Hello, Northeast Ohio Counties!

Rain this morning was welcomed in many places throughout the region. While scouting and collecting cutworm traps yesterday I observed several corn fields that were in desperate need of water. Cutworm traps were taken down this week as trap counts have been at zero for a couple of weeks. Trap counts were down relative to last year, fortunately. We will have an updated statewide count for you next week.

Keep scouting your fields! Les Ober found the above aphids in a Geauga county field, and reports throughout the region have come through our offices. Read Les' article for thresholds and control. Stay Safe!

Lee Beers & David Marrison
Extension Educators - Ag & Natural Resources
**Beef Industry Update Slated for August 30 in Jefferson**

The Ohio Cattlemen’s Association, the Ashtabula County Cattlemen’s Association and OSU Extension is pleased to be offering a **Beef Industry Update** on Thursday, August 30, 2018 from 6:30 to 8:30 p.m. This meeting will be held in the downstairs meeting room at the Ashtabula County Extension office located at 39 Wall Street in Jefferson, Ohio.

This beef producer education event will feature speakers from Boehringer-Ingelheim, Heartland Bank and the Ohio Cattlemen’s Association. Learn health and financial management tips for your beef operation. Attendees will also learn more about beef policy and membership opportunities in the Cattlemen’s Association.

This event is free to all beef producers and industry personnel. A meal will be provided compliments of the Ohio Cattlemen’s Association. Reservations are requested by calling the Ohio Cattlemen’s Association at 614-873-6736 or by emailing catle@ohiocattle.org. More information can also be obtained by contacting the Ashtabula County Extension office at 440-576-9008.

Special note: Attendees will also be able to purchase advanced tickets for the 2018 Ashtabula County Beef Banquet at this event. This year’s banquet will be held on October 27, 2018 at the Lenox Community Center starting at 7:00 p.m. Each ticket is $25 per person for the prime rib dinner. Bring your checkbook to get your tickets. Only 200 will be sold!

**Twilight Pond Clinic Scheduled for August 27**

OSU Extension and the Ashtabula Soil & Water Conservation District will be hosting a **Twilight Pond Clinic** on Monday, August 27 from 6:00 to 8:00 p.m. The twilight pond clinic will be held at the former site of Buccaneer Campgrounds located at 1408 State Route 307 just west of Jefferson, Ohio.

This clinic will help pond owners learn how to better managing their pond. Learn how to identify & control pond weeds and
more about dry hydrants, potable pond rules and controlling nuisance wildlife. Featured speakers will include David Marrison (OSU Extension), Nathan Paskey & Suzanne Westlake (Ashtabula Soil & Water Conservation District) and Scott Denamen (Geauga County ODNR Wildlife Officer)

There is no registration fee to attend. Please bring a lawn chair and dress for the weather as the pond clinic will be held rain or shine. The program will be held rain or shine. Call the OSU Extension (440-576-9008) or Ashtabula Soil & Water Conservation District (440-576-4946) for more information.

Applications Being Taken for Ashtabula County Ag & Natural Resources Extension Educator

Applications are now being taken for the Ashtabula County Agriculture & Natural Resources Extension Educator position for OSU Extension. This position is to replace David Marrison who will be transferring to the Coshocton County Extension office starting on September 4, 2018.

An earned Bachelor’s or Master’s degree at the time of hire is required. Preference will be given to candidates with a degree in Agriculture, Natural Resources, or closely related field. Applications are now being accepted (on-line) until August 26, 2018. A complete job description and on-line applications are required and interested applicants should access http://jobsatosu.com/ to apply. Search posting 441706. Applications can also access a quick link at http://www.jobsatosu.com/postings/88653. More information about this position can be obtained by contacting Lee Beers (Area Leader for Ashtabula, Geauga, Lake & Trumbull Counties) at 330-638-6783 or beers.66@osu.edu

Ohio Sheep Shearing School

The Ohio Statewide Sheep Shearing School will be held Friday and Saturday, September 14-15, 2018 from 9 AM to 4 PM at the Dave Cable Farm (10491 Canal Rd. Hebron, OH 43025). Students will be taught the proper techniques for productive sheep shearing through first-hand experience. Class space is limited and registration is due by Tuesday, September 4. The cost to attend is $50 per student for both days combined and includes a boxed lunch. Call Roger High at 614-246-8299 to register. Registration form is attached

Pastured Beef & Conservation Easement Farm Tour

A “Pastured Beef & Conservation Easement Farm Tour” will be held at the Marshy Meadows Farm in Windsor, Ohio beginning at 3:00 p.m. on Saturday, August 25. This farm located a 7490 Noble Road is owned by Mardy Townsend.
This farm specializes in raising certified grass-fed beef and this tour will focus on the challenges of grazing in the Lake Erie snowbelt. Following the walking tour of the farm, attendees will learn more about how beginning farmers can use conservation easements to help purchase farm land from Alex Czayka, Western Reserve Land Conservancy Eastern Field Director. The Ashtabula Local Food Council and the new Ashtabula County Community Harvest Food Hub will also be on hand to share marketing options with producers.

This tour is being sponsored by the Ohio Ecological Food & Farm Association, the Western Reserve Land Conservancy and the Ashtabula Local Food Council. More information can be obtained by accessing the program brochure at: http://www.oeffa.org/documents/2018farmtours.pdf

Soybean Aphids Found in NE Ohio
By Les Ober, CCA Geauga County Extension

As the summer progresses so does the likelihood of increased insect and disease pressure in corn and soybeans. This article emphasizes the need for late season scouting, and serves as a first warning of a possible problem. When you walk into a field you not only need be able to identify the pest, you also need to know the Economic Threshold (ET) for treatment. The Wikipedia definition of Economic Threshold is “the density of a pest at which control treatment will provide an economic return”. In addition, you should also know the growth stage of the infected plant. In this case, the ET is 250 for soybean aphids per plant.

Late Friday afternoon I received a call on a possible outbreak of Soybean Aphids in a local field. On Saturday, I walked the field using the University of Nebraska Aphid Scout App. What I determined was a population of roughly 150 to 200 Aphids per plant in about half of the locations. This population would send many producers to the shed to fuel up the sprayer. Not so fast! I also saw that the crop was at mid R-5 growth stage. Is treatment the best alternative, considering that putting a sprayer through waste high beans can destroy up to 5 bushel per acre?

Outbreaks of Soybean Aphids have been around since the early 2000’s. Most soybean farmers are very familiar with the pest. They are a small green pear shaped insect with small dark cornicles extending from the abdomen. We refer to the cornicles as “tail pipes” If you count all of the aphids on a plant and reach 250 per plant you have reached the Economic Threshold where
a spray application may be justified. Now this where the rest of the story comes in. At this point producers need know the growth stage of their bean. If Soybean Aphids show up during R-1 (Beginning Bloom) to R-5 (Beginning Seed), there is reason for concern, if their numbers exceed 250 per plant. Aphid feeding will impact flower and pod set if not controlled. In some of the early outbreaks the plants, where engulfed with aphids and where covered with a black excrement left behind by the aphids. The result was 20 % or more yield reduction. At that time, with those numbers, the application of insecticide was justified. Over the last 10 years aphid numbers have declined in Ohio. They also have been showing up later in the season. If Soybean Aphids do not show up until R-5 or R-6 there is a very good chance that Economic Threshold numbers will not be reached. Once Growth Stage 6 (full Pod) is reached, Field Crop Entomologist are now setting 600 aphids per plant as the ET. The closer the plants are to maturity the lower the impact on yield. One more consideration is the populations of beneficial insects that may be present. The Asian Lady Beetle adult and Larva is capable of destroying hundreds of aphids in a day. If you apply insecticide, they will become a casualty of the applications. There are also beneficial fungi that show up and attack the aphids. However, the over use of fungicides will have a negative effect on these pathogens.

The final message is be vigilant at this time of year especially if you have late planted or double crop soybeans. Go on line and download the University of Nebraska Aphid Scout App. This will make the job of counting aphids much easier. Just follow the easy directions. The important thing is to get out of the pickup truck and scout. You will be amazed at what you will find. This time of year, you should be looking for Stink Bugs, and diseases, especially White Mold. Stink Bugs can damage your soybean pods and even though they have not reached, treatable numbers in NE Ohio we need to keep our guard up. Although it is too late to treat White Mold, you can identify it and plan to plant a resistant variety next season.

Grass Fed Grazing Workshop to be held September 4, 2018
Penn Soil Resource Conservation and Development (RC&D) Council will co-sponsor a Grass-fed Grazing Workshop and Marketing Field day on September 4, 2018 at the Miller Livestock Company Farm near Kinsman, Ohio from 10:00 AM to 4:00 PM to benefit grass fed beef producers from northwestern PA and northeastern OH. The Miller Livestock Company farm is located at 9590 Kinsman Pymatuning Road, Kinsman, Ohio, however, the farm is just 2-3 miles west of the PA-OH state line, so it is well placed to benefit grass fed producers from both states.

Aaron & Melissa Miller of the Miller Livestock Company, Inc will be our hosts for the field day and they have been farming for nearly 35 years, raising grass fed and pastured livestock for direct-to-market sales since 1999. Aaron and Melissa will guide a farm tour and discuss grass-fed meat production, animal evaluation, and selection. NRCS staff from PA and OH will highlight watering systems, forage Identification, and soil health information for those in
Two Continuing Education Credits in Nutrient Management have been approved by the PA Department of Agriculture for PA certified Nutrient Management Planners attending this event.

The Field Day will also feature Douglas Katz, Executive Chef at fire food and drink restaurant at Shaker Square in Cleveland, Ohio. Chef Katz is an advocate for healthy, local, and sustainable food systems and will discuss topics related to marketing your products such as product selection and availability, pricing, relationship building, and contracting orders.

The field day is open to the public and the cost of attending the workshop is just $10.00 per person which includes a hearty lunch featuring Miller Livestock Company grass fed beef. Please register early (deadline is Aug. 24th) as space may be limited. Registration is available online with a credit card at the Penn Soil RC&D website www.pennsoil.org or you can print a registration form and mail a check to Penn Soil RC&D Council at 4000 Conewango Avenue; Warren, PA 16365 to reserve your spot at the field day. If you have a disability and require accommodation to attend, please contact us at 814-726-1441 extension 1.

The workshop and field day for the benefit of grass based livestock producers is being co-sponsored by PA Grazing Lands Coalition, Northwest PA Project Grass, Penn Soil Resource Conservation and Development (RC&D) Council, Penn State Cooperative Extension, USDA Natural Resources Conservation Service, and Trumbull County Soil and Water Conservation District.

**Late-Season Pod Feeding by Bean Leaf Beetle or Grasshopper**

By Kelley Tilmorn and Andy Michel  
Source: https://agcrops.osu.edu/newsletter/corn-newsletter/2018-27/late-season-pod-feeding-bean-leaf-beetle-or-grasshopper

We have heard a few reports of either bean leaf beetles or grasshoppers increasing in soybeans. As we start to approach the end of the growing season the larger concern with these insects is the potential for pod feeding, rather than foliage feeding. Pod feeding directly impacts grain quality. Crop stage is also an important consideration. Late-planted fields or double-cropped soybeans which are still green when other fields are drying down can be “trap crops,” attracting both bean leaf beetles or grasshoppers leaving the other fields. Such fields bear close watching.

Evaluation of pod injury should be based on inspection of all pods on 10 randomly selected plants. Be sure to sample at least 100’ into the field to avoid making your entire decision based on field edges, where damage can be worse than in the field as a whole. On each
plant sampled, count the number of total pods and the number of pods exhibiting pod injury, and then determine the percent pod injury based on the 10 plants inspected. It is important to estimate percent pod injury on inspection of the entire plant. Treatment is justified if the percent pod injury approaches 10 to 15%, and beetle adults or grasshoppers are still present and active in the field.

When making a treatment decision, also consider the pre-harvest interval of the insecticide you're considering – which can be an important consideration at the end of the season as harvest approaches. For more information visit our factsheet at https://ohioline.osu.edu/factsheet/ENT-23.

Pod Feeding Injury Healthy Seeds, and Damaged Seeds Following Pod Feeding

**Tomato Hornworms: Friend or Enemy**

More than thirty years later, I still retain a vivid memory of my first encounter with a hornworm. Visiting my tomato plants on a sunny summer day, I was shocked and horrified to suddenly find a plant savagely ravaged, defoliated, despoiled, bereft of leafage. Search and destroy mode kicked in. Following a trail of destruction, I discovered a very large, green caterpillar that was disguising himself as a tomato stem while systematically devouring every leaf on a Rutgers tomato plant.

After some initial shrieking and dancing about in the garden, I attempted to dislodge this escapee from a Walt Disney movie. The caterpillar, unmoved by my antics, clung tenaciously to his stem with about a million tiny feet. More dancing ensued, culminating in an ignominious end
to the caterpillar’s career as he became incorporated into the garden soil in a very altered state of being. That is, thoroughly squashed.

Decades later, I know that my caterpillar was either the tomato hornworm, Manduca quinquemaculata, or the tobacco hornworm, M. sexta. Similar in appearance, both are tomato-plant green, 3” to 4” long, and have white markings and a dark “horn” on the nether end that gives rise to its name. The two can be differentiated by their white markings: parallel lines on M. sexta and a series of sideways white “V”s on M. quinquemaculata. Both feed on solanaceous plants such as tobacco, potatoes, peppers, and especially tomatoes.

Had I spared the green nightmare, my caterpillar would have metamorphosed into a large, fuzzy grayish brown moth called the sphinx moth, the hawk moth or the hummingbird moth. Both the caterpillars and the adult moths have their place in the natural order of things. The caterpillars, especially when still small, become morsels that are stuffed into the mouths of hatchlings by hard-working parent birds. The adult moths are pollinators as well as food for other small creatures such as toads and bats, who certainly deserve all the help they can get as they go about devouring pesky insects by the thousands.

Now knowing their part in the grocery business comes the dilemma, to squash or not to squash. Fortunately, nature has its own plan for limiting the hornworms. Apanteles congregata, formerly called Cotesia congregata, a wasp of the Braconidae family, parasitizes the hornworm by inserting its eggs into the hornworm’s body. The resulting wasp larvae consume the hornworm from the inside out before erupting through its skin as full grown pupal cocoons resembling white rice.

Once you see the “white rice” on the caterpillar, there is no need to take any action. The caterpillar will soon die, releasing more wasps to patrol the tomato plants. If you can’t bear to leave it in the garden in the meantime, break off a small branch with the hornworm attached and remove it to a safe place to allow the wasps to hatch out.

The “white rice” you might find on some hornworms are actually the cocoons of parasitic wasps, a beneficial insect for our gardens.

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Ashtabula and Trumbull Counties
You can aid the wasps’ efforts by a daily search and destroy mission of your own. Inspect upper and lower sides of leaves, and trace along the stems. When you see evidence of defoliation, keep looking until you find the culprit. Hornworms are adept at remaining camouflaged while they quickly strip a plant of all foliage. Those without visible cocoons attached are still fair game for the “caterpillar stomp dance” as Joe Boggs of the Ohio State University Extension calls it. The braconid wasps, besides destroying hornworms, attack aphids, white codling moths, fly larvae, cabbageworms, bark beetles and other garden pests. As adults, the wasps are nectar-feeders, thus becoming pollinators. In turn, the wasps are a food source for birds and spiders. These little creatures do not sting and they are valuable garden allies. Encourage them to take up residence by providing plants they favor such as sweet alyssum, German chamomile, dill and parsley, to name a few.

Now, since the hornworms support the wasps and the wasps are good, are the hornworms friend, enemy, or frenemy? Sometimes it’s hard to tell. What is for certain is that all things in nature are connected and it’s a wonderful system.

In 2018, Ashtabula County Master Gardeners will be covering a wide range of topics, indicating special interests among their members. If you would like a master gardener to write about a particular topic, call the OSU Extension Office at (440) 576-9008.

Cucumber Downy Mildew in Medina County, OH

By Sally Miller

Downy mildew was confirmed today on cucumbers in Medina County – the field is in the Homerville area and symptoms were just beginning to show. The pathogen that causes cucurbit downy mildew, *Pseudoperonospora cubensis*, was sporulating well on the underside of leaves (see photo).

This is the second confirmation of downy mildew on cucumbers in Ohio this year – the first was on August 11 in Huron County. Please see my August 11 post in this blog for management recommendations.

Tape mount from the underside of a cucumber leaf with downy mildew. Characteristic branched sporangiophores (center) and oval, brown sporangia. Micrograph by Francesca Rotondo.
We still have not confirmed downy mildew on squash or pumpkins, but we have received quite a few lookalikes, most of which were bacterial spot or angular leaf spot (also a bacterial disease). Bacterial diseases will not be controlled using any of the fungicides recommended for downy mildew, with the exception of copper-based products. However, these are only partially effective against downy mildew and bacterial diseases. If you are not sure about your diagnosis, send samples to the OSU Vegetable Pathology Lab – diagnoses are free for OH growers.

David’s Weekly News Column
For Publication in the Jefferson Gazette on August 22, 2018

Hello, Ashtabula County! This month has been bittersweet for me as I wind down my time as the Ashtabula County Agricultural & Natural Resources Extension Educator. It has been my distinct honor to serve in this position for over 21 years.

One thing that I have learned over the past few years is that “life gives us twists and turns” and to “expect the unexpected.” As we close out the month of August, I will be transferring to work for OSU Extension in Coshocton County. I have loved working for farmers here in Ashtabula County. So if it pleases, I would like to share just a few of the memories which I will be taking with me.

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News Column- One of the great joys of this position has been writing this weekly Ag Column. In fact, together with my predecessor Lanny Anderson, we have had a news column published weekly in this paper for over 50 years! I am proud to say that I never missed a week since I started back in 1997. It has been great sharing what is happening in our agricultural industry. I also have enjoyed hearing so many positive comments back from you as readers; especially about my ending quotes!

*****

Master Gardeners- One of my points of pride has been the Ashtabula County Master Gardener program. I can clearly remember the fall day in 1997 which Phyllis O’Brien and Betty Hansen walked into my office and asked if I would start a Master Gardener program here in Ashtabula County. Both of them were trained as Master Gardeners through the Lake County program in the early 90s and were volunteering there. They insisted that a group would flourish in Ashtabula County and boy were they right!

That early meeting led to us starting the Master Gardener program in January 1998 when Hannelore Smith, Pat Smeby, Dorothy Shumake and Doug Herl were trained as Master Gardeners. The program has flourished since this time. Since 1998, 112 residents have become certified Master Gardeners and have volunteered over 45,000 hours to our community. Based on the estimated value of volunteer service of $24.69 per hour this means that the group’s service over the years has equated to over a $1 million dollars!
I cannot express my love and admiration for this group of individuals. Currently, we have 33 active members and they are providing horticultural outreach everywhere you look. Whether it be at the Ashtabula County fair, D-Day, in schools, answering horticulture calls at our office, or giving presentations at our local libraries, this group has been amazing!

*****

Research- I really appreciate the chance I have had to complete on-farm research with our farmers. My first research project was five years of multi-location research on short-season corn varieties. Working with farmers like Larry Woodard, Brian Forman, Stan Ruck, Bill Hurst, my dad and with Gary Marcy from Western Reserve Farm Cooperative in these early years set a firm foundation for me. It also demonstrated how important the need is for local research in our soils and in our growing conditions.

Through the years, we have had additional research efforts on corn silage hybrids, e-coli in dairy cows, winter temperature sensing in vineyards, economic impact of the grape & wine industry, miscanthus production, Western Bean Cutworm trapping, factors limiting soybean yields and in field peas. Additionally, the winter weather research conducted by our Phosphorus Task force over the past three years has opened eyes across the state when it comes to water quality legislation.

*****

Ag Committees- A pure joy of this position has been working with our Extension Ag Committees. It has been an honor to serve as part of the Ashtabula County Cattlemen’s Association, Ashtabula County Dairy Service Unit, Tri-County Grape Growers, Extension Agronomy Committee, Ag Scholarship Fund, Farmland Preservation, and Phosphorus Task Force. The majority of committees are made up by volunteers. There are so many great people who have served on these committees each who have shaped my career.

In addition, I appreciate how our local ag organizations work together. We have great leaders in the Ashtabula Soil & Water Conservation District, Farm Service Agency, Farm Bureau, Farmers Union and Natural Resources Conservation District. We are so lucky to have such high quality people working for our industry. I am especially going to miss the day to day interaction with Nathan Paskey from the Ashtabula Soil & Water Conservation District.

*****

Extension Staff- I would remiss not to mention the great Extension staff members that I have had the pleasure to work with over the past twenty years. Just amazing people with huge servant hearts. I have learned a great deal from each of them and consider each a member of my family.

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Stay tune for next week, when I share some of the strategies which I would advocate for our farmers going forward over the next decade. To close, I would like to leave you with a quote from Mattie Stepanek who stated, “Keep all special thoughts and memories for lifetimes to
Northeast Ohio Agriculture

Ashtabula and Trumbull Counties

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come. Share these keepsakes with others to inspire hope and build from the past, which can bridge to the future.” Have a good and safe day!

Upcoming Events

Ashtabula County Pond Twilight Clinic
August 27, 2018

Northeast Ohio Beef Industry Update
August 30, 2018

Ashtabula County Beef Banquet
October 27, 2018

Ashtabula County Dairy Banquet
March 26, 2019
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2018 Statewide Sheep Shearing School – September 14-15, 2018
Sponsored By: Ohio Sheep Improvement Association and OSU Extension

The Statewide Sheep Shearing School will be held Friday and Saturday, September 14-15, 2018 from 9 a.m. - 4 p.m. at the Dave Cable Farm, 10491 Canal Rd., Hebron, OH 43025. **Class Minimum: 15 participants** and the cost is **$50 per student**, which must be returned with registration form by **Tuesday September 4, 2018**. As part of the registration fee, a box lunch and drinks will be provided each day of the school.

If you decide to register after that date or have further questions, please call Roger A. High at 614-246-8299.

Make checks payable to: **Ohio Sheep Improvement Association**. Return bottom portion of this form with payment by Monday April 2, 2018 to Ohio Sheep Improvement Association – Sheep Shearing School, c/o Roger A. High, 280 N. High St. P.O. Box 182383, Columbus, OH 43218. Applications will also be available at ohiosheep.org Payment is nonrefundable after September 4, 2018.

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**2018 Sheep Shearing School Registration Form – September 14-15, 2018**

*Please print:*

Name __________________________

Street Address __________________________

City __________________________ State _______ Zip __________

Cellphone __________ Email __________

Please provide a cell phone and an email if possible in case we would need to contact you prior to the school, in case of class cancellation or reminders about the school.

**Shearing Experience (check one):**

Beginner __________ Intermediate __________ Advanced __________

Right-Handed __________________________ Left Handed __________________________

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*Payment of $50 per student is due with registration form.*

**Make check payable to Ohio Sheep Improvement Association.**

**Disclaimer (must be signed):** By signing this form I am hereby releasing the Ohio Sheep Improvement Association and any of its members of any liability for injury or accident as a result of participating in the Sheep Shearing School.

Signature: __________________________ Date __________
Beef Industry Update

HOSTED BY THE ASHTABULA COUNTY CATTLEMEN’S ASSOCIATION
FOR ASHTABULA & SURROUNDING COUNTIES

Speakers for the Evening:
Representatives from Boehringer-Ingelheim, Heartland Bank & Ohio Cattlemen’s Association
OCA Membership & Policy Update

WHO: All beef producers

WHEN: Thursday, August 30
6:30 p.m.

WHERE: OSU Extension Ashtabula County
39 Wall Street
Jefferson, Ohio 44047

To RSVP & for more information contact: 614-873-6736 or cattle@ohiocattle.org
Grass-fed Grazing Workshop

The Restaurant Market
Grass Finishing
High Stock Density Grazing
Water Systems
Soil Health

Sept. 4, 2018
10:00 to 4:00

Miller Livestock Company, Inc.
Kinsman, Ohio

Aaron & Melissa Miller of Miller Livestock Co. Inc. have been farming for nearly 35 years, raising grass-fed and pastured livestock for direct-to-market sales since 1999.

Chef Katz Douglas Katz, Executive Chef at fire food and drink restaurant, Shaker Square, Cleveland, OH, is an advocate for healthy, local and sustainable food systems.

Directions:
GPS address:
9590 Kinsman-Pymatuning RD.,
Kinsman, OH 44428

2 Continuing Education Credits for Certified Nutrient Management Planners by PDA are available.

4 PA-NRCS Certified Conservation Planner Credits have been assigned
Agenda

9:30  Registration at the farm
10:00 - 10:15  Welcome
10:15 - 11:15  Grass finished discussion assessing finish on live animals, equipment for farmers market sales / refrigeration equipment
11:15 - 12:15  Tour of home farm
12:15 - 1:30  Lunch  Chef Katz, Challenges and opportunities serving grass fed beef
1:30 - 4:00  Tour second farm, view water system, high stock density grazing management, forage I. D.

Presenters / topics include:
Aaron & Melissa Miller, Owners  Miller Livestock Co. Inc. / selecting finished animals, sales trailer, grazing management....

Douglas Katz, Executive Chef  product selection and availability, pricing, relationship building

Other Local Graziers  We expect other local experienced graziers to offer insight into making your system more efficient

Kara MacDowell, Harry Kenney, Tim Elder  NRCS OH & PA  Water system installation, grazing management, soil health, forage I. D. discussions

Registration

The fee for the lunch is $10.00 per person, or you may bring your own. Please register to receive notice of any changes.

Name(s): ____________________________
Business: _____________________________
Address: _____________________________
City/State/Zip: ________________________
Phone: _______________________________
Email: _______________________________
Number attending: _____ X $10.00 each = Total Amount Enclosed: $__________

Make Check Payable to
Penn Soil RC & D Council

Please mail registration and lunch fee by August 24, 2018 to:
Penn Soil Resource Conservation and Development Council
4000 Conewango Avenue
Warren, PA 16365

Online registration is also available at www.pennsoil.org Event page

For more information email pennsoilrcd@wcconservation.net or call 814-726-1441ext. 1 or 814-297-5267

Space is limited, please register early

**"The U.S. Department of Agriculture (USDA) prohibits discrimination in all of its programs and activities on the basis of race, color, national origin, age, disability, and where applicable, sex, marital status, familial status, parental status, religion, sexual orientation, political beliefs, genetic information, reprisal, or because all or part of an individual's income is derived from any public assistance program. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at (202) 720-2600 (voice and TDD)."**
Invite you to join us as we honor and thank

David Marrison

for over 21 years as a great colleague, leader, educator, mentor, teacher and, best of all, friend.

Open Reception

Tuesday, August 28  7:30 - 9:00 PM
at  Bissell Maple Farm  82 W. Ashtabula Street  Jefferson, Ohio

Please bring your best story or memory of David on a 3x5" index sized card, sign it and drop it off at the reception.
No gifts, please!
Join OSU Extension and the Ashtabula Soil & Water Conservation District to learn how to better manage your pond. Learn more about pond weed identification & control, dry hydrants, potable pond rules and controlling nuisance wildlife.

There is no registration fee to attend. Please bring a lawn chair. The program will be held rain or shine. Call the OSU Extension (440-576-9008) or Ashtabula Soil & Water Conservation District (440-576-4946) for more details!

Location
Old Buccaneer Campground Site
1408 State Route 307 West
Jefferson, Ohio 44047

See Back for Map
The twilight pond clinic will be held at the former site of Buccaneer Campgrounds located just west of Jefferson, Ohio. The campground is on State Route 307, 1.9 miles west of Jefferson and 3 miles east of Austinburg, Ohio.

This clinic is being co-sponsored by OSU Extension in Ashtabula County and the Ashtabula Soil & Water Conservation District. Please bring a lawn chair and dress for the weather as the pond clinic will be held rain or shine.