CFAES OHIO STATE UNIVERSITY EXTENSION

Morrow County SCARLET & GRAY News

Volume 15 Issue 3 • March/April 2019

Volunteers recognized at banquet Jan. 18

2018 4-H VOLUNTEERS

FIRST YEAR: Kari Adams, Brittany Arnold, Stacey Beck, Brant Bockbrader, Tolly Bockbrader, Sonya Brown-Morris, Kathy Dudley, Daniel Freeman, Curtis Grimm, Sandy Kovacs, Amanda Meier, Keri Myers, Curtis Nelson, Lindsay Nelson, Rachelle Newson, Christy Orr, Candala Rogers, Riley Sherman, Robin Snopik, Kellie Squires;

SECOND YEAR: Jennifer Alexander, Ben Davis, Laura Fiant, Lisa Franklin, Betsy Gallagher, Brian Gingerich, Christy LaRoche, Jennifer Morrison, Candi Rollins, Sarah Shaffer, Miranda Spoon, Tabitha White;

THIRD YEAR: Erin Bender, Marcie Chamberlain, Mark Chamberlain, Wade Delawder, Jessica Dye, Melody Franklin, Katie Grandstaff, Lora Hamilton, Jacklynn Johnson, Jackie Weaver-Campbell, Bridget Whetnall, Peggy Wolf, Ashton Young , Tasha Zornes;

FOURTH YEAR: James Anderson, Linda Bowman, Cory Clark, Megan Davis, Rebecca Freeman, Stacy High, Justina Keckler, Mary Meimer, Robin Munday, Katie Queener, Melinda Wilczynski;

4-H Volunteers with 20 or more years: (L to R) Vanessa Gingerich, Brian Gingerich, Jacob Serio (4-H Alumni) Manny Heilman (4-H Member), Gene Dumbaugh, Lynn Fraizer, Kim Hessey, Charlene Pace, Bill Hershner (Back), Lee Van Dyke, Carol Holsinger, Renee Ness, Betty Brandum.

FIFTH YEAR: Jessica Anderson, Calina Barry, Kelly Beck, Matthew Beck, Sally Brokaw, James Eblin, Kristen Eblin, Terri Foster, Vanessa Gingerich, Kortney Huvler, Robin Jordan, Megan Michels, Rebecca Miller, Teresa Smith, Martha Wall;

SIXTH YEAR: Carri Jagger, Darren May, Cherie Smith;

SEVENTH YEAR: Cynthia Hartley, Ashley Smith, Kathleen Townsend;

EIGHTH YEAR: Carmen Casto, Tracy Gray, Brigette Kanagy, Emily Leibengood, Adam Smith, Amy Walter;

NINTH YEAR: Shelby Emerson, David Freeman, Angie White;

TENTH YEAR: Holly Gordon, Judy Mayer, Chad Richards;

ELEVENTH YEAR: Don Burdsall, Dale Clinedinst, Robin Conrad, Loren Coleman, Alea LaCroix, Florence Smith, Darlene Yake;

TWELTH YEAR: Darla Clinedinst, DeAnna Collins, Tammy Cooper, Toni Stepp

THIRTEENTH YEAR: Lisa Beck, Gena Dutton, Russ Mayer, Barb McElwee, Jason Ruhl;

FOURTEENTH YEAR: Sue Miller, Martha Osborne, Richard Sears, Kelly Weikel, Mike Wilgus;

FIFTEENTH YEAR: Candida Doubikin, Mike Ruhl, Jana Worner;

SIXTEENTH YEAR: Sheila Beck

SEVENTEENTH YEAR: Robin Brandum, Mary Neviska, Lorri Richards;

EIGHTEENTH YEAR: Angie Bush, Kathleen Freeman, Peggie Van Horn;

NINETEENTH YEAR: Missy Kidwell;

TWENTIETH YEAR: Lynn Fraizer, Kim Hessey, Linda Hill, Peggy Hubschman, Julie Logan, Lynn Wagoner;

TWENTY-FIRST YEAR: Leontine Van Dyke;

TWENTY-EIGHTH YEAR: Carol Holsinger, Renee Ness;

TWENTY-NINTH YEAR: Betty Brandum, Vicki Brubaker, Mike Fry;

THIRTIETH YEAR: Charlene Pace

FOURTY-FIRST YEAR: Betty May, Steve May;

FIFTY-FOURTH YEAR: Gene Dumbaugh;

FIFTY-FIFTH YEAR: Jan Johnson;

FIFTY-NINTH YEAR: Bill Hershner.

FAMILY AND CONSUMER SCIENCES VOLUNTEERS

Larry Shotwell, Mia Shotwell, Julie Stake, Sandi Williamson, Jodi Hayes, Fawn Mollenkopf, Christopher Oquin, Judy Mayer, Alice Hackworth, Vanessa Gingerich, Ann Artrip, Marilyn Weiler, Faith Jagger, Patti Jackson, Shelley Sparks, Amy Timmerman, Shelley Planey, Don Burdsall, Lindsay Grimm, Kristen Redmond, Erin Kelty, Cindy Hershner, Stephanie Zmuda, Sharon Hickson, Betty Grooms, JoAnne Trainer, Teresa Shipman, Alberta Stojkovic, Vickie Adkins, Jane Cole, Ashley Glass, Deb Ruth, Angie Bush, Kanda Benner, Susie Sexton.

MASTER GARDNER VOLUNTEERS

Charlotte Benedict, Diane Curren, Kathleen Duffy, Erica Grooms, Carol Henry, Chris Holt.

INTERNS: Lynn Michaels, Joyce Prater, Karen Salvagno, Darlyn Sbumaker, Erin Slusher, Joanne Trainer, Sharilyn Wuertz, Karen Zucker.

Bill Hershner was honored for his 59th year of being a 4-H Volunteer in 2018. 2019 will be his 60th year.

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OHIO STATE UNIVERSITY EXTENSION MORROW COUNTY

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AGRICULTURE

Spring Is In Sight

By Carri Jagger, ANR Ext. Ed, Morrow County

This has been a long, unpredictable, wet winter. Thank goodness spring is in sight, Wednesday, March 20 will be the first day of spring. With this being said, it's time to start thinking about planning vegetable gardens. If starting a new garden, soil testing the site where the garden will go is a good idea. If it is an existing garden and the soil has never been tested, now would be a good time to think about testing it. OSU Extension - Morrow County can help with soil testing.

We can come out, take the samples, and send them to Spectrum Analytic to have them tested. The testing costs $14.00. The fee covers the shipping and soil analysis.

Another gardening task to be thinking about is seed starting. Growing plants from seed is a lot of fun and now is the time to be doing this. Below is a chart from The Old Farmers Almanac that will help determine when to start seeds indoors, transplant seedlings outdoors, and when to start seeds outdoors.

You can also call our office if you have questions and Carri Jagger Agriculture and Natural Resources Educator will be happy to help you. 419-947-1070

Crop	Start Seeds Indoors	Transplant Seedlings	Start Seeds Outdoors
Beans			May 17 - June 7
Beets			April 26 - May 17
Broccoli	March 29 - April 12	April 19 - May 10	
Brussel Sprouts	March 29 - April 12	April 12 - May 3	
Cabbage	March 15 - 29	April 12 - 26	
Cantaloupe	April 12 - 19	May 24 - June 14	May 24 – June 1
Carrots			April 5 - 19
Cauliflower	March 29 – April 12	April 12 - 26	
Collards	March 29 – April 12	April 12 – May 3	
Corn			May 10 - 24
Cucumbers	April 12 – 19	May 24 – June 14	May 24 – June 1
Eggplants	Feb. 28 – March 15	May 24 – June 14	
Kale	March 29 - April 12	April 12 - May 3	
Lettuce	March 29 - April 12	April 26 - May 24	
Onions			April 12 – May 3
Peas			March 29 – April 19
Peppers	Feb. 28 – March 15	May 24 – June 14	
Potatoes			May 3 – 24
Pumpkins	April 12 – 26	May 24 – June 14	May 24 – June 1
Radishes			March 15 - April 5
Spinach			March 29 - April 19
Sweet Potatoes	April 12 – 19	May 24 – June 14	May 24 – June 1
Squash	April 12 – 26	May 24 – June 14	May 24 – June 1
Swiss Chard	March 29 – April 12	April 19 – 26	May 24 – June 1
Tomatoes	March 15 – 29	May 17 – June 7	
Turnips			April 12 – May 3
Watermelons	April 12 – 19	May 24 – June 14	May 24 – June 1

Fruit Tree Pruning Clinic

Join us for an educational afternoon of learning the proper techniques of fruit tree pruning on March 9th starting at 2:00 p.m.. We will be talking about how and when to properly prune your fruit trees.

The clinic will be held outside at Osborne Orchard, 6027 US Hwy 42 N, Mt. Gilead, OH 43338 (just south of Williamsport). Please dress accordingly.

For questions, contact Carri Jagger at 419-947-1070 or email Jagger.6@osu.edu.

2019 OSU Extension Small Farm Conferences

This year OSU Extension will be hosting two Small Farm Conferences in Ohio. If you are interested in attending one of the very educational events please visit https://u.osu.edu/gofarmohio/ for registration information.

March 16, 2019: Northwest State Community College, 22600 St. Rt. 34, Archbold, OH 43502

March 29th and 30th: OSU South Centers, Endeaver Center & Research Facility, 1864 Shyville Road, Piketon, Ohio 45661

Morrow County Cattleman's Pavilion Fundraiser

Morrow County Cattleman's Association, (MCCA) is raising money to continue making improvements to the fairgrounds and pavilion area around the food stand. They will be selling engraved pavers with the proceeds helping to pay for costs and going toward the building fund on the fairgrounds.

The MCCA will donate 80% of the proceeds towards the pavilion costs until it is paid for. The other 20% of proceeds will go toward the building fund at this time. Once the building is paid for, the MCCA and Building Fund for Senior Fair will split the proceeds 50/50.

MCCA will continue to raise and use the money for various other programs such as the Ambassador and Scholarship programs.

The pavers cost $100 each and are a great way to remember loved ones, recognize our youth, or just put your family name in the pavilion area! Pavers will be engraved every year before the fair and placed in the patio area before fair time. Please contact the MCCA for information on how to purchase a paver and help us support our youth! Steve Wilczynski can be reached at 614-400-1182.

2019 Sheep Shearing School

By Brady Campbell,
Program Coordinator, OSU Sheep Team

Back due to popular demand, the Ohio Sheep Improvement Association will be offering a spring sheep shearing school scheduled for April 12th and 13th from 9:00 am – 4:00 pm at the Dave Cable Farm in Hebron, Ohio.

During this two day schooling event, attendees will be given the opportunity to learn how to properly shear a sheep using the Australian shearing method. Those in attendance will be taught by veteran shearers as they walk through each step and demonstrate how to properly position the sheep and shearing hand piece in the correct location. Attendees will also learn to appreciate fleece quality by ensuring that their work station is clear of debris and how to keep the animals fleece all in one piece. This shearing session is open to any and all sheep producers, regardless of your shearing experience. Even if you are an experienced shearer, you are bound to learn something new or to improve upon from the school! Who knows, maybe it could help you shear off a couple of seconds on each sheep that you shear.

Please note that class space is limited and registration is due by Monday, April 8th. The cost to attend is $50 which includes a boxed lunch for each day. For those interested in participating in this years school, please be sure to fill out and return the registration form (found at https://cpb-us-w2.wpmucdn.com/u.osu.edu/dist/e/45418/files/2017/08/2019SpringSheepShearingSchoolRegistrationForm-1-1r14uc8.pdf) to the Ohio Sheep Improvement Association as indicated on the form by April 8th! Additional information regarding this school and other sheep related events can be found on our Events/Programs page at http://u.osu.edu/sheep/eventsprograms/.

As the sheep industry continues to maintain a strong foothold in the state of Ohio, new sheep shearers will be needed to ensure the longevity of our industries future. It's up to you to help continue this legacy. We look forward to seeing you there! Happy shearing!

Morrow County Master Gardeners 2019 Spring and Summer Garden Series

OSU Extension Morrow County Master Gardener Volunteers would like to invite you to join them for their 2019 Garden Series. They will be offering various garden topics for the community

Classes are open to anyone who wants to learn!

The following classes will be held at our office 5362 US Hwy 42, Mt. Gilead second floor conference room. (Unless otherwise noted.)

March 9th @ 2:00 p.m.: Fruit Tree Pruning at Clinic Osbornes Orchard (Steve Osborne), 6027 US Highway 42 N, Mount Gilead, Ohio 43338

March 30th @ 10:00 a.m.—1:00 p.m.: Vision Board activity to design and plan your 2019 Garden (Morrow County MGV's) **Pre-Register**

April 6th 10:00 a.m. —12:00 p.m.: Vegetative Propagation Class (Merry Tapp MGV Franklin County)

April 23rd @ 6:00 p.m.: Growing and Landscaping with Native Pollinator Plants (Gale Martin and Brandon Parks)

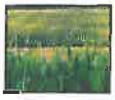
April 25th 6:30—8:30 p.m.: Hydrangea Informational Class $30/Person **Pre-Register**

May 15th @ 6:00 p.m.: Hypertufa Class Make and Take $20/Person (MGV Diane Curren) **Pre-Register**

May 20th @ 6:00 p.m.: Youth Garden Evening at Headwaters Outdoor Education Center, 151 Home Rd., Mt. Gilead Ohio 43338. **Pre-Register**

June 19th @ 6:00 p.m.: How to Enter Flowers in the 'fair (MGV's Erica and Charlotte)

Contact Information: Carri Jagger, ANR Educator, phone 419-947-1070 or email Jagger.6@osu.edu.



AGRICULTURE

Propagation Class by MGV

Join OSU Extension Morrow County to learn how to vegetatively propagate your favorite plant on April 6th from 10:00 a.m. to noon in the Ag Credit Building, 2nd Floor Conference Room, 5362 US Hwy 42, Mt. Gilead, OH 43338.

Merry Tapp Franklin, County Master Gardener Volunteer, will be teaching how to propagate your favorite plants through vegetative cuttings.

Class participants will get to take cuttings of plants and learn how to start those cutting. They will be taking their work home.

For questions, contact Carri Jagger at 419-947-1070 or email Jagger.6@osu.edu.

This Winter Has Been Tough on Cows!

By Mark Landefeld, OSU Extension Agriculture Educator, Monroe County

To add on to the great nutrition article in last week's newsletter (http://u.osu.edu/beef/2019/01/30/winter-feeding-beef-cows/), I want to mention a resource available for producers to help monitor their cow's body condition score. An Ohio State University Extension Fact Sheet may be found at https://ohioline.osu.edu/factsheet/anr-54. Dr. Boyles, last week, gave us all the nuts and bolts for providing the necessary energy and protein to fulfill the cow's nutritional needs. However, we should also monitor our livestock's body condition scores to insure the feed being provided coincides with what we see in our livestock's physical appearance.

Timid animals may not always get enough nutrients even though we are providing them. Our calculations could be wrong also. We hear about so many 1000-1200 pound cows, but there are very few of them at my place. Of my mature cows, more will tip the scale over 1200 lbs. than under and my 2nd calf heifers will be the only ones in that 1000-pound plus range. Therefore, unless we have separated everybody into the proper groups and fed accordingly, body condition scores may be changing if we are not very observant.

Stockpiled grass, at my farm, did not last nearly as long as I expected it to this year. Poor hay quality from 2018 has been discussed in about every publication and every loafing spot farmers hang-out at, so I think we should be aware that Dr. Boyles information needs put to use, especially this winter!

The Fact Sheet link listed above gives great detail about understanding Body Condition Scoring and how to use it so I will not go into detail about it here. However I want to use three of the pictures, body condition score number 4, 5 and 6 because I think they are very relevant to many producers across Ohio, maybe the nation, this winter/today.

Normally my cows look like number 6's (some 7's) in January, even into late February, as calving season begins. However, this year is different.

I think the cows were their normal number 6+ in late November/early December, but the cold rains and mud they have dealt with the past two months is taking its toll. Even though my hay test numbers showed adequate nutrients for middle 1/3 and last 1/3 of pregnancy, the girls are not number 6's & 7's today.

I believe they are still body condition 5's & some 6's now, but we have the normally cold and muddy late February and March conditions coming yet. I don't want them slipping to number 4's before starting to supplement, because at that point I believe it may be too late to keep everyone on track to calve normally, provide high quality colostrum, milk routinely and rebreed in a timely manner. So, I'm sure many of you are saying that feeding concentrate feeds are expensive. You don't have to tell me that because I understand completely. My cows have not had grain since they were replacement heifers and I know what feed costs. I also know it is pretty easy to estimate what a missed heat cycle (maybe more than one) cost me once the bull is turned in (see the chart below). What is much harder to calculate is the amount of loss from a distressed calf at calving, loss of pounds gained from poor quality colostrum and milk from momma because she did not have proper nutrition. (See chart below.)

4. Borderline thin– Forerib not visible, but 12th and 13th ribs visible.

5. Moderate – More muscle left. Ribs 12 and 13 not visible to the eye.

6. Good – Smooth appearance; some fat on back and tail. Ribs no longer visible.

So, what body condition are your cows in right now? When is your calving window to start and finish? What quality hay/feed have you been feeding? In addition, maybe more importantly, what quality is the hay you will be feeding 30-90 days after calving when the cow's nutrient requirement will be at its peak demand? Think about this; one cow missing one-heat cycle, at the 2.5 lbs. rate of gain/day in the chart, would pay for about 10 – 50 lbs. bags of concentrate feed. Consider all these things and use tools available like the Body Condition Scoring to keep your livestock on track, have strong healthy calves and be ready to rebreed in that 82-day window to be successful and calve on time next year. Do extra concentrate feeds seem more doable now?

Interval of Heat Missed	Calf @ 2.0# Rate of Gain/Day	Calf @ 2.5# Rate of Gain/Day	Calf @ 3.0# Rate of Gain/Day
1 Cycle (21 days)	-$ 63.00*	-$ 78.75*	-$ 94.50*
2 Cycles (42 days)	-$ 126.00*	-$ 157.50*	-$ 189.00*
3 Cycles (63 days)	-$ 189.00*	-$ 236.25*	-$ 283.50*

Ohio Farm Business Analysis Program

By Dianne Shoemaker & Haley Shoemaker

How well do you know your farm? Sure, you could probably drive your fields blindfolded and you could name without a doubt the cow that will always come in the parlor last; but what about your farm as a business? If this question made you stop and think, then it's time to become more familiar with your cost of production and other financial measures that make the rest of your farming operation possible.

The Ohio Farm Business Analysis Program is focused on working with farmers across Ohio to better understand the numbers behind their farm business in order to make more informed production, marketing and financial management decisions that will impact the farm's overall profitability.

Efforts to expand the program's reach have included the addition of three Farm Business Analysis Technicians, who are ready to help farmers complete their analysis of the 2018 business year.

Farm business analysis is a tool that can be applied to any farm, regardless of size, crop, or livestock enterprise. Financial management is critical to the success of every farm business, and with analysis, farms are able to better understand the numbers behind their profits or losses.

To complete a farm's analysis, we start with beginning and ending balance sheets from the most recent business year. To fill in the year between the balance sheets, we provide input forms that cover all income, expenses, capital purchases, sales, and enterprise information.

Farmers complete a whole farm analysis and may choose to do enterprise analysis. They receive their farm's analysis and enterprise summaries that include their costs of production per acre, per unit (bu, ton, cwt, head) as well as machinery costs per acre. At the conclusion of each year's analysis, farmers receive Ohio summary data, along with personalized benchmark reports that help them quickly identify areas of strength and concern.

All farm data is treated and handled with the utmost care to preserve confidentiality. Farms that complete analysis also contribute to the database of Ohio farm financial and production data. Ohio farm data is used for teaching, research, extension education and policy decision making.

To better serve Ohio's farmers, the Farm Business Analysis Program has three Farm Business Analysis Technicians serving central and western Ohio. These technicians work out of the County Extension Offices in Defiance, Miami and Pickaway counties, and will also work with farms in surrounding counties. We encourage you to contact the technician nearest your farm to get started on Farm Business Analysis:

Defiance County: 419.782.4771, Clint Schroeder, schroeder.307@osu.edu

Mahoning County: 330.533.5538, Cristina Benton, benton.132@osu.edu

Miami County: 937.440.3945, Sharon Harris, harris.2835@osu.edu

Pickaway County: 740.474.7534, Trish Levering, levering.43@osu.edu

Thanks to the USDA-NIFA Farm Business Analysis grant, the cost for a farm to complete an analysis for the 2018 business year is $100. To learn more about farm business analysis, contact Dianne Shoemaker or Haley Shoemaker at 330-533-5538 or email at shoemaker.3@ osu.edu or shoemaker.306@osu.edu. See past farm business summaries at http://farmprofitability.osu.edu.

AGRICULTURE

Top Ten Tips for the Spring Seeding of Forages

By Mark Sulc,
OSU Extension Forage Specialist

Late this month (depending on the weather) and on into April provides one of the two preferred times to seed perennial cool-season forages. The other preferred timing for cool-season grasses and legumes is in late summer, primarily the month of August here in Ohio. The relative success of spring vs. summer seeding of forages is greatly affected by the prevailing weather conditions, and so growers have success and failures with each option.

Probably the two primary difficulties with spring plantings are finding a good window of opportunity when soils are dry enough before it gets too late, and managing weed infestations that are usually more difficult with spring plantings. The following steps will help improve your chances for successful forage establishment in the spring.

1. Make sure soil pH and fertility are in the recommended ranges. Follow the Tri-state Soil Fertility Recommendations (https://forages.osu.edu/forage-management/soil-fertility-forages) . Forages are more productive where soil pH is above 6.0, but for alfalfa it should be 6.5 – 6.8. Soil phosphorus should be at least 15 ppm for grasses and 25 ppm for legumes, while minimum soil potassium in ppm should be 75 plus 2.5 x soil CEC. If seedings are to include alfalfa, and soil pH is not at least 6.5, it would be best to apply lime now and delay establishing alfalfa until late summer (plant an annual grass forage in the interim).

2. Plant high quality seed of known varietal source adapted to our region. Planting "common" seed (variety not stated) usually proves to be a very poor investment, yielding less even in the first or second year and having shorter stand life.

3. Plant as soon as it is possible to prepare a good seedbed in April. Try to finish seeding by late April in southern Ohio and by the first of May in northern Ohio. Timely April planting gives forage seedlings the best opportunity to get a jump on weeds and to be established before summer stress sets in. Weed pressure will be greater with later plantings, and they will not have as strong a root system developed by early summer when conditions often turn dry and hot.

4. Plant into a good seedbed. The ideal seedbed for conventional seedings is smooth, firm, and weed-free. Don't overwork the soil. Too much tillage depletes moisture and increases the risk of surface crusting. Firm the seedbed before seeding to ensure good seed-soil contact and reduce the rate of drying in the seed zone. Cultipackers and cultimulchers are excellent implements for firming the soil. If residue cover is more than 35% use a no-till drill. No-till seeding is an excellent choice where soil erosion is a hazard. No-till forage seedings are most successful on silt loam soils with good drainage and are more difficult on clay soils or poorly drained soils.

5. Plant seed shallow (¼ to ½ inch deep) in good contact with the soil. Stop and check the actual depth of the seed in the field when you first start planting. This is especially important with no-till drills. In my experience, seeding some seed on the surface indicates most of the seed is about at the right depth.

6. When seeding into a tilled seedbed, drills with press wheels are the best choice. When seeding without press wheels or when broadcasting seed, cultipack before and after dropping the seed, preferably in the same direction the seeder was driven.

7. In fields with little erosion hazard, direct seedings without a companion crop in the spring allows harvesting two or three crops of high-quality forage in the seeding year, particularly when seeding alfalfa and red clover.

8. For conventional seedings on erosion prone fields, a small grain companion crop can reduce the erosion hazard and will also help compete with weeds. Companion crops usually increase total forage tonnage in the seeding year, but forage quality will be lower than direct seeded legumes. Take the following precautions to avoid excessive competition of the companion crop with forage seedlings: (i) use early-maturing, short, and stiff-strawed small grain varieties, (ii) plant companion small grains at 1.5-2.0 bu/A, (iii) remove companion crop as early pasture or silage, and (iv) do not apply additional nitrogen to the companion crop.

9. During the first 6 to 8 weeks after seeding, scout new seedings weekly for any developing weed or insect problems. Weed competition during the first six weeks is most damaging to stand establishment. Potato leafhopper damage on legumes in particular can be a concern beginning in late May to early June.

10. The first harvest of the new seeding should generally be delayed until early flowering of legumes, unless weeds were not controlled adequately and are threatening to smother the stand. For pure grass seedings, generally harvest after 70 days from planting, unless weeds are encroaching in which case the stand should be clipped earlier to avoid weed seed production.

Improving Grain Market Plans

Gain knowledge about improving your grain marketing plan from the comfort of your own home with a Webinar on Tuesday, March 12th and 19th, 2019 from 11:00 a.m. – 1:00 p.m.

The webinar topics include:

- Risk Tolerance and Risk Capacity
- Crop Insurance Role in Marketing
- Basis, Hedging, and Cash Contracts
- Futures, Options and Spreads
- Building a Grain Marketing Plan

Cost is $30.00. Pre-Register online at go.osu.edu/grainwebinar . Registration deadline is March 8, 2019. Participants will be emailed a log-in information the Friday prior to the webinar.

Seeds & Soils Class to be held March 17

Join us for a fun-filled day of learning about seed starting and soil sampling at the Seeds and Soils Class, sponsored by Morrow Soil and Water Conservation District and OSU Extension Morrow County. The class will be held on March 17 at 2:00 p.m. at the Headwaters Outdoor Education Center, 151 Home Rd., Mt. Gilead, OH 43338.

Participants will learn how and when to start your vegetable and flower garden seeds. Seed starting supplies and some seeds will be provided. The importance of soil sampling and how to do it will also be discussed.

For questions, contact Carri Jagger at 419-947-1070 or email Jagger.6@osu.edu OR Matt Stooksbury at 419-946-7923 or email mocoswcd@redbird.net

Ohio Agricultural Law Blog—In the Weeds:
Taking a Closer Look at the Lake Erie Bill of Rights

By Evin Bachelor, Law Fellow,
Agricultural and Resource Law Program

Lake Erie once again made headlines when the Ohio Supreme Court recently decided that a "Lake Erie Bill of Rights" (LEBOR) initiative could be placed on the Toledo ballot on February 26, 2019. The decision raised alarm in Ohio's agricultural community and fears that, if passed, the measure will result in litigation for farmers in the Lake Erie watershed.

The OSU Extension Agricultural and Resource Law Program took a close look at LEBOR. Specifically, we wanted to know:

- What does Toledo's Lake Erie Bill of Rights petition mean?
- What does the petition language say?
- What happened in the legal challenges to keep the petition off the ballot?
- Have similar efforts been successful, and if not, why not?
- Who has rights in Lake Erie?
- What rights do business entities have?

We examine all of these questions, plus a number of frequently asked questions, in a new format called "In the Weeds." While many of our readers know of our blog posts and law bulletins, explaining this issue required something different. Using "In the Weeds" is a way for us to dig into a current legal issue more in depth.

For answers to the questions above and more, visit https://farmoffice.osu.edu/blog to view the new "In the Weeds: The Lake Erie Bill of Rights Ballot Initiative." Or stop by our office and we can print you a copy.

AGRICULTURE

Landscaping with Native Perennials

Join the OSU Extension Morrow County Master Gardener Volunteers to learn about Native Perennials and how to landscape with them on April 23rd at 6:00 p.m. at the Ag Credit Building 2nd Floor Conference Room, 5362 US Hwy 42, Mt. Gilead, OH 43338.

Gale Martin, owner of Natives In Harmony Nursery, Marengo, Ohio, and Brandon Parks will be teaching about Natives and dhow to use them in your landscape.

There will be Native Plants and Seeds available for purchase!

Soybean Planting Date, Seeding Rate, and Row Width

Before heading out to the field this spring, download a free pdf of the recently revised Ohio Agronomy Guide available here: https://stepupsoy.osu.edu/soybean-production/ohio-agronomy-guide-15th-edition Also, check out other information related to soybean management at http://stepupsoy.osu.edu.

Planting date. Planting date strongly influences soybean yield. In 2013 and 2014, we conducted a planting date trial at the Western Agricultural Research Station near South Charleston, Ohio. In both years, soybean yield decreased by 0.6 bu/ac per day when planting after mid-May. The greatest benefit of planting May 1 to mid-May is canopy closure which increases light interception, improves weed control by shading out weeds, and helps retain soil moisture.

However, planting too early (before field conditions are adequate) comes with a risk. Factors such as damping-off and pressure from bean leaf beetle are concerns to keep in mind, as well as the possibility of a late spring frost. (Our early May planting date in northeastern Ohio in 2013 was damaged by bean leaf beetle and two frosts that occurred mid-May.)

Before heading to the field, consider the conditions you will be planting into. Soybean germination begins when soil temperatures reach 50°F and moisture is present at the planting depth of 1-1.5 inches. Do not plant early if the soil is excessively cold or wet. Slower germination and compaction can negate the benefits of the earlier planting date. Timely planting is critical for maximizing yield in soybeans, but using good judgement on field conditions plays a role that is equally important to determining yield potential.

Seeding rate. When soybeans are planted in May, a final (harvest) population of 100,000 to 120,000 plants per acre is generally adequate for maximum yield. Final soybean population depends on germination, emergence, disease and insect pressure, competition from other plants, etc. In most situations, 140,000 seeds per acre should result in at least 100,000 plants per acre at harvest.

Row spacing. In Ohio, most soybeans are planted in row widths ≤ 15 inches. Soybeans grown in narrow rows (≤ 15 inches) tend to outyield soybean produced in wide row width (30 inches) due to increased sunlight interception in narrow rows. Row width should be narrow enough for the soybean canopy to completely cover the interrow space by the time the soybeans begin to flower.

In our 2016 row width study, soybeans grown in 7.5 and 15-inch rows yielded similarly while soybeans grown in 30-inch rows yielded on average 15-20% lower. Our trial located at the Western Agricultural Research Station in Clark County was planted the end of May (pictured below). In June, the soybeans planted in 30-inch rows looked better than the soybeans planted in 15 and 7.5-inch row widths. However, the soybeans planted in 30-inch rows did not achieve canopy closure until after July 15. The 30-inch plot pictured below yielded 59 bu/acre while the 15 and 7.5-inch plots pictured below yielded 81 and 85 bu/acre, respectively.

The LL-GT27 soybean – what's legal?

We are starting to see the availability of soybean varieties with more than two herbicide resistance traits, which can expand the herbicide options, improve control, and allow multiple site of action tank mixes that reduce the rate of selection for resistance.

One of these is the Enlist soybean, with resistance to glyphosate, glufosinate, and 2,4-D. As of this writing, full approval for the Enlist soybean is still being held up by the Philippines (because they can apparently).

The other is the LL-GT27 soybean, which has resistance to glyphosate, glufosinate, and isoxaflutole (Balance). There is no label for use of isoxaflutole on this soybean yet, but it is legal to apply both glyphosate and glufosinate.

In Ohio, as long as neither label prohibits applying a mixture of two herbicides labeled for a specific use, it's legal to apply the mixture. So, it's also legal to apply a mixture of glyphosate and glufosinate to the LL-GT27 soybean. There is no label that actually mentions or provides guidance for this mixture, which does not affect legality, but could affect who assumes liability for the recommendation to apply a mixture if that matters to you.

Some seed companies are making the recommendation for POST application of the mix of glyphosate and glufosinate to the LL-GT27 soybean in printed materials. Our interpretation after discussion with ODA, is that these materials are essentially supplements to labels, and so the seed company would assume some liability for the recommendation.

Our assumption is that for the POST application of this mixture, the glufosinate is carrying most of the load for the control of ragweeds, marestail, and waterhemp, which generally have resistance to glyphosate. Glufosinate could use some help on larger giant foxtail, and definitely needs help on several grasses that it's weak on – barnyardgrass, yellow foxtail, etc.

Many users of LibertyLink soybeans have made it a practice to consistently add a POST grass herbicide such as clethodim. For the LL-GT27 soybean, one would have the choice of going this route or replacing the clethodim with glyphosate to control grasses or perennial weeds. WA couple of other things to keep in mind:e have had a lot of insightful questions from growers about the wisdom of mixing a systemic and contact herbicide together.

While there's not much research-based information yet on how well glyphosate and glufosinate work together, there's probably not much issue with adding a low rate of glyphosate to glufosinate to control grasses. And we have other examples where contact and systemic herbicides are successfully used together – e.g. Gramoxone + 2,4-D + metribuzin; glyphosate + fomesafen. A colleague at Purdue related that the two herbicides require different types of surfactants which creates an interesting dilemma. Both products contain a full surfactant load though, so a mixture should have plenty of whatever surfactants are being used for sure.

A couple of other things to keep in mind:

- In mixtures of systemic and contact herbicides, it's important to optimize the application parameters for the contact herbicide. In this case, it's especially important to optimize the glufosinate since it's controlling the glyphosate-resistant broadleaf weeds. Optimizing glufosinate means higher spray volumes and smaller spray droplets, compared to what is needed for glyphosate alone (which works with almost any spray parameters). Both herbicides require the addition of AMS. Keep in mind also that glufosinate requires warm, sunny conditions for maximum activity. And the activity of both herbicides is reduced in late evening through early morning.

- Sources tell us that, depending upon glyphosate rate, the cost of adding clethodim versus glyphosate to glufosinate is a wash to a slight advantage for glyphosate. Higher rates of glyphosate will be needed where perennial weeds are the target. The long-term potential for herbicide resistance could also be considered as part of the cost-benefit analysis here. Populations of glyphosate-resistant annual grasses have become more prevalent in soybean-growing areas. Continuous use of glyphosate for control of annual grasses in soybeans can increase the rate of resistance development, especially where glyphosate is used as a primary POST herbicide in corn also. Paying somewhat more for clethodim in certain years of the rotation may therefore provide long-term weed management benefits compared with use of cheaper glyphosate.

Morrow County Hydrangea School

The Morrow County Master Gardener Volunteers will host the Morrow County Hydrangea School on Thursday, April 25th from 6:30-8:30 p.m.

Location: OSU Extension Morrow County (Ag Credit Building) 5362 US Hwy 42, Mt. Gilead, OH 43338.

Cost: $30.00 per person (includes a plan to take home)

Space is limited so register early!

REGISTRATION INFORMATION: Registration includes the program and handouts. Please mail completed registration form to OSU Extension Morrow County, 5362 US HWY 42 Mt. Gilead, Ohio 43338, or drop off the registration to the OSU Extension Office by April 19th, 2019. The program is filled on a first come, first served basis.

Morrow County 2019 Hydrangea School

Please send completed form by April 19th, 2019 to:
OSU Extension - Morrow County, 5362 US Hwy 42, Suite 101, Mt. Gilead, OH 43338

Name(s) _____

Address _____

_____

Phone _____

Number Attending:_____ x $30 =_____

Pasture and Forage Management Field Day

A FREE Pasture and Forage Management Clinic will be held Saturday, April 27 from 9:00 a.. to 3:00 p.m. at C.A.B.B. Farms, 8888 St. Rt. 314, Lexington, OH 44904.

Registration begins at 8:45 a.m. and the class will start promptly at 9:00 a.m.Lunch at noon will be provided by the Morrow County Cattlemen. An afternoon session will be held from 1:00-3:00 p.m.

Topics for the day will include:

- Soils and Fertility
- Seeding: rates, variety, quality, timing
- Poisonous weeds and management
- Hay making
- Alfalfa management
- Fence and Water

Please RSVP to the OSU Extension Officr at 419-947-1070 or Jagger.6@osu.edu by April 19th.

Morrow County Youth Joins Teens from Across the U.S. at National 4-H Youth Summit on Agri-Science in Washington, D.C.

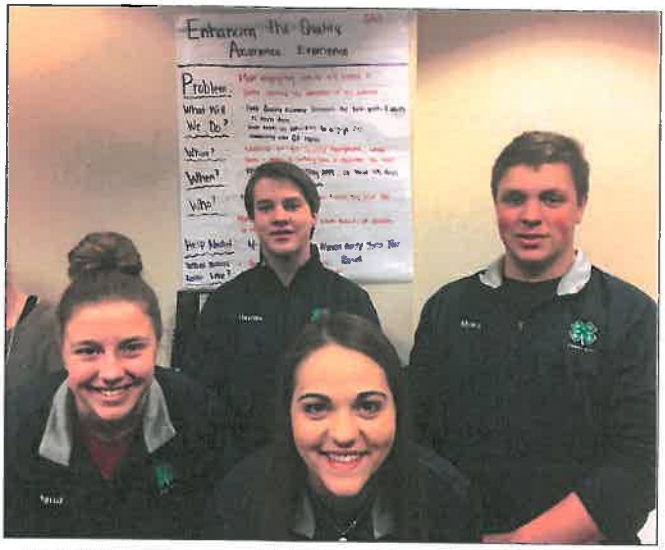
With increased challenges facing our communities and the agriculture industry, it is essential to design youth-driven programs dedicated to identifying ways to improve health, agriculture and food. Four local innovators of tomorrow, recently got the chance to hone their agri-science skills at the National 4-H Youth Summit on Agri-Science in Washington, D.C.

For three days, Emma Burchett, Delisa Goodman, Myles Jordan, and Hayden Styer participated in a variety of sessions on topics focused around precision agriculture, food and health, animal science, wildlife biology, biobased products and bioenergy. With support from industry leaders, youth had the opportunity to not only build skills and knowledge, but also explore careers in the agri-science industry.

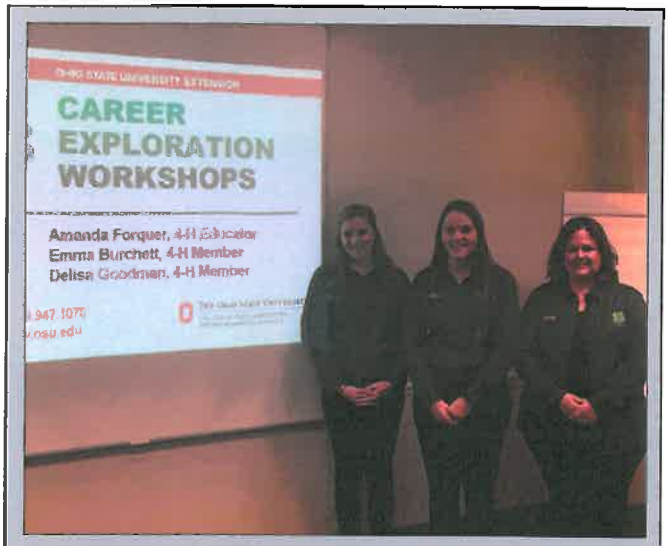
These youth talked with many professionals in the agri-science industry and were able to have many of their questions answered in regards to research being done, careers, internship opportunities, and more. They were able to see research and concepts that they had never seen before. Who knew that there is a tiny drone being designed that could potentially do the work of a honey bee?

Throughout the Summit the group of four was challenged with coming up with an action plan to address a local challenge within their community. The project they chose was to work with the OSU Extension office to help develop a more interactive quality assurance program for youth. Emma, Delisa, Myles, and Hayden have all participated in this program before and would like to help improve it to make it more hands-on for the youth of the county.

The 2019 National 4-H Youth Summit on Agri-Science was sponsored by Bayer, The CHS Foundation and ADM.

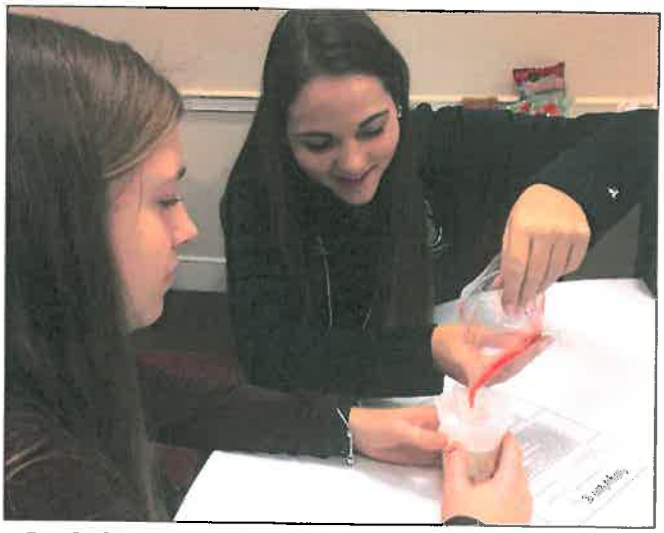


Emma Burchett, Delisa Goodman, Hayden Styer, and Myles Jordan pose in front of their poster before they talk with other teens from across the U.S. about their community action plan.



Morrow County presenters

Emma Burchett, 4-H member; Delisa Goodman, 4-H Member; and Amanda Forquer, 4-H Educator; were invited to be presenters at the National 4-H Youth Summit on Agri-Science in Washington D.C. They presented on the Career Exploration Workshops that were created by Amanda and are held for Morrow County youth to experience different careers for a day. Due to being presenters, the Bayer Corporation sponsored them to attend the Summit. For more information about the workshops go to www.go.osu.edu/careerexploration.



Emma Burchett and Delisa Goodman working on a DNA extraction activity.

4-H NEWS

4-H General Information

4-H Enrollments Due April 15th!!!

The deadline to enroll for 2019 is April 15th, at 11:59 p.m.

Quick and Easy Enrollment Steps

1. Go to http://oh.4honline.com – you may want to bookmark this page. **Use Google Chrome or Firefox. DO NOT use Internet Explorer!**

2. Follow New or Returning Member instructions below – **DO NOT CLICK SUBMIT UNTIL YOU HAVE TRIPLE CHECKED YOUR PROJECT ENROLLMENTS or you will have to call the office for changes.

a. New Members/Families –

• Create a family profile by selecting "I need to setup a profile."

• Add youth profiles under your family profile by selecting "Add a New Family Member".

• Create the 4-H record by working through the following items by clicking "continue" at the bottom of each screen: Personal Information, Additional Information, Health Form and Participation Information.

b. Returning Members –

• You will need to use the email your family used to enroll in 2018!!! Your 4-H Advisor has this information if you have forgot or you can call our office. If the email is not valid you have to call us with your new email before proceeding. DO NOT create a new profile. Proceed to enroll once you have the correct email.

You can use "I Forgot My Password" if you have forgot it, but you need access to that email. Remember don't click "submit" enrollment until you are sure you are done selecting your club and projects. You can log in and out until you are finished and click "Submit Enrollment."

3. After you click "Submit Enrollment", you will get an email from the system. During the next couple of days the Morrow County Extension Office will review all information submitted. The member will then receive an email confirmation once membership approval is granted by the OSU Extension-Morrow County office.

4-H Membership Eligibility!

Just a reminder and clarification on membership eligibility for 4-H members.

* Youth may join the cloverbud program (Non Competitive) when they are in kindergarten and five years old as of January 1, 2019.

Youth may begin taking 4-H projects when they are 8 years old and in the 3rd grade as of January 1, 2019 and/or **any youth age 9 or above is eligible for projects, regardless of grade level.**

The last year of 4-H eligibility is the year in which a youth turns 19 years old (example: if you turned 19 years old on July 12, 2018 your last year in 4-H was in 2018).

Want to Start a 4-H Club??

1st - Become an approved 4-H Volunteer! You will have to fill out an application, go through an interview, pass a background check, and attend a new volunteer training.

2nd – Start your Club! The minimum club requirements are:

a. At least 5 youth from 3 different families

b. Have at least 6 regular club meetings

c. Elect officers.

d. Agree to provide a welcoming and safe environment.

e. Agree to provide/plan learning experiences. (Ex: Guest speakers, field trip, all club learning activities)

f. Agree to follow county, state and national 4-H guidelines.

2019 4-H New Volunteer Training Opportunities

New Volunteer Trainings (mandatory for new volunteers, but open to all current volunteers):

• February 26th, 7:00 p.m., RSVP by the Feb. 25

• March 12th, 9:00 a.m., RSVP by March 11th

• March 12th, 7:00 p.m., RSVP by March 11th

• April 9th, 7:00 p.m., RSVP by April 8th (last new volunteer training for the 2019 4-H year)

- You must RSVP the day before!!

- I will not have the session if I do not have anyone RSVP!!

- If you have to cancel please call our office as soon as possible!

From the Junior Fair Office

News from Shelby & Lisa

It's time to start thinking Fair!!! Have you given any thought to what projects you want to take this year? So many to choose from and we have some exciting new additions to your project opportunities. Check these out:

- Small Equine
- Geology: Can You Dig It?
- Seeing Through Graphic Design
- Crossbow
- Under Self Determined: Crop Production

What has the Jr. Fair Board been up to these last few months? First I want to introduce to you the 2019 officers: President - Nick McKinney, Vice President - Tyler Brown, Secretary - Emma Burchett, Treasurer - Joey Linnabary, Asst. Secratary and Treasurer - Mamy Heilman, Historian - Alex Scott.

The first activity we participated in was the Ohio Fair Managers Convention in early January. The board attended some learning sessions that gave us some great ideas to help us create an even better fair experience for all exhibitors. Then towards the end of February was the Carhartt Convention. As we have done in the past few years, the board ran a concession stand in the main show arena. Coming up in the next few months we will hold our training night and participate in the running of Quality Assurance.

We have set dates for this years Quality Assurance sessions. ****REMEMBER** all exhibitors taking an animal project to the 2019 Fair must attend Quality Assurance. The dates this year are: April 30th, May 22nd and June 17th.**

Revisions to 2019 fairbook

• **In the Beef Department:** The rule that states there must be 2 exhibitors and 3 entries to make a class is being removed.

• **In Rules Governing the Junior Fair:** In Responsibilities of and assistance given to Junior Fair Exhibitors, Rule B9 will be removed. This stated that a guest speaker of the 4-H, FFA Chapter or other youth organization could groom an animal at the fair for demonstration purposes. The second B will be removed. This states that ON SHOW DAY ONLY physical help may be provided by Parent/Step-parent, Guardians, Siblings/step-siblings, Grandparents or any MORROW County Jr. Fair Exhibitor.

• **In the Goat Department:** The use of prong collars will now be permitted in the show arena.

• **In the Sheep Department:** All Brockleface Breeding classes will be removed. This is in accordance to the way classes are at the Ohio State Fair.

• **For all Livestock Departments:** Breeding and Market registration papers will now be shown on move in day of fair.

• **Girl Scouts:** An updated version of Girl Scout Rules and project classes has been added.

Please be sure to check your family handbook that your 4-H advisors gave to you for born by dates and possession dates of livestock.

Shelby Perkins, Jr. Fair Coordinator, 419-560-7046

Lisa Duckworth, Assistant Jr. Fair Coordinator, 419-560-7101

Office phone: 419-947-1567

Email: Morrowcountyjrfair@gmail.com

Project Enrollment for 4-H and FFA Members and Showing Animals at the Ohio State Fair

4-H members must be enrolled in their county in the project in which they enter to show at the Ohio State Fair Junior Livestock Shows (including poultry, rabbits, and dogs), regardless of whether that project is offered for county exhibition.

(1) For example: To show in a gilt class at the Ohio State Fair, youth must be enrolled in project 140 Swine Breeding Project and Record Book. (2) For example: To show a dairy feeder at the Ohio State Fair, youth must be enrolled in project 117DF Dairy Beef Feeder (Market); (3) For example: To show breeding poultry (chickens) at the Ohio State Fair, 4-H members must be enrolled in project 150CE, Exhibition Chickens; to show breeding poultry (ducks), they must be enrolled in project 150DE, Exhibition Ducks, and so forth. (4) For example: To show a dog in agility at the Ohio State Fair, 4-H members must be enrolled in project 201P, Performance; to show the same dog in obedience, project 201O, Obedience, etc.

FFA members must enter to show at the Ohio State Fair the same animal project they are taking through their Supervised Agricultural Experience (SAE).

(1) For example: To show a market lamb at the Ohio State Fair, FFA members must be taking market lambs as one of their Supervised Agricultural Experiences. For example: (2) To show a beef breeding heifer at the Ohio State Fair, FFA members must be taking breeding beef as one of their Supervised Agricultural Experiences.

Note: The same animal cannot be enrolled in two projects in the county (exception dog projects and 4-H PetPALS), with the youth planning to enter one or the other project at the Ohio State Fair. Decisions must be made by project enrollment deadline or county's animal identification deadline (whichever comes first). (1) For example: A youth is not permitted to enroll the same beef animal in a breeding project (117B Beef Breeding) AND in a market project (117M Market Beef). (2) For example: A youth is not permitted to enroll the same rabbit in a pet rabbit project (Pet Rabbit Project and Record Book 227) AND in a breeding rabbit project (Breeding Rabbit Project and Record Book 225). She/he must choose which project in which to enroll that animal by county deadlines for that species. (3) Exception dog projects: For example: Youth may enroll the same dog in multiple dog projects such as in You and Your Dog (201D); Obedience (201O); Performance (201P) and Showmanship (201S) provided that dog can perform the required exercises of each project at the Ohi-o State Fair. (4) Exception: 4-H PetPALS: Youth may enroll in a pet rabbit project (225) and 4-H PetPALS (230), or 150CE Exhibition Chickens and 230 4-H PetPALS, etc. with the same animal.

4-H NEWS

4-H General Information

Celebrate Ohio 4-H Week

As clubs get started for the 2019 4-H Year, consider doing something to celebrate "Ohio 4-H Week" held March 3 – 9. How about having your club's kick off meeting during this week? A display in a business highlighting your members and their projects? A promotional display to join 4-H? Donating items/dollars to a worthy cause or organization? Send an article to the newspaper? The ideas are endless!!!

Cloverbud Fun Day

Mark your calendars! Cloverbud Fun Day will be held Saturday, June 29th, 2019!

More information will be available in the next newsletter.

Animal Project Born By/Hatch Dates

A complete list of requirements in your 4-H Family Handbook or found on the http://morrow.osu.edu website.

Listed are our fair requirements for some of the animals born/hatched early in 2019.

- Market Feeder Calves - Born January 1 to April 1
- Market Hogs - Farrowed/Born after February 1st (ideally born mid February – early March)
- Market Goats - Born after January 1
- Market Lambs - Under 1 year of age by fair
- Breeding Poultry Pairs – Under 1 year of age by fair

New Books for The County Projects!

We are excited to announce we have revamped (borrowed new books from other scores) the Pies, Candy, and Cookies Books!! When filling out your enrollment forms don't forget to consider the county projects not listed in the State 4-H Family Guide. Morrow County created these projects from members/advisors/ parents suggestions and needs. They all have project books and are free to members.

1002 - Pies, 1003 - Candy, 1004 - Cookies

Morrow County Junior Leaders Club

We are looking for a few (actually many) Junior Leaders. Come join us on the last Monday of every month from 7:00-8:00 p.m. at the Extension Office. Help with county activities, learn team building, and have a good time! Mark us on your calendar!

2019 Youth Conservationist Program

Youth interested in applying for the 2019 Youth Conservationist Program

- Must be between 9 and 18 years old.
- Submit an application postmarked by April 1, 2019 that includes:

*An essay which introduces you and your experience with animals. Your essay should explain your interest in sheep and answer the question: "Why I would like to help preserve a heritage breed of sheep." If for any reason the animal will not be kept at your own home, please explain in detail where it will reside and what exactly your responsibilities will be.

*The applicant should indicate if they wish to be considered for a particular breed or for any of the breeds available.

*Each applicant must include a letter of recommendation from their 4–H advisor, FFA advisor, veterinarian, teacher or clergy.

*The total application/essay should be no more than 2 pages in length.

*The application must include address, phone and if available, email address. Interested young people should contact Elaine for an updated list of breeds available, then submit their letter of application/essay to: Elaine Ashcraft, 46118 CR 58 Coshocton, OH 43812

ALL ESSAYS MUST BE MAILED. EMAILED ESSAYS WILL NOT BE ACCEPTED!

Requirements if selected:

- Must be present to receive the ewe at the Maryland Sheep & Wool Festival on Sunday, May 5, 2019.
- Must exhibit the ewe at least twice in 2019 at: 1) a county fair or local sheep show and 2) the State Fair in the state where the recipient lives.
- Must breed the ewe to a registered ram (of her breed) in the fall of 2019, should consult the donor breeder for their recommendations.
- Must either use the ewe's fleece to personally make a wool item or sell the fleece to a spinner, felter or weaver.
- Must submit an article, the following Feb/Mar to their local newspaper covering their year and including information concerning the next year's YCP program.
- Must submit a scrapbook to the Donor Breeder by April 30, 2020 and provide a scrapbook to be used at the Maryland Festival which is then given back to the youth.

Any questions please contact Elaine Ashcraft 46118 CR 58 Coshocton, Ohio 43812 By phone at (740) 622–1573 or by email at tankewe_cr58@yahoo.com (please note the underscore between "tankewe" and "cr58")

Donors select the recipients from the essays submitted by the youth.

2019 Quality Assurance (QA) Rules, Test Out Opportunities and Sessions

Morrow County Rules: All youth project members taking livestock (market and breeding) and horses are required to attend a quality assurance session annually or test out when eligible. **NEW: Quality Assurance must be completed by July 12 in order to show at the Morrow County Fair.**

Parents/Guardians are <u>required</u> to attend the first two years of a project member's required QA sessions. All QA sessions for the year need to be completed by fair entry deadline.

**Test out opportunities are <u>only</u> for youth in their 3rd year or beyond and 12 years old and older as of January 1, 2019. Test out age groups 12 to 14 <u>and</u> 15 and older. Youth who pass the test at age 15 or older will not need to test nor attend a quality assurance again.

<u>**Test Out Opportunity:**</u>

Monday, April 1st, Ag Credit Building, 5362 US Highway 42, 2nd Floor Conference Room, 4:30 – 6:30 p.m.

Northmor and Highland H.S will have test out opportunities in March or April.

***listen for announcements at school for information and/or ask the Agriculture Teachers

(2020 Test out sites – Cardington and Mt. Gilead)

<u>**Morrow County Quality Assurance Sessions:**</u>

- April 2nd, Livestock QA General, Ag Credit Building, 6:15 PM, **RSVP Required, Only 40 seats** 419-947-1070
- April 30th, Livestock QA General, Fair Grounds, 6:15 p.m.
- May 22nd, Livestock QA General, Fair Grounds, 6:15 p.m.
- June 17th, Livestock QA General, Fair Grounds, 6:15 p.m.
- May 29th, Horse Projects Only QA/Safety Clinic, Fair Grounds, 6:15 p.m.

Quality Assurance Opportunities – There are several state QA opportunities, such as Beef Expo (March 15, no registration), OSU Junior Swine Day (March 30th, registration required), and the Youth Poultry Clinic (April 13th, registration required)

Horse project members may attend any session.

4-H NEWS

4-H General Information

Cattlemen Association Scholarship

The Morrow County Cattlemen Association will again be sponsoring 2 or more scholarships to qualified candidates. First priority for the scholarship will be to students whose parents own and operate an active beef farm. Students may major in any field of study which leads to post high school degree.

Applications will be mailed to last years exhibitors. They will also be available through the school guidance offices, FFA teachers, our scholarship committee and the OSU Extension office. Applications will be due April 1st to: Julie Logan, MCCA Scholarship Committee, 6891 Twp Rd 45, Mansfield, Ohio 44904

Morrow County Pork Producers Scholarship

The Morrow County Pork Producers will be sponsoring $500 scholarships to qualified candidates. Scholarship preference will be given to students who are actively involved in the pork industry. Students may be majoring in any field of study, which leads to a post-high school degree.

Eligibility:

1. Student must be entered or entering into an accredited, post-high school academic degree program.
2. Applicants must be a resident of Morrow County or graduating from a Morrow County School District.
3. An individual may only receive the scholarship once.

Applications are available on the morrow.osu.edu website or by stopping by the OSU Extension Morrow County office. Application deadline is April 5, 2019.

NEW Small Equine project!! Horse Club Not Required!

1. Small Equine is defined as 38 inches or shorter when measured at the base of the last hairs of the mane. (Uniform Rules for 4-H Horse Shows, pg. 10). 4-H/FFA Small Equine can be female or gelding – no stallions. **Small Equine will be disqualified at fair if they do not measure 38 inches or less.**

2. Members wishing to participate in the 4-H/FFA Small Equine program and Jr. fair show can be members of a 4-H Horse & Pony Club **OR a general 4-H Club and FFA chapter. (Riding horses will still need to be part of a 4-H Horse and Pony Club or FFA chapter)**

3. Small Equine project members are not eligible for riding horse awards and scholarships sponsored by the 4-H Horse and Pony Committee.

4. Members in this project must:

A. Enroll in a 4-H or FFA Horse Project

B. Complete Equine Record Book 190R

C. Bring equine to measuring/body condition check at fair

D. If first time with a 4-H horse project attend Horse Safety Program on May 29th (or contact the Extension Office to watch safety videos) OR attend a general QA program.

E. Complete and turn in all Horse/Pony Identification and Permission Forms – Due June 1

F. Make an Entry (s) on the Jr. Fair Entry Form

G. Participate in Horse Skillathon

H. Optional – Make a Sr. Fair Entry – Due Aug. 1

I. Notify the Horse and Pony Committee to be stalled in the Jr. Fair Horse & Pony Complex or the Draft Horse Club to be stalled in the Sr. Fair Draft Barns by skillathon.

5. Fair – Small Equine Project must pass Body Condition Scoring held next to 4-H Horse Barn prior to stalling. Not meeting a body score of 4 or higher is cause for dismissal from fair. "Uniform Rules for 4-H Horse Shows, pg. 11, 36. Because of animal welfare concerns and the image that 4-H want to present, horses with a body condition score of less than a 4 (ribs easily discernable, tops of spinous process easily discernable, tail head prominent with hook bones easily discernable, withers accentuated, and neck obviously thin), obviously sick horses, and horses with a Grade of 3 or greater lameness (consistently observable at the trot; marked nodding, hitching, or shortened stride; and minimal weight bearing in motion or at rest) should not be allowed at 4-H shows. The show manager, show vet if available, or the judge can dismiss a horse from the show for these reasons."

6. Small Equine Project members will need to pay required $25 sponsorship by August Skillathon. Small Equine Projects/Members are encouraged to participate in classes held in the 4-H Horse Area only if Small Equine Projects are not shown by non members on Thursday.

<u>Show – Wednesday of Fair – 9:30 AM</u>

Classes (Ages as of Jan. 1):

1. Showmanship - 14 & over
2. Showmanship - 8 – 13
3. Jumping (equine must be 3 years or older)
4. Hunter (equine must be 3 years or older)
5. Pleasure Driving
6. Driving Reinsmanship
7. Cones Ground driving – Equine & Handler may not be entered in any cart driving class

All 4-H and FFA youth must wear proper helmet at any 4-H/FFA/Jr. Fair equestrian activity while riding or driving according to the Uniform Rules for 4-H Horse Shows.

The Uniform Rules for 4-H Horse Shows will be the rulebook used at all events/shows. This book may be purchased at the OSU Extension Office.

Morrow County 4-H Camp Dates!

Mark your calendar for another fun 5 days of camping! 2019 Camp dates are July 9-13th.

Congratulations - New 4-H Reps Selected To 2019 Junior Fair Board

Tyler McKinney	Madalyn Hartley	Myles Jordan	Hayden Styer	Jacob Hamilton
Becca Duckworth	Meaghan Clapper	Kayla Carlyle	Jonathon Artrip	Taylor Rush

Dogs Project Possession by April 1st

If members are taking or planning on taking any of the 4-H Dog Projects, the member is required to have physical possession by April 1. Also be sure to check with and receive from the Extension Office a veterinarian form to keep your dog up to date on shot requirements.

State Animal Science Events!

Find State 4-H Events on the following website: https://ohio4h.org/statewide-programs/animal-sciences

Swine Project Information

Morrow County Pork Producers 2019 Pork Ambassador Application

The ambassador replaces the past queen and princess. Male and female applicant of 4-H project age are eligible. Applications for the Ambassador are due April 5th, 2019. Applications available on the morrow.osu.edu website or by request.

Swine Project Member Needed (4-H and/or FFA)

The Morrow County Fair Board, Morrow County Livestock Sale Committee, and the Morrow County Pork Producers each year provide a Morrow County 4-H or FFA member the opportunity to raise, display, and sell a market hog for the purpose of giving back all Jr. Fair Livestock Auction proceeds to the Morrow County Jr. Fair Building Fund.

A great community service project for any member!

Guidelines:

- Youth must be an active project member in 4-H or FFA of current year.
- Youth must take Market Hog Project 139 as a 4-H member or Market Hog project through FFA.
- Youth must be primary care giver providing day to day care and feeding of the Jr. Fair Building Fund Pig from possession to final sale at the Jr. Fair Livestock Sale.
- Ideally Morrow County Jr. Fair Market hogs should weigh between 220 pounds and 280 pounds by fair weigh-in.
- Youth is responsible for transportation and care to June Market Swine Tag-In and to the Morrow County Fair.
- Youth is responsible for entering the Market Hog on their Jr. Fair Entry Form. Youth selected to raise the Jr. Fair Building Fund Pig may take a maximum of 3 market swine to the Morrow County Jr. Fair, with one being the Jr. Fair Building Fund Pig and the other two their Market Hog projects.
- The Jr. Fair Building Fund Pig will not be shown for placing nor any other awards related to muscling, confirmation, or carcass quality.
- Youth must be willing and available for any media events etc.
- The Morrow County Pork Producers will award the youth selected a donated market feeder pig to be raised as the Jr. Fair Building Fund Pig. This pig will be born in February of current year.
- The Morrow County Pork Producers will donate towards purchasing feed for Jr. Fair Building Pig. Receipts must be provided for reimbursement.
- Youth must immediately contact the OSU Extension, 4-H Educator and Morrow County Pork Producer President if any problems, issues, or questions arise.
- The Morrow County Pork Producers, Morrow County Sr. Fair Board and OSU Extension Morrow County will help the youth succeed in making sure a Jr. Fair Building Fund Pig is sold in the livestock sale for the purposes of the Morrow County Jr. Fair Building Fund.

To enter the youth must submit an essay on the topic "Why I want to raise the Morrow County Jr. Fair Building Fund Pig". The essay must describe the facility that youth will use to raise the pig, their ability to raise a market hog, and experiences. Please include pictures of the facilities.

Entries are **Due** April 5th at 4:30 p.m. to the OSU Extension Office, 5362 US Highway 42 Ste. 101 Mt. Gilead, Ohio 43338.

FAMILY & CONSUMER SCIENCES

Plants on the Ground

By Donna Green, Extension Educator, Family and Consumer Sciences, Ohio State University Extension, Erie County

Some of you long time American Idol fans may remember seeing an older contestant in 2010 rapping to a song he wrote called "Pants on the Ground." I'm going to take a little artistic license here and encourage you to get some "plants" on the ground. The reason for the push is because you need the health-promoting benefits of real plants in your home and office.

As our homes become more airtight, they conserve energy, but they also trap synthetic building materials that emit VOC's (volatile organic chemicals). Those VOC's can cause illness and breathing problems. Products such as paint, carpeting, insulation and formaldehyde, and personal products such as deodorant, hair spray, tobacco smoke, and perfume all release VOC's.

At work, it could be those products in addition to copy machines and printers; even your computer screen can emit harmful chemicals. The problem has become so severe that scientists have nick-named it "sick building syndrome."

Dr. William Wolverton, a NASA employee, has been able to show through research that plants protect us from VOC's by emitting oxygen, which in turn absorbs toxins and carbon dioxide. In addition, if you surround the base of your plants with activated charcoal, you can remove even higher concentrations of chemicals through the plant roots.

One house plant can clean approximately 100 square feet of floor space. All plants work, but there are a few that clean better than others. Spider plants, ivy, bamboo, palms, dracaena, philodendrons, pothos, and spathphyllums (peace lilies) are considered to be top performers.

So what are you waiting for? Go to a home improvement, garden, or grocery store and get some plants for your home and office. Or get a start from a friend. I have a few spider plants at home, and they are loaded with "babies" that you can root in a glass of water.

If you decide you want a full-grown specimen, just make sure to coordinate your purchase with Mother Nature. You don't want to be hauling your palm tree out to the parking lot when it is 15 degrees outside. And while you're making your purchase, you can hum my version of "Plants on the Ground" to yourself:

Plants on the ground, Green all around, Lookin pretty smart with your plants on the ground. Stress goes down, Sound goes down, Rooms lookin' lush with your plants on the ground. Sick air gone, Headaches gone, Reduce your carbon footprint with plants on the ground.

Muscle Pain? Roll it Out!

By Jenny Lobb, Family and Consumer Sciences Educator, Ohio State University Extension, Franklin County

As I write this article, I am 36 weeks pregnant, sore and achy. Throughout my pregnancy, I have experienced occasional leg cramping in my calf muscles. I try my best to stay hydrated and take a daily multivitamin to help prevent these cramps, but sometimes they come anyway. Whenever my muscles feel especially tight or achy, I turn to a tennis ball, of all things, to help alleviate the pain! I use a tennis ball for myofascial release, a self-massage technique that helps loosen tight muscles.

I chose a tennis ball for this technique because it is a small, portable tool I already had at home. However, foam rollers are the most common tool used for myofascial release, as they are designed specifically for this purpose. If you belong to a gym, perhaps you have seen people using foam rollers, or maybe you have tried using one yourself! Increasingly, foam rollers can be found among the equipment available for use at gyms and fitness facilities, as people like to use them in their pre- or post-workout stretching routines. They can also be purchased for home use at a reasonable cost; the one-time purchase of a foam roller is no more than the price of a single professional massage!

Regular foam rolling has many benefits. In addition to soothing sore muscles and relieving pain, it can increase your range of motion, improve flexibility, increase circulation and blood flow, contributing to faster recovery after strenuous activity.

The OSU Health Plan offers the following four tips for beginning a foam rolling routine:

1. Ease into it. Foam rolling can be painful at first, so only go as long as you need with the pressure necessary to loosen muscles without causing discomfort. Work an area for 30 seconds to two minutes or until you feel your muscle(s) begin to relax. If the area is especially tender, start by rolling just five to ten seconds at a time, resting a day in between sessions. You may also choose to start with a softer roller and slowly progress to a denser roller as you become more accustomed to the process.

2. Use slow and controlled movement. Give your muscles time to adapt to the pressure you are applying to them by focusing on slow, gentle movements. Aim to cover no more than one inch per second.

3. Avoid joints and your lower back (lumbar spine). Apply pressure only to muscle tissue to prevent injury and further discomfort.

4. Prioritize. If you have multiple tight areas, focusing on all of them every day may be time consuming and unrealistic. Start with the areas you deem most beneficial to work on first, following the tips listed above. Gradually work in other areas as you become more comfortable in your routine.

Finally, keep in mind that foam rolling may not be for everyone. If you have range-of motion issues, a heart condition, chronic pain, or if you are recovering from an injury or procedure (such as a hip-replacement), consult a doctor, personal trainer or physical therapist before foam rolling.

Free Educational Program

Occasional Quantity Cooks

Are you a community member responsible for food preparation and/or service at events including BBQs, potlucks, community dinners, graduations, and food stands?

If you answered yes...

- Are you able to recognize factors leading to foodborne illness?
- Are you aware of the rules for good personal hygiene?
- Are you using sanitary practices for food preparation areas?
- Are you selecting and using safe food preparation practices and equipment?

If you answered "no" to one or more of these questions joins us for the Occasional Quantity Cooks program.

Learn about...

- Time and Temperature Control
- Cleaning and Sanitizing
- Cross Contamination
- Special Considerations - Food Allergies
- Event Management

Program: Occasional Quantity Cooks
When: Tuesday, April 16, 2019
Where: Ag Credit Building, Second Floor Conference Room, 5362 US Highway 42, Mt. Gilead, OH
Time: 6:00 p.m. – 8:15 p.m.
Cost: FREE – provided by your Levy funds
Register: 419-947-1070 by April 12, 2019 so we know how many handouts to provide

Contact Candace Heer at 419-947-1070 or heer.7@osu.edu for information.

FAMILY & CONSUMER SCIENCES

Join us for WALK WITH A DOC!

What is Walk with a Doc?

Walk with a Doc is fun and FREE community walking program. During the walk, you will spend a few minutes learning about a current health topic then enjoy a relaxed and fun walk at your own pace and distance with the doc and other walkers. Bring friends and family! All ages and abilities are welcome!

How do you Join?

No registration is needed. Just show up to the walking location!

When and Where are the Walks?

All walks will take place INDOORS from 12 p.m. – 1 p.m. at the Mount Gilead Cherry Street Administration Building, 145 North Cherry Street. The dates of each walk can be found below:

- March 26th, 2019
- April 30th, 2019
- May 21st, 2019

WALK WITH A DOC Morrow County Partners: Morrow County Hospital OhioHealth, Morrow County Community Center, Mounty Gilead School District, Morrow Family Health Center – Center Street Community Health Center, Morrow County Health District, Ohio State University Extension – Morrow County

For more information, contact Candace Heer at heer.7@osu.edu or 419-947-1070

Staying Positive In Tough Times

By Amanda Bohlen, Family and Consumer Sciences Educator, Ohio State University Extension, Washington County

Last year was a very difficult year for my family, and 2019 has not started any better. Everywhere I turn I am forced to think about the challenges my family is facing. I know I am not alone in the way I feel. I also know that some of you may be living in your worst fear every day. I have spent the last several months trying to keep my head high and not talk about what is going on behind the scenes. I am a very private person when it comes to my family and I do not plaster my every thought on social media. However, keeping all of that inside of me has not been good for my health. I know how to recognize and control my stress but no matter what I tried, I could not escape it.

My family is one of the many dairy families across the United States experiencing farm stress. Living in the unknown of the farm takes away all of my positive energy and can be emotionally exhausting and draining every day. I have had to make a conscience effort to focus on the positives in my life and to let the negatives go. I was able to find an extremely wonderful handout from North Dakota State University Extension called 12 Tools for Your Wellness Toolbox in Times of Farm Stress. I had the amazing opportunity to hear Sean, the author, speak at a conference about rural stress. This resource not only applies to farm stress but to ALL stress that EVERYONE faces.

The list focuses on the following physical, mental, emotional, personal, work, and financial wellness strategies, which will help enhance your mood, renew your energy and help you stay focused:

1. Exercise 20 minutes or more daily (walk, swim, ride a bike, etc.)
2. Get an annual medical checkup with a local health-care provider.
3. Spend 10 minutes planning your day and priorities.
4. Take regular 5- to 10-minute breaks in your day to relax and recharge.
5. Write down 3 things that you are grateful for daily.
6. Share concerns with a counselor or other professional.
7. Take 15 minutes each day for uninterrupted conversation with a spouse or family member.
8. Get involved or stay connected with a friend or group of friends.
9. Discuss needs of the farm operation but do not let them occupy all other aspects of life.
10. Seek constructive feedback on your farm operation and ways to grow or improve.
11. Create a family budget and seek to live within your means.
12. Select three healthy habits you will try to practice daily.

Start today! Which three healthy habits could you begin doing today? So many times, we try to handle things on our own and in reality; we end up doing more damage than good. I strongly encourage you to figure out who is in your support network. Who do you feel comfortable sharing your personal struggle(s) with? I started focusing on the goodness in this world and the amazing people that surround me. My coworkers and friends have been wonderful! They've given me endless amounts of humor to lighten my mood, been a listening ear on tough days and have sent words of encouragement. Don't feel like you have to hold your thoughts in any longer. Open up and focus on the positive outcomes in your bumpy ride.

Chow Line:

Understanding the new food nutrition labels

What are some of the changes I can expect to see on the new food nutrition labels?

One of the biggest changes is a larger, bolder typeface for both calories and serving sizes. The typeface will be easier for people to see and read.

In 2016, the U.S. Food and Drug Administration announced the updated food nutrition label design. According to the FDA, the new design was part of an effort to reflect updated scientific findings to help consumers make better-informed decisions about food choices and maintaining healthy diets.

While the new labels are already on about 10 percent of food packages currently being sold, the FDA is requiring food manufacturers with $10 million or more in annual food sales to have the labels on all of their products by next year. Manufacturers with less than $10 million in annual food sales will have until 2021 to put the new labels on all of their food products, the FDA said.

"The new label reflects updated scientific information, including our greater understanding of the links between diet and chronic disease," the FDA said in a written statement. "It is also more realistic about how people eat today."

Another change you'll see on the labels is more realistic serving sizes, with some packages listing nutrition information per serving as well as per package. For example, the FDA said that on a pint of ice cream, you will see calories and nutrients listed for one serving and for the whole container. (This provides more accurate information for those who, um, may have been known to maybe consume the entire pint in one session.)

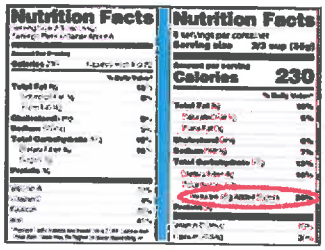
The labels will also list added sugars, which are either added during the processing of foods or are packaged as such; free sugars, mono-sugars, and disaccharides; sugars from syrups and honey; and sugars from concentrated fruit or vegetable juices.

Vitamin D and potassium will also be added to the list of nutrients required on the labels, whereas Vitamins A and C are no longer required to be listed. However, manufacturers can still list Vitamins A and C if they wish.

The information on daily values for nutrients such as sodium, dietary fiber, and Vitamin D have been updated and are used to calculate the percentage of Daily Value (DV) that are on the labels. The percentage of DV provides nutrition information in the context of a daily diet based on 2,000 calories per day.

Lastly, the new labels will no longer list calories from fats.

For more information on reading the new food labels, see ohioline.osu.edu/factsheet/hyg-5586.



A comparison of the old and new food nutrition labels. Photo: U. S. Food and Drug Administration.

Chow Line is a service of the College of Food, Agricultural, and Environmental Sciences and its outreach and research arms, OSU Extension and the Ohio Agricultural Research and Development Center. Send questions to Chow Line, c/o Tracy Turner, 364 W. Lane Ave., Suite B120, Columbus, OH 43201, or turner.490@osu.edu.

OSU EXTENSION CALENDAR OF EVENTS

MARCH 2019

3-9 Ohio 4-H Week
4 Morrow County Dairy Board, 12 noon, Ag Credit Building Conference Room
4 Jr. Fairboard, 7 p.m.
5 ServSafe Manager Training, 8:30-3:30 p.m., Ag Credit Building Conference Room
6 Morrow County Cattlemen, 6:30 p.m., Ag Credit Building Conference Room
9 Ohio 4-H Conference
9 Fruit Tree Pruning Clinic, 2 p.m., Osborne Orchard
12 New Volunteer Training (See Article)
12 ServSafe Manager Training, 8:30-3:30 p.m., Ag Credit Building Conference Room
13 Morrow County Pesticide & Fertilizer Recertification, 5:15 p.m –9:30 p.m., Ag Credit Building Conference Room
14 Pesticide Applicator Test – Ag Credit Building Conference Room, 9 a.m. SHARP
14 Morrow County Pork Producers, 7 p.m, Ag Credit Building Conference Room
15-17 Ohio Beef Expo
17 Seeds & Soils Class, 2 p.m., Headwaters Outdoor Education Center
19 ServSafe Manager Training, 8:30-3:30 p.m., Ag Credit Building Conference Room
20 Ohio Swine Health Symposium, 8:30 a.m., Der Dutchman Restaurant, Plain City, Ohio
20 Master Gardener Meeting, 6 p.m., Ag Credit Building Conference Room
21 Horse & Pony, 7:30 p.m., Ag Credit Building Conference Room
25 Junior Leaders, 7 p.m., Extension Office Conference Room
26 CARTeens, 6:30 p.m. to 8:30 p.m., Extension Office Conference Room
26 Walk With A DOC, Mt. Gilead Cherry Street Admin. Building, 12-1 p.m.
26 Walk With A DOC, 12-1p.m., Mount Gilead Cherry Street Administration Building, 145 N. Cherry Street
28 Sr. Fairboard, Fairgrounds
30 Master Gardeners "Vision Board Activity", 10-1 p.m., Ag Credit Building Conference Room

APRIL 2019

1 Morrow County Dairy Board, 12 noon, Ag Credit Building Conference Room
1 Quality Assurance Test-Out Opportunity,4:30-6:30 p.m., (See Article) Ag Credit Building Conference Room
1 Junior Fairboard, 7 p.m.
2 Livestock Quality Assurance General, 6:15 p.m., Ag Credit Building Conference Room, RSVP
3 Morrow County Cattlemen, 6:30 p.m., Ag Credit Building Conference Room
3 Career Exploration Workshop Registration Due
6 Vegetative Propagation Class, 10-12 noon, Ag Credit Building Conference Room
6 Propagation Class, 10 a.m., Ag Credit Building Conference Room
9 New Volunteer Training (See Article)
11 Morrow County Pork Producers, 7 p.m., Ag Credit Building Conference Room
13 Career Exploration Workshop, 9-3:30 pm, Tri-Rivers Career Center
15 **4-H Enrollments Due On Line**
15 Livestock Sale Committee, 7 p.m., Ag Credit Building Conference Room
16 Occasional Quantity Cooks, 6-8:15 p.m., Ag Credit Building, Second Floor Conference Room
17 Master Gardener Meeting, 6 p.m., Ag Credit Building Conference Room
18 Horse and Pony Committee, 7:30 p.m., Ag Credit Building Conference Room
23 Growing & Landscaping with Native Pollinator Plants, 6 p.m., Ag Credit Building Conference Room
25 Hydrangea Informational Class, 6:30-8:30 p.m., Ag Credit Building Conference Room
25 Sr. Fair Board, Fairgrounds
27 Pasture & Forage Management Field Day, 9-3 p.m., C.A.B.B. Farms
27 Trash Bash Drop Off At Fairgrounds
29 Junior Leaders, 7-8 p.m., Extension Conference Room
30 Last Day To Add/Drop Projects
30 Livestock Quality Assurance General, 6:15 p.m., Fairgrounds
30 Walk With A DOC, 12-1p.m., Mount Gilead Cherry Street Administration Building, 145 N. Cherry Street

MAY 2019

1 Cattlemen's Meeting, 6:30 p.m., Ag Credit Building Conference Room
6 Morrow County Dairy Board, 12 p.m., Ag Credit Building Conference Room
6 Jr. Fairboard, 7 p.m., Fairgrounds
9 Morrow County Pork Producers, 7 p.m., Ag Credit Building Conference Room
15 Hypertufa Class Make & Take, 6 p.m., Ag Credit Building Conference Room
16 4-H Horse & Pony Committee, 7:30 p.m., Ag Credit Building Conference Room
20 Youth Garden Evening at Headwaters Outdoor Education Center, 6 p.m.
21 Walk With A DOC, 12-1p.m., Mount Gilead Cherry Street Administration Building, 145 N. Cherry Street
22 Livestock Quality Assurance General, 6:15 p.m.. Fairgrounds
23 Sr. Fairboard, Fairgrounds
27 Memorial Day, Office Closed
28 CARTeens, 6:30-8:30 p.m., Ag Credit Building Conference Room
29 Horse Projects Only Quality Assurance/Safety Clinic, 6:15 p.m., Fairgrounds

JUNE 2019

1 **ALL 4-H/FFA HORSE PROJECT FORMS DUE TO EXTENSION OFFICE (I.D.'s, PAS, Scholarship, King & Queen Apps., Etc.) (NO EXCEPTIONS)**
1 **Livestock Possession Date (Unless noted differently on requirements)**
1 **Mandatory** Pre-Fair Weigh-In/Registration For Feeders, Market Goats, & Market Sheep, Fairgrounds - 7-11 a.m.
1 **Mandatory** Breeding Rabbit Registration, Youth Building, Fairgrounds, 7-11 a.m.
3 Morrow County Dairy Board, 12 noon, Ag Credit Building Conference Room
3 Jr. Fairboard, 7 p.m., Fairgrounds
5 Morrow County Cattlemen's, 6:30 p.m., Ag Credit Building Conference Room
7 Ambassador Application Due to the Extension Office for Goat, Rabbit, and Poultry
7 **Jr. Fair Entries Due To Junior Fair Office Only**
7 **BBR Papers Due With Fair Entries**
7 **Jr. Fair King & Queen, Scholarships and Award Applications Due**
7 Early Judging Registration Due To Extension Office or Junior Fair Office
13 Morrow County Pork Producers, 7 p.m., Ag Credit Building Conference Building
14 Speaking Contest Registration Due To Extension Office
14 4-H Marketing Contest Entries Due To Extension Office
17 Livestock Quality Assurance General, 6:15 p.m., Fairgrounds
19 How To Enter Flowers In The Fair, 6;00 p.m., Ag Credit Building Conference Room
20 Ohio State Fair Entries Due To State Fair Office
20 Horse & Pony, Ag Credit Building Conference Room , 8 p.m.
24 County 4-H Speaking Contest, 6 p.m., Ag Credit Building Community Room (2nd Floor)
24 Dog Poster's Due To Extension Office
24 Early Project Judging, 6 p.m., Youth Building
27 Sr. Fairboard, Fairgrounds
28 Writing Projects Due To Extension Office
29 Cloverbud Fun Day, 9 a.m. – 12:30 p.m.
30 PAS Horse Show, Morrow County Fairgrounds, Pleasure First, 9 a.m.

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