive authority to regulate invasive plants. Under the law, invasive plants are species not native to Ohio and whose introduction causes or is likely to cause economic or environmental harm, or harm to human health. In short, invasive plants are bullies who push out native plants. With speed and aggression, invasive plants often consume, infect, out-compete and steal precious water and sunlight from Ohio's 174 endangered or threatened wildlife species. Under recently released rules, the sale and distribution of 38 destructive, invasive plant species is illegal as of January 7, 2018. 🌍

Keep the following list in mind as you plan your spring landscaping. For assistance choosing alternative and acceptable plants, contact us at information@lickingSWCD.com, 740-670-5330.

Ailanthus altissima, tree-of-heaven

Alliaria petiolata, garlic mustard

Berberis vulgaris, common barberry

Butomus umbellatus, flowering rush

Celastrus orbiculatus, Oriental bittersweet

Centaurea stoebe ssp. *Micranthos*, spotted knapweed

Dipsacus fullonum, common teasel

Dipsacus laciniatus, cutleaf teasel

Egeria densa, Brazilian elodea

Elaeagnus angustifolia, Russian olive

Elaeagnus umbellata, autumn olive

Epilobium hirsutum; hairy willow herb

Frangula alnus, glossy buckthorn

Heracleum mantegazzianum, giant hogweed

Hesperis matronalis, Dame's rocket

Hydrilla verticillata, hydrilla

Hydrocharis morsus-ranae, European frog-bit

Lonicera japonica, Japanese honeysuckle

Lonicera maackii, amur honeysuckle

Lonicera morrowii, Morrow's honeysuckle

Lonicera tatarica, tatarian honeysuckle

Lythrum salicaria, purple loosestrife

Microstegium vimineum, Japanese stiltgrass

Myriophyllum aquaticum, parrotfeather

Myriophyllum spicatum, Eurasian water-milfoil

Nymphoides peltata, yellow floating heart

Phragmites australis, common reed

Potamogeton crispus, curly-leaved pondweed

Pueraria montana var. *lobata*, kudzu

Ranunculus ficaria, fig buttercup/lesser celandine

Rhamnus cathartica, European buckthorn

Rosa multiflora; multiflora rose

Trapa natans, water chestnut

Typha angustifolia, narrow-leaved cattail

Typha x glauca, hybrid cattail

Vincetoxicum nigrum, black dog-strangling vine, black swallowwort

Lythrum virgatum, European wand loosestrife (effective January 7, 2019)

Pyrus calleryana, callery pear (effective January 7, 2023)

NEW RESOURCE FROM OHIO DIVISION OF FORESTRY

Forestry pollution complaints occur when someone is logging without taking enough precaution to prevent soil erosion. When investigating complaints, the Ohio Division of Forestry and Licking Soil & Water gather facts related to the logging operation. Fact finding helps determine who is responsible for the forestry pollution and what actions are needed to bring the site back into compliance.

Ideally, conservation practices focus on planning ahead to avoid soil erosion and water pollution, instead of reacting to the pollution. The Forestry Pollution Abatement Program assists landowners and loggers in planning for soil erosion

A new website recently launched to answer the most common questions that the Ohio Division of Forestry and soil and water conservation districts receive about logging regulations and water quality.

forestry.ohiodnr.gov/forestpollutionabatement

control and protecting water quality when harvesting timber.

The website features links to Timber Harvest Plan forms, an electronic version of the Best Management Practice (BMP) book, and the Forestry Pollution Rules and Standards and FAQ. For example, developing a Timber Harvest Management Plan prior to logging encourages

landowners and loggers to anticipate water quality issues.

"It's our hope that the website will be a useful tool to assist landowners and loggers looking for information about the program," stated Bob Mulligan, Forest Hydrology Manager, Ohio Division of Forestry.

A Licking Soil & Water conservation service is reviewing and approving Timber Harvest Management Plans. Although Timber Harvest Management Plans are voluntary, Licking Soil & Water strongly recommends participating in the process. As Abraham Lincoln said, "Give me six hours to chop down a tree and I will spend the first four sharpening the axe." 🌍

RENT OUR NO-TILL DRILL

Have a pasture or hay field to replant? Small soybean field? Other planting needs? Our no-till drills rent for only \$12 per acre.

Call to schedule: 740-670-5330



Great Plains 706NT Drill

Planting Width - 7 feet
Total Width - 9 feet 10 inches

Minimum requirements: 55-horsepower tractor with hydraulic system for field operations

This drill plants:

- Warm season grasses such as switch, bluestem and gamma grasses
- Cool season grasses for hay such as clover, timothy, orchard grasses and alfalfa
- Small grains such as soybeans, wheat, and oats.

John Deere 1590 Grain Drill

Planting Width - 10 feet
Total Width - 10 feet 6 inches

Minimum requirements: 85-horsepower tractor with 2-way hydraulic system for field operations

This drill plants:

- Soybeans
- Food plots

At time of pick up, complete and sign rental agreement, pay deposit with cash or check, and provide proof of insurance for the vehicle towing the drill. For transport, drills require a ¾ ton or larger pickup truck with heavy-duty hitch and a 7/8-inch or 15/16-inch hitch pin.

Licking Soil & Water provides equipment for rent to aid our neighbors' conservation efforts. The no-till drills have been used on hundreds of acres by many producers across Licking County. Using no-till farming practices reduces soil erosion, and helps keep nutrients on the farm and out of our water. 🌍



Pass it along!

Feel free to share this issue and its resources with friends and colleagues

IMPORTANT DATES

- Feb 14:** Farmland Preservation Pre-Application Deadline
- Feb 14:** LCSWCD Board Meeting
- Feb 15:** Landscape for Life Series
- Feb 17-18:** LCSWCD @ STEMfest at the Works
- Feb 19:** Presidents' Day - Office Closed
- Feb 22:** Landscape for Life Series
- Mar 1:** Landscape for Life Series
- Mar 8:** Rain Gardens and Rain Barrels Workshop
- Mar 10:** LCSWCD @ Farmers' Share Breakfast
- Mar 14:** LCSWCD Board Meeting
- Mar 19:** Seedling Trees Order Deadline
- Apr 3-6:** Tree Sale Volunteers Needed
- Apr 6:** Tree Sale Pick Up Day
- Apr 11:** LCSWCD Board Meeting
- Apr 17:** Tri-County Envirothon
- Apr 25:** Area 3 Envirothon
- Apr 27:** LCSWCD @ Locally Grown & Gathered Dinner