



THE FARM SHOW OF THE YEAR! SEPTEMBER 20-22

Molly Caren Agricultural Center, London, Ohio



COLLEGE OF FOOD, AGRICULTURAL. AND ENVIRONMENTAL SCIENCES

fsr.osu.edu













2022 Farm Science Review Information

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TICKETS:

Tickets are available for \$10 preshow from Ohio State University Extension offices, from local agribusinesses, and at **fsr.osu.edu**; or \$15 at the gate. Children 5 and under are admitted free.

HOURS:

Sept. 20–21, 8 a.m. to 5 p.m. Sept. 22, 8 a.m. to 4 p.m.

LOCATION:

Farm Science Review takes place at the Molly Caren Agricultural Center, 2 miles north of London, Ohio, on State Route 38. You can see FSR from I-70, and can access it from State Route 56 or State Route 42 to U.S. 40.

UPCOMING REVIEW DATES:

Sept. 19–21, 2023 Sept. 17–19, 2024 Sept. 16–18, 2025

FOR MORE INFORMATION:

Farm Science Review 135 State Route 38 NE London, OH 43140

Phone: 614-292-4278 Email: fsrinfo@osu.edu On the web: **fsr.osu.edu**

No pets in exhibit area. Place your bottles/cans in recycling bins. Farm Science Review is tobacco-free.

Our health guidance will continue to evolve based on science, data, and the expertise of public health leaders. For the most up-to-date Ohio State COVID-19 guidelines, please visit the Safe and Healthy Buckeyes website at safeandhealthy.osu.edu.

AgrAbility Bus:

10 a.m. to 2:30 p.m. each day

This bus is available to transport individuals with mobility issues or a disability between the main grounds, field demonstrations, and the Gwynne Conservation Area. It is located at the shuttle area at the west end of the grounds (see map in center of program).

Welcome to the 2022 Farm Science Review!

An educational program of The Ohio State University College of Food, Agricultural, and Environmental Sciences (CFAES)

On behalf of all of us at CFAES, I welcome you to the 60th annual Farm Science Review at the Molly Caren Agricultural Center, brought to you by The Ohio State University College of Food, Agricultural, and Environmental Sciences (CFAES). Our staff and many contributors to the event are excited to share ways we are improving your Farm Science Review experience. The site is packed with new ideas, services, and equipment for you to improve your agricultural business. We're especially excited this year to welcome back the

ride and drive opportunities for exhibitors and welcome new participants in our field demonstrations. Our online ticketing has been upgraded in addition to traditional paper tickets. The Farm Science Review Marketplace is a new area that will welcome small businesses producing and selling items utilizing local ingredients.



Farm Science Review is a critical component of our land grant mission at The Ohio State University to provide research-based information and practical education to the people of Ohio and beyond. Thank you to our many partners who help make Farm Science Review a success.



Best wishes,

Cathann A. Kress

Vice President for Agricultural Administration and Dean College of Food, Agricultural, and Environmental Sciences



Farm Science Review Hall of Fame Honorees

Each year, Farm Science Review honors individuals who go above and beyond to ensure the best possible show experience for visitors, as well as the continued sustainability of the Molly Caren Agricultural Center. Chuck Gamble, Bill Phillips and Bob Zachrich were inducted into the FSR Hall of Fame as the 2022 honorees.

2022 FSR Hall of Fame Honorees



CHUCK GAMBLE, DeGraff

Chuck Gamble has a long-standing history with Farm Science Review and the College of Food, Agricultural, and Environmental Sciences as a whole. As a former student employee for FSR, OSU Extension Educator, FSR assistant manager and then manager of the show,

it is safe to say that Gamble has worn many hats in his 32 years of service to CFAES, OSU Extension and FSR. Gamble joins the list of inductees for his years of dedicated service to FSR and the show's overall growth and success. He and his wife, Diana, reside in DeGraff, Ohio.



BILL PHILLIPS, Hilliard

Bill Phillips, chief relationship officer for the Office of Technology and Digital Innovation at The Ohio State University, began his service to the show in 2010. Phillips is responsible for bringing internet to the Molly Caren Agricultural Center and serves CFAES by providing information technology to CFAES Wooster and Extension offices across the state. Phillips was inducted into the Hall of Fame for his part in bringing FSR into the 21st Century, leading the charge that brought working internet to the show. He and his wife, Cathy, reside in Hilliard, Ohio.



BOB ZACHRICH, Defiance

Bob Zachrich, owner of United Seed Associates, has served in many capacities at FSR throughout his 49 years as an exhibitor at the show. As the owner of his own business, he generously donated seed for years to the show to be used for field

demonstrations and has been a large promoter of the show to his customers. Zachrich joins the Hall of Fame inductees for his generosity and active participation in the show for the past five decades. He and his wife, Connie, reside in Defiance, Ohio.



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AGRONOMIC CROPS TEAM

(Agronomy Plots, just inside the exhibit area between gates B and C)

The OSU Extension Agronomic Crops Team provides timely information to corn, soybean, wheat, and forage producers all year long. One tool the team uses is the weekly C.O.R.N. Newsletter at agcrops.osu.edu. At the Farm Science Review, we provide an overview of the work we do throughout the state through small plot demonstrations. Ohio State University staff members will be in the plot area each day to visit with farmers and consultants about agronomic issues and solutions.

Beyond showcasing research being conducted at OSU you will be able to view our 60 years of progress displays. In these displays, we will have tractors that could have been at the first Farm Science Review. We will also have a display showcasing how planter technology has progressed over the last 60 years. Other displays will show how application technology has changed over the last 60 years and the importance of doing a good job of rinsing your sprayer between crops. There is a very exciting display just inside gate C that will help you diagnose soil-born soybean diseases such as SCN, Charcoal Rot, SCN, and Rhizoctonia. We will also have an interactive soybean insect scouting and weed identification area. As part of the plots, we will have a scavenger hunt to help you explore the plots with a prize at the end.

Be sure to stop by the tent and learn about the resources we have available. While in the tent you can view agronomy publications that Ohio State has produced over the last 60 years. Just as FSR has showcased the latest equipment available for your operation. OSU research has helped you tackle many challenges over the last 60 years. Stop by and visit with Ohio's agronomy Extension educators throughout the show.

WATER QUALITY

The CFAES Water Quality Initiative uses science, innovation, partnership, and education to improve Ohio's water quality. Stop by the Agronomic Crops area to learn more about how our water quality Extension associates are engaging farmers in new production strategies, technologies, and best management practices to improve fertilizer use efficiency and farm profitability while promoting soil health and reducing nutrient and sediment losses within the western Lake Erie basin. Share your thoughts on water quality and your priorities for applied on-farm research with our team.

AGRICULTURAL SAFETY AND HEALTH

AGRICULTURAL SAFETY (426 Friday Ave., along Kottman Street)

- Combine Fire Prevention
- Grain Bin Engulfment Rescue Systems
- Grain C.A.R.T. (Comprehensive Agricultural Rescue Trailer)
- · Grain Dust Simulator
- Rescue Demos

OHIO AGRABILITY (426 Friday Ave. on South side of lot)

- Productivity Tools: Interactive equipment and vendor exhibit for farming with a disability
- Peer Network Meetings: 1-2 p.m. daily
- · "AgrAbility Bus" Shuttle Service to Field Demos (pick up located at west end of Friday Avenue)
- Universal Design in the Garage or Farm Shop (McCormick Building on Friday Avenue)

ALUMNI AND FRIENDS OF CFAES AND OHIO 4-H TENT

(387 Friday Ave.)

Alumni and friends of Ohio 4-H and the College of Food, Agricultural, and Environmental Sciences are invited to stop in between exhibits to take a break with us, visit with fellow alumni, and enjoy bottled water and a treat.

ANIMAL HEALTH (426 Friday Ave., Ohio State Big Top) **COLLEGE OF VETERINARY MEDICINE**

- · Ask a Veterinarian
- Veterinary Extension
- Veterinary Medical Center Information
- Information for Prospective Students
- · Public Health

ASK THE EXPERT (426 Friday Ave.)

All "Ask the Expert" talks are 20 minutes long.

	Tuesday, September 20	
Time	Topic	Speaker
10:00–10:20 a.m.	Long Term Care: Are You Betting the Farm?	Robert Moore
10:20–10:40 a.m.	Boom or Bust: Where are Ohio Farms Financially?	Ani Katchova
10:40–11:00 a.m.	Good or Bad: Use of Antimicrobials in Dairy Cattle	Rafael Portillo-Gonzalez
11:00–11:20 a.m.	The Department of Agricultural, Environmental, and Developmental Economics Presents the Talk on Friday Avenue: Global Uncertainty and the Heartland	
Noon-12:20 p.m.	Farm Profitability Outlook with Projected Input Costs and Land Values	Barry Ward
12:20-12:40 p.m.	What's Happening to OTC Antibiotics?	Gustavo Schuenemann
12:40-1:00 p.m.	Agricultural Trade in the Shadow of the Russian Invasion of Ukraine	lan Sheldon
1:00-1:20 p.m.	Mitigating and Managing Landowner Liability	Peggy Hall
1:20-1:40 p.m.	Biosecurity: Managing Current Disease Challenges and Future Risks	Samantha Locke
1:40-2:00 p.m.	Managing Life When What You Normally Do Doesn't Work	Sarah Noggle
2:00-2:20 p.m.	Wet Springs and Dry Summers Make the Perfect Season, Right?!	Aaron Wilson
2:20-2:40 p.m.	Are my Livestock at Risk from the Asian Longhorn Tick?	Timothy McDermott
2:40-3:00 p.m.	How Does My Farm Compare to my Neighbors?	Clint Schroeder
	Wednesday, September 21	
Time	Торіс	Speaker
10:00–10:20 a.m.	Mitigating and Managing Landowner Liability	Peggy Hall
10:20-10:40 a.m.	Managing Life When What You Normally Do Doesn't Work	Sarah Noggle
10:40–11:00 a.m.	Will There be a Vet When My Animals Are Sick?	Rebecca Garabed
11:00–11:20 a.m.	Grain Marketing Outlook: Show Me the Money!	Seungki Lee
11:20–11:40 a.m.	Wet Springs and Dry Summers Make the Perfect Season, Right?!	Aaron Wilson
11:40 a.m.–Noon	What has CoVID-19 Taught us About Disease X?	Scott Kenney
Noon-12:20 p.m.	Dysfuctionality in Family Business Succession: Can we do Better?	David Marrison
12:20-12:40 p.m.	Agricultural Labor: Who will Work on my Farm?	Margaret Jodlowski
12:40-1:00 p.m.	What's Happening to OTC Antibiotics?	Gustavo Schuenemann
1:00-1:20 p.m.	Farm Profitability Outlook with Projected Input Costs and Land Values	Barry Ward
1:20-1:40 p.m.	Farm Safety is No Accident: Steps to Reduce Accidental Injury	Dee Jepsen
1:40-2:00 p.m.	Long Term Care: Are You Betting the Farm?	Robert Moore
2:00-2:20 p.m.	Preserving Cattle Value from Farm to Market	Steven Boyles
2:20-2:40 p.m.	Improving Soil Health: Is it Worth It?	Rachel Cochran
2:40-3:00 p.m.	How to Maximize Income from Timber Sales	David Apsley
	Thursday, September 22	
Time	Торіс	Speaker
10:00–10:20 a.m.	Farm Profitability Outlook with Projected Input Costs and Land Values	Barry Ward
10:20–10:40 a.m.	Carbon Credit Programs: Opportunity or Hype?	Mike Estadt
10:40–11:00 a.m.	Will There be a Vet When My Animals Are Sick?	Rebecca Garabed
11:00–11:20 a.m.	OSU Extension Farm Management Personnel: Ready to Work for You!	Sam Custer
11:20–11:40 a.m.	Dysfuctionality in Family Business Succession: Can we do Better? David Marrison	
11:40 a.m.–Noon	Agricultural Labor: Who will Work on my Farm? Margaret Jodlowski	
Noon-12:20 p.m.	Long Term Care: Are You Betting the Farm? **Robert Moore**	
12:20–12:40 p.m.	Mitigating and Managing Landowner Liability Peggy Hall	
12:40-1:00 p.m.	Grain Marketing Outlook: Show Me the Money!	Seungki Lee
1:00–1:20 p.m.	Tips and Strategies to Better Recordkeeping	Bruce Clevenger
1:20-1:40 p.m.	Wet Springs and Dry Summers Make the Perfect Season, Right?!	Aaron Wilson
1:40-2:00 p.m.	Starters, Sulfurs, Micros, and Biologicals: Do They Make Money?	Edwin Lentz

FARM OFFICE (384 Friday Ave., Firebaugh Building)

Find resources and visit with Extension professionals for information on agricultural law, farm management, weather and climate, and more.

- · Agricultural Law Bulletins
- · Farmland Owner's Solar Leasing Guide
- · Planning for the Future of Your Farm Resources
- Ohio Cropland Values and Cash Rents
- · Crop Enterprise Budgets
- · Ohio Farm Custom Rates
- · Ohio Farm Business Summaries
- · Farm Tax Regulations



AG WEATHER AND CLIMATE

The State Climate Office of Ohio (SCOO) will answer all your weather and climate questions. Stop by and share your stories on how weather extremes have impacted your operations. We will provide a review of this year's growing season weather and other seasonal outlooks. Learn about FARM: Field Application Resource Monitor, a tool providing real-time and historical precipitation forecasts to help with your farm management. We will also have two weather stations set up this year (at the Small Farms Center and the Agronomic Crops Team plots) to see how weather information is collected. For more information on SCOO, check out climate.osu.edu.



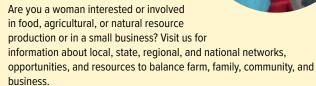
CARBON SEQUESTRATION AND CARBON MARKETS

One of the hottest topics in agriculture today is carbon sequestration and carbon markets. Carbon stored in the soil may soon become the newest commodity crop in agriculture. The idea is to farm in a manner that allow crops to capture carbon dioxide from the atmosphere and store it in the soil, thus reducing the amount of greenhouse gases contributing to atmospheric warming. New carbon markets are emerging that give farmers a financial incentive to store carbon. But before you sign a long-term commitment, you should do your homework. There are more questions than answers right now as to how these markets will function. Take some time at this year's Farm Science Review to learn more from CFAES experts in soil science, forestry, and agricultural law before you sign on the bottom line.

OSU EXTENSION RESOURCES

Visit us to learn how to access OSU Extension expertise and resources, including offices, publications, and fact sheets.

OHIO WOMEN IN AGRICULTURE



Stop by for Kitchen Table Conversations at 11:30 a.m. each day (topics to be announced): Located just outside the north side of the Firebaugh or virtually. For virtual option you must register at https://go.osu.edu/202 2fsrkitchentableconversation.



NEW! BUG MOBILE

(426 Friday Ave., East end of lot)

Brought to you by the OSU Department of Entomology, the Bug Zoo brings a variety of insects to the public via the Bug Mobile, showcasing a live arthropod collection devoted to education and outreach.

CAREER EXPLORATION FAIR

(Tobin Building, 1011 Beef St)

Wednesday, Sept. 22, 10 a.m. to noon

Visit with companies about employment or how to educate or train to become employees in agricultural businesses. This collaboration between the Ohio Agribusiness Association and The Ohio State University is open to all ages, from youth to professionals seeking a career change.

CHAINSAW DEMONSTRATIONS

(239 Farm Ave., Lawrence G. Vance Soil & Water Conservation Park)

- Chainsaw Maintenance, Sharpening and Safety Demos
- Chainsaw Cutting Techniques Demonstrations

GLOBAL RELATIONS

Learn about food and food production around the world with members of the Joint Council of Extension Professionals' Global Relations Committee.

GWYNNE CONSERVATION AREA

(see schedule in center of program)

The Gwynne is a 67-acre conservation area that offers programs, exhibits, demos, talks, and guided tours during the three days of FSR. Catch a shuttle bus to the Gwynne at the west end of Friday Avenue. Shuttles run each day 9:30 a.m. to 3:30 p.m.



HOME, HEALTH, AND WELLNESS

(389 Friday Ave., McCormick Building)

- AgrAbility Universal Design garage
- · Madison County Public Health District
- OSU/CSU/FCS Extension Health Education College of Nursing: Health screenings 10:00 a.m. to 2:00 p.m. daily College of Pharmacy: Medication and Vaccine Education OSU Extension: Food Safety and Preservation Education
- · OSU Extension Family and Consumer Sciences
- OSU James Cancer Hospital: Skin Cancer Screening and Cancer Prevention (located just west of the McCormick Building)
- OSU Wexner Medical Center: Vaccine Education and COVID Vaccines
- · State Fire Marshall: Safety house exhibit
- Universal Design exhibit: Tours 9:00 a.m. to 3:00 p.m. daily

LIVESTOCK EDUCATION CORRAL

WE'VE MOVED! (Just south of the OSU Agronomy Display, East End)

Showcasing new livestock technologies and education.

1 p.m. daily: Fencing demonstrations presented by Kencove, Gallagher, and Stay Tuff fencing

NUTRIENT MANAGEMENT

WE'VE MOVED! (Just south of the OSU Agronomy Display, East End)

Visit us to learn about how to better utilize manure nutrients, how to side-dress corn with liquid manure, how to top-dress wheat with liquid manure, and how many tons per acre your manure spreader applies.



NEW! OHIO 4-H MOBILE DESIGN LAB

(426 Friday Ave.)

Ohio 4-H is showcasing how youth can use technology in their new Mobile Design Lab

PESTICIDE EDUCATION

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Check out a 60' spray boom with pulse width modulation technology and see it in action.

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SMALL FARMS CENTER

(155 Beef St., corner of Corn Avenue and Beef Street)

NEW! Visit the New & Beginning Farmer help desk and talk with OSU Extension professionals and representatives from USDA.

Time	Tuesday, September 20	Wednesday, September 21	Thursday, September 22
10:00 a.m.		Health Considerations for the Small Sheep & Goat Operations Campbell	Does Your Bee Hive Have Good Genes? Wallace CSU
10:30 a.m.	Long Cane Raspberry Production Gao, Slaughter		Exploring Weather Observations & Equipment Options for the Small Farm Wilson
11:00 a.m.		USDA Programs for Beginning Farmers Leber and others	
11:30 a.m.	Sweet Corn Production for the Small Farm Beers		Garlic Production Wiseman
12:00 p.m.	Beef Cattle Genetics for the Small Farm Ruff	Making Hay on Your Small Farm Beers, Corboy, Wiseman	Home Processing of Food Animals Garcia, Knipe
12:30 p.m.			Developing Successful SARE Grant Proposals <i>Mills Wasniak</i>
1:00 p.m.	Do's and Don'ts of Livestock Fencing Wiseman	Raising Livestock on Five Acres or Less Smith	Using EPD's and Genomic Testing for the Small Beef Herd <i>Kreager</i>
1:30 p.m.			Using Caterpillar Tunnels for Season Extension <i>Walter CSU</i>
2:00 p.m.	Easiest Cut Flowers for Beginners Schirtzinger	What You Need to Know About Managing Lead in Soil <i>Rivera, Hattey</i>	



FARM STRESS AND MENTAL HEALTH RESOURCES

Moved to McCormick Building (426 Friday Ave., Ohio State Big Top)

When you live where you work, and work where you live, it all adds up to extra stress. Please stop by our booth to learn more about resources to add to your toolbelt to support a stress-less lifestyle. The resources are county and statewide. Our team also offers a variety of trainings that you may want to learn more about attending in the future on spotting when to seek support from someone.

SCIENCE AND TECHNOLOGY IN AG AND 4-H TENT

(426 Friday Ave., Ohio State Big Top)

Join the Ohio 4-H program and explore STEM (science, technology, engineering, and math) in agriculture through hands-on activities at the 4-H Ag STEM tent. Learn how your 4-H or FFA projects or favorite class in school are related to CFAES and a future career for you!

Hours: 8 a.m. to 5 p.m. Tuesday and Wednesday; 8 a.m. to 4 p.m. Thursday Hands-on activities: 9 a.m. to 2 p.m. each day



SPECIALTY CROPS

387 Friday Ave.

Stop by and learn about a variety of specialty crops, hops, fruits, vegetables, and flowers, hear daily talks from OSU faculty and staff, and check out the hops harvester.

TALK OF FRIDAY AVENUE®

(426 Friday Ave., "Ask the Expert" area, corner of Friday & Kottman)

Title: "Global Uncertainty and the Heartland" Tuesday, Sept. 21, 11 a.m. to Noon

A moderated panel discussion with Agricultural, Environmental, and Development Economics faculty professors from The Ohio State University.

OHIO YOUTH RESILIENCE COLLABORATIVE

(426 Friday Ave., Ohio State Big Top)

Promoting resilience and empowering youth, families, and communities. The Ohio Youth Resilience Collaborative (OYRC) supports counties across the state to implement evidence-based substance misuse prevention and mental health promotion programming. OYRC is a collaborative partnership with members from the College of Public Health; the College of Education and Human Ecology; and the College of Food, Agricultural, and Environmental Sciences, including OSU Extension. The collaborative partners with local schools, health departments, prevention coalitions, and community members in 15 counties to ensure that all communities have access to highquality, effective, and integrated prevention initiatives for students and families. Community support and engagement are vital to the success of the Ohio Youth Resilience Collaborative. Community teams in each of the counties work together to plan and implement prevention programming and events. To learn more about county-level programs and partners, visit u.osu.edu/ohioyrc/.

STAMP OUT DISEASE!

(426 Friday Ave., Ohio State Big Top)

Interactive, hands-on learning about diseases in animal agriculture. Play the "Stamp Out Disease" arcade game and learn facts about viruses, bacteria, vaccines, and disease risks around the home.

ESPECIALLY FOR TEENS AND KIDS!

FUTURE BUCKEYES: BE THE ONE!

COLLEGE OF FOOD, AGRICULTURAL, AND ENVIRONMENTAL SCIENCES

(383 Friday Ave., Bailey Building)

Stop by to meet with academic experts from the College of Food, Agricultural, and Environmental Sciences at the Columbus and Wooster campuses. Our building features information and activities from 9 a.m. to 3 p.m. each day. High school students will learn about our majors and career opportunities.

COLLEGE OF VETERINARY MEDICINE

(426 Friday Ave., Ohio State Big Top)

Stop by our tent to learn more about becoming a student in the College of Veterinary Medicine.

CENTRAL STATE UNIVERSITY

(1030 Beef St.)

Visit Central State University Extension for resources and information on land-grant research and extension programs.

UTZINGER MEMORIAL GARDEN

(near Friday Avenue and Market Street)

Presentations will take place in the gazebo. Master Gardener Volunteers will be available throughout the garden to answer gardening questions, and the "Ask a Master Gardener" online program will be on site with information. A variety of beekeeper associations will answer questions about how to become a beekeeper and will show some of the equipment needed to get started.



Time	Tuesday, September 20	Wednesday, September 21	Thursday, September 22
10:00 a.m.	A Complete Approach to Raised Bed Gardening Trevor Corboy	Native Trees for Large and Small Spaces Ann Chanon	Gardening as We Age: Ideas for Adapting Laura Akgerman
11:00 a.m.	Pumpkin Production and Pest management Jim Jasinski	Hop Nitrogen Management Brad Bergefurd	Prescription Nutrient Management of Specialty Crops Brad Bergefurd
Noon	Improving Tomato Fruit Quality with Cultural Management Techniques Dr. Rafiq Islam	Opportunities in Wine Grape Production in Ohio Dr. Gary Gao	Update of Key Findings from the Special Crop Listening Sessions in 2022 Dr. Guilherme Signorini
12:30 p.m.		Fungicides and Disease Control in Fruits and Vegetables Joe Wilson	
1:00 p.m.	Pollinators for Specialty Crops Dr. Jamie Strange	Herbicide Options for Fruits and Vegetables Joe Reed	Cooperative Marketing of Specialty Crops Hannah Scott
1:30 p.m.	Update on Spotted Lanternfly in Specialty Crops Dr. Ashley Leach	Elderberry Production in Ohio Ryan Slaughter,	
2:00 p.m.	Carbon Capture in Urban Landscapes Dr. Jeff Hattey	Poisonous Plants of the Garden and Landscape JT Benitez	Summer Bulbs: Why and How to Grow them Dr. Mimi Rose

IFARM IMMERSIVE THEATRE

(483 Land Ave.)

Visit the iFarm Immersive Theatre for an experience similar to an IMAX theater for viewing agriculture-based films. Topics include a ride on a crop duster applying fungicide, exploration of natural habitats, inside a beehive, an aerial tour of Ohio, multiple machinery demonstrations, and more! Visit the iFarm Immersive Theatre for a complete listing of films. The iFarm Immersive Theatre is brought to you by Nationwide, Ohio Farm Bureau, and OSU Extension.

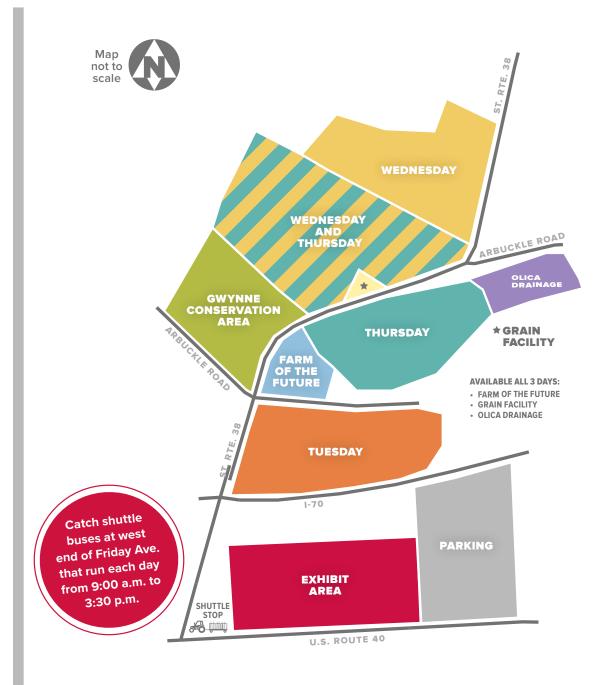


THE GWYNNE CONSERVATION AREA



Time	Forages and Grazing	Cabin	Wildlife and Aquatics	Woodland	
		Tuesday, Septem	ber 20		
10:30 a.m.		Implementing a Grazing Management Plan for Your Farm Richard Purdin Best Fish Species for Stocking Your Pond			
11:00 a.m.	Managing Pastures: Increased Production, Improved Soil Health Bob Hendershot	Dealing with Invasive (and Some Not Quite) Species in My Pond	Perry Orndorff	How When and Why to Sell Timber John Kehn	
11:30 a.m.	Grassland Ecosystems: Carbon Neutral Before it Became Cool Christine Gelley	Eugene Braig		Mushroom Mania: What's growing in your backyard and woods? Curtis Young	
Noon		Lunch Break	Lunch Break	Lunch Break	
12:30 p.m.		Carbon and Woodlands	Basics of Pond Aeration Perry Orndorff	Using Farm Bill Programs to Assist with Forest Management Stephanie Downs	
1:00 p.m.		Roger Williams	Responsible Recreation: The Ohio Clean Boater Program Sarah Orlando	Conifer ID: Is it Pine, Spruce, Fir or	
1:30 p.m.		The Concept of Cover: Managing	Formal Suring Damage and	something else? Curtis Young	
2:00 p.m.		Structure and Aquatic Plants in Ponds Eugene Braig	Dispase Threats Alan Weston		
	Wednesday, September 21				
10:30 a.m.		How to Determine the Value of Your	Coyote & Black Vulture		
11:00 a.m.	Re-Seeding Right of Ways for Pasture and Hay Production Dan Lima	Forest Land Andy Londo	Predation Management Thomas Butler		
11:30 a.m.	Grazing Native Warm Season Grasses Jason Jones	Growing with Pollinators to be Carbon Neutral Marci Lininger	Introduction to Fly Fishing and Fly Casting Central Ohio Fly Fishers	A Tick Talk, The state of ticks in Ohio Tim McDermott	
Noon		Lunch Break	Lunch Break	Lunch Break	
12:30 p.m.		Building Climate Resilience for	Biological and Water Quality		
1:00 p.m.		Farmers and Natural Resources Aaron Wilson	Monitoring in Ohio's Streams and Electrofishing Demonstration Ohio EPA	Bee Keeping on the Forest Edge Denise Natoli Brooks	
1:30 p.m.		Maple Sugaring in Changing Times Gabe Karns	Update on Bats Marne Titchenell	Conservation Tree Planting - Steps to Success Lenny Farlee	
2:00 p.m.		Gube kums		Success Lenny runee	
		Thursday, Septer	nber 22		
10:30 a.m.				Monarch Tagging Demonstration	
11:00 a.m.	How to Stockpile Forage for Winter Grazing Clint Finney	Spotting the Spot: Spotted Lantern Fly Update Amy Stone	Beginning Beekeeping: Caring for Your Bees in Year 1 Phil Hollingshead	Monarch Tagging Demonstration Hocking Soil and Water Conservation District	
11:30 a.m.		H2Ohio Opportunities in Ohio Emilee Hardesty	Ohio Snake ID Brian Hacket	Stewarding the Woods in Your Backyard Carrie Brown & Erika Lyon	
Noon		Lunch Break	Lunch Break	Lunch Break	
12:30 p.m.		Carbon Storage in Urban Soils to Improve Conservation and Climate Metrics Jeff Hattey	Attracting Wildlife to Your Property Brian Hacket	Invasive Species Update Amy Stone	

TROTTER FIELD DEMONSTRATIONS



Demonstration Times for Tuesday Through Thursday—Demos run 1 hour.

12:30 p.m.	Tillage, Planters, Strip-till, Nutrient Application Tillage, including Vertical Tillage, Ag Innovations
1:30 p.m.	Corn Harvest
2:00 p.m.	Soybean Harvest, Corn Stalk Shredding, Baling, Wrapping
All day	OLICA Field Drainage Installation