

COSHOCTON COUNTY AGRICULTURE & NATURAL RESOURCES



January 15, 2020 Issue

2020 Agronomy School - January 28
7th Annual East Ohio Women in Ag
Conference
Winter Beef Meetings
2020 Ag Outlook Meeting
Goals for Your Cow Herd in 2020
The Art and Science of Developing
Heifers
eFields Publication Released
Ohio Ag Law Blog—A Look Back:
Agricultural Law in 2019
Master Gardener Training Class
Upcoming Programs

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Hello Coshocton County! I cannot believe that January is already half over! We have been busy at OSU Extension developing our educational programs for you this winter. I hope to see many of you at these programs.

Our first pesticide and fertilizer re-certification session of the season will be held on February 4 and the registrations are rolling in for it. An additional session will be held locally on March 4.

Also, please remember the deadline for reservations for the January 28 Agronomy School are needed by next Wednesday, January 22. We have a great line-up of speakers for this event. Other events are in the works including more Farm Bill meetings are being scheduled across the region.

Finally, my mom is a faithful reader of our newsletter and I want to wish her a Happy 80th birthday! Happy Birthday Mom!

Hope you have a great week!

Sincerely,

David Marrison

Coshocton County OSU Extension ANR
Educator



THE OHIO STATE UNIVERSITY

COLLEGE OF FOOD, AGRICULTURAL,
AND ENVIRONMENTAL SCIENCES

CFAES provides research and related educational programs to clientele on a nondiscriminatory basis. For more information visit:
go.osu.edu/cfaesdiversity.

2020 Agronomy School Slated for January 28

The OSU Extension offices in Coshocton & Muskingum Counties are pleased to be offering the “**2020 Agronomy School**” on Tuesday, January 28, 2020 from 9:00 a.m. until 3:00 p.m. This school will be held at the Dresden United Methodist Church located at 1014 Main Street in Dresden. This school will focus on topics to increase corn profitability, improve grain crop nutrient management, and understand new trends in Ohio weather. Participants will also learn more about the farm bill, commodity prices, and trade issues.

David Marrison, Coshocton County ANR Educator, will kick off the meeting with a short Farm Bill Update. The passage of the 2018 Farm Bill means farmers are once again deciding which federal program to enroll their corn, soybean and wheat base acres before the March 15, 2020 enrollment deadline.

Aaron Wilson, Atmospheric Scientist from Ohio State’s Byrd Polar and Climate Research Center will also be on hand to talk about the weather. Our weather has been completely crazy the past few years with so many weather mood swings. At our school, Aaron will talk about weather patterns, climate and what to expect for the 2020 growing season.



2020 AGRONOMY SCHOOL

Thirdly, Coshocton has a vibrant livestock industry and when you have animals—that means you have manure. Additionally, phosphorus and the Lake Erie algae situation continues to be in the news. So, we are excited that Glen Arnold, OSU Extension Field Specialist for Nutrient Management will be on-hand to talk about nutrient management. Learn more about application rates, nutrient analysis, and phosphorus management.

Then back by popular demand, we are excited that Ben Brown, OSU Program Manager for Farm Management will be on hand to talk about the Commodity Markets. During the school, Ben will speak on the commodity markets and give us a 2020 marketing forecast. And of course, no commodity discussion would not be complete without an update on trade issues with China.

It was another solid year for corn yields in Coshocton County and we want to keep pushing farmers for even better yields. Also joining us at the Agronomy School will be Harold Watters, OSU Extension Agronomic Field Specialist. Attend and hear more about where Harold thinks we are going in corn production and learn more about getting the most out of your nitrogen dollar.

And to cap off the day, Clifton Martin, Muskingum County ANR Educator, will give a fertilizer certification update. So any farmer who has their fertilizer certification can get recertified by being at the agronomy school.

Pre-registration for this school is required and the fee is \$30 per person. Make checks payable to Ohio State University Muskingum County. Mail to 225 Underwood Street, Zanesville, OH 43701. The registration deadline is Wednesday, January 22, 2020. This fee includes refreshments, lunch, handouts, and a copy of Bulletin #969 – A Field Guide to Identifying Critical Resource Concerns and Best Management Practices. Pesticide and Certified Crop Advisor (CCA) credits have been applied for. More information can be found at muskingum.osu.edu/agronomyschool. More information can be obtained by contacting the Muskingum County Extension office at 740-454-0144.

OSU Extension to Host 7th Annual East Ohio Women in Ag Conference

Ohio State University (OSU) Extension, the outreach arm of the College of Food, Agricultural and Environmental Sciences (CFAES) will host the 7th Annual East Ohio Women in Agriculture Conference. This year's conference convenes on **Thursday, March 19** from 9:00 a.m. – 3:30 p.m. at the RG Drage Career Technical Center, 2800 Richville Drive SE in Massillon. All women and young women (high school age) who are interested, involved in, or want to become involved with food, agricultural, or natural resources production or small business are encouraged and welcomed to attend.

The conference program features an agency/vendor fair and eighteen educational breakout sessions presented by OSU Extension educators, producers and partner agencies. Sessions focus around five themes: Business & Finance, Plants & Animals, Communication, Home & Family and Special Interest (areas of specific interest to attendees). Farm and Dairy Editor, Rebecca Miller is the conference featured keynote speaker. Her presentation will engage and enlighten participants on "*Clinging to context in a noisy world: don't lose sight of your "why".*"

Interested individuals can register for the conference on-line at go.osu.edu/eowia2020. Cost of the conference is \$55 for adult participants and \$30 for students. Conference fee includes conference participation, continental breakfast, lunch and conference handouts. Deadline for registration is Thursday, March 12.

Registered participants, community organizations or businesses interested in sponsorships and/or securing an informational or vendor table can do so from the registration page or contact 1-614-292-2493 to obtain more information. A list of sponsorship opportunities is also available from the registration page.

Stay connected with the Ohio Women in Agriculture Learning Network on Facebook @OHwomeninag or subscribe to the Ohio Women in Agriculture blogsite at <http://u.osu.edu/ohwomeninag/>.

OSU Extension to Host Two Winter Beef Programs

Mark your calendars now for the Ohio Beef Cattle Nutrition and Management School, targeted for anyone raising, feeding, or marketing any class of beef cattle. Session 1 (6-9:00 p.m. January 29th at Luckey Farmers Inc. main office in Sandusky County, and January 30th at the OSU Newark Campus in Licking County) will feature former OSU research nutritionist and current University of Georgia Department of Animal Sciences Chair, Dr. Francis Fluharty discussing the use of small grains, by-product feeds, and cover crop forages in both feedlot and beef cow diets. Session 2 (February 12th in Sandusky County, and February 13th in Licking County, both 6-9:00 p.m.) will feature talks by OSU Extension Educators on marketing strategies, feeding and managing for carcass quality, forage testing, and managing annual forages for grazing and hay.

The Ohio State University Extension Beef Team also plans to hold a hands-on, Ohio Beef Cow/Calf workshop at the Claylick Run Farm Sale Facility outside of Newark, in Licking County. This workshop will be held from 10 a.m. – 2:00 p.m., including lunch, with 2 different sessions, January 30th, and February 13th. Session 1 will focus on alternative feeds and forages, and managing beef brood cow nutrition, with discussion led by Dr. Francis Fluharty. Session 2 will focus on herd health and reproduction with Dr. Les Anderson from the University of Kentucky and Dr. Foster Anderson with Bailey Veterinary Clinic, and will include live demonstrations from OSU Extension Beef Team members on body condition scoring, bull breeding soundness evaluation, and semen handling.

For more details and information, or to register, contact Allen Gahler in Sandusky County at 419-334-6340 or gahler.2@osu.edu, or Dean Kreager in Licking County at 740-670-5315, or Kreager.5@osu.edu.

2020 Ag Outlook Meeting

Wayne County Extension will be hosting a regional **2020 Ag Outlook Meeting** on Friday, January 24 at the Kidron Park Community Building at 4434 Kidron Rd, Kidron OH. The program begins at 9:00 am and concludes by 3:15 pm. Thanks to our sponsors, Farm Credit Mid-America, Farmers National Bank, Wayne Savings Community Bank and Farmers State Bank, many of the costs associated with facility rental, presenter

mileage fees and handout materials are covered, and the registration cost is only \$12/person. Pre-registration is required to the Wayne County Extension office by January 17 to enable us to get an accurate meal count and provide handout materials for all participants. Pre-register by calling the Wayne County Extension office at 330-264-8722 or by sending an email message to lewandowski.11@osu.edu. More information including a flyer with presenters and topics available at <https://wayne.osu.edu/program-areas/agriculture-and-natural-resources/2020-ag-outlook-meeting>

Goals for Your Cow Herd in 2020

By: Garth Ruff, OSU Extension Henry County

Source: <https://u.osu.edu/beef/2020/01/08/goals-for-your-cow-herd-in-2020/>

Each year I like to look evaluate any upcoming opportunities and set goals for the New Year in an effort to better myself both professionally and personally. I prefer to call them goals rather than New Years Resolutions because many people tend to let resolutions fall through the cracks. When developing goals, the key is to write them down! Call them whatever you want, in just a few minutes of looking back and reflecting on some observations made in the last year I was able to come up with a few goals focused on improving profitability and the quality of calves marketed in 2020.

Sharpen the Pencil. Do you have a projected budget for the year? How much does it *really* cost you to feed a cow for the year? Put together an enterprise budget to use as a decision making tool. There are many templates available online from various universities and institutions, chose one that's geographically relevant and considers the variables that affect your operation (find the OSU Farm Budgets [linked here](#)). Be realistic in valuing feed, labor, and livestock values. Knowing cost of production and breakeven points are useful in making cattle marketing decisions as well.



Improve Efficiency. Once you know your input costs, it becomes clearer as to where your operation is less efficient. Is there an area that needs more improvement than others? One of the best quotes I heard this past year was that “High return cow-calf producers do not sacrifice fertility, and fertility equals reproduction.” That said, look at improving factors that influence fertility; such as animal health (more on that later), nutrition, and genetics. Potential areas to focus on include; revamping rations of first calf heifers in order to improve conception and calving rates, or evaluating your herd’s mineral supplementation program.

Be Critical. This is an annual reminder to be critical of individual animal performance within the herd. Given the current shortage of quality forage, consider the cost of calving and keeping an under performing or an open cow for another year. Remember below average production and fertility can be culling criteria just like age, reduced mobility, poor udder confirmation, and temperament. Cow size is also overlooked when making culling decisions. From a pure feed cost standpoint, a under performing 1,600 pound cow cost significantly more to feed than a 1,300 pound cow.

Focus on Uniformity. You don’t have to spend much time at the local feeder cattle auction to see that there is a premium for group lots of uniform weight, frame, and genetics. This premium combined with management and reproductive advantages provide support for shorter breeding and calving seasons. Results from a CattleFax survey show that nearly half of “High Return” Producers have a calving interval of 45 days or less and the greater than 85 percent calve in a 60 day window or less.

Take Advantage of Your Veterinarian. In the age of Beef Quality Assurance, your vet should be more of an asset than ever. While having the vet out for a farm call is not always cost friendly (should be budgeted for based on herd history), every producer should be able to see positive returns from a quality Vet-Client-Patient-

Relationship. Utilize their services to develop and improve herd health plans, write SOP's for antibiotic use, vaccination protocols, identification and treatment of illness.

Be Flexible. I have written before about management practices that can be used situationally to provide management and economic advantages. In a year where there is a short supply of high-quality forage, early weaning maybe an option to reduce the nutrient demand of lactation. Supplementation of alternative feedstuffs and annual forages will be key in areas of Ohio and elsewhere that faced excessive amounts of precipitation in 2019.

2019 was an interesting year in the cattle business highlighted by weather challenges and disruption in packing capacity due to a fire. The turning of the calendar serves as a good reminder to do an annual review of the cow-calf enterprise and evaluate those areas for continuous improvement. Happy New Year.

The Art & Science of Developing Heifers

By: Les Anderson, Ph.D., Beef Extension Specialist, University of Kentucky

Source: <https://u.osu.edu/beef/2020/01/15/the-art-and-science-of-developing-heifers/>

The older I get the more I realize that heifer development is as much art as science. The art is understanding what type of female best fits your operation and your marketing scheme. What size cow best fits your management system? Which cows will produce the best replacements? The science is understanding the principles enabling the “right” heifers to succeed. The first week of January is an extremely important “check-point” in spring heifer development programs.

Regardless of management system, one key factor dictating cow productivity is a heifer's ability to breed early in her first breeding season. Data from many studies ranging back to the 1960's clearly demonstrate the key to cow productivity is timing of her first breeding as a heifer. Heifers that breed early in their first breeding season wean heavier calves, breed back more quickly, and become more productive cows. So the key, then, is to optimize a heifer's ability to breed early.

Heifer fertility is greatly influenced by age at puberty. Most producers don't consider age at puberty of their heifers to be a major problem, yet few know how many heifers are cyclic at the beginning of the breeding season. A Nebraska study demonstrated that the proportion of heifers that were pubertal on the first day of the breeding season varied greatly over 5 consecutive years in a single herd. The percentage of heifers that were pubertal on the first day of the breeding season ranged from only 21% to as high as 64% over the 5-year period. For maximum fertility and reproductive performance, heifers must have had at least one estrus **before** the beginning of the breeding season. Our goal then is to incorporate reproductive management techniques to reduce the age of puberty, increase fertility, and shorten the interval to conception.

One of the largest factors that regulate puberty in the heifer is weight. For puberty to occur, heifers must weigh at least 65% of their mature weight. This weight is referred to as their target weight. Most heifer development programs require that heifers reach their target weight, approximately 65% of their expected mature weight, by the onset of their first breeding season. Because fertility increases until the third estrus after puberty, heifers should reach their target weight at least 30 days before the start of the breeding season. I refer to this date as the target date.

January is the time to determine if your heifers are “on track”. Most yearling heifers will need to reach 700-800 pounds (their projected target weight) by mid-April to ensure high fertility assuming that the heifer breeding season starts about mid-May. Weigh your heifers to determine how much they have left to gain to reach their target weight. If the heifers weighed on average 600 pounds and their target weight is 750 pounds, then they will need to gain 150 pounds or 1.5 – 1.6 pounds each day to reach their target weight by mid-April. Heifers should reach a BCS of 5.0-5.5 by their target date.

The next important phase in heifer development occurs one month prior to the start of the breeding season. At this time, heifers should be vaccinated (Vibrio fetus, Leptospirosis, and the respiratory disease complex which

includes PI3, BRSV, BVD and IBR; modified-live vaccine is preferred), dewormed, and pelvic area measurements should be obtained. Heifers with small pelvic areas and especially large heifers will small pelvic areas tend to have greater difficulty calving. Now is the time to contact your local veterinarian to schedule this pre-breeding work.

Producers should consider estrous synchronization and/or AI. Estrous synchronization and AI has many advantages which include: higher pregnancy rates, heavier, more uniform calves at weaning, and increase production and labor efficiency. The greatest advantage of AI is the ability to use more predictable sires. Since a majority of calving problems in a herd occur when calving first-calf heifers, it seems logical to synchronize and AI your heifers to proven calving ease bulls. Contact your local AI technician to schedule a time to breed your heifers.

Proper heifer development is one of the key components to profitability in a beef cattle operation. Understanding the art and science of heifer development can enable producers to incorporate management techniques to improve the efficiency of the operation.

EDITOR's NOTE: Don't miss the opportunity to visit directly with Dr. Les Anderson when he joins us at the Claylick Run Farm in Licking County on February 13 for the second session of the [Ohio Beef Cow/Calf Workshop](#).

2019 eField Released

Now that 2019 has come to an end, many of us are ready to leave the memories of the challenges we faced last season behind. However, the weather conditions we dealt with provided us an opportunity to learn how we can be more resilient in agriculture while learning how to deal with the growing conditions experienced. The 2019 eFields Research Report highlights 88 on-farm, field scale trials conducted in 30 Ohio counties. Research topics include nutrient management, precision crop management, cover crops, and forages.

Additional information about production budgets, planting progress, and the 2018 Farm Bill is also included. The 2019 report is now available in both a print and e-version. To receive a printed copy, contact your local OSU Extension office or email digitalag@osu.edu. The e-version can be viewed and downloaded at go.osu.edu/eFields with the online version readable on smartphone or tablet devices.

The eFields team has planned six regional results meetings to discuss local results and gather information about research interests for 2020. There is no cost to attend; for more information or to register for a meeting, visit go.osu.edu/eFieldsMeeting. Please plan to join us for the meeting nearest you:

- Southwest Region: February 10th, 9AM-12 PM, Wilmington
- Northwest Region: February 26th, 9AM-12 PM, Bryan
- Central Region: February 27th, 9AM-12 PM,
- South Central Region: March 9th, 9AM-12P M, Circleville
- **East Region: March 10th, 6-9 PM, Coshocton**
- West Central Region: March 16th, 9AM-12P M, Piqua

We would like to sincerely thank all of our 2019 collaborating farms and industry partners. The eFields team enjoys working with each of you and we are looking forward to continuing to learn together in 2020. Follow our social media using @OhioStatePA on Facebook, Twitter, and Instagram or subscribe to our quarterly newsletter, Digital Ag Download (go.osu.edu/DigitalAgDownload), to keep up with the eFields program throughout the year. For more information on how to get involved in eFields in 2019, contact Elizabeth Hawkins at hawkins.301@osu.edu.

Ohio Ag Blog- A Look Back: Agricultural Law in 2019

By: Peggy Kirk Hall, , Associate Professor, Agricultural & Resource Law, Agricultural & Resource Law

Source: <https://farmoffice.osu.edu/blog/thu-01022020-143pm/ohio-ag-law-blog-look-back-agricultural-law-2019>

I often receive quizzical looks when someone asks me what kind of law I practice and I say “agricultural law.” A common response is “what in the world is that”? A look back at agricultural law in 2019 provides a pretty good answer to that question. Our review of major developments in the last year illustrates the diversity of legal issues that make up the world of agricultural law. It’s never dull, that’s certain. Here are the highlights of what we saw in agricultural law in 2019:

The Lake Erie Bill of Rights (LEBOR). Toledo citizens gained national attention when they passed a charter amendment granting legal rights to Lake Erie and its ecosystem to “exist, flourish, and naturally evolve.” The amendment also allowed Toledoans to sue corporations and governments that violate the lake’s legal rights. Ohio’s legislature quickly enacted a law prohibiting any attempt to enforce LEBOR, and Drewes Farm challenged LEBOR as unconstitutional in a lawsuit that is still tied up in federal court. While Toledoans won’t be able to use LEBOR to recognize legal rights for the lake, the measure raised awareness of the water quality frustrations felt by Toledoans and others with ties to Lake Erie, and brought attention to similar efforts around the country to protect natural resources by granting them legal rights. Read our review of LEBOR [here](#).

Watersheds in Distress tug-of-war. Controversial [rules](#) proposed by the Kasich administration would have expanded areas in Ohio designated as “watersheds in distress” and added regulations for farmers operating within those areas. Governor DeWine’s new Director of Agriculture [yanked the rules](#) upon taking office in January, however, effectively ending the controversy over whether more regulations for farmers are the solution to Ohio’s water quality problems. The governor’s [H2OH initiative](#) offers an alternative to the Watersheds in distress approach.

Hemp hemp, hooray. After the 2018 Farm Bill legalized hemp by distinguishing it from marijuana under federal law, then authorized states to allow hemp production, Ohio [passed legislation](#) also decriminalizing hemp. Ohio’s proposed rules for cultivating and processing hemp are now out, and ODA held a hearing on the proposed rules on December 18, 2019. ODA also submitted Ohio’s Hemp Production Plan to the USDA in December, and the USDA approved the plan. Once the state rules become final, Ohio’s hemp program will open up and applicants can apply for cultivation licenses and begin growing hemp as a commodity crop in 2020. ODA’s hemp program page is [here](#).

Waves of WOTUS. We began 2019 with the Trump administration’s proposed WOTUS rewrite in February, which is still under review and not yet effective. We followed that with the administration’s announced repeal of the Obama-era 2015 WOTUS rule in September; the repeal became effective on December 23, 2019. There’s more: the administration published a reinstatement of the WOTUS definition from 1986/1988 until its proposed rule becomes final. But that’s not all. Sprinkled in and around those dates were a slew of lawsuits and injunctions challenging the Obama-era rule, the rulemaking process, and the pre-2015 definitions of WOTUS. By the end of the year, we were left with a patchwork of different WOTUS rules across the country and uncertainty about which are actually in effect. Read our latest WOTUS post [here](#).

Third Roundup cancer lawsuit is biggest yet. A jury awarded a whopping \$2 billion to a California couple who claimed that Monsanto failed to warn them about the health risks of using Roundup, which they believe caused their non-Hodgkins lymphoma. This was the largest of three verdicts against Monsanto to date, but the court later reduced the amount to \$87 million. Approximately 13,000 more Roundup cases are pending in state and federal courts across the country, and more Roundup lawsuits are also underway against Home Depot and Lowe’s. Bayer announced in June that it would invest \$5.6 billion on weed management research to find alternatives to the glyphosate used in Roundup.

Ohio’s Right to Farm law expanded. Buried deep in Ohio’s budget bill were significant changes to Ohio’s Right to Farm law, the law that gives agricultural activities immunity from civil nuisance lawsuits. The changes were an obvious response to the Lake Erie Bill of Rights initiative. The revisions allow agricultural activities on

any CAUV land and agricultural activities conducted by a person pursuant to a lease agreement to qualify for the immunity, in addition to the pre-existing law's coverage for land owners enrolled in the "Agricultural District Program" with the county auditor. The new law also attempts to clarify the types of agricultural activities that receive protection under the law, including fertilizer and manure applications and any expansions or changes in farm operations. Read more about the changes, which became effective October 17, [here](#).

Congress increases farm bankruptcy limit. Sometimes Congress can agree on something. The Family Farmer Relief Act of 2019 is one example. The federal bill, effective August 23, 2019, raised the debt limit for family farmers and fishermen seeking to use Chapter 12 bankruptcy law to reorganize debts and stay in business. Farmers may now have an aggregate debt of up to \$10 million when using Chapter 12, rather than the previous limit of \$4.4 million.

Revisions to H-2A rules begin. Long awaited revisions to the H-2A program are underway. In October, changes were made to the labor market test for H-2A labor certification, which determines whether qualified American workers are available to fill temporary agricultural positions and if not, allows an employer to seek temporary migrant workers. Employers will no longer have to advertise a job in a print newspaper of general circulation in the area of intended employment. For the final rule, visit [this link](#).

Meat and eggs are not so simple anymore. While all is quiet in Ohio, the country continues to battle over what exactly is "meat" and when eggs must come from cage free hens. The most recent egg law arose in Michigan, whose lawmakers passed a bill that will require all eggs sold in the state by 2024 to be from birds housed in cage-free facilities. Oregon and Washington passed similar laws in 2019. Meanwhile, litigation in Arkansas has put a hold on carrying out a state law that prohibits labeling a food product as "meat" if it doesn't derive from an animal. A similar law and lawsuit developed in Missouri last year. And in Washington DC, the USDA and FDA jockeyed for regulatory authority over "cell cultured meat" and finally agreed to divide labeling and inspection authority between the two agencies. We expect these food battles to continue in 2020.

Solar leasing on the rise. Yes, solar leasing in Ohio. Thousands of acres of farmland in Ohio will soon be home to utility-scale solar energy facilities under long-term solar energy leases. The Ohio Power Siting Board has approved six solar facilities, with eight more in the works. We've examined the legal issues raised by solar energy leasing on farmland and have summarized them in our Farmland Owner's Guide to Solar Leasing, available [here](#).

What might the wide world of agricultural law see in 2020? We'll tackle that question next, so stay tuned for more.

Consider Becoming a Coshocton County Master Gardener Volunteer

Do you enjoy gardening? Are you looking for a way to give back to your community? Then becoming a Master Gardener Volunteer may be just the thing for you.

The Master Gardener Volunteer Program trains volunteers for Ohio State University Extension in Coshocton County to help further the mission of engagement and outreach. Volunteers are trained in consumer horticulture including: annuals, perennials, fruits, vegetables, soil, botany, turf, insects, diseases and more! After receiving over 50 hours of education, each intern must complete 50 hours of service to OSU to become fully certified Ohio State Master Gardener Volunteers.

The next training classes in Coshocton County will be held on Monday evenings from 6:00 to 9:00 p.m. at the Coshocton County Extension office (724 South 7th Street in Coshocton, Ohio) from 6:00 to 9:00 p.m. The training dates are February 10, 17, & 24; March 2, 9, 16, 23, & 30; April 6, 20, & 27; May 4, 11, & 18 and June 1 & 8.

The cost for this training program is \$135 course fee and applications are due January 8. **The deadline has been extended to this Friday, January 17.** More details can also be received by contacting the Coshocton County Extension office at 740-622-2265 or marrison.2@osu.edu. An application packet can be found on-line at coshocton.osu.edu.

Upcoming Program Dates

- Winter Agronomy School- January 28
- Farm Bill Training in Clark- January 30
- Pesticide & Fertilizer Re-certification in Coshocton- February 4
- Farm Bill Training in Zanesville- February 5
- Farmers Breakfast- February 11
- Farm Succession Workshop- February 12 & 19
- Pesticide & Fertilizer Re-certification in Coshocton- March 4
- Farmers Breakfast- March 10
- eFields Regional Meeting in Coshocton- March 10
- Mortality Composting Workshop- March 18
- Pesticide & Fertilizer Re-certification in Tuscarawas County- March 19
- National Ag Day Luncheon- March 24
- Pesticide & Fertilizer Re-certification in Tuscarawas County- March 26

**Check out upcoming
programs at:**

go.osu.edu/coshoctonevents



OHIO SOYBEAN
COUNCIL ✓

2020 AGRONOMY SCHOOL

TUESDAY, JANUARY 28, 2020 9:00 AM TO 3:00 PM

Join OSU Extension in Muskingum & Coshocton Counties for the 2020 Agronomy School. This school will focus on topics to increase corn profitability, improve grain crop nutrient management, and understand new trends in Ohio weather. Also learn more about the farm bill, commodity prices, and trade issues. Thank you to the Ohio Soybean Council for co-sponsoring this event.

Location:

Dresden United Methodist Church
1014 Main Street
Dresden, Ohio 43821

Cost:

\$30 per person- RSVP by Jan 22

Registration information:

See back side of flyer

Featured Speakers:

Aaron Wilson, Atmospheric Scientist, Byrd
Polar and Climate Research Center

Ben Brown, Program Manager for Farm
Management

Glen Arnold, Field Specialist, Manure
Management

Harold Watters, Field Specialist, Agronomic
Systems

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2020 Agronomy School

Registration Details:

PRE-Registration is required, and the fee is \$30 per person. The registration deadline is Wednesday, January 22, 2020. This fee includes refreshments, hot lunch, handouts, and a copy of Bulletin #969 – A Field Guide to Identifying Critical Resource Concerns and Best Management Practices. Fertilizer Certification and Certified Crop Advisor (CCA) credits have been applied for.

Make checks payable to Ohio State University Muskingum County. Mail to 225 Underwood Street, Zanesville, OH 43701. Please return this form with payment. Thank you!

Name(s): _____

Address: _____

City _____ State _____ Zip _____

Phone _____

Email _____

Amount Enclosed: _____

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For an accessible format of this publication, visit cfaes.osu.edu/accessibility.

eFields

connecting science to fields

eFields is an Ohio State University program dedicated to advancing production agriculture through the use of field-scale research.

Make plans to join us to learn about the 2019 study results from your area plus across the state.

AGENDA

6:00 PM eFields Overview

6:30 PM Local Trials and Results

7:45 PM Partner Farmer Panel

8:30 PM Discuss Future Projects

2019 eFields Regional Meetings *Eastern Region*

March 10, 2020: 6 – 9 p.m.

Location:

Coshocton County Services
Building – Room B100
724 South 7th Street
Coshocton, Ohio 43812

No cost to attend.

RSVP at

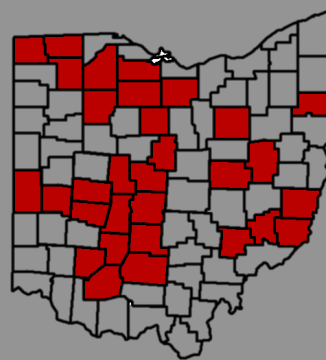
go.osu.edu/eFieldsMeeting

Contact: David Marrison

Marrison.2@osu.edu

740-622-2265

For More Information:
go.osu.edu/eFields



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Livestock Mortality Composting Certification

Wednesday, March 18, 2020
6:30 to 8:30 p.m.

Coshocton County Services
Bldg - Room 145
720 South 7th Street
Coshocton, Ohio 43812



As rendering and burial options for livestock mortality become more limiting or restrictive, composting livestock mortality is a good and environmentally friendly alternative. To legally compost livestock mortality in Ohio, producers are required to attend a certification training. OSU Extension invites livestock producers to earn their **Mortality Composting Certification** on March 18, 2020 from 6:30 to 8:30 p.m. at the Coshocton County Extension office. Rory Lewandowski, Wayne County Extension will be the featured speaker for this program. Upon completion of the program, all participants will be certified in livestock mortality composting. The fee for this certification is \$10 per person (but waived for Coshocton County residents).

PRE-REGISTRATION IS REQUESTED. There is no registration fee for Coshocton County residents and \$10 for out-of-county attendees. Room space is limited so register today! Call 740-622-2265 or email marrison.2@osu.edu for more information or to reserve your spot.

Name _____ County _____

Address _____

Email _____ Phone _____

_____ \$0 for Coshocton County Residents

_____ \$10 for Out-of-County

Make checks payable to **OSU Extension** and return to:
OSU Extension, 720 South 7th Street, Room 110, Coshocton, Ohio 43812



Ohio Beef Cow/Calf Workshop

Are you looking at all your options to make your cow/calf operation profitable? OSU Extension is bringing in experts from Ohio and surrounding states to discuss and demonstrate the practices that you might apply on your farm to improve your operation. By attending the sessions below, you will receive the needed interaction with speakers and participants to address any questions, as well as the opportunity to connect with fellow cattle producers.

SESSION 1

Session 1 will focus on alternative feeds and forages, and managing brood cow nutrition with discussion led by Dr. Francis Fluharty.

SESSION 2

Session 2 will focus on herd health and reproduction with Dr. Les Anderson from the University of Kentucky and Dr. Foster Anderson, a highly respected local cattle veterinarian. We will include live demonstrations on topics such as body condition scoring, breeding soundness exams, and semen handling.

January 30, 2020 | 10:00 am – 2:00 pm

-and-

February 13, 2020 | 10:00 am – 2:00 pm

LOCATION: Claylick Run Farm Sale Facility (Heated Facility)
11970 Cross Rd., Newark, OH 43055

PRICE: \$40.00 (Price includes Session 1 & 2 and Lunch)

CONTACT: For questions, contact Allen Gahler in Sandusky County at 419-334-6340 or gahler.2@osu.edu, or Dean Kreager in Licking County at 740-670-5315, or kreager.5@osu.edu.



REGISTRATION | OHIO BEEF COW/CALF WORKSHOP

Name: _____	Additional Attendees: _____
Address: _____	_____
_____	_____
City: _____	_____
State/Zip: _____	_____
Phone: _____	Email: _____
Dietary Needs: _____	

of Attendees _____ x \$40 Total Amount Enclosed: _____ *(Make checks payable to OSU Extension.)*

Send completed forms to OSU Extension Licking County, 771 E. Main Street, Suite 103, Newark, OH 43055.



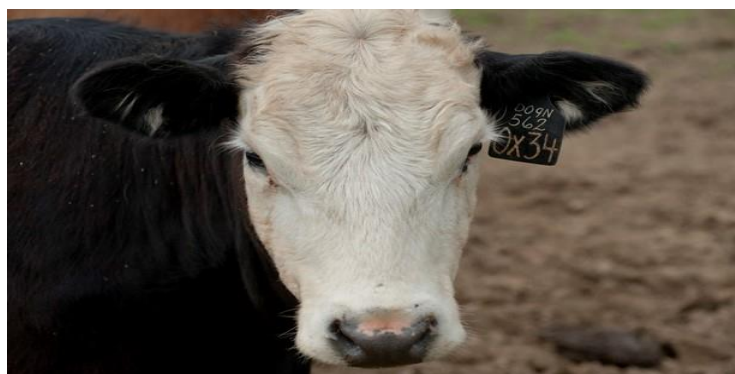
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OHIO BEEF CATTLE NUTRITION AND MANAGEMENT SCHOOL



SESSION 1

Session 1 will focus on utilizing small grains in the diets of all ages and production groups of beef cattle, utilizing alternative forages, and managing your herd or feedlot with lower quality feedstuffs. This discussion will be led by former OSU research nutritionist and current University of Georgia Department of Animal Sciences Chair, Dr. Francis Fluharty.

SESSION 2

Session 2 will feature talks by several OSU Extension Educators on marketing strategies, commodity market outlook, feeding for the grids/carcass quality, forage testing, and managing annual forages for grazing and hay.

The sessions will be offered twice in two different locations – Licking County and Sandusky County.

SANDUSKY COUNTY

Session 1: January 29, 2020 | 6:00 – 9:00 pm

Session 2: February 12, 2020 | 6:00 – 9:00 pm

Luckey Farmers Inc.

Main Office
1200 W. Main Street
Woodville, OH 43469

LICKING COUNTY

Session 1: January 30, 2020 | 6:00 – 9:00 pm

Session 2: February 13, 2020 | 6:00 – 9:00 pm

Ohio State University Newark and COTC Campus

Warner Center, Room 126
1179 University Drive
Newark, OH 43055

PRICE: \$40.00 (Price includes Session 1 & 2)

CONTACT: For questions, contact Allen Gahler in Sandusky County at 419-334-6340 or gahler.2@osu.edu, or Dean Kreager in Licking County at 740-670-5315, or kreager.5@osu.edu.

REGISTRATION | OHIO BEEF CATTLE NUTRITION AND MANAGEMENT SCHOOL

(Registration should be sent to the attending County.)

Name: _____

Additional Attendees: _____

Address: _____

City: _____

State/Zip: _____

Phone: _____

Email: _____

of Attendees _____ x \$40 Total Amount Enclosed: _____ **(Make checks payable to OSU Extension.)**

Send completed forms to: **Sandusky County Sessions**
Ohio State University Extension
Sandusky County
2000 Countryside Drive #4
Fremont, OH 43420

-or- **Licking County Sessions**
Ohio State University Extension
Licking County
771 East Main Street, Suite 103
Newark, OH 43055



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Agriculture Outlook and Policy Meeting

What's ahead for farmers and Ag businesses in 2020? Come to the January 24 Ag Outlook and Policy meeting and hear what the experts are saying.

Friday, January 24, 2020

9:00 am to 3:15 pm

Kidron Park Community Building
4434 Kidron Rd, Kidron

Cost : \$12/person.

Pre-register by January 17, call the Wayne County Extension office at 330-264-8722, or RSVP by email to: lewandowski.11@osu.edu

More information at
go.osu.edu/agwayne

FEATURING:

David Marrison: ANR Educator, Coshocton County
Transitioning Your Farm Before the Hearse Arrives

Barry Ward: Extension Production Business Management, Director OSU Income Tax Schools

Examining the Ohio Farm Economy: Crop Margins, Land Economics, Tax Issues

Dianne Shoemaker: Extension Field Specialist, Dairy Production Economics

Precision Tools for Dairy Profitability: 15 Measures of Competitiveness/Farm Analysis

Ben Brown: Agricultural Risk Management, Department of Agricultural, Environmental and Development Economics

Commodity Outlook and Risk Management in 2020

Aaron Wilson: Specialist and Research Scientist, Byrd Polar & Climate Center

Farming in the Face of Weather Extremes

Sponsored By:



Ag Outlook and Policy Meeting 2019

PRE-REGISTRATION IS REQUIRED. The cost is \$12 per person. **Registration deadline is January 17th.** Make checks payable to OSU Extension. Please send checks and registration to: OSU Extension- Wayne County, 428 W. Liberty Street - Suite 12, Wooster, Ohio 44691. Please detach and return this form with your payment. Thank you.

Name(s): _____ Phone: _____

Email: _____

Number attending/amount enclosed: _____



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