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**AGRONOMIC CROPS TEAM IN THE FSR AGRONOMY PLOTS**

(Just inside the exhibit area between gates B and C)

The Agronomic Crops Team will be available each day to visit with corn, soybean, wheat, and forage producers. We will also have scheduled talks or brief “Walk and Talks” (between 9:00 a.m. and noon) to provide an overview of recommendations or questions we received throughout the year. **Topics include:** manure sidedress; history of corn; soil health; relay intercropping—wheat and soybeans; early maturing corn interests; barley evaluations; NDVI—getting to the right N rate; variable rate seeding soybeans; it’s just $5 (why apply a product that may not work, just because it’s $5/A?); cover crop choices and reasons; tile control structures; on-farm research (**CCAs** can also earn CEUs in SW, PM, CM, or NM for the “Walk and Talks.” Also look for CEUs at the Small Farms Center and the Gwynne). We will also have **door prizes**—hourly winners will receive our publications, and daily visitors can enter to win a Cabela’s cooler. **We will also be handing out the new Tri-State Fertilizer Recommendations.**

Available with each will be CCA CEUs, pesticide recertification credits, and fertilizer recertification credits.
AG SAFETY AND HEALTH
Agricultural Safety (Kottman St)
- Fall hazard training virtual reality experience
- Drop demonstration truck
- Fire extinguisher demonstrations
- Grain bin engulfment prevention systems
- Farm safety hazard hunt

Ohio AgrAbility (Land Ave)
- Ohio AgrAbility staff meet and greet
- National AgrAbility
- Breaking new ground/Purdue University
- Assistive technology used on the farm
- Student innovation projects
- Peer-to-peer program

ALUMNI AND FRIENDS TENT
College of Food, Agricultural, and Environmental Sciences (Beef St)
Alumni of the College of Food, Agricultural, and Environmental Sciences should stop in for a treat, a break, and a visit with fellow alums. 4-H alumni are also welcome!

ANIMAL HEALTH
College of Veterinary Medicine (426 Friday Ave)
- Ask a veterinarian
- Veterinary Medical Center information
- Information for prospective students
- Public health preparedness for infectious diseases

ASK THE EXPERT (426 Friday Ave)

<table>
<thead>
<tr>
<th>Time</th>
<th>Tuesday, September 18</th>
<th>Wednesday, September 19</th>
<th>Thursday, September 20</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:00 a.m.</td>
<td>Where Have All the Inputs Gone? 2017 Costs of Ohio Corn and Soybean Production</td>
<td>Farm Bill 2018: The Clock Is Ticking</td>
<td>Getting Rid of Farm Stress</td>
</tr>
<tr>
<td>10:20 a.m.</td>
<td>Ohio Cropland Values and Cash Rents</td>
<td>Estimated Profitability of 2018 Crops and Ohio Farm Custom Rates 2018</td>
<td>Estimated Profitability of 2018 Crops and Ohio Farm Custom Rates 2018</td>
</tr>
<tr>
<td>10:40 a.m.</td>
<td>Antibiotic Use in Animals—Does It Matter for Human Health?</td>
<td>Where Have All the Inputs Gone? 2017 Costs of Ohio Corn and Soybean Production</td>
<td>“Disease X” in Farm Animals</td>
</tr>
<tr>
<td>11:00 a.m.</td>
<td>Swine Influenza</td>
<td>Ohio Cropland Values and Cash Rents</td>
<td>Avian Influenza</td>
</tr>
<tr>
<td>11:20 a.m.</td>
<td>Getting Rid of Farm Stress</td>
<td>Ticks and Other Parasites</td>
<td>Commodity Markets—Today’s Yo-Yo</td>
</tr>
<tr>
<td>11:40 a.m.</td>
<td>Farm Estate Planning: Mistakes to Avoid</td>
<td>Public Health on Livestock Farms</td>
<td>Ohio Cropland Values and Cash Rents</td>
</tr>
<tr>
<td>Noon</td>
<td>Estimated Profitability of 2018 Crops and Ohio Farm Custom Rates 2018</td>
<td>Planning for a Career in Veterinary Medicine</td>
<td>Farm Bill 2018: The Clock Is Ticking</td>
</tr>
<tr>
<td>12:20 p.m.</td>
<td>Commodity Markets—Today’s Yo-Yo</td>
<td>Grain and Livestock Outlook</td>
<td>Where Have All the Inputs Gone? 2017 Costs of Ohio Corn and Soybean Production</td>
</tr>
<tr>
<td>1:00 p.m.</td>
<td>Farm Bill 2018: The Clock Is Ticking</td>
<td>Farm Estate Planning: Mistakes to Avoid</td>
<td>Working Capital on Farms: When Do I Panic?</td>
</tr>
<tr>
<td>1:20 p.m.</td>
<td>FieldWatch: Helping Each Other with Sensitive Crops</td>
<td>Drinking Raw Milk—What Is the Risk?</td>
<td>Antibiotic Use and Resistance</td>
</tr>
<tr>
<td>1:40 p.m.</td>
<td>Farmland Tax Projections: Will 2019 CAUV Values Continue to Decline?</td>
<td>Antibiotic Use in Animals—Does It Matter for Human Health?</td>
<td>Farm Estate Planning: Mistakes to Avoid</td>
</tr>
<tr>
<td>2:00 p.m.</td>
<td>Using Farm Audits and Assessments to Meet Consumer Expectations for Animal Welfare</td>
<td>Are We Financially Fit? Understanding Farm Income and Balance Sheet Forecasts</td>
<td>Diseases that Transmit from Animals to People or Vice Versa</td>
</tr>
<tr>
<td>2:20 p.m.</td>
<td>Are We Financially Fit? Understanding Farm Income and Balance Sheet Forecasts</td>
<td>Diseases that Transmit from Animals to People or Vice Versa</td>
<td></td>
</tr>
<tr>
<td>2:40 p.m.</td>
<td>Water Quality and Health on Livestock Farms</td>
<td>Farmland Tax Projections: Will 2019 CAUV Values Continue to Decline?</td>
<td></td>
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New this year to the Farm Science Review! Visit with Ohio State University researchers and Extension educators for information on beef quality assurance and livestock educational resources. Vendors will also be available to highlight the latest livestock handling equipment.

All “Ask the Expert” talks are 20 minutes long.
FARM OFFICE
(Firebaugh Building, 384 Friday Ave)
Visit with Extension professionals for information on agricultural law, farm management, and taxation to help you manage your farm office.

Ag Law and Ag Business
• Farm lease checklist
• Flying legal under the new drone laws
• Do’s and don’ts of dealing with trespassers

Ag Weather and Climate
Members of the State Climate Office of Ohio (SCOO) will be on hand to answer your weather and climate questions. We’ll provide a review of this year’s growing season weather and other seasonal outlooks. Sign up for FARM: Field Application Resource Monitor, a tool providing real-time and historical precipitation forecasts to help with your farm management. For more information on SCOO, check out climate.osu.edu.

Central State University
Specialists from Central State University Extension will answer questions and provide resources on upcoming events and ongoing programs.

Ohio Women in Agriculture
Are you a woman interested or involved in food, agricultural, or natural resource production or in a small business? Visit the Ohio Women in Agriculture display to find out information about local, state, regional, and national networks, opportunities, and resources to balance farm, family, community, and business.

OSU Extension Resources
Visit us to learn how to access OSU Extension expertise and resources.

Purdue University
Specialists from Purdue University’s College of Agriculture will answer questions, collaborate, and brainstorm new ways to improve your farm business.

Soil Health
Learn how a healthy soil can increase farm productivity while reducing environmental impacts and creating healthy food. Demonstrations will show how to measure soil health. Also, share your soil story with us in the “I Love Ohio Soil” display. #ILoveOhioSoil

Water Quality
CFAES Water Quality Initiative uses science, innovation, partnerships, and education to improve Ohio’s water quality. We are seeking input from stakeholders and Ohioans on the needs and priorities to improve Ohio’s water quality. Visit us to complete the survey.

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 Ave. Shuttles run each day from 9:30 a.m. to 3:30 p.m.

Home, Health, and Wellness
(McCormick Building, 389 Friday Ave)
College of Education and Human Ecology
OSU Extension Family and Consumer Sciences
• Universal Design exhibit—Tours 9:00 a.m. to 3:00 p.m. daily
• Madison Health: Health screenings—10:00 a.m. to 2:00 p.m. daily
• College of Nursing: Health screenings—10:00 a.m. to 2:00 p.m. daily
• AgrAbility Universal Design garage display
• Lowe’s Universal Design product display
• Madison County/London City Health District
• State Fire Marshal—Safety house exhibit
• Preventing opioid abuse: The 4-H medicine cabinet

I Love Ohio Soil
(Firebaugh Building, 384 Friday Ave AND Agronomy Plots, see page 8)
Tell your soil story at our interactive display. Post your love and appreciation with “Healthy Soil—Healthy Environment.” #ILoveOhioSoil

Initiative for Food and AgriCultural Transformation
(Utzinger Memorial Garden, near the McCormick Building)
This Ohio State University program is working to transform the way we grow, process, and distribute food by promoting vibrant, sustainable, and resilient agricultural landscapes that place food at the center of just and vital communities in Ohio and beyond. Stop by and Discover New Thought for Food!

OBIC Bioproducts Innovation Center
(Energy Tent, near the corner of Land Ave and Kottman St)
Think you know sustainability? Test your knowledge of bioproducts and solar energy with the most sustainable trivia show at FSR. Compete for prizes and top the leaderboard to become this year’s bio-champion.

Ohio Agriculture and the Current Policy Environment
Tuesday, September 18, 10:00 a.m. to 11:00 a.m.
(Tobin Building, corner of Soybean Ave and Beef St)
A panel presentation by faculty from the College of Food, Agricultural, and Environmental Sciences Department of Agricultural, Environmental, and Development Economics (AEDE).

Ohio Smart Agriculture: Solutions from the Land
Delivering Land-Based Solutions to 21st Century Challenges
Wednesday, September 19, 10:00 a.m.
(Tobin Building, corner of Soybean Ave and Beef St)
An interactive dialogue on Ohio Smart Agriculture: Solutions from the Land’s ACTION PLAN to help Ohio agriculture become more sustainable and relevant in addressing 21st century challenges.

Pesticide and Fertilizer Applicator Exhibit
(1005 Beef St)
Find out about Ohio’s Fertilizer Certification Law and why you need to be certified. Let us show you how to reduce drift with the latest spray technology. Talk with experts about pesticide training and record-keeping requirements, and learn how to apply chemicals safely and on target.
## 2018 FARM SCIENCE REVIEW  
Exhibits and Events Sponsored by The Ohio State University

### Restoration of Antique Tractors (Smith Farms Restoration)  
(Tobin Building, corner of Soybean Ave and Beef St)

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<tr>
<td>1:00 p.m.</td>
<td>Restoration Tips—The Basics</td>
<td>Cast Metal, Prep, Painting, and Paint Guns</td>
<td>Sheet Metal and Forming</td>
</tr>
</tbody>
</table>

### SMALL FARMS CENTER

#### Small Farms Center Tent  
(corner of Corn Ave and Beef St)

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<td>10:00 a.m.</td>
<td>Cover Crops—The Basics for New Growers SW 1/2</td>
<td>Small Farm Impacts from and Adaptations to Climate Change CM 1 55 minutes</td>
<td>Designing Accessible AgriTourism: Welcoming Visitors of All Abilities 55 minutes</td>
</tr>
<tr>
<td>11:00 a.m.</td>
<td>Commercial Hops and Barley Production in Ohio CM 1 55 minutes</td>
<td>GMOs and Gene Editing—Fact and Friction CM 1/2 30 minutes</td>
<td>When Tragedy Strikes on the Farm—Are You Prepared? 55 minutes</td>
</tr>
<tr>
<td>1:00 p.m.</td>
<td>Health and Disease Prevention on Cow—Calf Operations 30 or 55 minutes</td>
<td>Preventing Disease Transmission Between Pigs and People 55 minutes</td>
<td>Getting Into Beekeeping CM 1/2 30 minutes</td>
</tr>
<tr>
<td>2:00 p.m.</td>
<td>Navigating Farm Business Ventures 30–35 minutes</td>
<td>Zoonotic Diseases: Protecting Yourself from Your Animals 30 minutes</td>
<td>SARE Grant Program SW 1/2 30 minutes</td>
</tr>
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#### Small Farms Center Building  
(corner of Equipment Ave and Beef St)

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<td>10:30 a.m.</td>
<td>Small Farm Shepherd: Where Do You Start? 30 minutes</td>
<td>Diversification: Is It Something You Should Consider? 30 minutes</td>
<td>Nitrogen Management in Corn NM 1/2 30 minutes</td>
</tr>
<tr>
<td>11:30 a.m.</td>
<td>Six Profitable Cutflowers for Small-Scale Growers 30 minutes</td>
<td>Growing Blueberries, Blackberries, and Raspberries in Containers CM 1/2 30 or 55 minutes</td>
<td>Cut Garden Plantings 30 minutes</td>
</tr>
<tr>
<td>12:30 p.m.</td>
<td>Raising Dairy Goats—The Basic Q &amp; A 30 minutes</td>
<td>Raising Goats as an Enterprise 30 minutes</td>
<td>Food Safety Basics for Small Farms 55 minutes</td>
</tr>
<tr>
<td>1:30 p.m.</td>
<td>FSMA, GAPs, and Third-Party Audits: What’s the Difference and What Does My Farm Need? 30–55 minutes</td>
<td>Making Sense of the Produce Food Safety Alphabet Soup 55 minutes</td>
<td>Tweeting Isn’t Just Something the Birds Do! 30 minutes</td>
</tr>
<tr>
<td>2:30 p.m.</td>
<td>Home Butchering: Producing a Quality Product 30 minutes</td>
<td>Farmers’ Markets and Beyond: Marketing Local Food 30 minutes</td>
<td>Planting for Pollinators 30 minutes</td>
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### Solar Energy in Agriculture  
(Energy Tent, near the corner of Land Ave and Kottman St)

- Considerations for investing in photovoltaic solar systems
- Photovoltaic solar energy trends
- Questions to ask before investing in solar
- Solar electric investment analysis

### Turfgrass Plots  
(426 Friday Ave)

Talk with Ohio State University turf pathology experts about all of your turf needs. Look, touch, and walk on our turf show area for help choosing the right turf for your new lawn or renovation project. Find some help for that persistent problem you have been fighting in your yard. See an example of synthetic turf that’s being used at all levels of sports fields.
LAWN AND GARDEN

Master Gardener Volunteer Program
(Friday Ave between Kottman St and Market St)
- Information and gardening resources
- Learn about “Ask a Master Gardener”—Answers for your tough lawn and garden questions!
- Find out how you can become a Master Gardener Volunteer!

Utzinger Memorial Garden (near Friday Ave and Market St)
Presentations will take place in the gazebo, and Master Gardener Volunteers will be available throughout the garden to answer gardening questions. New this year: sunflowers and gourds, potted vines, patio, shade bed and pots, dwarf fruit trees, lavender bed in front of the Bailey Building, and root veggies in the raised garden, which promotes handicap accessibility. Ohio AgrAbility’s “Gardening through the Lifespan” signs are scattered throughout the garden, and have tips for gardening with a disability, arthritis, or other aches and pains that sneak up on us as we age. Also new this year are signs with tips for gardening with low vision or blindness. The West Central Ohio Beekeepers Association will answer questions about how to become a beekeeper and will show some of the equipment needed to get started. Visit us to pick up some gardening ideas, meet old friends, make new friends, and enjoy the Utzinger Memorial Garden!

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<td>10:00 a.m.</td>
<td>Gardening in Small Spaces</td>
<td>Lawn Care Basics</td>
<td>Beekepping Basics</td>
</tr>
<tr>
<td>11:00 a.m.</td>
<td>Gardening through the Lifespan</td>
<td>Wonderful Ohio Weeds?</td>
<td>Gardening through the Lifespan</td>
</tr>
<tr>
<td>Noon</td>
<td>Companion Planting</td>
<td>What Fruits Are Best for the Backyard?</td>
<td>Utilizing Small Trees and Shrubs in Your Landscape</td>
</tr>
<tr>
<td>1:00 p.m.</td>
<td>Purdue Soil Health Online Resources</td>
<td>Dazzling Dahlias</td>
<td>Attracting and Keeping Hummingbirds and Butterflies</td>
</tr>
<tr>
<td>2:00 p.m.</td>
<td>Chiggers, Mosquitoes, Ticks, and You</td>
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<td></td>
</tr>
<tr>
<td>3:00 p.m.</td>
<td>Simple Methods for Monitoring Soil in the Garden</td>
<td>The Basics of Beekeeping</td>
<td></td>
</tr>
</tbody>
</table>

ESPECIALLY FOR TEENS AND KIDS!

Future Buckeyes: Be the One!
College of Food, Agricultural, and Environmental Sciences
(Bailey Building, 383 Friday Ave)
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 9:00 a.m. to 3:00 p.m. each day. High school students will learn about our majors and career opportunities.

College of Veterinary Medicine
(426 Friday Ave)
Stop by our tent to learn more about becoming a student in the College of Veterinary Medicine.

Science and Technology in Ag and 4-H Tent
(426 Friday Ave)
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 project, or favorite class in school, is related to CFAES and a future career for you!

Hours: 8:00 a.m. to 5:00 p.m. Tuesday and Wednesday
8:00 a.m. to 4:00 p.m. Thursday

Hands-on activities: 9:00 a.m. to 2:00 p.m. each day

Stamp Out Disease!
(426 Friday Ave, STEM Tent)
Interactive, hands-on learning with diseases in animal agriculture. Play the “Stamp Out Disease” arcade game and learn about bacteria facts and disease risks around the home.