2021
FARM SCIENCE REVIEW

IF YOUR BUSINESS IS AGRICULTURE, OUR BUSINESS IS YOU.

SEPT. 21–23
MOLLY CAREN
AGRICULTURAL CENTER
LONDON, OH

CFAES

The Ohio State University
College of Food, Agricultural,
and Environmental Sciences

#FSR21 // fsr.osu.edu


A NEW REVELATION IN COVER CROP SEEDING

COVER CROP SEEDER FOR THE ROLLING HARROW®!

- Pull behind a lead tillage tool or by itself for faster planting of value-adding cover crops.
- Works the seed into the soil for a more consistent stand than traditional broadcasting.
- 40.5 cubic foot hopper capacity, standard roll-tarp, side-viewing windows and indicator lights.
- Hydraulic rate control requires 22 gpm flow and features in-cab shut off.
- Powered by a reliable air-delivery system that sends seed to the conically shaped deflectors for even seed distribution.

See us at the Ohio Farm Science Review, Booth 248

Fertilizer Application and Tillage Equipment

See us at the Ohio Farm Science Review, Booth 248

www.blu-jet.com
The **Raptor strip-tillage tool** features an innovative fold design for a narrow transport width and is available as a 16- or 12-row pull-type machine. Pull-type models can be integrated with a custom dry or liquid fertilizer system for applying nutrients in the row. 3-Point models are available as a 12-, 8- or 6-row machine with a heavy-duty toolbar. The ground-breaking TerrainPro row unit provides the most consistent tillage depth across the entire toolbar and is designed to work efficiently in varying soil conditions.

*LEARN MORE ABOUT THE RAPTOR STRIP-TILL TOOL.*

Visit [UMequip.com](http://UMequip.com) to learn more and locate your nearest dealer.
Welcome to the 2021 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 59th 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 offer the iFarm Immersive Theatre brought to you by Nationwide, Ohio Farm Bureau, and OSU Extension. Similar to an IMAX theater, this fully immersive dome utilizes 360-degree video for viewing agriculture-based films produced in-house by CFAES staff.

While research, teaching, and serving communities throughout Ohio never stopped during the pandemic, we are grateful to once again be in person, working together, to advance our industry. Farm Science Review is a critical component of our land-grant mission 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

Special thanks to Ag-Pro
FSR presenting sponsor and official equipment provider

Special thanks to John Deere
FSR presenting sponsor and official Gator provider
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. Jim Karcher, Gerald Reid, and Ken Ulrich were inducted into the FSR Hall of Fame as the 2021 honorees. The 2020 FSR Hall of Fame honorees, Dave Donohue and Mike Miller, were also honored at the August banquet with this year’s recipients.

2021 FSR Hall of Fame Honorees

**JIM KARCHER, Apple Creek**

Jim Karcher, former manager of grounds at CFAES Wooster, was selected as an inductee to the FSR Hall of Fame because of his many contributions to the show, including his work with the field demonstration group, an excellent demonstration of exhibitor relations, and an innovative approach to visitor safety. As a result of his knowledge and experience as grounds manager, Karcher was instrumental in the selection and procurement of landscape materials planted at the Molly Caren Agricultural Center for the annual farm show.

**GERALD REID, Wooster**

Gerald Reid, an Ohio State alumnus and former manager of farm operations at CFAES Wooster, began his service to the show in 1992, when he began assisting with the transportation group at FSR. He assumed the lead role for that group in 1996. In this role, Reid was instrumental in improving the safety of the shuttle bus system. As a result of the evaluation system he initiated and developed for the shuttle tractor drivers, the quality and ability level of that group continues to improve to this day.

Reid stepped down from his responsibilities at FSR after the 2016 show to assume the presidency of the national Research Center Administrators Society. Also, prior to retiring from Ohio State, he led the organic crops program at CFAES.

**KEN ULRICH, South Charleston**

Ken Ulrich, previously holding positions in poultry and feed mill sciences within CFAES, was a long-time employee of Farm Science Review, having greatly contributed to farm operations throughout the years. Ulrich joins the other Hall of Fame inductees because of his leadership as a mentor and role model for the many student employees who have benefited from his wisdom over the years. Known for his commitment and upbeat personality, Ulrich’s passion for working at the Molly Caren Agricultural Center and preparing for the show were evident in the many long hours he spent on the grounds.

2020 FSR Hall of Fame Honorees

**DAVE DONOHUE, Centerburg**

Dave Donohue was a champion for Farm Science Review throughout his career as national show manager for John Deere. He was instrumental in elevating the national recognition of FSR among the Farm Show Council, other major ag equipment manufacturers—such as Case IH, New Holland, and AGCO—and other exhibitors. Donohue maintained a close relationship with the show management team, providing his input, praises, and concerns from an exhibitor point of view to help better the show for everyone involved. Additionally, he initiated the agreement with Ag-Pro (formerly JD Equipment) in London that provides FSR with a continued supply of new and innovative agricultural and landscaping equipment to maintain the Molly Caren Agricultural Center and the show’s farming operation. Donohue’s ongoing support of Farm Science Review has played a pivotal role in making the show relevant year after year within the ag industry and to countless visitors.

**MIKE MILLER, London**

Mike Miller has been a longtime exhibitor and supporter of Farm Science Review in his role as president of MRC Sales and Service. Aside from donating countless hours of labor, his connections with industry vendors across the country have been invaluable to the FSR management team and have resulted in the procurement of special pricing and donations of equipment. Miller’s largest contributions to FSR, both literally and figuratively, have taken shape at the Molly Caren Agricultural Center’s grain facility, including the construction of a highly automated grain dryer, and then subsequent major renovations to the grain-handling and storage structures in 2014. Under Miller’s leadership, this project added 100,000 bushels of new grain storage and high-capacity equipment to accommodate FSR’s modern farm operations. Miller’s contributions to FSR continue to this day, as does his high regard in the millwright industry across the country. His willingness to always lend a helping hand at FSR, whether it’s after hours or during harvest, is critical to Farm Science Review’s successful farming operation.
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.

First, discover what compaction is costing your farm. Stop by and learn about pinch row compaction and management strategies. After that, move back through the plots and learn more about managing the challenges you may face with cover crop adoption, ranging from when to roller crimp cereal grains, to what species of cover crops survive under the corn canopy, to how to merge your residual herbicide program with cover cropping.

Slide over to the northeast side of the plots and learn more about both perennial and annual forage production. Then continue on to learn more about insect resistance in Bt corn and potential management practices for ear rot.

Finally, visit the soybean area highlighting management options for soybean cyst nematode and soybean aphid, along with considerations on soybean seeding populations.

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.

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)
• Ask a Veterinarian
• Veterinary Extension
• Veterinary Medical Center Information
• Information for Prospective Students
• Public Health
soybean seeding populations.
Finally, visit the soybean area highlighting management options for
cover cropping.

WATER QUALITY

2021 FARM SCIENCE REVIEW Exhibits and Events Sponsored by The Ohio State University

ASK THE EXPERT (426 Friday Ave.)

Tuesday, September 21

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Speaker</th>
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<tbody>
<tr>
<td>9:30–10:30 a.m.</td>
<td>The Talk on Friday Ave©—Carbon Markets: From All Sides Now</td>
<td>Brent Solignier, Peggy Hall, Luke Cunley, Jessica D’Ambrosio, Ian Sheldon</td>
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<tr>
<td>10:30–10:40 a.m.</td>
<td>Break to Reset Stage</td>
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<td>10:40–11:00 a.m.</td>
<td>Farming in the Rain, Drought, and In Between!</td>
<td>Aaron Wilson</td>
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<tr>
<td>11:00–11:20 a.m.</td>
<td>Dairy Farm Consolidation in the U.S.: Trends and Opportunities</td>
<td>Gustavo Schuenemann</td>
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<td>11:20–11:40 a.m.</td>
<td>Ag Trade and Policy: Who’s Buying and Who’s Selling</td>
<td>Ian Sheldon</td>
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<tr>
<td>11:40 a.m.–Noon</td>
<td>Are Our Farms Financially Secure?</td>
<td>Ani Katchova and Satharth Bora</td>
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<tr>
<td>Noon–12:20 p.m.</td>
<td>Farm Land Values and Land Rent: Show Me the Money</td>
<td>Barry Ward</td>
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<td>12:20–12:40 p.m.</td>
<td>Will My Taxes Increase Under the Biden Administration?</td>
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<td>Ohio Tree Laws: Don’t Get Lost in the Woods</td>
<td>Peggy Hall</td>
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<td>The Fauci Ouchie and Other New Vaccine Technologies</td>
<td>Scott Kenney</td>
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<td>Protecting Livestock From Toxins and Poisonous Plants</td>
<td>Jeff Lakritz</td>
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<td>1:40–2:00 p.m.</td>
<td>Farm Records: Do More Than a Tax Return</td>
<td>Bruce Cleverenger</td>
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<td>2:00–2:20 p.m.</td>
<td>Carbon 101: Soils</td>
<td>Mike Estadt</td>
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<td>Ohio Corn and Soybean Production and Profitability in 2020</td>
<td>Dianne Shoemaker</td>
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<td>2:40–3:00 p.m.</td>
<td>Health Considerations of Crossbreeding Dairy Cows With Beef Bulls</td>
<td>Gustavo Schuenemann</td>
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Wednesday, September 22

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<tr>
<td>10:00–10:20 a.m.</td>
<td>How to Lose Money When Transporting and Handling Beef Cattle</td>
<td>Steve Boyles</td>
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<td>10:20–10:40 a.m.</td>
<td>What Ohio Farmers Need to Know About Ticks and Tick-Borne Diseases</td>
<td>Samantha Swisher</td>
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<td>10:40–11:00 a.m.</td>
<td>Top Backyard Poultry Diseases</td>
<td>Timothy McDermott</td>
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<td>Ohio Sales Tax Exemption: Are You Eligible?</td>
<td>Jeff Lewis</td>
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<td>Starters, Sulfur, Micros, and Biologicals: Are They Worth the Input Cost?</td>
<td>Ed Lentz</td>
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<td>1:40–2:00 p.m.</td>
<td>Secret Ingredients for NextGen Farmers: Health Insurance and Child Care</td>
<td>Shoshannah Inwood</td>
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<td>2:00–2:20 p.m.</td>
<td>Bury Seeds, Not Stress</td>
<td>Bridget Britton</td>
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<td>Farm Animal Welfare: Audit and Assessment Programs in the U.S.</td>
<td>Jess Pempek</td>
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<td>What’s in Your Foreign Animal Disease Preparedness Toolkit?</td>
<td>Aminata Kalley</td>
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<td>10:20–10:40 a.m.</td>
<td>Breeding for Mite-Resistant Honey Bee Stocks</td>
<td>Hongmei Li-Byarlay</td>
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<td>Will Death Destroy Your Farm and Family?</td>
<td>David Marrison</td>
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2021 FARM SCIENCE REVIEW

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.

Carbon Markets and Ohio Agriculture: Supporting our Farmers
Wednesday, Sept. 22, 9–9:45 a.m.
Panelists: Rattan Lal (CFAES School of Environment and Natural Resources, 2020 World Food Prize laureate), Ohio Soybean Council, Ohio Corn & Wheat, Ohio Farm Bureau, Ohio Dairy Producers Association, The Nature Conservancy (Ohio Chapter) ... and more!

Soil Organic Matter and Carbon Sequestration: The Rundown
Thursday, Sept. 23, 9–9:45 a.m.
Panelists: Brian Slater and Leonardo Deiss (CFAES School of Environment and Natural Resources)

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

Are you a woman interested or involved in food, agricultural, or natural resource production or in a small business? Visit us for information about local, state, regional, and national networks, opportunities, and resources to balance farm, family, community, and business.

Stop by for Kitchen Table Conversations at 11:30 a.m. each day:
- Tuesday: Women and Land Ownership
- Wednesday: Planning for the Family’s Future
- Thursday: Farm Chores for Children

Register at go.osu.edu/kitchenetableconversations2021
RT Track Loaders feature pilot joystick controls with the exclusive IdealTrax™ automatic track tensioning system and the IdealAccess™ fold-up door. For more info visit:

GEL.com /equipment/track-loaders
2021 FARM SCIENCE REVIEW

CAREER EXPLORATION FAIR
(Celebration Tent near Gate I)

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.

ENERGY TENT
(426 Friday Ave., Ohio State Big Top)

As agricultural operations have become more sophisticated and automated, the electrical demands of many farms have increased, requiring enhanced needs for high-quality electric to power equipment. The Energy Tent illustrates ways in which farmers can reduce energy usage, lower energy cost, and learn about ways to produce their own renewable energy.

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.

LIVESTOCK EDUCATION CORRAL
(495 Beef St.)

Visit with Ohio State University researchers and Extension educators for information on beef quality assurance, transport quality assurance, hay storage demonstration, forage quality, custom processing information, and livestock educational resources.

NUTRIENT MANAGEMENT
(495 Beef St.)

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.

PESTICIDE AND FERTILIZER APPLICATOR EXHIBIT
(1005 Beef St.)

Learn to keep pesticides on target with the latest spray drift technology. Find out more about Ohio pesticide laws, as well as agricultural nutrient laws, and speak with experts about recordkeeping, personal protective equipment, and storage requirements. Need pesticide or fertilizer recertification credits? We can help!

MENTAL HEALTH RESOURCES
(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 in order 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.
### SMALL FARMS CENTER

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

Sponsored by the Ohio State Sustainable Agriculture Team, the Small Farms Center provides information to smaller-acreage farming operations. In addition to scheduled talks, poster displays are available on many topics relevant to small farm businesses.

### SMALL FARMS CENTER – TENT

**Sponsored by: Ohio State Sustainable Agriculture Team**

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| 10:00 a.m.    | Beef Cattle Management: Maximizing Herd Potential  
Garth Ruff  
55 minutes | Constructing and Implementing a Grazing Management Plan for Your Farm  
Richard Purdin  
30 minutes | Secrets to Obtaining a SARE Grant for Your Farm  
Mike Hogan  
30 minutes |
| 11:00 a.m.    | Raising Miniature Cattle  
Greg Meyer  
30 minutes | Main Concepts to Home Processing of Food Animals  
Lyda Garcia & Curtis Knipe  
55 minutes | Synchronized Small Ruminant Reproduction & Grazing Rotations  
Christine Gelley & Brady Campbell  
55 minutes |
| Noon          | Small-Scale Swine Production: Pasture Pork Style  
Tony Nye  
55 minutes | Discovering Beginning Farmer Opportunities: Part 1  
Kurt Leber (USDA)  
55 minutes | Climate Change Vulnerability on the Farm  
Aaron Wilson  
55 minutes |
| 1:00 p.m.     | Organic Grain Basics: Transition, Cover Crops, & Crop Rotation  
Julia Barton & Alan Sundermeier  
55 minutes | Discovering Beginning Farmer Opportunities: Part 2  
Doug Deardorff (USDA)  
55 minutes | Weeds, Trees, and Fences: Oh My!  
Peggy Hall  
55 minutes |
| 2:00 p.m.     | Want to Sell Meat? Know the Law First  
Peggy Hall  
55 minutes | Transportation and Bruising (Livestock)  
Stephen Boyles  
55 minutes | An Introduction to Agroforestry Practices  
Adam Regula & Marc Amante  
30 minutes |

### SMALL FARMS CENTER – BUILDING

**Sponsored by: Ohio State Sustainable Agriculture Team**

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| 10:30 a.m.    | Youth Cooperative Leadership Experience: First Steps  
Joy Bauman  
30 minutes | Industrial Hemp for Fiber Production: Research Updates  
Lee Beers  
30 minutes | Ohio AgrAbility: Body Mechanics and 10 Tips for Safe Lifting  
Dee Jepsen & Laura Akgerman  
30 minutes |
| 11:30 a.m.    | Overwintering Cool-Season Vegetables Using Low Tunnels  
Logan Walter  
30 minutes | The Dos and Don’ts of Fencing  
Ted Wiseman  
30 minutes | Bury Seeds, Not Stress  
Bridget Britton, Sarah Noggle, & Ken Martin  
30 minutes |
| 12:30 p.m.    | Developing a Niche for Your Small Farm Operation  
Michelle Wallace  
55 minutes | Artificial Insemination for the Small Beef Herd  
Dean Kreager  
30 minutes | No-Till Market Gardening  
Dana Hillinger  
55 minutes |
| 1:30 p.m.     | Intensive Urban Cut Flower Production  
Jacqueline Kowalski  
30 minutes | Small Farm Tax Management  
David Morrison  
30 minutes | The Government Is Actually Here to Help!  
David Morrison, Tony Nye, Mike Hogan  
30 minutes |
| 2:30 p.m.     | What Are Nutrition Incentives and Should I Be Accepting Them  
Christie Welch, Hallie Williams, Amanda Osborne, Anna Adams  
30 minutes | Accessing Farmland  
Suzanne Mills-Wasniaik  
30 minutes | So, You Are Interested in Goat Production?  
Trevor Corboy  
30 minutes |
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

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.

TALK OF FRIDAY AVENUE®
(426 Friday Ave., Ohio State Big Top, Ask the Expert Tent)

Title: “Carbon Markets: From All Sides Now”
Tuesday, Sept. 21, 9:30 to 10:30 a.m.
Panelists: Ian Sheldon (moderator), Luke Crumley, Jessica D’Ambrosio, Peggy Hall, Brent Sohngen

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 high-quality, 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/

CENTRAL STATE UNIVERSITY
(Lot 599, Corner of Soybean Avenue and Beef Street)

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

iFARM IMMERSIVE THEATRE
(483 Land Ave.) NEW!

New for the 2021 Farm Science Review is the iFarm Immersive Theatre! 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.
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.

<table>
<thead>
<tr>
<th>Time</th>
<th>Tuesday, September 21</th>
<th>Wednesday, September 22</th>
<th>Thursday, September 23</th>
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<tbody>
<tr>
<td>9:00 a.m.</td>
<td>Top-Performing Annuals for Your Garden Pam Bennett</td>
<td>Let’s Build a Soil Profile and Then Eat It! Gigi Neal</td>
<td>Fall-Planted Cut Flowers Jacqueline Kowalski</td>
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<td>10:00 a.m.</td>
<td>Soils 101 and Soil Fertility Richard Purdin</td>
<td>Gardening with Arthritis or Other Limitations Laura Akgerman</td>
<td>6 Budget-Friendly Fall Activities to Do With Youth Jacqueline Kowalski</td>
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<tr>
<td>11:00 a.m.</td>
<td>Soil Health Smarts for the Everyday Gardener Heather Neikirk</td>
<td>Shrub Selection for Year-Round Beauty Ann Chanon</td>
<td>Building Soil Carbon for the Backyard Garden and Home Landscape Heather Neikirk</td>
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<tr>
<td>Noon</td>
<td>Perennials with High Impact and Low Maintenance Pam Bennett</td>
<td>Bury Seeds, Not Stress Bridget Britton</td>
<td>The ABCs of Invasive Species Amy Stone</td>
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<td>1:00 p.m.</td>
<td>Selecting Ornamental Grasses for Ohio Gardens Beth Scheckelhott</td>
<td>Gardening With Gourmet Mushrooms Erica Lyon</td>
<td>Fruit Diseases in Your Garden Melanie Ivey</td>
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<td>2:00 p.m.</td>
<td>Growing Garlic in the Home Garden J.T. Benitez</td>
<td>Managing Your Lawn to Reduce the Need for Chemicals Greg Meyer</td>
<td>Benefits of Mental Health and Gardening Bridget Britton</td>
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<td>3:00 p.m.</td>
<td>Growing Ethnic Specialty Crops Margaret Rivera</td>
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FARM SCIENCE REVIEW LIVE!
(483 Land Ave.) NEW!

New for 2021 is a live broadcast of multiple programs and events throughout the show. Farm Science Review Live! will allow you to tune in from your farm, office, or cell phone wherever you are.

Scan the QR code to subscribe, and watch live broadcasts of programs, field demonstrations, and events throughout the show. Additional programs will be released throughout the year. You can also watch Farm Science Review Live! content by visiting go.osu.edu/FarmScienceReviewLive.
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<td><a href="http://www.crary.com">www.crary.com</a></td>
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<td>Crazy Tile Pro Tile Plows &amp; Stringers</td>
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<td>Decatur, IL</td>
<td><a href="http://www.cropriskservices.com">www.cropriskservices.com</a></td>
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<td><a href="http://www.croppcareequipment.com">www.croppcareequipment.com</a></td>
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<td>Crown Royal Stoves/Greentech Mfg</td>
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<td>Cummings &amp; Bricker Inc</td>
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<td><a href="http://www.cummingsandbricker.com">www.cummingsandbricker.com</a></td>
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<td>Custer Products Ltd</td>
<td>Massillon, OH</td>
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<td>Custom Agri Systems Inc</td>
<td>Upper Sandusky, OH</td>
<td>casindustries.com</td>
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<td>Jamestown, OH</td>
<td>cctrailers.com</td>
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<td>Centre Hall, PA</td>
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<td>Dairy Farmers of America</td>
<td>Medina, OH</td>
<td><a href="http://www.dairyfarmers.com">www.dairyfarmers.com</a></td>
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<td>Dakota Micro</td>
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<td>Dalton Ag</td>
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<td>Dan Bogden Plumbing &amp; Heating</td>
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<td>David Campbell Insurance Agency</td>
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<td>Dayton Tool Crib</td>
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<td><a href="http://www.daytontoolcrib.com">www.daytontoolcrib.com</a></td>
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<td>Deer Creek Lodge</td>
<td>TentBooth52 Land Ave</td>
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Degelman Industries
Hillsboro, ND
www.degelman.com
287 Farm Ave

Delmhorst Testers
502 Land Ave

Delux Dryers
943 Wool Ave

Demco
Boyden, IA
www.demco-products.com
101 Conservation Ave

DeWalt
27 Conservation Ave
1119 Friday Ave

Diamond H Resources
445 Friday Ave

Diamond Mower
180 Corn Ave

DICKEY-john
589 Soybean Ave

Digi Star
Soybean Ave, lots 589, 600

DigiFarm VBN
Monticello, IA
https://digifarm.com/
513Booth3 Land Ave

Dohrmann Applicators
502 Land Ave

Doosan
902 Wool Ave

Douglas Plant Health
984 Wool Ave

Drag Hose
695 Swine Ave

Drago Corn Heads
Fenton, IA
www.dragotec.com
352 Farm Ave

Drone
658 Swine Ave

DumperDogg
731 Swine Ave

Duo Lift Manufacturing
185 Corn Ave
260 Equipment Ave

E

E. Rissler Mixers
714 Swine Ave

E-Z-GO
163 Corn Ave
1212 Conservation Ave

Earth & Sky Solutions/Red Dragon
White Hall, VA
www.earthandskysolutions.com
513Booth25 Land Ave

East Central Marketing Inc
Greentown, IN
185 Corn Ave

East Manufacturing Company
614 Soybean Ave

Eastern American Aberdeen Association
745 Wool Ave

EasyFix
766 Wool Ave

Easyway Cattle Oilers
600 Soybean Ave

Ebberts Field Seeds
Covington, OH
www.ebbertsseeds.com
139 Corn Ave

Ebberts Field Seeds Inc.
110 Conservation Ave

EBY Trailers/M H Eby Inc
West Jefferson, OH
www.mheby.com
519 Land Ave

Ecolab
412 Friday Ave

EcoLawn
501 Land Ave

Eiko
TentBooth66 Land Ave

Elgin Service Center - K Buildings
Venedocia, OH
www.kbuildings.com
340 Farm Ave

Elliott Manufacturing
589 Soybean Ave

Emax
928 Wool Ave

Embassy of the Czech Republic
Washington, DC
www.mzv.cz/washington
299 Farm Ave

Enduraplas Tanks
71 Conservation Ave

Energrow
766 Wool Ave

Enerpac
27 Conservation Ave

Engine Pump Units
695 Swine Ave

Entrematic HVLS fans
513Booth34 Land Ave

Continued on FSR20

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<th>Company Name</th>
<th>Location</th>
<th>Address</th>
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<tr>
<td>Green Field Ag</td>
<td>Gibsonburg, OH</td>
<td><a href="http://www.greenfieldag.com">www.greenfieldag.com</a> 394 Friday Ave</td>
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<tr>
<td>Green Leaf</td>
<td>668 Swine Ave</td>
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<tr>
<td>Green Lighting Wholesale</td>
<td>Gahanna, OH</td>
<td><a href="http://www.greenlightingwholesale.com">www.greenlightingwholesale.com</a> TentBooth66 Land Ave</td>
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<tr>
<td>Grove Engineered Products</td>
<td>Columbus Grove, OH</td>
<td>grooveengineeredproducts.com 17 Conservation Ave</td>
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<tr>
<td>H G Violet Equipment</td>
<td>Dephos, OH</td>
<td>hviolet.com</td>
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<tr>
<td>H &amp; S Manufacturing</td>
<td>Marshfield, WI</td>
<td><a href="http://www.hsmfpco.com">www.hsmfpco.com</a> 336 Farm Ave</td>
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<tr>
<td>H &amp; S</td>
<td>945 Wool Ave</td>
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<td>HCC Products</td>
<td>581 Soybean Ave</td>
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<td>Hagedorn Spreaders</td>
<td>122 Corn Ave</td>
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<td>Hagie</td>
<td>1033 Beef St</td>
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<td>HAGIE</td>
<td>173 Equipment Ave</td>
<td>1272</td>
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<tr>
<td>Halderman Farm Management</td>
<td>Wabash, IN</td>
<td><a href="http://www.halderman.com">www.halderman.com</a> 635Booth31 Swine Ave</td>
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<tr>
<td>Hamilton Equipment Inc</td>
<td>Ephrata, PA</td>
<td><a href="http://www.haminc.com">www.haminc.com</a> 1031 Beef St</td>
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<tr>
<td>Hamilton Tanks LLC</td>
<td>Columbus, OH</td>
<td><a href="http://www.hamiltonanks.com">www.hamiltonanks.com</a> 996 Wool Ave</td>
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<tr>
<td>Hampsell</td>
<td>555 Soybean Ave</td>
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<td>HANDI-KLASP</td>
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<td>HARDI North America</td>
<td>Davenport, IA</td>
<td>80 Conservation Ave</td>
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<tr>
<td>Harold’s Equipment Inc</td>
<td>Dundee, OH</td>
<td><a href="http://www.haroldsequipment.com">www.haroldsequipment.com</a> 657 Swine Ave</td>
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<td>Harold’s Equipment Inc/Homan Inc</td>
<td>Dundee, OH</td>
<td>gea.com</td>
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<td>Harvest International Inc</td>
<td>Storm Lake, IA</td>
<td><a href="http://www.harvest-international.com">www.harvest-international.com</a> 199 Equipment Ave</td>
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<td>Harvest International</td>
<td>237 Equipment Ave</td>
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<td>Hatfield Bin Service</td>
<td>Arcanum, OH</td>
<td><a href="http://www.hatfieldbinservice.com">www.hatfieldbinservice.com</a> 943 Wool Ave</td>
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<td>Haviland Drainage</td>
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<td><a href="http://www.haviland-drainage.com">www.haviland-drainage.com</a> 630 Soybean Ave</td>
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<td>Health Plan Network</td>
<td>Urbana, OH</td>
<td>TentBooth58 Land Ave</td>
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<td>Heartland Bank</td>
<td>Whitehall, OH</td>
<td><a href="http://www.heartland.bank">www.heartland.bank</a> 586 Soybean Ave</td>
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<tr>
<td>HeatmasterSS/Steeltech Inc</td>
<td>Winkler, MB, MB</td>
<td><a href="http://www.Heatmasterss.com">www.Heatmasterss.com</a> 40 Conservation Ave</td>
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<td>Herb Pro Equipment</td>
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<td>Heritage Cooperative</td>
<td>Delaware, OH</td>
<td><a href="http://www.heritagecooperative.com">www.heritagecooperative.com</a> 1008, 364</td>
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<td>Heritage Country Store</td>
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<td>Herschel Adams</td>
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<td>Herschel Parts</td>
<td>Indiana, IA</td>
<td><a href="http://www.herschelparts.com">www.herschelparts.com</a> 104 Conservation Ave</td>
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<td>Hershey Machine LLC</td>
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<td>Highland Livestock Supply Ltd</td>
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<td>Highline</td>
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<td><a href="http://www.hintonapiaries.net">www.hintonapiaries.net</a> 953 Wool Ave</td>
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<td>Holmes Lumber</td>
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<td>Homan Inc</td>
<td>Maria Stein, OH</td>
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<td>Honeyville Metal Inc</td>
<td>Topeka, IN</td>
<td><a href="http://www.honeyvillemetal.com">www.honeyvillemetal.com</a> 145 Corn Ave</td>
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<td>Gingerich Clean Burn Inc</td>
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<td><a href="http://www.gingerichcleanburn.com">www.gingerichcleanburn.com</a> 727 Swine Ave</td>
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<td>Golden Hills Sales</td>
<td>St Marys, OH</td>
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<td><a href="http://www.greatohiolodges.com">www.greatohiolodges.com</a> TentBooth52 Land Ave</td>
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<td>Great Plains Mfg</td>
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<td>Great Plains Mfg</td>
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<td>Green &amp; Sons Limited</td>
<td>Mount Sterling, OH</td>
<td><a href="http://www.greenandsons.com">www.greenandsons.com</a> 288 Farm Ave</td>
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<td>Johnns Manville</td>
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<td>Isuzu</td>
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<td>631 Soybean Ave</td>
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<th>J &amp; M</th>
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<td>665 Swine Ave</td>
<td>Kx7 Concaves</td>
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| J&D Manufacturing      | K E Rose Company Ltd |
| 766 Wool Ave           | Dayton, OH |
| J.D. Thompson Construction | www.keroose.com |
| 660 Swine Ave          | 538 Land Ave |

| J&M Manufacturing Co Inc | K-Tec/Ashland |
| Fort Recovery, OH       | Ashland, WI |
| 83 Conservation Ave     | ashlandind.com |

| JCB                    | 98 Conservation Ave |
| 334, 338 Farm Ave       | KF Seed |
| Jacto                  | 502 Land Ave |
| 501 Land Ave           | KG Agri Products Inc (KAPI) |
| Jamesway               | Marysville, OH |
| 766 Wool Ave           | kgagriproducts.com |
| Jaylor                 | 916 Wool Ave |
| 945 Wool Ave           | KSI |
| Jeff Martin Auctioneers Inc | Cissna Park, IL |
| Brooklyn, MS           | www.ksiedge.com |
| 513Booth6 Land Ave     | 111 Conservation Ave |

| Jeff’s Jerky           | Kaffenbarger Truck Equipment Co |
| Vincent, OH            | New Carlisle, OH |
| 29 Conservation Ave    | www.kaffenbarger.com |
| Jet Company            | 629 Soybean Ave |
| Humboldt, IA           | Kale Marketing Inc |
| www.jetcompany.com      | Richwood, OH |
| 770 Wool Ave           | kalemktg.com |
| Jobox Storage & Safety | 260 Equipment Ave |
| 1119 Friday Ave        | 772 Wool Ave |

| John Blue              | Krabill Construction |
| 260 Equipment Ave      | 660 Swine Ave |
| 475 Land Ave           | Krone |
| 668 Swine Ave          | 945 Wool Ave |

| John Deere             | Krone North America |
| Olathe, KS             | Olive Branch, MS |
| 173 Equipment Ave      | 280 Equipment Ave |
| 1272                   | Kross Wholesale Tire Co Inc |

| Innovative Tile Probes & Cutters | Kubota |
| 710 Swine Ave                   | 288 Farm Ave |

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Hughes Equipment LLC  521 Land Ave  Mount Vernon, OH  www.hughes-equipment.com

Hunter  619 Soybean Ave  Husqvarna  288 Farm Ave

Hustler Turf Equipment/BigDog Mower  Hebron, KS  www.hustlerturf.com  584 Soybean Ave

Hutchinson  596 Soybean Ave  Hutchinson  699 Swine Ave

Hutchinson/ Mayrath  182 Corn Ave  728 Swine Ave

HYDRAMAXX  473 Land Ave

Hydra-Pull Spreaders  354 Farm Ave

Hydra-Ram Spreaders  354 Farm Ave

HydroTek Systems Inc.  964 Wool Ave

Hypro Pumps  668 Swine Ave

IBC Technologies  969 Wool Ave

ICON Construction Equipment  257 Equipment Ave

IFA Roller Grinder  714 Swine Ave

IHC Collectors - Chapter 6  South Charleston, OH  ihc-oh6.com  1228 Corn Ave

IMO Agri Systems  Ossian, IN  www.imoagrisystems.com  714 Swine Ave

Iconic Metal Gear  769 Wool Ave

Indiana/Ohio Agri Service  Van Wert, OH  635Booth1 Swine Ave

Ingersoll Rand  51 Conservation Ave  919 Wool Ave  928 Wool Ave

Innovative Tile Probes & Cutters  710 Swine Ave

Keeton Seed Firmer  581 Soybean Ave  Kelly  766 Wool Ave

Kencove Farm Fence Supplies  Blairsville, PA  www.kencove.com  965 Wool Ave

Kenworth of Columbus  Hilliard, OH  www.hissongroup.com  608 Soybean Ave

Kenworth of Dayton - Palmer Trucks  Dayton, OH  https://www.palmertrucks.com/  11 Conservation Ave

Kersawh knives  932 Wool Ave

KIDD  1031 Beef St

Kill Bros  157 Corn Ave  248 Equipment Ave

Kingfisher Seeds  556 Soybean Ave

Kinze Mfg  665 Swine Ave

KIOTI Tractor Division  Wendell, NC  www.kioti.com  449 Land Ave

Kivi Fence  965 Wool Ave

Knapheide Manufacturing  628 Soybean Ave  629 Soybean Ave

Koenig Equipment Inc  Botkins, OH  koenigequipment.com  1033 Beef St

Koepke Insurance Agency  TentBooth102 Land Ave

Kondex  536 Land Ave

Kondex KX7 Concaves  772 Wool Ave

Krabill Construction  660 Swine Ave

Krone  945 Wool Ave

Krone North America  Olive Branch, MS  www.krone-na.com  280 Equipment Ave

Kross Wholesale Tire Co Inc  38 Conservation Ave

Kubota  288 Farm Ave
A SAFE PLACE

Why is “Engineered” Important?

An engineered pole barn is designed to meet all building requirements and load specifications designated for the area the building will be located. At Lester, we take pride that from the roof trusses and purlins all the way down to the foundation, every component that makes up an engineered pole barn is constructed to meet or exceed those requirements and specifications.

In the photo below, a competitor building (1) with an attached Lester addition (2) only suffers damage on the competitor portion of the building while the Lester section remains untouched after a derecho hit Iowa in August 2020.
Loftness US Attachments
185 Corn Ave

Louisiana Grill
650 Swine Ave

M.H. Eby Inc
1 Conservation Ave

M-tech
932 Wool Ave

MAC Trailer Manufacturing
Alliance, OH
www.mactrailer.com
103 Conservation Ave

MFT
740 Wool Ave

MHP Grill
650 Swine Ave

MMTS
OCJBuilandingBooth3 Corn Ave

MWE
Columbus, OH
mvesales.com
151 Corn Ave

MacDon Inc.
Kansas City, MO
www.macdon.com
390 Friday Ave

MachineryTrader
635Booth21 Swine Ave

Mad Dog Foam Bridges
929 Wool Ave

Magulac Tire
25 Conservation Ave

Mahindra
157 Corn Ave

Mainline Hose
695 Swine Ave

Manitou
227 Equipment Ave

Marathon Pipe Line LLC
Findlay, OH
513Booth5 Land Ave

Marcrest Mfg.
332 Farm Ave

Martin
665 Swine Ave

Martin Industries
772 Wool Ave

Martin Planter Attachments
581 Soybean Ave

Martin TILL
Elkton, KY
www.martintill.com
137 Corn Ave

Martin TILL
71 Conservation Ave
237 Equipment Ave

Martin Truck Bodies
687 Swine Ave

Maschio
194 Corn Ave

Maschio Gaspardo North America Inc
445 Friday Ave

Massey-Harris Ferguson Club of Ohio
Pickerington, OH
1208 Conservation Ave

Mast Farm Service
Walnut Creek, OH
684 Swine Ave

Masters Choice
983 Wool Ave

Mathews Co.
596 Soybean Ave

Mathews Company
Crystal Lake, IL
www.mathewscompany.com
724 Swine Ave

Mauer
101 Conservation Ave

Maverick Tile Finder
710 Swine Ave

Max Guard
364 Farm Ave
1008 Beef St

Maxlactor
182 Corn Ave

Maxlite
TentBooth66 Land Ave

Mayhew Punch & Chisel
919 Wool Ave

Mayrath
157 Corn Ave

McArthur Lumber & Post
McArthur, OH
totalfarmandfence.com
967 Wool Ave

McBurney's Livestock Equipment
New Castle, KY
www.cattleeq.com
960 Wool Ave

McCormick Tractors
445 Friday Ave

McFarlane
157 Corn Ave
182 Corn Ave

McHale, Teagle, Tubeline
603 Soybean Ave

McKee
Groveport, OH
www.mckeedoor.com
513Booth34 Land Ave

Meg-Mo Systems
Sterling, IL
www.meg-mo.com
513Booth7 Land Ave

Meridian Manufacturing Group
317 Farm Ave

Meristem Crop Performance
362 Farm Ave

Meyer
596 Soybean Ave

Meyer Energy Miser Tower Grain Dryer
638 Soybean Ave

Meyers Manufacturing Corporation
Dorchester, WI
www.meyer.com
356 Farm Ave

Michelin Ag
25 Conservation Ave

Micro Drainage Concepts
67 Conservation Ave

Micro Trak
589 Soybean Ave

Micro-Mower
617 Soybean Ave

Micro-Trak Systems Inc
Eagle Lake, MN
www.micro-trak.com
TentBooth30 Land Ave

Mid America Trenchers LLC
Dexter, IA
buckeyetrenchers.com
674 Swine Ave

Mid-America Glove Company LLC
Holcomb, MO
midamericaglove.com
997 Wool Ave

Midway Trailer Sales
107 Conservation Ave

Mighty Tire
Canton, OH
25 Conservation Ave

Millner-Haufen Tool Co.
Nashville, TN
www.millnertools.com
TentBooth14 Land Ave

Milton
919 Wool Ave

Milwaukee Electric
928 Wool Ave

Milwaukee Tools
27 Conservation Ave
919 Wool Ave
1119 Friday Ave

Minnesota Pneumatic Products
Monticello, MN
109 Conservation Ave

Miraco Livestock Waterers
555 Soybean Ave
987 Wool Ave
989 Wool Ave

Mirafount
766 Wool Ave

Mitas Ag
25 Conservation Ave

Mi-T-M
659 Swine Ave
964 Wool Ave

Mix Mill
714 Swine Ave

Mohawk Lumber
Canton, OH
www.mohawklumber.com
756 Wool Ave

Mohican Lodge
TentBooth52 Land Ave

Monosem Inc.
922 Wool Ave

Montana Post Driver
8 Conservation Ave

Montezume Toolboxes
581 Soybean Ave

Monty’s Plant Food Company Inc
Louisville, KY
www.montysplantfood.com
513Booth18 Land Ave

Moore’s Farm Toys
Dresden, OH
www.moorefarmtoys.com
740 Wool Ave

Moritz
95 Conservation Ave
107 Conservation Ave

Moritz International Inc
Mansfield, OH
www.moritzint.com
41 Conservation Ave

Morning Ag Clips
Greenwich, NY
635Booth18 Swine Ave

Morton Buildings Inc
Morton, IL
www.mortonbuildings.com
516 Land Ave

MoTrim Inc
Cambridge, OH
www.motrtrim.net
553 Soybean Ave

Multipack D14
459 Land Ave

Murphy Tractor & Equipment
Park City, KS
murphytractor.com
180 Corn Ave

Mustang by Manitou
227 Equipment Ave

N-SITE
772 Wool Ave

NBI Natural Fertilizer
502 Land Ave

FSR24 FARM SCIENCE REVIEW
Because the smallest details can make the biggest difference

Ohio’s Premier Post Frame Supplier

 Holmes Lumber

The Lumberyard For Professionals

Five Ohio Locations Specializing in Post Frame

Michigan
Indiana
Ohio
Penn. Millersburg (Headquarters) 800-321-7670
Cleveland
Dover 330-343-7737
West Virginia
Tobacco
Sugarcreek 800-852-4611
Cincinnati

Marion 740-382-5729
Lancaster · 740-654-7611

Ohio’s Premier Post Frame Supplier

Our Name Says It All

See us under the cupola at booth #775 Wool Ave

Continued on FSR26
Peak Forage Solutions Inc
Hollandale, WI
peakforage.com
690 Swine Ave

Pearson Livestock Equipment
960 Wool Ave

Penta
1033 Beef St

Penta TMR Mixer
122 Corn Ave

Pequa
194 Corn Ave

Performance Feed
364 Farm Ave
1008 Beef St

Personal Crop Insurance LLC
Warsaw, IN
TentBooth68 Land Ave

Pik Rite Inc
Lewisburg, PA
www.pikrite.com
354 Farm Ave

Pik Rite
1033 Beef St

Pink Tractor
982 Wool Ave

Pioneer
Johnston, IA
https://www.pioneer.com/us
447 Friday Ave

Piqua Materials Inc
Piqua, OH
jrjnet.com
TentBooth6 Land Ave

Plant Food
OCJBuildingBooth3 Corn Ave

Plow
473 Land Ave

Poettinger
664 Swine Ave

Poettinger US Inc
Valparaiso, IN
www.poettinger.us
623 Soybean Ave

Polar Furnace
541 Land Ave

Poly Cupped Flighting
743 Wool Ave

Poly Tech
Monticello, GA
Polyskid.com
939 Wool Ave

Port Industries
Palmyra, MO
Portindustries.com
473 Land Ave

Portable Seed Auger
743 Wool Ave

Portage and Main Boilers
541 Land Ave

Power Equipment Distributors Inc.
Richmond, MI
http://www.powereqp.com
499 Land Ave

Power Equipment Solutions
Vandalia, Ohio, OH
www.powerequipmentsolutions.com
163 Corn Ave

Power Team SPX
1119 Friday Ave

Powerlift Doors by Mast Farm Service
694 Swine Ave

Powerlift Doors Great Lakes
340 Farm Ave

PowerPure LLC
Mentor, OH
www.powerpurellc.com
TentBooth18 Land Ave

Precision Ag
658 Swine Ave

Precision Agri Services Inc
Minster, OH
www.precisionagriservices.com
361 Farm Ave

Precision Mfg Inc
935 Wool Ave

Precision Planter Solutions
581 Soybean Ave

Precision Planting LLC
Tremont, IL
www.precisionplanting.com
275 Equipment Ave

Precision Planting
237 Equipment Ave
581 Soybean Ave
772 Wool Ave

Premier Attachments
Fort Wayne, IN
Premierattach.com
927 Wool Ave

Premier Augers
8 Conservation Ave

Prenger’s Inc
Maria Stein, OH
www.prengersinc.com
412 Friday Ave

Prescription Tillage Technology
Red Oak, IA
6 Conservation Ave

Priefert
Mount Pleasant, TX
www.priefert.com
990 Wool Ave

Priefert Cattle Equip
987 Wool Ave

Continued on FSR28
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<thead>
<tr>
<th>Company</th>
<th>Address</th>
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<td>RVUniverse</td>
<td>635Booth21 Swine Ave</td>
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<td>Radiantcraft Inc</td>
<td>Roanoke, IN</td>
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<td>Rainbow Industries Inc</td>
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<td><a href="http://www.rainbowindustries.com">www.rainbowindustries.com</a></td>
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<td>Ram Commercial</td>
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<td>Ransom Ventures LLC</td>
<td>New Bloomington, OH</td>
<td>Ransomventuresllc.com</td>
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<td>Rantizo</td>
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<td><a href="http://www.rantizo.com">www.rantizo.com</a></td>
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<td>Raven</td>
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<td>Ray-Man</td>
<td>475 Land Ave</td>
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<td>Reading Truck Bodies</td>
<td>538 Land Ave</td>
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<tr>
<td>Real Estate &amp; Auction Services</td>
<td>Croton, OH</td>
<td>njrealestateandauction.com</td>
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<td>Sch Electric</td>
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<td>Shearwater</td>
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<td>Salford Group</td>
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<td><a href="http://www.salfordgroup.com">www.salfordgroup.com</a></td>
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<td>Reinstein</td>
<td>611 2nd Ave</td>
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<td>Reinke</td>
<td>Deshler, NE</td>
<td><a href="http://www.reinke.com">www.reinke.com</a></td>
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<td>Reisell's Machine Works</td>
<td>Radnor, OH</td>
<td>769 Wool Ave</td>
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<td>Remlinger</td>
<td>665 Swine Ave</td>
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<td>Remlinger Manufacturing Company</td>
<td>Kalida, OH</td>
<td><a href="http://www.remlinger.com">www.remlinger.com</a></td>
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<td>TentBooth</td>
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<td>TentBooth37 Land Ave</td>
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<td>Quality Craft Tools</td>
<td>Hillsboro, OH</td>
<td>qualitycrafttools.com</td>
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<td>QUANTUM Controller</td>
<td>51 Conservation Ave</td>
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<td>Quick Attach</td>
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<td>R D Holder Oil Company</td>
<td>New Carlisle, OH</td>
<td>holderoil.com</td>
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<td>R E Skillings Supplies Inc</td>
<td>New Carlisle, OH</td>
<td>reskillings.com</td>
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<td>R L Parsons &amp; Son Equipment Company</td>
<td>West Jefferson, OH</td>
<td><a href="http://www.tomfordcenter.com">www.tomfordcenter.com</a></td>
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<tr>
<td>RCIS Crop Insurance</td>
<td>Anoka, MN</td>
<td><a href="http://www.rcis.com">www.rcis.com</a></td>
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<td>RRR Tire</td>
<td>25 Conservation Ave</td>
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<td>Rovex</td>
<td>1101 2nd Ave</td>
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<td>Rocky &amp; Georgia Boots</td>
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<td>Rodoc Leasing Sales &amp; Service</td>
<td>Delphos, OH</td>
<td><a href="http://www.rodoc.com">www.rodoc.com</a></td>
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<td>Rogers Grain Inc.</td>
<td>Covington, OH</td>
<td><a href="http://www.rogersgrain.com">www.rogersgrain.com</a></td>
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<td>RossTech Electronics</td>
<td>St. Laurent, QC</td>
<td>rosetech.com</td>
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<td>Royal Baffle</td>
<td>513 Booth2 Land Ave</td>
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<td>Rural Equipment</td>
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<td>Ruff's Seed Farms Inc</td>
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<td><a href="http://www.ruffseedfarms.com">www.ruffseedfarms.com</a></td>
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<td>Rush Truck Centers of Ohio</td>
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<td>Salford Group</td>
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<td><a href="http://www.salfordgroup.com">www.salfordgroup.com</a></td>
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<tr>
<td>S &amp; F Tool</td>
<td>1001 1st Ave</td>
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<td>S-K</td>
<td>919 Wool Ave</td>
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<td>S&amp;W knives</td>
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<td>S.I. Distributing</td>
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<td>SCH EASY CUT II</td>
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<td>SK Hand Tool</td>
<td>928 Wool Ave</td>
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<td>SPNC Soil &amp; Plant</td>
<td>502 Land Ave</td>
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<td>Safe and Sound Outfitters</td>
<td>New Carlisle, OH</td>
<td>99 Conservation Ave</td>
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<td>Salford</td>
<td>665 Swine Ave</td>
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<td>Salt</td>
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<td>Saltman</td>
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<td>Salford Group</td>
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<td><a href="http://www.salfordgroup.com">www.salfordgroup.com</a></td>
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<td>Sanborn</td>
<td>619 Swine Ave</td>
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<td>Sartorius</td>
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<td>Saint Regis Paper</td>
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Continued on FSR30
Todd Schaeffer Equipment LLC  
Marion, OH  
www.tsequip.com  
710 Swine Ave

Tommy Gate Liftgates  
538 Land Ave

Tomy  
740 Wool Ave

Top Air  
248 Equipment Ave

Topcon Agriculture  
589 Soybean Ave

Tornado Wire  
967 Wool Ave

Toro  
902 Wool Ave

Total  
359 Farm Ave

Track Handler Inc  
Spring Valley, OH  
66 Conservation Ave

Track Handler Inc  
66 Conservation Ave

Trackfarmer.com Inc  
Ann Arbor, MI  
Trackfarmer.com  
508 Land Ave

Traction Ag  
Auburn, IN  
www.tractionag.com  
635Booth25 Swine Ave

Traeger  
31 Conservation Ave

Trail Star  
107 Conservation Ave

Trailstar International  
Alliance, OH  
150 Corn Ave

Tree Shear  
722 Swine Ave

Tree Terminator  
722 Swine Ave

Trelleborg Ag  
25 Conservation Ave

Trencher  
473 Land Ave

Tri State Lightning Protection  
Ft Wayne, IN  
635Booth2 Swine Ave

Trical  
983 Wool Ave

Trimble  
237 Equipment Ave  
361 Farm Ave  
473 Land Ave  
589 Soybean Ave

Trioliet  
612 Soybean Ave  
657 Swine Ave

Trioliet B.V.  
Edwardsville, IL  
www.trioliet.com  
701 Swine Ave

TruckPaper  
635Booth21 Swine Ave

Tru-Test Inc.  
652 Swine Ave

U

U S Cargo  
1 Conservation Ave

UNOH  
Lima, OH  
www.unoh.com  
605 Soybean Ave

USC LLC  
317 Farm Ave  
728 Swine Ave

U S Farmer - A Farms.com  
Company  
Neenah, GA  
513Booth28 Land Ave

Unified Ag Solutions  
Omaha, NE  
https://unifiedagsolutions.com/  
317 Farm Ave

United Abrasives/SAIT  
27 Conservation Ave

United Fire Group  
Cedar Rapids, IA  
www.ufginsurance.com  
513Booth24 Land Ave

United Producers Inc  
Columbus, OH  
www.uproducers.com  
752 Wool Ave

United Seed Associates  
Defiance, OH  
TentBooth26 Land Ave

University of Findlay  
Findlay, OH  
745 Wool Ave

Unverferth Mfg Co Inc  
Kalida, OH  
unverferth.com  
248 Equipment Ave

Continued on FSR32

THE ONE AND ONLY
BATWING®

WHEN YOU MEASURE
WORKLOAD IN ACREAGE,
THERE’S NO TIME TO LOSE.

Make quick work of the toughest jobs. The Batwing® Rotary Cutter’s patented driveline lift assistance makes hookups fast and easy. Rounded corners add increased maneuverability, and gearbox seal technology practically eliminates leaks and downtime.

So, it’s always ready to work. Just like you.

FARM SCIENCE REVIEW  FSR31
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Fowler Seed Marketing 983
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Hayward Distributing formerly Ford
Heartland Ag. 586
John Deere 1272,173
New Holland 269
Ohio CAT 170
Precision Poly 109
Safari Gold 200
Tigerco Distributing Company Inc 781
Unfferth Mfg Co 524
Wenzinger Farms LLC 743
WMS 544

DAIRY, PRODUCTS & EQUIPMENT
American Equipment Service Inc JCB 334,338
Bauer Noth America 699
Best Livestock Equipment 551
Buscher Equipment 766
Carey Precast Concrete Company Inc 587
COBA/Select Sires Inc 554
Cummings & Bricker Inc 603
Dairy Farmers of America 398
Kritch Equipment Corporation 21
Golden Hills Sales 115
Green Lighting Wholesale 338Booth33
Homan Inc 612
Kencove Farm Fence Supplies 365
McBurney's Livestock Equipment 960
New Direction Equipment (NDEco) 523
Nutritional Blending Inc 502
OSU Buckeye Dairy Club 513
OSU College of Veterinary Medicine 471
OSU Food Science Club 474
Premier's Inc. 412
Progressive Dairy Systems LLC 122
RCIS Crop Insurance 528
Stein-Way Equipment 1003
Straight As Arena Inc 987
Trioliet B.V 701

ENGINEERING, LIGHTING & ACCESSORIES
AuctionTime.com/TractorHouse

FEED, FEEDING & FEED PROCESSING
American Equipment Service Inc JCB 334,338
Buscher Equipment 766
Carey Precast Concrete Company Inc 587
CLAS 587
Elgin Service Center - K Buildings 350
Forklift Tires (Nexite Tire) 950
Fritsch Equipment Corporation 21
Golden Hills Sales 115
Growers Mineral Solutions 765
H & S Manufacturing 336
Harold's Equipment Inc 657
Heritage Cooperative 1003,364
Homan Inc 612
IMO Ag Systems 714
Kanavah Seeds & Systems, Inc 498
Meyer Manufacturing Corporation 566
New Direction Equipment (NDEco) 523
Richfield Industries 1132,934
S I Feeders - Div of Schoessow 601
Straight As Arena Inc 987
Trioliet B.V 701

FENCING, PANELS AND GATES, POSTHOLLS & DRIVERS
AGI 1719
Apache Palen Henke Buffalo 749
Best Livestock Equipment 551
Cowan Inc 600
Fritsch Equipment Corporation 21
Gallagher North America Inc 566
Highland Livestock Supply, Ltd 652
Kencove Farm Fence Supplies 965
McArthur Lumber & Post 967
McBurney's Livestock Equipment 960
OK Farm Products 331
Pioneer Attachments 927
Priefert 990
SISCO 192
Stant Offense 743
Straight As Arena Inc 987
Worksaver, Inc 234

FERTILIZER, FERTILIZER APPLICATION EQUIPMENT, LIME SPREADERS, LIME PRODUCTS & SOIL ADDITIVES
Ag Leader Technology 904
Ag Nation Products 506
Ag Leader Technology 502
AgriSC/ Four Star 594
AgChem Company 662
AgSynergy, LLC 318
American Equipment Service Inc JCB 334,338
Bamberger Fertilizer & Seed 559
Bestway Ag 408
Blue Stone Solutions Ltd 110
Brandt Consolidated Inc 778
Buckeye Ag Supply 680
Buckeye Online Equipment Auctions 528

FLAME WEEDING, SANITATION
Earth & Sky Solutions / Red Dragon 513Booth25

FORAGE, HAY EQUIPMENT
Ag Express Electronics 589
Ag Nation Products 506
Ag-Pro Companies 89
American Equipment Service Inc JCB 334,338
Anderson Group 158
Apache Palen Henke Buffalo 749
Arcusin Corp 459
AuctionTime.com/TractorHouse 635Booth21
Belco Resources Equipment 992
Best Livestock Equipment 551
Bigbie Inc 8
Buckeye Farmers - GreenTract 684
Buckeye Online Equipment Auctions 528
Case IH 263
CHE Inc 445
CLAS 350
Cummings & Bricker Inc 603
Degelman Industries 287
East Central Marketing Inc 185
Fennig Equipment 71
Fertilizer Dealer Supply Inc 668
Flowers Farm Equipment Inc 332
Fowlers Seed Marketing 528
Growers Mineral Solutions 765
GVM Inc 475
Heritage Cooperative 1008,364
Herschel Parts 104
J&M Manufacturing Co. Inc 750
Kale Marketing Inc 260
Kuhn North America Inc 276
L & D Ag Service 528

John Deere 1272,173

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<td>Hamilton Tanks LLC</td>
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<td>Fuel Pro Trailers</td>
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<td>Crop Risk Services</td>
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<td>Ohio CAT</td>
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