

AWARD WINNERS CELEBRATED AT ANNUAL BANQUET

Licking County Soil & Water celebrated our community conservation efforts at the Annual Banquet on November 17th by announcing the Annual Award Winners for 2021. Award winners are chosen for their dedication to conserving natural resources in Licking County. Our community is fortunate to have dedicated individuals that tirelessly help us carry out the mission of caring for our land and teaching our next generation of conservation leaders!

2021 Cooperator of the Year: Ed and Kathy Parrish

Ed and Kathy Parrish farm in Licking and Fairfield Counties, producing corn, beans, and barley crops. Both of them grew up in farming families and have been married and partners in farming for nearly 35 years. Over the years, Ed and Kathy have invested in conservation practices on the farm including spring development, no-till drill equipment, waterways, and cover



crops to be good stewards of the land. Ed and Kathy continually embrace conservation crop rotation and use the latest variable rate technology for herbicide application and nutrient management.

Ed is a graduate of The Ohio State University with a BS in Agriculture, Agronomy & Ag Econ. He is an active member of the Professional Agrarians. He volunteers with water quality initiative groups as a member of Buckeye Lake for Tomorrow and former Director of South Licking Watershed Conservancy District. Kathy has been involved with 4-H all her life and has served as a director on the Licking County 4-H Committee. She also had her own Club Kith-n-Kin for a number of years.

2021 Educator of the Year: Nancy Taylor

Nancy Taylor is an educator at heart; she believes teaching the next generation to care about the environment is the key to conserving our natural resources.



Nancy graduated from Butler University with a B.S. in Zoology and Environmental Studies and is the Chemist and Pretreatment Coordinator for Newark Water and Wastewater Treatment Plant.

As a partner in Soil & Water's programming, Nancy has participated in the summer Educator Workshop series, provided training to the Ohio Certified Volunteer Naturalist program, and coordinated creeking activities for the scout day camp. You will find her at community events such as the Downtown Newark Association STEM on the Square and education events at The Works. She provides mentorship and hands-on learning experiences

for scout merit badges, science fair projects, career shadowing, and bring your kids to work day.

2021 Volunteer of the Year: Jeff Bates, Ph.D., CHMM

As a dedicated volunteer, Jeff Bates has been involved with Licking Soil & Water District since 2015. Jeff has served as an Associate Board member since 2016 and is a valued asset to the leadership that drives the success of our district. He regularly attends and participates in board meetings and serves on multiple committees.



Jeff is a Professor and Program Coordinator of Environmental Science, Safety & Health at Columbus State Community College, teaching geology as well as environmental health and safety courses. As a teacher, he regularly helps at community events and provides soil education programs for elementary classes at local schools. Annually, he spends his time volunteering with us cleaning our waterways at the River Round Up, helping with the spring tree sale, and providing programming at the Hartford Fair Natural Resources Area.

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FFA SOIL JUDGING WINNERS

The FFA soils contest has students evaluate land and soil to determine its potential use. District winners were recognized at the Annual Banquet.

Licking Valley FFA

First Place Urban Team

Johnstown - Monroe FFA

First Place Rural Team

Hailey Bush - Johnstown-Monroe FFA

First Place Rural Individual

Ashton Williams - Johnstown-Monroe FFA

First Place Urban Individual



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

SOIL & WATER STAFF

Jackie Bruns
Brent Dennis
Kristy Hawthorne
Briana Hodgson
Joe Jarvis
Kyle Seitz
Britney Stuller
Madison Wisniewski

BOARD MEMBERS

Kim Byce
Seth Dobbelaer
Bill Goodman
Mamie Hollenback
Ron Thompson

ASSOCIATE BOARD MEMBERS

Jeff Baker
Jeff Bates

USDA NRCS STAFF

Joe Koehler
Carlton Howard

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

USDA FSA and NRCS is currently closed to visitors because of the pandemic. Their staff continues to work with producers via phone, email and other digital tools. Contact them at 740-670-5340.

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

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

MEET THE SOIL & WATER TEAM

Kristy Hawthorne, District Program Administrator, works hand-in-hand with the Board of Supervisors to implement the mission to provide leadership, education and technical assistance to conserve Licking County’s natural resources.

Briana Hodgson, Program Coordinator, manages the Ohio Department of Agriculture’s Farmland Preservation Program, annual spring tree sale, and other large projects throughout the year.

Kyle Seitz, Watershed Specialist, is focused on water quality monitoring, identifying areas that would benefit from conservation practices on the ground. He also works with the South Licking Watershed Conservancy District on projects.

Joe Jarvis, District Urban Technician, works with the urbanized areas of the county to conduct plan reviews,

construction site inspections and provide technical assistance to landowners.

Brent Dennis, District Ag Technician, works with the agricultural community to implement practices to improve soil health and water quality through various programs.

Madison Wisniewski, District Urban Technician, works with communities on their compliance with Ohio EPA stormwater regulations through education programs and community outreach.

Britney Stuller, Administrative Assistant, is responsible for bookkeeping and recordkeeping for the office and Board of Supervisors as a local government entity.

Jackie Bruns, Conservation Educator, primarily works with local educators to bring hands-on educational opportunities into the classroom, the natural environment and community events.

THOMPSON AND DOBBELAER RE-ELECTED TO BOARD

Congratulations to Ron Thompson and Seth Dobbelaer for being elected to the Licking County Soil & Water Conservation District Board of Supervisors to serve a second 3-year term beginning January 1, 2022.

Ron served as the Board Chair for the last 2 years and chairs the Grants sub-committee. Ron Thompson farms in Utica, Ohio and is a retired Agricultural Education teacher. He has been affiliated with many local community projects including as a 47-year member of the Hartford Fair Board.

Seth Dobbelaer currently serves as the Fiscal Officer and chairs the Budget Committee. Seth farms in Newark, Ohio. He has been a participant in the Licking County River Round Up and is passionate about organic farming. Seth would like to address storm water drainage, fertilizer and pest control runoff, and unchecked mono cropping.

As unpaid Public Officials, the Board members are responsible for conducting business within the scope of the laws and administrative rules that govern Soil & Water during the 3-year term. Board members also help guide Soil & Water’s mission with professionalism, efficiency, and effectiveness.

Interested in getting involved? We are recruiting Associate Board Members for 2022.

Associate Board members are concerned citizens who officially volunteer their time to assist the Board and District. Associate Board Members serve on board committees, help plan, promote and implement district programs, activities, field days, etc., represent the district at various meetings and events, and present district programs to individuals, groups, and organizations. Contact us to learn more at Information@LickingSWCD.com.

CONSIDERING BUILDING A NEW HOME?

With Licking County populations expanding every year, so too does the pressure from development. As part of that development, housing and subdivisions are being constructed across the county to meet the growing housing needs. However, some desire a rustic setting and will build on more secluded lots. Those individual single-family builds often do not have the benefit of engineers or large home building construction companies to plan out the lot. Landowners are advised to do research when they plan buildings to avoid unnecessary headaches.

Below are some research tips to help when you are determining the best location to build:

1. Look at contours or elevation information for the lot of land you are building on. The United States Geological Survey (USGS) Topographic Maps are available to the general public online and helpful in determining the high and low spots that might prevent building in a naturally wet, flood-prone, or low-lying area.
2. Look into the soil types that make up your property for a wealth of useful information. Licking County has over 50 different soils and some are better

to build on than others. Some soils can cause shifting or cracking of the foundation if not properly compacted. Reach out to the Licking County Soil & Water office if you would like a soils evaluation and map of your property.

3. Check out the United States Fish and Wildlife Service National Wetland Inventory (NWI) mapper for possible wetlands on site. The NWI wetland information is based on the analysis of aerial photography to determine potential wetland areas. This data is used to help developers determine areas to avoid but does not replace an on-the-ground evaluation of the property for wetlands and streams. Apart from the regulation for disturbing wetlands, wetlands can have unique soil and water properties that could make it difficult to build on without substantial work. Federal and state regulations provide legal protection to streams and wetlands. It is recommended you hire a wetland scientist to evaluate your property if you have wet or low-lying areas that are expected to be impacted by construction.
4. Lastly, keep in mind that increasing the amount of impervious area (building under roof, patios, driveways, etc.) increases the speed at which water



runs off to neighboring properties. Building on a platform of compacted soil may prevent water from entering your house, but it can cause flooding on adjacent properties if not properly managed. Proper retention and management of stormwater is a must for the long-term sustainability of the land. Installing a rain garden and planting native trees in your landscaping helps to provide both filterings to stormwater runoff before it enters our streams and habitats for native species of pollinators, birds, and wildlife.

Building a home can be exciting and feel like a dream. Proper planning and some forethought can prevent it from being a nightmare. For more information on any of these topics, please contact Licking County Soil and Water Conservation District at 740-670-5330 or Information@LickingSWCD.com.

OHIO TO HOST NATIONAL ENVIROTHON COMPETITION IN 2022

One of the most exciting educational-related programs the Ohio Soil & Water Conservation Districts are involved in is the Envirothon Competition for teams of high school students. Teams consisting of five students compete in testing categories of Soils, Forestry, Aquatics, Wildlife and a Current Environmental Issue. In 2022 the topic is “Waste to Resource.”

Teams compete at the local, regional, and state levels for an opportunity to compete at the National level. The best part is, the 2022 National Envirothon Competition will be held in Oxford, Ohio at Miami University!

Soil & Water has resources to help prepare teams for the competition including kits to check out, educators to come to your school, and virtual resources. Contact Jackie Bruns at JackieBruns@LickingSWCD.com or 740-670-5333 for details.



Competition Dates:

Tri-County Envirothon	April 12, 2022	Perry County Gun Club New Lexington, Perry County
Area 3 Envirothon	April 27, 2022	Caldwell Lake, Noble County
Ohio State Envirothon	June 7–9	Lake Erie College, Painesville
National Envirothon	June 24–30, 2022	Miami University, Oxford

Get in touch with your roots and order your trees today! The tree species offered changes a little bit each year, but we strive to offer a diverse option of hardwoods, ornamentals and shrubs.

See order form on page 6 for more details. Not sure which tree would work best for your situation? Have a special request for a species? Have a large planting of over 500 trees planned? Give us a call, we are here to help! 740-670-5330

SHRUBS, SMALL TREES AND FRUIT TREES



Arrowwood Viburnum
Mature Height: 6'–15'
Mature Width: 6'–15'
Growth Rate: M
Light Required: S, P, SH
Soil Moisture: D, M, W
Soil pH: A, N, B

Comments/Uses: Ornamental, white flowers, blue-black berries, attracts birds butterflies, and moths



Eastern Red Cedar
Mature Height: 40'–50'
Mature Width: 8'–20'
Growth Rate: M
Light Required: S
Soil Moisture: D, M
Soil pH: A, N, B

Comments/Uses: Ornamental (columnar shape), windbreaks, wildlife, attracts cedar waxwings, and timber (should not be planted near apple trees due to cedar apple rust)



Elderberry
Mature Height: 5'–12'
Mature Width: 5'–12'
Growth Rate: F
Light Required: S, P
Soil Moisture: M, W
Soil pH: A, N

Comments/Uses: Dark edible berries, showy white flowers, wildlife, and attracts birds



Persimmon
Mature Height: 35'–60'
Mature Width: 20'–35'
Growth Rate: S
Light Required: S, P
Soil Moisture: D, M
Soil pH: A

Comments/Uses: Edible fruit, fragrant white flowers, wildlife, attracts pollinators



Red Bud
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 with edible pink-magenta flowers



Silky Dogwood
Mature Height: 5'–8'
Mature Width: 6'–10'
Growth Rate: M
Light Required: S, P, SH
Soil Moisture: D, M, W
Soil pH: N, B

Comments/Uses: White flowers, reddish stems, burgundy fall color

LARGE TREES



Bur Oak
Mature Height: 70'–80'
Mature Width: 70'–80'
Growth Rate: S
Light Required: S
Soil Moisture: D, M, W
Soil pH: A, N, B

Comments/Uses: Wildlife, large tree at maturity, long-lived, offers deep shade



Kentucky Coffeetree
Mature Height: 60'–95'
Mature Width: 40'–50'
Growth Rate: F–M
Light Required: S
Soil Moisture: M
Soil pH: N, B

Comments/Uses: Reputation as a tough species, ornamental or street tree, toxic to livestock & pets if ingested



Northern Pecan
Mature Height: 70'–100'
Mature Width: 40'–80'
Growth Rate: M
Light Required: F
Soil Moisture: D, M
Soil pH: N

Comments/Uses: Edible fruit, wildlife, timber



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

Comments/Uses: Wildlife habitat (bat roosting in flaking bark), timber



Sugar Maple
Mature Height: 60'–75'
Mature Width: 40'–50'
Growth Rate: M
Light Required: S, P, SH
Soil Moisture: D, M
Soil pH: N, B

Comments/Uses: Syrup, timber, wildlife, pollinators



White Oak
Mature Height: 50'–80'
Mature Width: 100'
Growth Rate: M–S
Light Required: S, P
Soil Moisture: D, M, W
Soil pH: N

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

CONIFER TREE



Eastern 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, windbreaks, wildlife

ADDITIONAL ITEMS CONTINUED



Rain Barrel*
 Stores up to 55 gallons of rain water; use to water plants and/or animals; fully plumbed

ADDITIONAL ITEMS



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



Tree Tube and Wood Stake*
 4' height, improves seedling survival, and reduces wildlife damage

Boundary Marking Paint*

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

Marking Flags*

21" metal shaft with 2.5" x 3.5" white flag

Dibble Bar*

Tapered thin wedge cast blade to quickly plant seedling trees

Geotextile*

A water-permeable material used to improve drainage and reduce erosion. 12.5' wide, sold by linear foot

* Items available for sale all year

Growth Rate: F = fast, 12"+ per year,
 M = medium 6"–12" per year,
 S = slow 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 pH range (6.5–7.5),
 B = basic/alkaline (7.5+)

Order deadline: March 21, 2022 | Pick up: April 22, 2022

BRINGING THE GIFT OF TREES TO OUR LOCAL YOUTH!

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

In addition to the seedling trees, local schools will receive tree planting guides and tree education resources for the classroom. Please keep an eye out for this program to start taking orders in the spring.

Option 1: Each student from participating schools receives a seedling tree to take home. This option is ideal for schools where students have a place at home to plant a tree. If large portions of the student body live in apartments or rental properties, consider Option 2.

Option 2: Request a certain number of trees to be planted on the school grounds. This option is perfect for

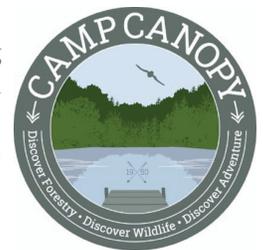


enhancing an outdoor classroom. Additionally, this option allows all students to have ownership and responsibility for the trees planted at their school. If you choose this option, a variety of native tree species will be provided.

Educators can order trees by Friday, April 1 for pick-up on Monday, April 25th. Visit LickingSWCD.com to complete the request form or contact Jackie Bruns at 740-670-5333.

CAMP CANOPY

Open to incoming freshmen through graduating seniors (up to 19 years of age) Camp Canopy is the summer activity all of your friends will be talking about. A weeklong (Sunday–Friday) camp held from June 12–17, 2022 at Ohio FFA Camp Muskingum in Carrollton, it's the perfect mix of forestry, wildlife and adventure.



Camp Canopy combines educational sessions with instructors from Ohio's top natural resource organizations (like the Ohio Department of Natural Resources) and industry experts from the state's top educational institutions with the adventure of the great outdoors. Plus, the traditional summer camp activities (campfire, anyone?) we all know and love.

For more information on Camp Canopy as well as available sponsorships and scholarships, visit campcanopy.com.

2022 SEEDLING TREE SALE ORDER FORM



Please indicate quantity of saplings or packs in area provided for each variety.

Shrubs, Small Trees, and Fruit Trees	Sapling (3'-4')	Pack of 5 (12"-18")	Pack of 25 (12"-18")	Total # of packets × price
	\$12.00	\$14.00	\$40.00	
Arrowwood Viburnum	N/A			
Eastern Red Cedar	N/A			
Elderberry				
Persimmon				
Red Bud				
Silky Dogwood				
Large Trees	Pack of 5 (12"-18")	Pack of 25 (6"-12")	Pack of 100 (6"-12")	Total # of packets × price
	\$14.00	\$34.00	\$110.00	
Bur Oak				
Kentucky Coffeetree				
Northern Pecan				
Shagbark Hickory				
Sugar Maple				
White Oak				
Conifer Trees	Pack of 5 (12"-18")	Pack of 25 (6"-12")	Pack of 100 (6"-12")	Total # of packets × price
	\$12.00	\$25.00	\$70.00	
Eastern White Pine				
Additional Items	Quantity	Cost	Total	
Wildflower Seeds: plants 200'sq of perennials, grasses & annuals		\$5.00		
Boundary Marking Paint*: 8" wide aerosol, long-lasting, fast dry		\$8.00		
Tree Tube and Wood Stake*: 4' height, protects young trees		\$6.00		
Marking Flags (white)*: 21" metal shaft with 2.5" x 3.5" flag		10 for \$10.00		
Dibble Bar*: thin wege cast blade to quickly plant seedling trees		\$95		
Rain Barrel*: 55 gallon plumbed barrel, use to water plants, animals		\$65		
Geotextile* (12.5' wide, sold by linear feet) water permeable mat.		\$2.00/linear foot		
Pond Management Book* guide to healthy ponds		\$20.00		
* Items available year round		Total		
** Starting 2022 State Auditor requires Soil & Water to collect tax. Non-profits and farms must provide tax exempt form with order.		** Sales Tax (7.25%)		
		Grand Total		

Order Deadline: March 21, 2022 – Pick Up: April 22, 2022

(Please Print)

Name: _____

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

Email: _____ Phone: _____

Remit to: LCSWCD • 771 East Main St., Suite 100, Newark, OH 43055
 Visit the online catalog at www.LickingSWCD.com

CAN I SPREAD MANURE IN THE WINTER?

Source: Knox County Soil and Water Conservation District

We get this question a lot this time of year in the SWCD office, mostly because of the press that surrounds some of the new water quality initiatives in Ohio. So... can you? The answer, at least for now in Licking County, is “YES”... but there are certainly greater risks involved.

It should be no surprise that manure spread on frozen or snow-covered ground is at greater risk of runoff to local rivers, lakes and streams. Frozen ground generally reduces the potential for manure to infiltrate the topsoil, and manure applications over snow are subject to runoff whenever snow-melt occurs. Rainfall on frozen or snow-covered ground moves applied manure to streams and other bodies of water as if it were running across a parking lot.

If you must make winter manure applications follow the accepted best management practices for the situation.

In Ohio, those accepted best management practices can be found in the USDA-NRCS Nutrient Management Standard. They are: (in part)

- 200-foot setback from waterways and streams (300 from developed springs)
- At least 90% surface residue cover
- Limit application rates – Solid Manure; 10 wet tons if less than 50% solids, 5 wet tons if greater than 50%,
- Liquid Manure 5,000 gallons or, next crop need/removal for P2O5.
- Do not apply on more than 20 contiguous acres.
- There are additional criteria that apply for fields with slopes greater than six percent.

Contact the SWCD office for specific field by field recommendations. 🌍



YES, THERE'S AN APP FOR THAT...

Source: Knox County Soil and Water Conservation District

Farmers Can Use A Locally Developed “App” to Track Fertilizer Applications

Local farmers can use a mobile device application developed by the Knox SWCD and Knox County Farm Bureau to help track their fertilizer and manure applications to ensure compliance with regulatory record keeping requirements for fertilizer applications.

The ONMRK app features drop-down menus that make it quick and easy for farmers to record their fertilizer or manure application as well as record the current weather conditions and forecast for the next 24 hours. Those records can then be printed through an internet portal.

After setting up the ONMRK app on their mobile device, farmers can easily



record what nutrients they apply on their farms and fields. It uses the device GPS system to pinpoint exactly where farmers are on their acreage and gives an accurate report instantly. The app will also warn you if weather conditions aren't favorable to apply fertilizer or manure nutrients.

The web account which instantly links farmers' data and updates records, whether they are recorded through a mobile device or from a computer, can be set up at www.onmrk.com. The mobile device app can be downloaded to your Android or Apple mobile device from both Google Play and the App Store. You must set up your web account before you can utilize the mobile device application.

For questions on the record keeping requirements or the ONMRK app you can call Licking Soil & Water office at 740-670-5330. 🌍



MWCD COST SHARE PROGRAM

The Muskingum Watershed Conservancy District (MWCD) has cost share programs available for the following projects:

Cover Crops: \$12–15 per acre to install cover crops.

Critical Area Seedings: \$500 per acre to seed small area with erosion problems.

Livestock exclusion fencing: \$10,000 max at 100% cost share to remove livestock access from streams.

Voluntary Nutrient Management Plans: \$2 per acre to develop a plan to apply nutrients to reduce environmental risk.

Working Lands Field Buffers: \$500 per acre for a 3 year period for cropland acres where sediment and nutrients can enter a waterway.

Interested in learning more? Contact Brent Dennis at BrentDennis@LickingSWCD.com or 740-670-5329.

CHECK OUT OUR NEW STORMWATER WEB PAGE

Learn about the benefits of:

- Rain Gardens
- Rain Barrels
- Native Plants
- Composting
- Tree Planting
- and more!

Visit LickingSWCD.com for more information.



Rain Gardens



Rain Barrels



Native Plants



Compost



Tree Planting



Pick Up Pet Waste

Check out our new Stormwater web page at LickingSWCD.com

ENTER THE RIVER ROUND UP POSTER CONTEST TO WIN CASH PRIZES!

The 2022 River Round Up Poster Contest is open to all school-aged youth living in Licking County.

Posters should reflect water pollution awareness and encourage volunteer participation in the 29th Annual River Round Up.

Posters will be judged in three age categories: Elementary (K–5), Middle

School (6–8), and High School (9–12). One winner will be chosen from each age category. Prizes will be awarded to students and their respective schools.

Poster Awards: \$100 to the student artists of the winning posters from each of the categories and \$500 to the student's school for advancing science and art programming. The winning poster artwork will be the primary electronic

marketing images used for the 2022 River Round Up event.

Keep an eye out on our website at www.LickingSWCD.com and on the Licking County River Round Up and Soil & Water Facebook pages for more information on submitting posters to participate in the contest. 🌍

IMPORTANT DATES

Feb 26	Farmer Share Breakfast
Mar 18	Ag Hall of Fame Inductees Breakfast
Mar 21	Tree Sale Order Deadline
Apr 8	River Round Up Poster Contest Deadline
Apr 22	Tree Sale Pre-order PickUp

All dates are tentative due to CDC recommendations regarding COVID-19 Virus. Please visit our website at LickingSWCD.com, or call our office at 740-670-5330 to confirm before attending.

CELEBRATE NATURAL RESOURCES THIS SPRING

National Ag Day

March 22

Earth Day

April 22

Arbor Day

April 30

Stewardship Week

April 24– May 1