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Hello, Northeast Ohio Counties!

We continue to move through the winter with great attendance at our local programs. Best of all—there is still a ton of programs left for you to attended this winter.

We have a great crop insurance meeting scheduled for next Monday in Williamsfield—thanks to Frank Piper for spearheading this event. We hope you and yours have a great Valentine’s Day!

David Marrison
Extension Educator
Ag & Natural Resources
Ashtabula County

Lee Beers
Extension Educator
Ag & Natural Resources
Trumbull County
**Make Sure You Say the Right Thing with Roses**
Excerpt from Chris Penrose Ag Column (Morgan County Extension Educator)

If you purchase roses for Valentine’s Day, here are widely accepted meanings for different colored roses, blooms and arrangements. Red roses say “I love you,” and also stand for respect and courage. White roses have several meanings: reverence and humility, innocence and purity, and secrecy and silence. Red and white roses together, or white roses with red edges, signify unity. Pink roses in general symbolize grace and gentility, yellow roses stand for joy and gladness, but can also say “try to care.” Coral or orange roses denote enthusiasm and desire. Two roses taped together to form a single stem signal engagement or coming marriage. A single rose stands for simplicity. In full bloom it means, “I love you” or “I love you still.”

**Crop Insurance Educational Meeting will be held on Monday, February 20 in Williamsfield, Ohio**

It is no secret that farming is a very risky business. It takes a lot of faith to be a farmer because our success is unknown from year to year largely due to weather. Through the Farm Bill legislation, farmers are provided an option to insure their crops through a subsidized federal crop insurance program. During the last farm bill, some significant changes occurred to the crop insurance programs along with the addition of new avenues to protect crops. One of these included the introduction of a Whole-Farm Revenue Protection policy.

In order to educate about the new Whole-Farm Revenue Protection program, the Ashtabula County Extension office will be co-hosting a **Crop Insurance Educational Meeting** with ARMtech Crop Insurance on Monday, February 20, 2017 from 9:00 a.m. to 12:00 noon at the Williamsfield Community Center located at 5920 State Route 322 in Williamsfield, Ohio. This program is free and open to any farmer in northeast Ohio. This meeting is not just for corn and soybean growers but also for grape, apple, nursery, and forage crop producers. Come learn about these insurance products free of any sales pressure.

Melissa Williams, Vice President of Operations from ARMtech Crop Insurance of Lubbock, Texas, will be traveling north will explain the “nuts and bolts” of Whole Farm Revenue Insurance Plans (WFRP), its pros and cons and explain how it may have a place for farmers; especially for ones who are diversified in their cropping programs. A comparison will be made to the other traditionally used crop insurance programs. Learn more about the Whole Farm Revenue Plans, traditional Actual Production History (APH) Plans and Nursery Coverage plans. Wetland Compliance Issues surrounding tiling and clearing land for each of these products will also be shared.

Jennifer Souders, Ohio’s ARMtech Marketing Representative, will share details on the important crop insurance deadlines that producers need to be aware of. These deadlines include sales closing, production reporting, acreage reporting, earliest plant date, and late plant date.

Frank Piper, Ohio Claims Supervisor for ARMtech Insurance Services, will share the new rules with regards to “prevent-plant” acres and the new rules for planting a second crop after a crop failure. Details on the rules of cover crops and how they impact crop insurance will be provided. Learn more on how breaking in new ground may or may not be insurable, and common land unit reporting versus whole farm reporting.

Farmers can also obtain insurance coverage through private means; so representatives from these private companies have been invited to teach as well. Mary Grassbaugh, Private Product Marketing Manager for Armtech Insurance service will be in attendance to share details on Production Cost...
Insurance (PCI). Rob Lensman, Regional Sales Manager for Ag Armour will also be on hand to explain their Harvest Max program. Scott Graves from ARMtech Insurance Services, will share more about Crop Hail and Wind coverages.

At the conclusion of the meeting, producers will be treated to a delicious lunch catered by Bobbie Lahti Catering. This lunch is being sponsored by ARMtech Crop Insurance. There is no fee to attend this program. However, for planning purposes, we are asking that courtesy reservations be made by Friday, February 17 by calling the Ashtabula County Extension office at 440-576-9008. This meeting does not constitute an endorsement by OSU Extension for any particular crop insurance product.

Ohio Legislature is Set to Reconsider CAUV Bill
Written by: Chris Hogan, Law Fellow, OSU Agricultural & Resource Law Program

The Ohio Legislature is once again considering a bill regarding Ohio’s current agricultural use valuation (CAUV) program. CAUV permits land to be valued at its agricultural value rather than the land’s market or “highest and best use” value. Senator Cliff Hite (R-Findlay) introduced SB 36 on February 7, 2017. The bill would alter the capitalization rate used to calculate agricultural land value and the valuation of land used for conservation practices or programs. The bill has yet to be assigned to a committee.

The content of SB 36 closely mirrors the language of a bill meant to address CAUV from the last legislative session: SB 246. Introduced during the 131st General Assembly, SB 246 failed to pass into law. SB 246 proposed alterations to the CAUV formula which are identical to those proposed by the current bill: SB 36. According to the Ohio Legislative Service Commission’s report on SB 246, the bill would have proposed changes that would have led to a “downward effect on the taxable value of CAUV farmland.” The likely effect for Ohio farmers enrolled in CAUV would have been a lower tax bill.

Due to the similarity between the two bills, the potential impacts of SB 36 on the CAUV program will likely be comparable to those of the previous bill. The proposed adjustment of the capitalization rate is likely to reduce the tax bill for farmers enrolled in CAUV. More specifically, the bill proposes several changes to the CAUV formula:

- States additional factors to include in the rules that prescribe CAUV calculation methods. Currently, the rules must consider the productivity of the soil under normal management practices, the average price patterns of the crops and products produced to determine the income potential to be capitalized and the market value of the land for agricultural use. The proposed legislation adds two new factors: typical cropping and land use patterns and typical production costs.
- Clarifies that when determining the capitalization rate used in the CAUV formula, the tax commissioner cannot use a method that includes the buildup of equity or appreciation.
- Requires the tax commissioner to add a tax additur to the overall capitalization rate, and that the sum of the capitalization rate and tax additur “shall represent as nearly as possible the rate of return a prudent investor would expect from an average or typical farm in this state considering only agricultural factors.”
- Requires the commissioner to annually determine the overall capitalization rate, tax additur, agricultural land capitalization rate and the individual components used in computing those amounts and to publish the amounts with the annual publication of the per-acre agricultural use values for each soil type.

To remove disincentives for landowners who engage in conservation practices yet pay CAUV taxes at the same rate as if the land was in production, the proposed legislation:

- Requires that the land in conservation practices or devoted to a land retirement or conservation program as of the first day of a tax year be valued at the lowest valued of all soil types listed in
the tax commissioner’s annual publication of per-acre agricultural use values for each soil type in the state.

- Provides for recalculation of the CAUV rate if the land ceases to be used for conservation within three years of its original certification for the reduced rate, and requires the auditor to levy a charge for the difference on the landowner who ceased the conservation practice or participation in the conservation program.

To read SB 36, visit: https://www.legislature.ohio.gov/legislation/legislation-summary?id=GA132-SB-36

Options for Managing Mud in Pastures This Winter
By: Chris Penrose, Associate Professor and Extension Educator, Agriculture and Natural Resources, OSU Extension, Morgan County (This is an updated article from one first published in the January, 2017 Progressive Forage magazine)

Most forage livestock producers do not mind the cold temperatures in the winter, nor do most mind some snow. One thing we do mind is the mild, wet weather we have had this winter. I think we all know the stress for us when we are trying to feed in the mud, especially if we get stuck. Whether it is our tractor or our boots, it never is a goo Cattle on Stockpiled grass in January

d experience. What happens when our fields are grazed to the ground and our sod can no longer support the livestock, feeders and equipment? The fields decline rapidly, round bale feeders become “mud magnets” and tire tracks rut fields.

Mud also increases stress for our livestock. For example, Smith (1971) indicates that cattle may require 30% more net energy for maintenance. Even shallow depths of mud (4-8”) can reduce feed intake 5-15% (University of Nebraska, 1991) and when mud is 12-24” deep, feed intake can be reduced by 15-30%. Are you losing enough to justify a feed pad? Are there some other things we can do to reduce the problems of mud in the winter?

One of the best things we can do is not to have to feed hay or at least minimize the length of time we feed hay. In addition to not having to take the time and effort to feed, it generally costs three times more to take the feed out to livestock than to let them harvest it themselves. How do we do this? Corn stalks and other crop residue, stockpiled fescue or other grasses, brassicas, small grains are all options to extend the grazing season. Over the past twenty five years, I know of many livestock producers that made into March in the Midwest before they had to feed hay and a few that made it through the winter without feeding hay.

If we get a stretch of weather when we can get out in the fields, a great option is to set out round bales, place them at least 20’ apart, then fence it off with electric, and move the fence as more hay is needed. This works especially well on stockpiled fields so cattle can graze the fields and feed on hay as needed while minimizing “pugging” or trampling of the soil. Another variation I have seen one of our local beef producers do is to only make the bales around 600# and the cows will eat most of the hay and there will not be enough left over to require re-working or re-seeding the site in the spring. One of our farmers in Southeast Ohio still makes the small round bales with his Allis Chalmers baler and stockpiles the field, which works very well. He is a better mechanic and has more patience than me!

When you do feed large round bales there are a few steps to reduce waste. First, feed hay in well drained areas. Next, we should feed hay in small amounts or in a feeder. Finally, feed hay stored outside before hay stored...
inside. If you put out a one week supply of large round bales without racks, you will waste up to 43% of the hay (MU fact Sheet G4570). When you consider the amount of hay that is lost and the reduction of feed intake from the mud, maybe a heavy use feed pad is an option. One of the best setups I have seen is a beef producer with a heavy use pad with a concrete base, a roof over the hay, next to a road. It is very close to a barn where he can grab a bale of hay and set it right into the feeder, greatly minimizing waste and not getting into the mud.

If you have enough fields and can utilize feed cattle can graze, I would argue that is a better option. One thing I do is to divide the herd in the winter into the spring and fall calving groups to spread them out more. I try to graze the bottom ground first then move them on the hilltops later in the winter. In my situation, I am still feeding square bales and using a utility vehicle with large low pressure tires, reducing or eliminating ruts when I need to feed hay. I also place the hay where the ground is the firmest and in areas that need additional fertility. I also save some stockpiled, well drained hilltop ground for the spring calving cows to freshen on in March which will provide a clean dense sod and plenty of feed for the rest of the winter. This should also reduce the chances of young calves getting sick. However, this has been the wettest early in the winter for the longest period of time I can remember and I may have to bring one group of cows back down the hill to feed as it is becoming almost impossible to get up the hill.

Even if you do not have enough pasture to stockpile grass for wither feeding, I challenge you to think outside the box. Hay fields (predominately grass) can be early grazed and/or stockpiled for winter grazing. I know of several farmers that take first cutting hay off neighbor’s fields, and then graze those fields instead of taking off second cutting while stockpiling fields on his own farm for winter grazing.

If we do see we are tearing up some ground, make plans to restore the fields. If the ground is not in too bad of shape, a late winter frost seeding will help. If it needs more help, maybe dragging or light disking followed by a seeding will work. If we do nothing at all, we can expect to lose production for the year. Even if we have the best of plans, many years Mother Nature will win, but hopefully we can try a few things to reduce amount of stored feed we need and reduce the amount of mud during the winter.

**Northeast Ohio Agronomy School to be held on March 15 in Williamsfield, Ohio**

The OSU Extension offices in Northeast Ohio are pleased to be offering the “2017 Northeast Ohio Agronomy School” on Wednesday, March 15, 2017 from 9:30 to 3:30 p.m. at the Williamsfield Community Center located at 5920 State Route 322 in Williamsfield, Ohio. With profit margins decreasing it will be vital for crop producers to get the biggest bang from the dollars they invest in land rental, seed and fertilizer, technology, chemicals, and crop protection in 2017. A full day of topics with seven different speakers has been planned for producers to learn more about the major issues impacting corn and soybean production in northeast Ohio.

**Morning Session-** David Marrison, OSU Extension Educator for Ashtabula County will kick off the morning session helping farmers learn how to comply with the revised Worker Protection Standards which went into effect on January 1, 2017. Learn about the new training requirements, medical fit tests, and the new record keeping requirements. Les Ober, CCA & Program Assistant for OSU Extension Geauga County, will then share strategies for managing herbicide resistant weeds. Marestail has become a huge problem in fields across northeast Ohio. Mr. Ober’s discussion will include more information about a new weed, Palmer amaranth and information on the Roundup, Liberty and ExtendiMax herbicide programs. Russ Coltman, Founder of Coltman Information Management in Conneaut, Ohio will teach producers how to develop a Success Score Card for their farm. Learn how to rate your Financial, Leadership, Marketing, Production, Technology and Wellness Skills and learn how each can drive or stall your business. With profits at historic low levels, it will be important for farmers to analyze all aspects of their business.

**Lunch-** As always, a hearty farmer lunch prepared by Lahti Catering means attendees will not go away hungry! This lunch is sponsored by W.I. Miller & Sons of Farmdale, Ohio and each of our program sponsors will provide a short industry update during lunch.
Afternoon Session- Dr. Anne Dorrance, OSU Professor in Soybean Pathology, will provide an update on OSU Extension’s research on white mold. Dr. Dorrance will also discuss using seed treatments and if there is an economic payback to using them. Dr. Pierce Paul, OSU Associate Professor in Cereal Grain Pathology, will then provide an update on small grain diseases and share information on some of the corn ear diseases which are being seen across Ohio. Dr. Andy Michel, OSU Associate Professor & Field Crop Entomologist, will share tips for dealing with insects in field crops. He will share more information about the Western Bean Cutworm and provide an update on some of the Cry1F failures experienced in Ohio in 2016. And last but not least Glen Arnold, OSU Associate Professor & Field Specialist Manure Nutrient Management Systems, will be on hand to share the results from manure application studies and how producers can reduce nitrogen costs by side dressing with manure from a neighboring dairy farm.

Sponsors & Credits- This workshop is sponsored by the OSU Extension offices in Ashtabula, Trumbull & Geauga Counties with support from W.I. Miller & Sons & the Ohio Soybean Council. Certified Crop Advisor and Private & Commercial Pesticide Credits have been applied for.

Registration-The registration fee for this workshop is $10.00/per person and includes refreshments, lunch, speaker travel expenses, and program handouts. 2017 Weed Control Guides will be on sale for $16 at the workshop. Pre-registration is required by March 8, 2017. Make checks payable to OSU Extension, and mail to Ashtabula County Extension office, 39 Wall Street, Jefferson, OH 44047. A registration flyer can be found at: http://go.osu.edu/ne-events More information can be received by calling the Ashtabula County Extension office at 440-576-9008.

3rd Annual Chili Cook-Off & Family Fund Night to be held on February 24 in Jefferson
The Ashtabula County 4-H Camp Counselors will be holding their 3rd Annual Chili Cook Off and Family Fun Night on Friday, February 24 at the Ashtabula County Fairgrounds in the 4-H Expo building. The event will be held from 5:30 to 7:30 p.m. and your $5 ticket includes chili, cornbread, dessert and beverage and a vote for your favorite chili. The evening will be full of fun activities for the whole family. There will also be a basket palooza. Pre-sale tickets can be purchase from any Camp Counselor or at the O.S.U Extension Office. Enjoy a variety of chili while helping a group of hard working youth.

2017 4-H Carnival to be held on March 7 in Jefferson
The 8th Annual Ashtabula County 4-H Carnival will be held on March 7 during Ashtabula County 4-H Week at the 4-H Expo Building at the County Fairgrounds in Jefferson from 6:00 – 8:00 p.m. This event is open to all to encourage families who are interested in 4-H to come and learn about the programs 4-H has to offer.

The 2017 4-H Carnival will be filled with activities and games for youth to participate in with their family and friends. Fun carnival food, like hot dogs, popcorn, and snow cones will be available by donation for children of all ages. Exciting and interactive activities and games will be offered representing each 4-H program area at the event where questions on projects can be answered by an advisor or species chair that has knowledge in the project area.

Information on Ashtabula County 4-H will be available for all those in attendance. For more information on 4-H programs in Ashtabula County, please contact Jenna Hoyt at 440-576-9008 or via email at hoyt.88@osu.edu or visit our website at www.ashtabula.osu.edu and visit the 4-H Youth Development page.

Trumbull County Master Gardeners Event – Gardening with Native Plants
Trumbull County Master Gardeners will be hosting Ellen Speicher on February 16th from 10am-12pm at the Trumbull County Ag Center as she discusses how to incorporate native plants into your landscape. Native plants are well suited for this environment, and by choosing the appropriate plants, you could have a low/no maintenance garden that is resistant to most pests.
This event is open to the public and costs $15/person. Payment can be made at the door, but we do ask that you pre-register by calling 330-638-6783. The Trumbull County Ag Center is at 520 West Main St., Cortland, OH 44410.

Ashtabula County Beekeepers Association to Hold Meeting on February 18, 2017
The next meeting of the Ashtabula County Bee Keepers Association will be Saturday February 18, 2017 at the Ashtabula County Extension Office located at 39 Wall Street in Jefferson, Ohio. The meeting will begin with a Pot Luck Dinner at noon. Please bring a dish/dessert to share. The meeting will begin at 1:00 p.m. with an Open Topic plus Mystery Speaker. Contact Sharon Riccio at sjriccio@yahoo.com for more details about the meeting.

Join OSU Extension Specialists to Learn More About the Veterinary Feed Directive (VFD)
Trumbull County Extension will be hosting OSU Veterinary Specialists Jeffery Workman, Luciana De Costa, and Muhammed El Gazzar remotely on February 23rd from 6:00 to 8:00 p.m. as they discuss what you need to know to comply with the new VFD. As many of you know, the VFD was implemented by the Food and Drug Administration (FDA) to reduce the volume of antimicrobials fed to livestock in an effort to reduce antibiotic resistance. Medicated feeds that were once readily available now require a VFD, or a prescription from a veterinarian. The VFD went into effect on January 1st, and there still remains confusion about the directive, and what a producer/retailer must do to comply.

Come join us for this FREE event to make sure that your farm is in compliance, or your 4-H project is ready. The specialists will be joining us remotely via video conferencing at the Trumbull County Ag and Family Education Center, 520 West Main St, Cortland, OH 44410 (OSU Extension Office) from 6-8pm on February 23rd. Space is limited, so we please ask that you call 330-638-6783 to reserve your spot.

Ashtabula County Dairy Banquet to be held on Saturday, March 18, 2017
OSU Extension and the Ashtabula County Dairy Service Unit are pleased to announce the 67th Annual Dairy banquet will be held at the Augustus Center at Camp Beaumont located at 2429 State Route 45 in Rock Creek, Ohio beginning promptly at 7 p.m. The banquet program will consist of the crowning of the 2017 Dairy Princess; the presentation of production and 4-H awards; and the election of two members to the Dairy Service Unit Board. Tickets are $15 per person and can be purchased from Dairy Service Unit Board members, Tom Coltman of Wayne, Joel Baldwin of Sheffield; Jason Brinker of Rock Creek; Lindsey Zaebst of Roaming Shores, Lisa Kalas of Jefferson; and from David Marrison at the Ashtabula County Extension office at 39 Wall Street in Jefferson. Pre-sale tickets are required this year. Please purchase your ticket by March 10, 2017. For more information about this program contact the Ashtabula County Extension office at 440-576-9008.

Ashtabula County Master Gardeners’ Spring Gardening Program at Local Libraries in March
Even though it is still winter, it is not too early to think about spring. The Ashtabula County Master Gardeners would like to invite you to join them at libraries across Ashtabula County during the week of March 18-25. Join teams of the Master Gardener Volunteers to learn more about pollinators, tomatoes and Container & Raised Bed Gardening- The Good, The Bad & The Ugly. The program locations are:

**Saturday, March 20, 2017**
Andover Public Library
10:00 to 12:00 noon
142 West Main Street
Andover, Ohio 44003
440-293-6792

Kingsville Public Library
10:00 a.m. to 12:00 noon
6006 Academy Avenue
Kingsville, Ohio 44048
440-224-0239

**Ashtabula Public Library**
1:00 to 3:00 p.m.
335 West 44th Street
Ashtabula, Ohio 44004
440-997-9341

**Monday, March 20, 2017**
Harbor-Topky Memorial Library
1:00 to 3:00 p.m.
1633 Walnut Blvd
Ashtabula, Ohio 44004
440-964-9645
These programs are free however space is limited. Please call your local library to reserve your spot! A program flyer can be accessed at: http://ashtabula.osu.edu/program-areas/master-gardener-volunteers/upcoming-educational-programs. This flyer includes the phone numbers for the libraries. More information can also be received by calling the Ashtabula County Extension office at: 440-576-9008 for more details.

**New Pesticide Applicator Training and Testing Dates for Northeast Ohio**

There are many upcoming opportunities for anyone looking to obtain a new private or commercial pesticide applicators license in Northeast Ohio. OSU Extension will be offering a training session for new applicators that will help participants prepare for the CORE pesticide license exam. The class will be offered on March 14 at the Trumbull County Extension office in Cortland, OH. Both classes are scheduled from 1:00 to 4:30 p.m. and cost $35/person which includes CORE study materials and light refreshments. To register for the Geauga class call 440- 834-4656 and to register for the Trumbull class call 330-638-6783.

Pesticide License Exams have been scheduled for the following dates in Ashtabula, Geauga, and Trumbull Counties. To register for the exams visit the Ohio Department of Ag’s website (http://www.agri.ohio.gov/apps/odapr/pestfert-prs-index.aspx) and choose the date and location that fits your schedule best.

- **Ashtabula County**: March 8th
- **Geauga County**: February 22nd, March 22nd, April 26th, May 24th, and June 28th
- **Trumbull County**: March 13th, April 10th, and May 8th.

*Testing begins at 10am at all locations and dates.

**Obtain Your Fertilizer Certification Before September, 2017**

Due to Ohio’s new legislation, any farmer who applies commercial fertilizer to 50 or more acres must attend a fertilizer certification class no later than September 30, 2017. The OSU Extension offices in northeast Ohio will be offering 3 hour certification sessions monthly in 2017 so that producers may obtain their certification. Farmers (from any county) are welcome to attend the session which fits their schedule best.

**Who needs a fertilizer certification?**
Fertilizer certification is required if you apply fertilizer (other than manure) to more than 50 acres used for agricultural production grown primarily for sale. If you have the co-op or other custom applicator make your fertilizer applications, you do not need the certification.

What fertilizer is included in the certification?  
Fertilizer is any substance containing nitrogen, phosphorus, potassium, or other plant nutrient in a dry or liquid formulation. All application types (broadcast, side dress, sub-surface, knifing, etc.) are included in the certification requirement. The only application exempted is start-up fertilizers that are applied through a planter. Lime and limestone are not considered fertilizers in the certification process.

Who is exempt from the training requirement? 
Applicators who are a Certified Crop Advisor (CCA) or Ohio Certified Livestock Manager (CLM) are not required to attend training to become certified for fertilizer applications. They, however, must register with the Ohio Department of Agriculture.

When do I need the certification? 
The certification must be obtained by September 30, 2017.

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<thead>
<tr>
<th>Date</th>
<th>Location</th>
<th>Time</th>
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<tbody>
<tr>
<td>March 21, 2017</td>
<td>Ashtabula County Extension Office</td>
<td>6:00 to 9:00 p.m.</td>
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<tr>
<td>April 12, 2017</td>
<td>Geauga County Extension Office</td>
<td>1:00 to 4:00 p.m.</td>
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<tr>
<td>May 10, 2017</td>
<td>Trumbull County Extension Office</td>
<td>6:00 to 9:00 p.m.</td>
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<tr>
<td>June 14, 2017</td>
<td>Ashtabula County Extension Office</td>
<td>9:00 to 12:00 noon</td>
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<td>August 17, 2017</td>
<td>Trumbull County Field Day (location TBD)</td>
<td>9:00 a.m. to 3:00 p.m.</td>
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<tr>
<td>September 14, 2017</td>
<td>Geauga County Extension Office</td>
<td>1:00 to 4:00 p.m.</td>
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There is no registration fee to attend any of the sessions. However, pre-registration is required as only 40 persons can attend each session. All registrations will be handled through the Geauga County Extension office. Mail the registration form to OSU Extension-Geauga County, PO Box 387, Burton, Ohio 44021. You can also call the Geauga County Extension office (440-834-4656) to registration or to obtain more information. A registration flyer can also be obtained at: http://go.osu.edu/ne-events.

2017-2018 Ashtabula County Beef Scholarships Applications Available
OSU Extension and the Ashtabula County Cattlemen’s Association are pleased to announce they will be awarding two youth beef scholarships for the 2017-2018 school year. One $1,000 scholarship will be awarded to a deserving 2017 High School Senior who will be attending an accredited full four year college or an accredited two year technical institute in 2017-2018. In addition, one $500 scholarship will be awarded to a current College Student who is currently attending an accredited full four year college or an accredited two year technical institute.

Applicants must be resident of Ashtabula County. The first preference by the Ashtabula County Cattlemen’s Association is the scholarships be awarded to deserving students who have been involved in the beef industry as a youth. Examples of this could include: working on a family beef operation; involved with a beef project through 4-H or FFA; or works on a local beef farm. The second preference for the scholarship recipients would be awarded to students who are currently or will be studying a beef related field in accredited full four year college or an accredited two year technical institute. Previous winners of the $1,000 High School Senior Scholarship are eligible to apply for the $500 College Scholarship. However, the $500 college scholarship can only be received once by a student during their college career.

Applications must be received by the Ashtabula County Cattlemen’s Association by May 1, 2017 by 4:30 p.m. for consideration for the scholarship. No late applications will be considered. The application can be obtained at: http://go.osu.edu/ne-events. Additional information can be obtained by calling the Ashtabula County Extension office at 440-576-9008.
Applications for 2017 Ashtabula County Dairy Princess Being Accepted
OSU Extension and the Ashtabula County Dairy Service Unit Board of Directors are pleased to announce that applications are now being accepted for the 2017 Ashtabula County’s Dairy Princess Program.

This year’s princess will be crowned at the 67th Annual Ashtabula County Dairy Banquet on Saturday evening, March 18, 2017 at the Augustus Center at Camp Beaumont in Rock Creek, Ohio. As part of the competition, each contestant will be interviewed by a panel of judges and be required to present a two-minute speech relating to the dairy industry or her involvement in dairying. The new princess will be selected based on her interview score in combination with a vote of the dairy producers in attendance at the banquet.

Contestants must have a dairy background and reside or work on a milk producing dairy farm or have specific interests in dairy, dairy veal, or dairy feeder 4-H or FFA projects. They must be a 15-25 year old resident of Ashtabula County. Application forms are now available at the OSU Extension office in Jefferson and can be received by calling 440-576-9008. The application deadline for this contest is March 1, 2017.

Ashtabula County Extension Looking for Summer College Student Assistant
OSU Extension in Ashtabula County is looking for a Summer College Student Assistant to assist with the summer 4-H Youth Development program. The purpose of this county based extension internship program is to provide an opportunity for a college student to gain workforce preparation skills to prepare them for success as they enter the first position of their professional careers. This summer position provides valuable pre-professional experience for educational and community based careers.

The Student Assistant will be provided with a variety of county-based Extension workforce experiences. Job responsibilities include but are not limited to: assisting the County Staff with Summer Youth Camps, Summer School Enrichment programs, and Junior Fair activities. Applicants must have completed one year of college and have evidence of successful leadership experience in 4-H, school and/or community organizations. Candidates should be self-motivated, possess strong organizational skills and must be available to work a flexible schedule including occasional nights and weekends.

This student will be employed for a maximum of 15 weeks with proposed hourly wage is $10-$12.50 per hour depending on qualifications. Reimbursement for official job travel will be provided according to Extension travel policy. The successful applicant will be required to pass a criminal background check. Interested individuals should complete the employment application and submit a cover letter and resume at http://go.osu.edu/OSUextensionapplication prior to February 19, 2017. Please contact Jenna Hoyt at the Ashtabula County Extension Office at 440-576-9008 for more information.

Donors Sought for 2017 Ashtabula County Ag Day
On May 13, 2016 nearly 1,200 members of the class of 2027 descended on the Ashtabula County Fairgrounds to participate in Ashtabula County’s “Ag Day.” Coordinated by OSU Extension and the Ashtabula County Farm Bureau, the primary goal of this event was to educate first graders on where their food comes from and to showcase the different types of agricultural commodities which are being produced in Ashtabula County.

Ashtabula County’s Ag Day program has become a community supported effort as over 300 volunteers and donors help to make this day a reality for the students. The cost of hosting this event is nearly $11,000 (both monetary and in-kind) and without the support of many this program would not be possible. We are asking local Ashtabula County farms, agribusinesses, and supporters of Ashtabula County Agriculture to consider being a donor for the 2017 Ag Day which will be held on Friday, May 12, 2017. We are once again offering 5 levels of sponsorship:
Woodland Management Field Day to be held on April 8 in Chardon, Ohio
The Ohio Department of Natural Resources will be hosting a Woodland Management Field Day on Saturday, April 8th from 9:00 a.m. to 1:00 p.m. at the Hambden Orchard Wildlife Area on Sisson Road in Chardon, Ohio. ODNR Service Forester Aaron Kash, ODNR Private Lands Biologist Ryan Jackson, and NRCS District Conservationist Jonathan Mauk will be offering a morning field day to discuss and demonstrate options for private woodland management. Various aspects of wildlife habitat, forest management/timber harvesting, and conservation practices will be covered. This event is being held in the woods in previously harvested areas so appropriate footwear and attire will be necessary. This event is FREE but you must register by calling 440-564-5883 or emailing aaron.kash@dnr.state.oh.us

Hydrangea School to be Held on May 3, 2017 in Jefferson, Ohio
The Ashtabula County Extension office is pleased to be offering a Hydrangea School on Wednesday, May 3, 2017 at the Ashtabula County Extension Office located at 39 Wall Street in Jefferson, Ohio from 6:30 to 8:30 p.m. Join OSU Extension Educator Eric Barrett to discover the world of hydrangeas. Learn about types, care, pruning and bloom times. You’ll receive a quick reference chart to take to the garden center and a hydrangea plant to take home. The registration fee for this workshop is $30 per person. Please make checks payable to OSU Extension. Registration includes handouts, light refreshments and a hydrangea plant to take home for your landscape. Please mail completed registration form to OSU Extension, 39 Wall Street, Jefferson, Ohio 44047. Due to space limitations, this program will be limited to the first 50 registrants. First come, first served basis. For questions, please call 440-576-9008. A registration flyer can also be obtained at: flyer can be found at: http://go.osu.edu/ne-events.
Ashtabula County Metroparks Seeks Full-time Operations Manager

ABOUT ASHTABULA COUNTY METROPARKS: The Ashtabula County Metroparks operates over 1,200 acres of parkland in 5 open parks and in 9 parks yet to be developed, as well as 30+ miles of hike and bike trails across Ashtabula County. In 2014 the voters of Ashtabula County approved the Metroparks’s first tax levy. Learn more at www.Ashtabulametroparks.com.

POSITION SUMMARY: Reporting directly to the Executive Director, the Operations Manager is responsible for directing day to day specific parks management operations and providing high level leadership and supervision of Maintenance/Construction staff and contractors. Position to implement all phases of planning, contract implementation, and construction oversight related to park development. Responsible for scheduling and supervision of appropriate personnel and non-personnel work crews, coordinating work projects, maintenance of equipment and facilities, operations related record keeping and report submissions, enforcement and implementation of District Rules and Regulations and laws (Ohio Revised Code) as directed by the Executive Director. Position includes performance of maintenance, repair and construction duties as needed. There are no set hours or days. The employee must be willing to work irregular hours, weekends, holidays and extended hours as required to perform the duties set forth in this position. The employee understands and is committed to promoting and implementing the Metroparks mission.

POSITION REQUIREMENTS: this position minimally requires the following:

CERTIFICATES OR LICENSES:
• Possession of a valid Ohio driver license, insurable by the Metroparks’s insurance carrier and ability to conform to the driving standards policy as approved by the Board of Park Commissioners
• Possession of, or potential to acquire a Commercial Pesticide Applicator’s License
• Certified Parks and Recreation Professional (CPRP) preferred

EDUCATION AND/OR EXPERIENCE
At least a two-year degree in natural resources or parks management, or related fields, with management experience required. A four-year degree in a similar field of study is preferred.

ESSENTIAL KNOWLEDGE, SKILLS AND ABILITIES
• Interest in and support of the Ashtabula County Metroparks mission, and willingness to convey support for that mission to the public
• Knowledge of Metroparks Laws, Chapter 1545 of the Ohio Revised Code, local and state laws, rules and regulations and enforcement requirements relating to Metroparks operations and management.
• Knowledge and experience in building and grounds maintenance practices, including basic carpentry, excavation and plumbing, along with safety policies, procedures and training requirements.
• Knowledge and experience in the proper use and maintenance of appropriate vehicles, tools and equipment related to Metroparks development and operations, including: 4x4 pickup truck and trailer, tractor with front-end loader, chainsaws, mowers and pesticide sprayers.
• Knowledge of public-sector purchasing and contracting procedures and laws.
• Ability to use a computer and GPS unit competently in word processing, spreadsheets, databases, and other software.
• Ability to perform math calculations such as discounts, interest, commission, proportions, area, volume and percentage
• Ability to read maps, plats, blueprints and other diagrams associated with construction and maintenance
David's Weekly News Column
Published in the Jefferson Gazette on February 15, 2017 and the Ashtabula County Star Beacon on February 19, 2017.

Hello Ashtabula County! It is no secret that farming is a very risky business. It takes a lot of faith to be a farmer because our success is unknown from year to year largely due to weather. Whenever we face risk, we try to mitigate it in some manner. For instance, there is a risk when we drive a car. To cover this risk, we have car insurance. This insurance helps us when things go wrong. In the same token, farmers carry crop insurance to help their business survive when Mother Nature throws them a curveball. Ashtabula County farmers know this risk all too well. Remember the polar vortex that hit our grape industry in two consecutive years in 2014 & 2015?

Through the Farm Bill legislation, farmers are provided an option to insure their crops through a subsidized federal crop insurance program. In fact, this program has become the pre-eminent risk management tool for farmers across the country. Last year the federal crop insurance program included more than 118,000 coverage options for 543 varieties of crops. It is estimated that 85 percent of planted acreage for our nation’s major crops are now covered by crop insurance while 73 percent of planted acreage for eligible specialty crops is covered.

During the last farm bill, some significant changes occurred to the crop insurance programs along with the addition of new avenues to protect crops. One of these included the introduction of a Whole-Farm Revenue Protection policy which was developed to provide a tool for smaller farms, diverse farms, and those growing specialty and organic crops. Whole-Farm was first offered in 2015, and by last year it was available in every county in the nation.

During a discussion with Frank Piper from Cherry Valley last week, he mentioned that area farmers are asking a lot of questions about whole farm revenue insurance plans and he offered to spearhead the development of an educational crop insurance meeting. Thanks to Frank’s efforts, I am pleased that the Ashtabula County Extension office will be co-hosting a Crop Insurance Educational Meeting on Monday, February 20, 2017 from 9:00 a.m. to 12:00 noon at the Williamsfield Community Center located at 5920 State Route 322 in Williamsfield, Ohio.

This program is free and open to any farmer in northeast Ohio. This meeting is not just for corn and soybean growers but also for grape, apple, nursery, and forage crop producers. Come learn about these insurance products free of any sales pressure. I encourage all of our local farmers, regardless of what crop they raise, to come and learn more about crop insurance. If you are like me, the world of crop insurance is confusing and this program is meant to educate not be a sales pitch.

So what is on tap for this program? We are very pleased that Melissa Williams, Vice President of Operations from ARMtech Crop Insurance of Lubbock, Texas, will be traveling north to help educate our producers on the “nuts and bolts” of Whole Farm Revenue Insurance Plans (WFRP). She will explain its pros and cons and explain how it may have a place for farmers; especially for ones who are diversified in their cropping programs. She will share a comparison with the other traditionally used crop insurance programs. Learn more about the Whole Farm Revenue Plans, traditional Actual Production History (APH) Plans and Nursery Coverage plans. Melissa will also explain the Wetland Compliance Issues surrounding tiling and clearing land for each of these products.
Following Melissa’s presentation, Jennifer Souders, Ohio’s ARMtech Marketing Representative, will share details on the important crop insurance deadlines that producers need to be aware of. These deadlines include sales closing, production reporting, acreage reporting, earliest plant date, and late plant date.

Frank Piper, Ohio Claims Supervisor for ARMtech Insurance Services, will then share the new rules with regards to “prevent-plant” acres and the new rules for planting a second crop after a crop failure. He will provide details on the rules of cover crops and how they impact crop insurance. He will also share how breaking in new ground may or may not be insurable. He will also share more about common land unit reporting versus whole farm reporting.

Farmers can also obtain insurance coverage through private means; so representatives from these private companies have been invited to teach as well. We are pleased that Mary Grassbaugh, Private Product Marketing Manager for ARMtech Insurance service will be in attendance to share details on Production Cost Insurance (PCI). This insurance covers the farms risk for fertilizer, seed and chemicals plus a specific amount of gross margin revenue per acre.

Rob Lensman, Regional Sales Manager for Ag Armour will also be on hand to explain their Harvest Max program. This is a shallow yield loss crop insurance program which has been used by some of local farmers who are not enrolled in the federal farm program. And then, Scott Graves from ARMtech Insurance Services, will share more about Crop Hail and Wind coverages. Yes, we even have to think about having hail, wind, and crop vandalism coverage.

At the conclusion of the meeting, producers will be treated to a delicious lunch catered by Bobbie Lahti Catering. This lunch is being sponsored by ARMtech Crop Insurance. I heard a rumor that it may be my favorite chicken and biscuit lunch! There is no fee to attend this program. However, for planning purposes, we are asking that courtesy reservations be made by this Friday. Please call the Ashtabula County Extension office at 440-576-9008 to let us know how many from your operation will be attending. I would like to thank Frank Piper for all his work in setting up this program and to ARMtech Crop Insurance for covering the associated costs of this program.

To close today’s column, I would like to share a quote from Natasha Richardson who stated, “What my father especially taught me was to not always take the safe road, the easy road. If you are going to do good work, you have to risk failing badly.” Have a good and safe day!

Milkweed & Monarchs - Garden Reflections by the Ashtabula County Master Gardeners

The cold gray days of winter in northeast Ohio give gardeners an opportunity to consider how they might want to plan their garden for the coming spring. For many, a simpler, less demanding garden is appealing and growing native plants is the logical solution.

Native plants are those that occur in this region naturally, and thus, they require less maintenance, irrigation and general care. More than that, they contribute to the food source for the local birds, insects and animals.

One group of plants that is native to Ashtabula County and specifically serves as the food source for the monarch butterfly is the milkweed family (Asclepias). There are five members of this family that are especially...
Monarch babies may seem unlovely, even scary, to some eyes, but they turn into beautiful butterflies when provided with the right habitat. Photo by Carol Blake

attractive to the monarch: butterfly weed (*Asclepias tuberosa*), common milkweed (*Asclepias syriaca*), purple milkweed (*Asclepias purpurascens*), Sullivant’s milkweed (*Asclepias sullivantii*) and swamp milkweed (*Asclepias incarnata*).

Milkweed grows on stalks up to five feet tall and has oval leaves. Flowers may be white, pink, mauve, orange or red depending on the variety of species. The plant has distinctive seed pods in the fall with tufts of fluff, much like dandelions, to carry their seeds to new locations. When a stalk of milkweed is broken the sap is a milky white liquid, thus the name, milkweed.

It is the milkweed plant that the monarch butterfly must locate to lay its eggs. The caterpillar that hatches feeds exclusively from the milkweed plant. Eating the plant makes the caterpillar taste bitter, so birds who might otherwise feed on these caterpillars learn to avoid them. This is also true for the final stage in the life cycle, as the adult butterflies are poisonous and not attractive to the birds.

Monarch butterflies are the brilliant orange, black and white butterflies that we see most commonly in the early fall. Like many birds, monarchs migrate when the weather gets cold. Butterflies from all over the United States and Canada travel to the high elevation areas of central Mexico to complete their migration. This is a journey of 2,000 miles. Quite impressive.

Once the butterflies have arrived in Mexico they cluster in trees and create a blanketing effect with their brilliantly colored wings. The return to the United States begins in March and successive generations move north, again, to Ohio.

**Why milkweed?**

Our monarch populations have been in serious decline throughout the United States. More and more land has been developed and natural habitat has been eliminated. We are also using more herbicides and lawn chemicals that kill the milkweed plants. Estimates have been made by experts that the population of monarchs has declined by 90% over the past twenty years (Ohio Department of Natural Resources).

As we consider how we might plan our garden for the upcoming spring, the milkweed plant should be a serious choice. It is native to our area, it requires little care or irrigation, it provides color and fragrance and it is a home for insects, birds and our beautiful monarch butterfly.

**Upcoming 2017 Winter Extension Program Dates**

The following programs have been scheduled for Northeast Ohio farmers this upcoming winter. Complete registration flyers can be found at: [http://ashtabula.osu.edu/program-areas/agriculture-and-natural-resources/upcoming-educational-programs-deadlines](http://ashtabula.osu.edu/program-areas/agriculture-and-natural-resources/upcoming-educational-programs-deadlines)

**Crop Insurance Information Meeting**

February 20th at the Williamsfield Community Center

**VFD Information Session**

February 23rd at the Trumbull County Extension Office
Basics of Pruning Landscape Plants
March 9th at the Trumbull County Extension Office

New Pesticide Applicator Training
March 14th at the Trumbull County Extension Office

2017 Northeast Ohio Agronomy School
March 15 at the Williamsfield Community Center

2017 Northeast Ohio Winter Grape School
March 16

Northeast Ohio Winter Beef Clinic
March 23

2017 Ashtabula County Dairy Banquet
Saturday, March 18, 2017 at Camp Beaumont

Chainsaw Safety Class
April 8th at the Trumbull County Extension Office

2017 Joe Bodnar Memorial Northern Classic Steer & Heifer Show
Saturday, April 22 at the Ashtabula County Fairgrounds

Hydrangea School
Wednesday, May 3, 2017 at the Ashtabula County Extension office
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During the last farm bill, some significant changes occurred to the crop insurance programs along with the addition of new methods to protect crops such as the Whole-Farm Revenue Protection policy. Attend this free meeting to learn more about crop insurance.

**Agenda**

**Welcome and Introductions** – **David Marrison, Ashtabula County Extension Educator**

Whole Farm Revenue Plan – **Melissa Williams, Vice President of Operations, ARMtech Insurance**
- What is it?  How does it work?  What are the Pro’s and Con’s

Revenue Plans, Yield Plans, APH Plans and Nursery Coverage - **Melissa Williams**
- What are these?  How do they work?  Pro’s and con’s?

Compliance Issues- Wetland’s, tiling, clearing Land- **Melissa Williams**
- How does this affect eligibility and subsidies??

Important Crop Insurance Dates – **Jennifer Souders – OH Marketing Representative**
- Sales Closing, Production Reporting, Acreage Reporting, Earliest Plant Date, Late Plant Date

What’s New in Crop Insurance- **Frank Piper, Claims Supervisor**
- Prevent Plant – Changes for 2017
- 1st Crop – 2nd Crop – Changes for 2017
- New Breaking Ground
- Cover Crops Claims
- Important Reminders

Alternative Coverage’s – What different private coverage’s are available and how do they work?
- PCI – Production Cost Insurance – **Mary Grassbaugh, Private Product Marketing Manager**
- Harvest Max – Ag Armour -- **Rob Lensman, Regional Sales Manager**
- Crop Hail and Wind Coverage’s – **Scott Graves Regional Marketing Manager**

Questions and Answers

There is no charge to attend this meeting. However, for planning purposes, we are asking that courtesy reservations be made by Friday, February 17. Please call the Ashtabula County Extension office at 440-576-9008 to RSVP. This meeting is not just for corn and soybean growers but also for grape, apple, nursery, and forage crop producers! At the conclusion of the meeting, producers will be treated to a delicious lunch catered by Bobbie Lahti Catering. This lunch and workshop costs are generously sponsored by ARMtech Crop Insurance.
3rd Annual
Chili Cook Off
& Family Fun Night
Sponsored by Ashtabula County 4-H Camp Counselors

Friday, February 24, 2017
5:30 p.m. - 7:30 p.m.
Ashtabula County Fairgrounds 4-H Expo Building
Jefferson, Ohio

Tickets $5
Children 3 and under Free
Tickets are available through any 4-H Camp Counselor or at the Extension Office

Cornbread, dessert and beverage are included

Lots to See and Do!
Basket Palooza
Many different Chili recipes to try.
Vote for your favorite!

All proceeds benefit the Ashtabula County 4-H Camp Counselors program.
For more information contact the O.S.U. Extension Office,
Abbey Averill 440-576-9008 or averill.10@osu.edu.
Join OSU Extension as we host our annual Agronomy School for crop farmers in Northeast Ohio. With profit margins decreasing it will be vital for crop producers to get the biggest bang from the dollars they invest in land rental, seed and fertilizer, technology, chemicals, and crop protection. This workshop is sponsored by the OSU Extension offices in Ashtabula, Trumbull & Geauga Counties with support from W.I. Miller & Sons & the Ohio Soybean Council. The following presentations will be featured during the program:

- **Complying with the New Worker Protection Standards**
  David Marrison - OSU Extension Educator for Ashtabula County

- **Herbicide Resistant Weed Control**
  Les Ober – CCA & OSU Extension Program Assistant for Geauga County

- **Success Score Card – Benchmarking for Profit**
  Russ Coltman – Founder of Coltman Information Management

- **Lunch & Industry Trade Talks**
  Sponsored by W.I. Miller & Sons of Farmdale, Ohio

- **White Mold Research Update & Seed Treatments-Are They Worth it?**
  Dr. Anne Dorrance – OSU Professor in Soybean Pathology

- **Small Grain Diseases & Corn Ear Diseases**
  Dr. Pierce Paul – OSU Associate Professor in Cereal Grain Pathology

- **Western Bean Cutworm & Cry1F Failures**
  Dr. Andy Michel – OSU Associate Professor & OSU Extension Field Crops Entomologist

- **Manure Research Update & Capitalizing on Manure from Your Neighboring Dairy Farmer**
  Glen Arnold – OSU Extension Field Specialist Manure Nutrient Management Systems

**Pre-registration is required by March 8, 2017.** Registration fee is $10.00/per person. Registration includes refreshments, lunch, speaker travel expenses, and program handouts. Make checks payable to OSU Extension, and mail to Ashtabula County Extension office, 39 Wall Street, Jefferson, OH 44047. If you have any questions please call 440-576-9008. 2017 Weed Control Guides will be on sale for $16 at the workshop.

Name__________________________________________________________
Address__________________________________________________________________________
Email__________________________

# of Reservations_______________$10 per RSVP _____Yes, pre-order a Weed Control Guide for me
2017 Northeast Ohio Winter Agronomy School
Detailed Agenda

Complying with the New Worker Protection Standards – David Marrison, OSU Extension Educator, will help producers learn how to comply with revised Worker Protection Standards which went into effect on January 1, 2017. Learn about the new training requirements, medical fit tests, and the WPS record keeping requirements. 9:30 to 10:15 a.m.

Herbicide Resistant Weed Control – Les Ober, CCA & Program Assistant for OSU Extension Geauga County, will share strategies for managing herbicide resistant weeds along with an update on Palmer amaranth. The discussion will include control options including Roundup, Liberty and the new ExtendiMax Herbicide programs. 10:15 to 11:00 a.m.

Success Score Card – Benchmarking for Profit - Russ Coltman, Founder of Coltman Information Management, will share how producers can develop a Success Score Card for their farm. Learn how to rate your Financial, Leadership, Marketing, Production, Technology and Wellness Skills and how each can drive or stall your business. 11:00 to 11:45 a.m.

Lunch & Industry Trade Talks - As always, a hearty farmer lunch prepared by Lahti Catering means you will not go away hungry! This lunch is sponsored by W.I. Miller & Sons of Farmdale, Ohio. Each of our program sponsors will provide a short industry update during lunch. Lunch & trade talks will be held from 11:45 a.m. to 12:30 p.m.

White Mold Research Update & Seed Treatments-Are They Worth it? – Dr. Anne Dorrance, OSU Professor in Soybean Pathology, will provide an update on OSU Extension’s research on white mold. Learn how to minimize this disease in your soybean fields. Producers will also learn more about seed treatments and if there is an economic payback to using them. 12:30 to 1:15 p.m.

Small Grain Diseases & Corn Ear Diseases - Dr. Pierce Paul, OSU Associate Professor in Cereal Grain Pathology, will provide an update on small grain diseases and share information on some of the corn ear diseases which are being seen across Ohio. 1:15 to 2:00 p.m.

Western Bean Cutworm & Cry1F Failures – Dr. Andy Michel, OSU Associate Professor & Field Crop Entomologist, will share tips for dealing with insects in your field crops. Learn more about Western Bean Cutworm and learn about some of the Cry1F failures experienced in Ohio. 2:00 to 2:45 p.m.

Manure Research Update & Capitalizing on Manure from Your Neighboring Dairy Farmer – Glen Arnold, OSU Associate Professor & Field Specialist Manure Nutrient Management Systems, will be on hand to share the results from manure application studies and how producers can reduce nitrogen costs by side dressing with manure from a neighboring dairy farm. 2:45 to 3:30 p.m.

Williamsfield Community Center
5920 State Route 322,
Williamsfield, Ohio 44093

CCA and Pesticide Credits will be offered for producers in attendance.

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