Hello, Northeast Ohio Counties!

It sure is muddy outside, and although the flowers thought about coming out a couple of weeks ago I think they know better now. We were fortunate to visit Green Circle Nurseries last week in Lorain County where they are in full swing for the spring growing season. They have over 40 acres of orchids, and 7 acres of hydrangeas! It sure felt like spring in their greenhouses with all the color, but we are only a few weeks away from the real spring.

Don’t forget to register for the Northeast Ohio Agronomy School! Deadline is tomorrow. See details in the newsletter below. Have a great week!

David Marrison
Extension Educator
Ag & Natural Resources
Ashtabula County

Lee Beers
Extension Educator
Ag & Natural Resources
Trumbull County
New Dean for CFAES Selected
In a press release from Provost Bruce A. McPheron on March 6, 2017, it was announced that Cathann Arceneaux Kress, PhD, currently vice president for extension and outreach and director of cooperative extension, Iowa State University, has been selected as the vice president for agricultural administration and dean of the College of Food, Agricultural, and Environmental Sciences. Subject to approval by the Board of Trustees, Dr. Kress will begin her appointment on May 1, 2017.

In her current role, Dr. Kress leads the land-grant mission of teaching, research and service for the public good at Iowa State. This $100 million operation connects the full assets of the university with all of Iowa. Her success in using university-wide outreach programs to enhance education and innovation in Iowa communities have aligned with her key responsibility to advise the president and provost on extension and outreach issues.

Dr. Kress has taught undergraduate and graduate students at all levels. In addition, her research and applied research efforts have focused on impacts on rural populations. For example, her work has included the impacts of multiple deployments on dependent children of Reserve and Guard, programs to assist disadvantaged children, youth and families and on achievement gaps that impact rural youth.

Prior to her leadership at Iowa State University, Dr. Kress served as a senior policy analyst of Military Community and Family Policy at the Department of Defense in Washington, DC. In addition, she has served as director of youth development at the National 4-H Headquarters, USDA, also in Washington, DC, and as assistant director, Cornell Cooperative Extension and State Program Leader at Cornell University, Ithaca, New York.

Among her many national leadership roles, she currently serves as a trustee of the W. K. Kellogg Foundation Board in Battle Creek, Michigan; secretary and incoming chair, Administrative Heads Section, Board on Agriculture Assembly, Association of Public Land Grant Universities; and as a National 4-H Council trustee. Dr. Kress earned a BS in social work at Iowa State University, and an MA in counselor education/college student development and a PhD education from the University of Iowa.

Registration Deadline Nears for March 15 Northeast Ohio Agronomy School
The March 8 registration deadline is drawing near for the “2017 Northeast Ohio Agronomy School” scheduled for Wednesday, March 15, 2017 from 9:30 to 3:30 p.m. at the Williamsfield Community Center in Williamsfield, Ohio. Seven different speakers will be on hand to discuss the major issues impacting corn and soybean production in northeast Ohio.

During the morning session, participants will learn how to comply with the revised Worker Protection Standards; how to manage herbicide-resistant weeds; and how to develop a Success Score Card for your farm business. Then in the afternoon, producers will learn more about white mold in soybeans, the economic payback of seed treatments, small grain diseases, corn ear diseases, Cry1F failures in corn, and how producers can reduce nitrogen costs by side dressing with manure.

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. The registration fee for this workshop is $10.00/per person and 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.

The Ohio Maple Syrup Season; Moving Forward?
By: Les Ober, OSU Extension

Ohio Maple Syrup Season; Moving Forward?
By: Les Ober, OSU Extension
It is March 2nd and we have just seen the warmest February on record in the Cleveland, Ohio area. The 77 degree day that we experienced on Friday February 24th shattered every record for a high temperature in the month of February and it was also the highest winter temperature in Cleveland for any winter month. The way the month of February ended created a dark shadow on our ability to make maple syrup in Ohio. Now we are in March, the cold temperatures have come back. It looks like we will see temperatures dipping into the teens or low twenties. Where does that leave us?

Many trees have budded out. All of the Silver Maple and many Red Maples that are out in the open have full buds. The Sugar Maples did not bud and this is why we prize and select for this species of Maple. Let me say this going forward. If you are a commercial producer who has not tapped the potential to make significant amount of syrup is gone. The next warm spell will likely end the season for everyone. If you are a hobby producer who has not tapped, it is too late, forget about it. If you are hobby producer who has tapped and your taps are not running, do not re-tap, I repeat do not re-tap. You will most likely not make any useable syrup and you will not be doing your trees any favors.

Now let's address the producers that have been making syrup and have the potential to make more syrup. If you have Red Maples make sure you look at them very carefully or just pull the taps, especially road side trees. Several producers with large populations of Reds have called it quits altogether due to budding. For those with Sugar Maples the potential is there to make more syrup. You do not want to spoil that sap by collecting sap from a Red Maple that has budded.

At this point your biggest enemy is bacteria. Everything needs to be cleaned out and drained. You could see high levels of bacteria building in the lines and tanks over the previous week of warm weather. Many producers just kept the vacuum pumps running during that period and hoped for the best. Many collected a fair amount of sap due to weather fronts that pushed through. I am sure it paid to operate the pumps regardless of the temperatures and it kept their lines clear. If you shut off the vacuum because the trees just quit running I hope you were using check valves because this gave you some degree of protection from bacteria at the tap hole.

Now that the cold weather has returned what kind of syrup will we make? The answer will come once your fire up the evaporator. If it is buddy you will know it. Most likely you will be producing a darker grade of syrup. That is not bad because most producers produced a good volume of Golden Delicate early on. If the producer chooses the two could be blended but taste will determine that. You can blend for color but you cannot blend for taste. If you syrup has a slight off flavor from sour sap or budding it will show up in the blended grade. There is virtually no way to mask an off flavor in syrup once it is there and no reason to ruin what you have previously made. That is why some producers chose to call it quits rather than trying to sell and off flavored syrup to their customers. Keep the syrup separate and find a market for it. If the flavor is not pronounced there is a market for this syrup but be beware the bulk price may be below the cost of production.

Producers that tapped in early January have had a normal season. The biggest question is, after last year and this year, have we established a new normal for Ohio Maple Syrup Production or maybe the two distinct zones of production in Ohio are consolidating. I say this because if you produce syrup near the Ohio River you would normally tap in January. If you live in NE Ohio you would normally tap in mid-February. Maybe we are now seeing a climate shift that will establish a universal tapping date for the entire state. For sure, after this year producers must realize you can no longer tap by the calendar. If you produce maple syrup in Ohio you need to be ready to go by New Year's Day. This will require spending time over the holidays getting the sugarbush ready to tap. If the season does not start until February so be it, but at least if we have established a new normal you will be ready. Climate change is just that,
change and the only certainty in life is change. We change our systems, we change out tapping
technology, we adapt. This is the only way you will survive in this business or any business.

Misleading Herbicide Ads and the People’s Court
March 1 2017
The world recently lost Judge Joseph Wapner, a man of integrity who brought evenhandedness and a
gentle humor to the proceedings of The People’s Court. Along with judicial wisdom, he could have low
tolerance for the many idiots who came through his court, and always found a way to bore right to the
core issues. He probably would have had low tolerance for the recent dealings we had with two
agrichemical giants over an herbicide ad one of them apparently ran in parts of Illinois. For the sake of
anonymity, we can call these two giants, “large company S” and “large company D”. Both companies
sell very broad spectrum, multi-component preemergence corn herbicide premix products, and of course
both “large company S” and “large company D” believe their products walk on water and are truly
superior to all other preemergence corn products. The ad in question, produced by “large company S”,
showed combined yield results from a 2016 study conducted by OSU and Purdue that compared weed
control and yield from various premergence corn herbicides. As shown in the ad bar chart and wording,
the product of “large company S” resulted in a “yield advantage” compared with use of the “large
company D” product. “Large company D” asked us to review the ad for accuracy. Upon reviewing the
data from the two individual OSU and Purdue studies, we found that there was no significant difference
in yield between the two products that walk on water in either study. Nonetheless, someone at “large
company S” HQ decided to average yields between studies and create an ad that made it look as though
there was higher yield for their product. We do have to respect the ability of “large company S” to fess
up when we confronted them with this. Their response was essentially “yup you caught us. We ignored
the statistics and just floated it out there anyway figuring that no one would notice”.

In the meantime, it was pointed out to us that while trying to occupy most of the high moral ground here,
“large company D” was known to be cutting recommended rates of their product that walks on water in
certain areas to be more cost competitive with the “large company S” product. And in the end “large
company S” essentially reminded us of the possibly also somewhat dubious approach of “large company
D” in selling product and stated “the attorneys for large company D can contact our attorneys if they want
to pursue this further”. We believe in the legal world these are known as the “wait – but they did this” and
“nananana poo poo – just try to get us” arguments. Both very effective at times we’re sure. However we
can’t help thinking that in this case even Judge Wapner’s response might have been, “Bailiff, kick these
people in the a** and get them out of my court”. (In the interest of honesty, which is what this blog post is
about, we should say we borrowed this last quote from a Doonesbury comic strip. Always wanted to use
this somewhere.)

We have been doing this for 25+ years, and have observed numerous instances where companies
manipulated data somewhat or ignored statistics to create the story they want. This manipulation can be
the only reason why herbicide ads for a given product always show that product as either more effective
or providing higher yield than the competitors’ products. In all fairness to companies, it probably doesn’t
make much sense to run an ad that shows the opposite. In fact, we had this same discussion with “large
company S” a couple of years ago, with regard to another of their ads. The ad also showed a bar chart
where their preemergence corn product that walks on water outyielded the competitors’ products in an
OSU trial. Checking our data, it was apparent that there was no significant yield difference, but you
never would have known this from the ad, where the bar for their product was a different color and
substantially taller than the other bars. Because different colors of course do indicate that significant
differences occurred regardless of what the statistics showed. Which leads us to ask “large company S”
(and everyone else really), if you’re going to ignore the statistics that in fact show whether real
differences occurred, why even bother to have independent researchers such as OSU and Purdue
conduct the study? Why not just make up the results so that everyone knows your product is truly the
best?

We really have better things to do than try to police ads where our data are misrepresented. It’s not a
very rewarding activity. We don’t want to say it’s a mistake to ever trust the yield results shown in
herbicide ads – no wait – let’s go with that – it’s a mistake to ever trust yield results shown in herbicide ads. And hey – just a reminder – experimental design and statistical analysis procedures exist for a reason. If we ignore them, then all we’re left with are “alternative facts”, right?

It’s a brutally competitive herbicide sales world out there. Stay ethical my friends. RIP Your Honor.

**Xtend Soybean/Dicamba Information**
By: Mark Loux

The latest blog post on the OSU weed management website, [u.osu.edu/osuweeds](http://u.osu.edu/osuweeds), has information on XtendiMax and Engenia. This includes primary labels and soybean supplemental labels for both products, along with an ODA fact sheet summarizing key aspects and differences between the labels. We have also posted an OSU Powerpoint that summarizes some of the key stewardship information from labels. BASF and Monsanto have started to provide approved tank-mix components on their websites - [www.xtendimaxapplicationrequirements.com](http://www.xtendimaxapplicationrequirements.com) and [www.engeniaturkminimix.com](http://www.engeniaturkminimix.com). Reminder that anything that will be mixed with Engenia or XtendiMax – herbicides, adjuvants, etc – must be listed on these websites prior to use. The same goes for nozzles, and approvals for these are starting to appear on the websites as well

**Bird flu found in Tennessee chicken flock on Tyson-contracted farm**
By Jo Winterbottom

A strain of bird flu has been detected in a chicken breeder flock on a Tennessee farm contracted to U.S. food giant Tyson Foods Inc, and the 73,500 birds will be culled to stop the virus from entering the food system, government and company officials said on Sunday.

The U.S. Department of Agriculture said this represented the first confirmed case of highly pathogenic H7 avian influenza (HPAI) in commercial poultry in the United States this year. It is the first time HPAI has been found in Tennessee, the state government said.

Tyson, the biggest chicken meat producer in the United States, said in a statement it was working with Tennessee and federal officials to contain the virus by euthanizing the birds on the contract farm. In 2014 and 2015, during a widespread outbreak of HPAI, the United States killed nearly 50 million birds, mostly egg-laying hens. The losses pushed U.S. egg prices to record highs and prompted trading partners to ban imports of American poultry, even though there was little infection then in the broiler industry.

No people were affected in that outbreak, which was primarily of the H5N2 strain. The risk of human infection in poultry outbreaks is low, although in China people have died this winter amid an outbreak of the H7N9 virus in birds.

The facility in Tennessee’s Lincoln County has been placed under quarantine, along with approximately 30 other poultry farms within a 6.2-mile (10 km) radius of the site, the state said. Other flocks in the quarantined area are being tested, it added.

Tyson, the USDA and the state did not name the facility involved. Tyson said that it did not expect disruptions to its chicken business.

The USDA should have more information by Monday evening about the particular strain of the virus involved, spokeswoman Donna Karlsons said by email. HPAI bird flu was last found in a commercial turkey flock in Indiana in January 2016.

The USDA said it would inform the World Organization for Animal Health (OIE) and international trading partners of the outbreak.
The biggest traditional markets for U.S. chicken meat are Mexico and Canada, which introduced state or regional bans on U.S. broiler exports after the outbreak two years ago, and China, which imposed a national ban.

Tennessee's broiler production is too small to rank it in the top five U.S. producing states but it is the third-largest generator of cash receipts in agriculture for the state. In January, the USDA detected bird flu in a wild duck in Montana that appeared to match one of the strains found during the 2014 and 2015 outbreak.

The United States stepped up biosecurity measures aimed at preventing the spread of bird flu after the outbreak two years ago.

Tyson said precautions being taken include disinfecting all vehicles entering farms and banning all nonessential visitor access to contract farms.

In recent months, different strains of bird flu have been confirmed across Asia and in Europe. Authorities have culled millions of birds in affected areas to control the outbreaks.

France, which has the largest poultry flock in the European Union, has reported outbreaks of the highly contagious H5N8 bird flu virus. In South Korea, the rapid spread of the H5N6 strain of the virus has led to the country's worst-ever outbreak of bird flu.

Winter Beef Clinic to be held on March 23, 2017 in Jefferson, Ohio
OSU Extension and the Ashtabula County Cattlemen’s Association would like to invite Northeast Ohio Beef Producers to their Winter Beef Clinic on Thursday, March 23, 2017 at the Ashtabula County Extension Office in Jefferson, Ohio. The keynote speaker for this workshop will be John Grimes, Associate Professor & OSU Extension Beef Specialist. Join us as we discuss the basics of feeding beef cows and calves in Northeast Ohio.

During this workshop, John Grimes will share how to economically feed cattle on a small beef farm in Ohio. Discussions will be held on feeding Brood cows and their calves. Learn how to read a hay analysis report so you can get the biggest bang from your hay & baleage feeds. John will use the results from local farms to show how forage quality impacts the overall nutrition program. Learn about hay storage basics and grain & mineral supplementation. Learn more about the new Veterinary Feed Directive.

Local 4-H and FFA Youth will also want to attend as John will share how to feed your steer for the county fair. Learn how to plan for the growth of your steer from the day of purchase all the way through fair.

This workshop is free and open to all beef producers in Northeast Ohio. 4-H and FFA youth will also gain valuable experience from this workshop. No registration is required. Light refreshments will be served. A program 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. Do not miss this chance to increase your beef nutrition management skills.

Northeast Ohio Small Farm Conference slated for March 25
The 2017 Northeast Ohio “Living Your Small Farm Dream” small farm conference will be held on Saturday, March 25 at the RG Drage Career Center in Massillon located at 2800 Richville Dr. SW Massillon, 44646. The conference is a program of the OSU Extension Small Farm Program and will
provide farm owners and landowners with the opportunity to learn more about skills useful on a small farm, how to make their small farms work better, expand their operations, or gather ideas on how to utilize rural acreage.

Participants will choose from more than 25 different sessions offered over 4 breakout sessions during the day. General topic tracks include horticulture production, livestock and aquaculture, small farm management, natural resources, marketing and selling. Presenters include OSU Extension specialists and educators as well as USDA agency personnel, and area farmer entrepreneurs. The trade show represents industries, businesses, services and organizations that provide products or services utilized on a small farm or rural property.

A sampling of some of the topics that will be covered at the conference includes:

- Chainsaw Safety, Maintenance and Operation
- Raising sheep and goats
- Grass-fed Beef Production
- Fruit tree pruning
- Hobby Maple Syrup Production
- Fruit Tree and Small Fruit Disease Management and Prevention
- Micro Greens Production
- Vegetable Production and Season Extension with Tunnels
- Using and calibrating hand held sprayers on the farm
- Growing Shitake mushrooms
- Selling eggs, poultry, produce and cottage foods
- Marketing Meat Goats
- Renting and Leasing Farmland
- Renewable Energy
- Small Farm Tax Issues
- Aquaculture Opportunities
- Vegetable Disease Diagnostics

The Chainsaw Safety, Maintenance and Operation topic as well as the Vegetable Production and Season Extension with Tunnels are both super sessions that extend over two break-out session time periods. The vegetable production and season extension with tunnels session will actually start at the OARDC high tunnels in Wooster and then move to the RG Drage Center for the in-door portion of the session. Participants may elect to do only the Wooster part, only the RG Drage Center part or both parts of this topic.

The conference begins with registration at 8:00 am, and an opening general session at 9:00 am. The conference concludes at approximately 3:45 pm following the final breakout session. Registration cost is $60 per person, which includes lunch and morning refreshments. The registration deadline is March 17. For those who are interested in attending both the Women in Agriculture conference (http://agnr.osu.edu/events/east-ohio-women-agriculture-conference-0) at the same location on March 24 plus the small farm conference on March 25 there is a discounted registration fee of $100 to attend both conferences. Student discounts are also available.

A conference brochure and registration form along with descriptions of all the breakout sessions as well as on-line registration is available on the OSU Extension Small Farm Program web site at: http://agnr.osu.edu/small-farm-programs. Questions can also be directed to the Wayne County Extension office at 330-264-8722.

Chainsaw Safety Class to be held on April 8
OSU Extension Trumbull County will be offering a chainsaw safety class on Saturday, April 8th from 9:00 a.m. to 12:00 noon at the Trumbull County Ag and Family Education Center in Cortland, OH. This class is designed to help you handle and operate your chainsaw safely when you are clearing out a fence row,
cleaning up after a storm, or any other time that you may use your chainsaw. The class will begin inside with an overview of protective equipment designed to minimize injury before moving to basic saw maintenance. We will cover saw basics, how to perform a safety check, and how to keep your chain sharp. We will wrap up the morning with demonstrations outside to show proper tree felling and bucking techniques.

Pre-registration is requested by April 5th, 2017. Cost for the class is $30/person and includes handouts, light refreshments, and additional materials. To register please complete the registration form and return to OSU Extension Trumbull County, 520 West Main St., Suite #1, Cortland, OH 44410. Please call 330-638-6783 or email Lee Beers (beers.66@osu.edu) for more information.

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.

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 on Saturday, March 18, 2017 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:

<table>
<thead>
<tr>
<th>Saturday, March 18, 2017</th>
<th>Kingsville Public Library</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Andover Public Library</strong></td>
<td>10:00 a.m. to 12:00 noon</td>
</tr>
<tr>
<td>10:00 to 12:00 noon</td>
<td>6006 Academy Avenue</td>
</tr>
<tr>
<td>142 West Main Street</td>
<td>Kingsville, Ohio 44048</td>
</tr>
<tr>
<td>Andover, Ohio 44003</td>
<td>440-224-0239</td>
</tr>
<tr>
<td>440-293-6792</td>
<td>Ashtabula Public Library</td>
</tr>
</tbody>
</table>
1:00 to 3:00 p.m.  
335 West 44th Street  
Ashtabula, Ohio 44004  
440-997-9341

**Saturday, March 25, 2017**  
**Grand Valley Library**  
10:00 to 12:00 noon  
1 North School Street  
Orwell, Ohio 44076  
440-437-6545

**Monday, March 20, 2017**  
**Habor-Topky Memorial Library**  
1:00 to 3:00 p.m.  
1633 Walnut Blvd  
Ashtabula, Ohio 44004  
440-964-9645

**Rock Creek Public Library**  
10:00 a.m. to 12:00 p.m.  
2988 High Street  
Rock Creek, Ohio 44084  
440-563-3340

**Henderson Memorial Library**  
6:00 to 8:00 p.m.  
54 East Jefferson Street  
Jefferson, Ohio 44047  
440-576-3761

**Geneva Public Library**  
1:00 to 3:00 p.m.  
860 Sherman Street  
Geneva, Ohio 44041  
440-466-4521

**Wednesday, March 22, 2017**  
**Conneaut Public Library**  
1:00 to 3:00 p.m.  
304 Buffalo Street  
Conneaut, Ohio 44030  
440-593-1608

**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/odaprs/pestfertprs-index.aspx](http://www.agri.ohio.gov/apps/odaprs/pestfertprs-index.aspx)) and choose the date and location that fits your schedule best.

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

*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.

<table>
<thead>
<tr>
<th>Date</th>
<th>Location</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>March 21, 2017</td>
<td>Ashtabula County Extension Office</td>
<td>6:00 to 9:00 p.m.</td>
</tr>
<tr>
<td>April 12, 2017</td>
<td>Geauga County Extension Office</td>
<td>1:00 to 4:00 p.m.</td>
</tr>
<tr>
<td>May 10, 2017</td>
<td>Trumbull County Extension Office</td>
<td>6:00 to 9:00 p.m.</td>
</tr>
<tr>
<td>June 14, 2017</td>
<td>Ashtabula County Extension Office</td>
<td>9:00 to 12:00 noon</td>
</tr>
<tr>
<td>August 17, 2017</td>
<td>Trumbull County Field Day (location TBD)</td>
<td>9:00 a.m. to 3:00 p.m.</td>
</tr>
<tr>
<td>September 14, 2017</td>
<td>Geauga County Extension Office</td>
<td>1:00 to 4:00 p.m.</td>
</tr>
</tbody>
</table>

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: flyer can be found 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](http://go.osu.edu/ne-events) Additional information can be obtained by calling the Ashtabula County Extension office at 440-576-9008.

**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:

- **Platinum Sponsorship** - $1,000 and over
- **Gold Sponsorship** - $500 to $999
- **Silver Sponsorship** - $250 to $499
- **Bronze Sponsorship** - $100 to $249
- **Friends of Ag Day** - $1 to $99

**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: [http://go.osu.edu/ne-events](http://go.osu.edu/ne-events).

**David’s Weekly News Column**
Hello Ashtabula County! If you are like me, once daylight savings time arrives, you start to ache for spring weather. Over the past few weeks, we have gotten a taste of warmer weather and it has gotten many of us thinking about all the things we should be doing in our landscapes and gardens. I know I have plenty of sticks to pick up from our windy weather!

As we dream of spring, I am excited to share with you the details on two programs the Ashtabula County Master Gardeners will be offering. The first program is their 2 hour spring gardening programs at all of our libraries across Ashtabula County later this month. Get excited by spring by learning about Tomatoes, Pollinators and Container Gardening. And secondly, the Master Gardeners will be offering an excellent program on hydrangeas in May. Now, for more details about these programs.

Spring is right around the corner and 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, 2017. Join teams of the Master Gardener Volunteers to learn more about more about Pollinators, Tomatoes and Container & Raised Bed Gardening- The Good, The Bad & The Ugly. This program is free and will be offered at each library across the county.

On Saturday, March 18, the Master Gardeners will be offering this program at the Andover Public Library and the Kingsville Public Library from 10:00 a.m. to 12:00 p.m. and at the Ashtabula Public Library from 1:00 to 3:00 p.m.

On Monday, March 20, the program will be held at the Harbor-Topky Memorial Library from 1:00 to 3:00 p.m. and at the Henderson Memorial Library in Jefferson from 6:00 to 8:00 p.m. On Wednesday, March 22, the program will be offered at the Conneaut Public Library from 1:00 to 3:00 p.m.

Then on Saturday, March 25, the gardening program will be offered at both the Rock Creek Public Library and the Grand Valley Library from 10:00 a.m. to 12:00 noon. And last but not least, the Geneva Public Library will host the final session from 1:00 to 3:00 p.m. on the same day.

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.

It may be two months off but I know this class will fill up fast so I wanted to share details on a great class that we have scheduled for May. Kick off the month of May with the Ashtabula County Master Gardeners as they will offer 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.
We are excited that Mahoning County OSU Extension Educator Eric Barrett will be traveling north to help us discover the world of hydrangeas. During this class Eric will teach about the different types of hydrangeas, their bloom times, and proper care guidelines.

Participants will receive a Hydrangea reference chart and a hydrangea plant to take home. That in itself is worth the price of admission! The registration fee for this workshop is $30 per person. Registration includes handouts, light refreshments and a hydrangea plant to take home for your landscape. Please make checks payable to OSU Extension. 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 be found at: http://go.osu.edu/ne-events.

As we wait for spring to awaken, I would like to share a quote from Eckhart Tolle who stated, “That is the real spiritual awakening, when something emerges from within you that is deeper than who you thought you were. So, the person is still there, but one could almost say that something more powerful shines through the person. Have a good and safe spring.

**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

- **Basics of Pruning Landscape Plants**
  March 9 at the Trumbull County Extension Office

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

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

- **2017 Northeast Ohio Grape School – A Focus on Pinot Gris**
  April 18 at Virant’s Winery

- **Last Chance Pesticide Re-certification Session**
  March 16 at the Geauga County Extension office

- **Northeast Ohio Winter Beef Clinic**
  March 23 at the Ashtabula County Extension office

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

- **Chainsaw Safety Class**
  April 8 at the Trumbull County Extension Office

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

Northeast Ohio Agriculture
Hydrangea School
Wednesday, May 3 at the Ashtabula County Extension office

David Marrison
Ashtabula County Extension Office
39 Wall Street
Jefferson, OH 44047
440-576-9008
marrison.2@osu.edu
ashtabula.osu.edu

Lee Beers
Trumbull County Extension Office
520 West Main Street
Cortland, OH 44410
330-638-6783
beers.66@osu.edu
trumbull.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__________________________ Phone__________________________
Address___________________________ City__________________________ Zipcode__________
Email______________________________

# of Reservations_________

$10 per RSVP

_____Yes, pre-order a Weed Control Guide for me

Wednesday, March 15, 2017  
9:30 a.m. to 3:30 p.m.

Williamsfield Community Center  
5920 State Route 322  
Williamsfield, Ohio 44093  
Registration begins at 9:00 a.m.
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.

CCA and Pesticide Credits will be offered for producers in attendance.
Hello Small Farm Enthusiast!

This intensive conference will give you the opportunity to choose from different seminars taught by Extension professionals and industry leaders on a wide variety of agricultural enterprises. A tradeshow representing many industries servicing small farms will be present for you to visit during Saturday hours.

Saturday’s agenda will provide many opportunities for you to attend the informative sessions of your choosing. Saturday’s program will begin at 8:00 am with registration, the trade show, and morning refreshments.

CONFERENCE SCHEDULE
8:00 - 9:00 am: Registration
9:00 - 9:15 am: Opening Comments, Tony Nye, OSU Extension Small Farm Coordinator

SESSION INFORMATION
All session tracks will take place at the R.G. Drage center, with one exception:

The 9:30 am Super Session on Vegetable Production/Season Extension with Tunnels - Participants will meet at the OARDC Vegetable Productions System high tunnels located behind the State Highway Patrol Building 1540 Dover Road (SR 250) past the OSU-ATI campus.

9:30 am: Session Tracks Begin
• see track listings on back of brochure

11:45 am - 1:00 pm: Lunch & Trade Show

1:15 pm - 3:45 pm: Session Tracks
• see track listings on back of brochure

REGISTRATION and SESSION DESCRIPTIONS can be found online at: agnr.osu.edu/small-farm-programs

For more information, contact:
• Rory Lewandowski (330) 264-8722 lewandowski.11@osu.edu
• Tony Nye (937)382-0901 nye.1@osu.edu

REGISTRATION DEADLINE is MARCH 17th. Please copy and enclose a separate registration form for each person attending.

CONFERENCE COST: $60.00
*note: a combined discount fee is being offered to women attending both this conference and the “Women in Ag” conference. A student discount is also available. See registration form.

Make check payable to:
OSU Extension - Small Farm.
* We cannot refund any registration fees.
* No confirmation will be sent.

FROM THE NORTH:
* Interstate 77 South to US 30 W to Richville Drive Exit, turn right
* SR 21 South to U.S. 30 East to Richville Drive Exit, turn left
FROM THE SOUTH:
* Interstate 77 North to US 30 West, take Richville Drive Exit, turn right
* SR 21 North to U.S. 30 East, take Richville Drive Exit, turn left

Small Farm Conference
NORTHEAST OHIO REGISTRATION
• Use one form per person.
• Send to: OSU Extension Coshocton County
724 South 7th Street, Room 110
Coshocton, Ohio 43812
• Deadline for registration: March 17, 2017

NAME:________________________________________
ADDRESS:______________________________________
____________________________________________
CITY/STATE/ZIP:__________________________________
PHONE _______________________________________
EMAIL:  _______________________________________
### 2-HOUR SUPER SESSIONS

<table>
<thead>
<tr>
<th>#</th>
<th>Time</th>
<th>Topic</th>
<th>Presenter</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>9:30 AM</td>
<td>Vegetable Production/Season Extension with Tunnels <em>will start at OARDC high tunnels</em></td>
<td>Matt Kleinhenz, OSUE Vegetable Specialist</td>
</tr>
<tr>
<td>2</td>
<td>9:30 AM</td>
<td>Using and Maintaining Your Chainsaw Safely</td>
<td>Lee Beers, OSUE Trumbull County</td>
</tr>
</tbody>
</table>

### 1-HOUR SESSIONS

#### HORTICULTURE

<table>
<thead>
<tr>
<th>#</th>
<th>Time</th>
<th>Topic</th>
<th>Presenter</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>2:30 PM</td>
<td>Pesticide Application with Backpack &amp; Handheld Sprayers</td>
<td>Rory Lewandowski, OSUE Wayne County</td>
</tr>
<tr>
<td>4</td>
<td>10:45 AM</td>
<td>Disease Management and Prevention: Tree Fruit</td>
<td>Melanie Ivey, OSUE Fruit Pathologist</td>
</tr>
<tr>
<td>5</td>
<td>1:15 PM</td>
<td>Disease Management and Prevention: Small Fruit</td>
<td>Melanie Ivey, OSUE Fruit Pathologist</td>
</tr>
<tr>
<td>6</td>
<td>2:30 PM</td>
<td>Hands-on Fruit Tree Pruning</td>
<td>Eric Barrett, OSUE Mahoning County</td>
</tr>
<tr>
<td>7</td>
<td>10:45 AM</td>
<td>Utilizing Urban Land for Garden Markets</td>
<td>Jacqueline Kowalski, OSUE Summit County</td>
</tr>
<tr>
<td>8</td>
<td>2:30 PM</td>
<td>Micro Greens Production</td>
<td>Jacqueline Kowalski, OSUE Summit County</td>
</tr>
<tr>
<td>9</td>
<td>9:30 AM</td>
<td>Vegetable Disease Diagnostics</td>
<td>Erika Lyon, OSUE Jefferson/Harrison Counties</td>
</tr>
</tbody>
</table>

#### LIVESTOCK & AQUACULTURE

<table>
<thead>
<tr>
<th>#</th>
<th>Time</th>
<th>Topic</th>
<th>Presenter</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>9:30 AM</td>
<td>Grass-fed Beef</td>
<td>Greg Hoffman, Heritage Hills Farm</td>
</tr>
<tr>
<td>11</td>
<td>2:30 PM</td>
<td>Sheep or Goats? That is the Question</td>
<td>Sandy Smith, OSUE Carroll County</td>
</tr>
<tr>
<td>12</td>
<td>1:15 PM</td>
<td>Home Poultry Production</td>
<td>Sandy Smith, OSUE Carroll County</td>
</tr>
<tr>
<td>13</td>
<td>1:15 PM</td>
<td>Aquaculture Opportunities in NE Ohio</td>
<td>Matt Smith, Extension Aquaculture Specialist</td>
</tr>
</tbody>
</table>

#### MANAGEMENT

<table>
<thead>
<tr>
<th>#</th>
<th>Time</th>
<th>Topic</th>
<th>Presenter</th>
</tr>
</thead>
<tbody>
<tr>
<td>14</td>
<td>1:15 PM</td>
<td>Small Farm Equipment: Prioritizing What to Purchase</td>
<td>Matt Kleinhenz, OSUE Vegetable Specialist</td>
</tr>
<tr>
<td>15</td>
<td>10:45 AM</td>
<td>Renting and Leasing Farmland</td>
<td>Chris Zoller, OSUE Tuscarawas County</td>
</tr>
<tr>
<td>16</td>
<td>2:30 PM</td>
<td>Farm Business Plans</td>
<td>Chris Zoller, OSUE Tuscarawas County</td>
</tr>
<tr>
<td>17</td>
<td>9:30 AM</td>
<td>So You Think You Want to Farm</td>
<td>Clifton Martin, OSUE Muskingum County</td>
</tr>
<tr>
<td>18</td>
<td>1:15 PM</td>
<td>Small Farm Tax Issues and Considerations</td>
<td>David Morrison, OSUE Ashtabula County</td>
</tr>
<tr>
<td>19</td>
<td>1:15 PM</td>
<td>Financing My Niche Farm</td>
<td>Darren Metzger, USDA FSA</td>
</tr>
</tbody>
</table>

#### MARKETING & SELLING

<table>
<thead>
<tr>
<th>#</th>
<th>Time</th>
<th>Topic</th>
<th>Presenter</th>
</tr>
</thead>
<tbody>
<tr>
<td>20</td>
<td>2:30 PM</td>
<td>Opportunities to Sell from Home and Farm</td>
<td>Emily Adams, OSUE Coshocton</td>
</tr>
<tr>
<td>21</td>
<td>10:45 PM</td>
<td>Reducing Barriers for Ohio’s Direct Marketers</td>
<td>Emily Adams &amp; Eric Barrett, OSU Extension</td>
</tr>
<tr>
<td>22</td>
<td>9:30 AM</td>
<td>Marketing Goals: What Consumers Want/Ethnic Markets</td>
<td>Tony Nye, OSUE Clinton County</td>
</tr>
<tr>
<td>23</td>
<td>2:30 PM</td>
<td>Growing Your Farm to School Connection</td>
<td>Heather Niekirk, OSUE Stark County</td>
</tr>
</tbody>
</table>

#### NATURAL RESOURCES

<table>
<thead>
<tr>
<th>#</th>
<th>Time</th>
<th>Topic</th>
<th>Presenter</th>
</tr>
</thead>
<tbody>
<tr>
<td>24</td>
<td>9:30 AM</td>
<td>Solar Energy Considerations</td>
<td>Eric Romich, OSUE Energy Ed. Field Specialist</td>
</tr>
<tr>
<td>25</td>
<td>10:45 AM</td>
<td>Pond Management and Care</td>
<td>Gary Graham, OSUE Holmes County</td>
</tr>
<tr>
<td>26</td>
<td>1:15 PM</td>
<td>Hobby Maple Sugar Production</td>
<td>Gary Graham, OSUE Holmes County</td>
</tr>
<tr>
<td>27</td>
<td>10:45 AM</td>
<td>Introduction to Growing Shiitake Mushrooms</td>
<td>Jerry Iles, OSUE Fairfield County</td>
</tr>
</tbody>
</table>
Pruning Landscape Plants
Featuring Jim Chatfield

Thursday,
March 9, 2017
10am – Noon

Trumbull County Ag Center
520 West Main St.
Cortland, OH 44410

Cost: $15/person Pre-Registration is requested

Call 330-638-6783 for more information

Join us on Thursday, March 9th to learn how to properly prune and maintain your landscape plants. Jim Chatfield (OSU Extension Specialist) will start the day off with a brief introduction to pruning inside before we move outside for hands-on pruning demonstrations around the Ag Center. This will be a great opportunity to ask learn from an expert and ask questions about your own pruning needs. Please dress for the weather as we will be outside for a large portion of the event.

To register, complete the back side of the flyer and mail with payment to OSU Extension, 520 West Main St, Suite 1, Cortland, OH 44410. Please make checks payable to OSU Extension. Payment can be made at the door on the day of the event, but please call 330-638-6783 to register in advance if you plan to attend.

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

CFAES provides research and related educational programs to clientele on a nondiscriminatory basis. For more information: go.osu.edu/cfaesdiversity
This chainsaw safety course offered by OSU Extension Trumbull County will demonstrate safe chainsaw handling and operating techniques for home/landowners. The course will start off with an overview of basic safety equipment before covering basic chainsaw maintenance for safe use. We will wrap up with a live demonstration of safe tree felling and bucking techniques.

For more information:
Lee Beers – Extension Educator Ag & Natural Resources
330-638-6783 • beers.66@osu.edu • trumbull.osu.edu

Pre-registration is requested by April 5th to ensure minimum numbers. Cost for the Chainsaw Safety Class is $30/person. To pay at the door call 330-638-6783 to pre-register, or to pre-pay complete the following information and send with payment to OSU Extension Trumbull County, 520 West Main St., Suite #1, Cortland, OH 44410. We will be outside for demonstrations, so please dress according.

Name(s):

Phone & Address:

Email:

Number attending/amount enclosed: