Maryland Dairy Scholarship

The Maryland Dairy Industry Association is offering two $500 and one $1,000 scholarships to Association members or their dependents. Applicants must be graduating high school seniors, undergraduates enrolled in a two or four-year college, or graduate/professional school students. Applications are due January 10, 2018. For an application, call (301) 349-0750, e-mail secretary@marylanddairyindustry.org, or visit http://ansc.umd.edu/extension/scholarships. Additional association scholarships are also available through the link.

Online Soil Podcasts

It’s more than dirt! Check out the online podcast series about soil intended for farmers, educators, and students. Host, Natalie Lounsbury, is a cover crop enthusiast, graduate student and farmer. Interviewees are some of the leaders in soil health. Full transcripts available at www.soilpodcast.com. This project was supported by a grant from Northeast SARE (www.nesare.org). Listen online: https://soundcloud.com/user-143491918.

2017 Maryland Corn Hybrid Yield Tests

The results of the 2017 University of Maryland Corn Hybrid Yield Test conducted by University of Maryland Extension Agronomist, Dr. Bob Kratochivil, have been published. The full report can be viewed here, or call me at the office and I will print a copy for you. The purpose of the trials are to provide data to growers to aide in their seed selection. As a general rule of thumb, it is better to select a hybrid with good yield stability across multiple locations rather than the top-yielding hybrid at one location. I have pulled out some of the better performing hybrids from the test based on relative yield and placed them in the table below as a quick summary. The hybrids I’ve listed outperformed the average yield for the trial in at least 4 of the 5 test locations. I highly recommend viewing the entire report. You can call or e-mail me with questions: (410) 638-3255, akness@umd.edu.

<table>
<thead>
<tr>
<th>Very Early &amp; Early Maturing</th>
<th>Mid-Season Maturing</th>
<th>Full-Season Maturing</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pioneer P0339AM (204.8 bu/A)*</td>
<td>Dekalb DKC61-88RIB (215.3 bu/A)</td>
<td>Dekalb DKC64-35RIB (223.7 bu/A)</td>
</tr>
<tr>
<td>TA Seeds TA583-28RIB (200.1 bu/A)</td>
<td>Dekalb DKC62-20RIB (213.5 bu/A)</td>
<td>Dekalb DKC65-20RIB (221.4 bu/A)</td>
</tr>
<tr>
<td>Pioneer P0604AM (209.7 bu/A)</td>
<td>Doebler’s RPM 4917AM (219.6 bu/A)</td>
<td>Doebler’s RPM 5018AM (221.9 bu/A)</td>
</tr>
<tr>
<td>Doebler’s RPM 5125AM (214.7 bu/A)</td>
<td>Dyna-Gro D50VC30 (215.1 bu/A)</td>
<td>Hubner H4744RC2P (219.4 bu/A)</td>
</tr>
<tr>
<td>Doebler’s RPM 5818AM (217.1 bu/A)</td>
<td>Hubner H12G624 (215.6 bu/A)</td>
<td>Hubner H6663RCSS (223.1 bu/A)</td>
</tr>
</tbody>
</table>

*pYield following the hybrid name is the average yield for that variety across the five test locations*
The Spotted Lanternfly, *Lycorma delicatula*, an invasive planthopper, was discovered in Berks County, Pennsylvania in 2014. Despite efforts by the Pennsylvania Department of Agriculture, this insect has now spread to 13 counties in Pennsylvania, which are now under government quarantine.

It is native to China, India, Vietnam, and introduced to Korea where it has become a major pest. This insect has the potential to greatly impact the grape, hops and logging industries. **Early detection is vital** for the protection of businesses and agriculture. “Eradicating the Spotted Lanternfly is important not only for our citizens, but for our economy, as well,” said Agriculture Secretary Russell Redding in a news release. “This invasive insect threatens to destroy $18 billion worth of agricultural commodities here like apples, grapes and hardwoods, inflicting a devastating impact on the livelihoods of our producers and businesses.”

If you live outside of the quarantine area in Pennsylvania and find a spotted lanternfly, report it! The counties currently quarantined are Berks, Bucks, Carbon, Chester, Delaware, Lancaster, Lebanon, Lehigh, Monroe, Montgomery, Northampton, Philadelphia, and Schuylkill. It has also been confirmed in New Castle County Delaware, and Delaware County New York. Inspect all items coming from these counties, particularly tools, equipment, vehicles and any plant materials (particularly live plants and mulches).

**Identification:**
The Spotted Lanternfly adult is approximately 1” long and 1/2” wide at rest. The forewing is grey with black spots and the wings tips are reticulated black blocks outlined in grey. The hind wings have contrasting patches of red and black with a white band. The legs and head are black; the abdomen is yellow with broad black bands. Immature stages are black with white spots, and develop red patches as they grow.

**Signs & Symptoms:**
Trees, such as tree of heaven and willow, will develop weeping wounds. These wounds will leave a greyish or black trail along the trunk. This sap will attract other insects to feed, notably wasps and ants. In late fall, adults will lay egg masses on host trees and nearby smooth surfaces like stone, outdoor furniture, vehicles, and structures. Newly laid egg masses have a grey mud-like covering which can take on a dry cracked appearance over time. Old egg masses appear as rows of 30-50 brownish seed-like deposits in 4-7 columns on the trunk, roughly an inch long.

**What to do if you find spotted lanternfly:**

**Collect a specimen** of any life stage to be turned in to the Pennsylvania Department of Agriculture’s Entomology lab for verification. Submit samples with the [Entomology Program Sample Submission Form](mailto:).  

**Scrap egg masses**, double bag them and throw them away. Please report all destroyed egg masses on our website.

**Take a picture:** A photograph of any life stage (including egg masses) can be submitted to [Badbug@pa.gov](mailto:).

**Report a site:** If you can’t take a specimen or photograph, call the Automated Invasive Species Report Line at 1-866-253-7189 and leave a message detailing your sighting and contact information.
Complying with FSMA—The Records You’ll Need

Sarah Everhart, Legal Specialist
University of Maryland, Francis King Carey School of Law
Posted to Maryland Risk Management Education Blog

If you grow produce consumed raw (produce rarely consumed raw is not subject to the law, for example, potatoes), you need to understand the Produce Safety Rule of the Food Safety Modernization Act (FSMA) and the records to keep to comply with this federal law. For more details on the Produce Safety Rule and whether your operation is subject to the law, check out this recently released FDA guidance document and this video. If you are subject to the Produce Safety Rule, you must keep certain records related to your operation. If you are not subject to the Produce Safety Rule or are eligible for a qualified exemption, you also need to keep certain records to prove your status.

In general, all records kept for the Produce Safety Rule must include the name and address of the farm, actual values and observation obtained during monitoring, an adequate description (variety, lot number, etc.) of the covered produce applicable to the record, and the date and time of the activity documented, and all records should be signed or initialed by the person making the record. Records should be retained at least two years; records being
Need Nutrient Management Voucher Training?

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Event</th>
<th>Cost</th>
<th>Location</th>
<th>Register at</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dec. 6</td>
<td>9AM-3PM</td>
<td>Nutrient Management Update</td>
<td>$35</td>
<td>1601 Washington Road Westminister, MD 21157</td>
<td>Contact: Suzanne Klick (301)936-9413 or <a href="mailto:sklick@umd.edu">sklick@umd.edu</a></td>
</tr>
<tr>
<td>Dec. 7</td>
<td>9AM-3:30PM</td>
<td>Northern Maryland Field Crops Day</td>
<td>$15 pre-reg.</td>
<td>Friendly Farms 17434 Foreston Rd. Upperco, MD 21155</td>
<td>Contact: Trish Moore (410)887-8090 or <a href="mailto:pmoore@umd.edu">pmoore@umd.edu</a></td>
</tr>
<tr>
<td>Dec. 13</td>
<td>8:30AM</td>
<td>Nutrient Voucher Training</td>
<td>No Charge</td>
<td>Baltimore Co. Extension 1114 Shawan Road Cockeysville, MD 21030</td>
<td>Contact: Trish Moore (410)887-8090 or <a href="mailto:pmoore@umd.edu">pmoore@umd.edu</a></td>
</tr>
<tr>
<td>Jan. 17</td>
<td>9AM-12PM</td>
<td>Sprayer Clinic with Finch and The Mill</td>
<td>No Charge</td>
<td>Carroll Co. Extension 700 Agriculture Dr. Westminster MD, 2115</td>
<td>Contact: Melanie Abbott (410)386-2760 or <a href="mailto:mabbott@umd.edu">mabbott@umd.edu</a></td>
</tr>
<tr>
<td>Jan. 26</td>
<td>9AM-3:30PM</td>
<td>Central Maryland Vegetable Growers Meeting</td>
<td>$15 pre-reg.</td>
<td>Friendly Farms 17434 Foreston Rd. Upperco, MD 21155</td>
<td>Contact: Trish Moore (410)887-8090 or <a href="mailto:pmoore@umd.edu">pmoore@umd.edu</a></td>
</tr>
<tr>
<td>Feb. 6</td>
<td>9AM-3:30PM</td>
<td>Carroll County Mid-Winter Meeting</td>
<td>No Charge</td>
<td>Carroll Co. Extension 700 Agriculture Dr. Westminster MD, 2115</td>
<td>Contact: Melanie Abbott (410)386-2760 or <a href="mailto:mabbott@umd.edu">mabbott@umd.edu</a></td>
</tr>
<tr>
<td>Feb. 8</td>
<td>10 AM</td>
<td>Nutrient Management Certification Exam</td>
<td>$50</td>
<td>Maryland Department of Agriculture</td>
<td>Contact: Mike Webster (410) 841-5957 or <a href="mailto:mike.webster@maryland.gov">mike.webster@maryland.gov</a></td>
</tr>
<tr>
<td>Feb. 22</td>
<td>10 AM</td>
<td>Nutrient Voucher Training</td>
<td>No Charge</td>
<td>Carroll Co. Extension 700 Agriculture Dr. Westminster MD, 2115</td>
<td>Contact: Melanie Abbott (410)386-2760 or <a href="mailto:mabbott@umd.edu">mabbott@umd.edu</a></td>
</tr>
</tbody>
</table>

ANNAPOLIS, MD – The Maryland Department of Agriculture has issued a grant solicitation for demonstration projects from vendors, businesses, and individuals offering technologies, equipment, infrastructure, or services that can improve the management and utilization of manure and other nutrient-rich, on-farm generated waste products.

Protecting the Chesapeake Bay and its tributaries from excess nutrients—primarily nitrogen and phosphorus—is a top priority for Maryland and the other Bay states. Maryland farmers are required by state law to follow nutrient management plans when fertilizing crops and managing animal manure. In 2015, the department implemented new Phosphorus Management Tool regulations to further protect waterways from phosphorus runoff. The regulations mainly impact livestock and poultry producers that use manure and poultry litter as a crop fertilizer. To help these producers comply with the new regulations, Maryland supports and invests in alternative uses for manure such as fertilizer manufacturing, composting and manure-to-energy projects that add value to the farm business model.

Maryland’s Animal Waste Technology Fund is a grant program that provides seed funding to companies that demonstrate innovative technologies to manage or repurpose manure resources. The program is a key component of Governor Larry Hogan’s broader Agriculture Phosphorus Initiative to improve water quality, strengthen agriculture and bolster rural economies.

The fund has $3.5 million available to invest in innovative technologies during State Fiscal Year 2018, which ends June 30, 2018. Approximately $2 million will be directed at projects with a renewable energy component. There is no maximum or minimum request. Vendors, businesses, and individuals are invited to respond to this grant solicitation which may be downloaded here.

Proposals should be submitted by 4 p.m. local time on December 29, 2017 to:
Ms. Louise Lawrence
Maryland Department of Agriculture
50 Harry S. Truman Pkwy
Annapolis, Maryland 21401
louise.lawrence@maryland.gov
Fax: 410-841-5734
To find this press release online go to: https://go.umd.edu/ManureGrant
Throughout the summer we have attempted to provide updates as to the extent of dicamba-injured soybean throughout the United States, either in the form of official dicamba-related cases that are currently under investigation by the state Departments of Agriculture, or as estimates of injured acreage from university extension weed scientists. In an attempt to bring some sort of "finality" to this issue for 2017, we requested this information one last time and have compiled this information into the figures below.

The (hopefully) final numbers indicate that there are 2,708 dicamba-related injury cases currently under investigation by various state departments of agriculture around the U.S., and that there were approximately 3.6 million acres of soybean that were injured by off-site movement of dicamba at some point during 2017. These numbers were up slightly from the August 10th report of 2,242 cases and approximately 3.1 million soybean acres, primarily due to the changes that occurred in some of the northern states like Minnesota, North Dakota, and South Dakota.

As I'm sure everyone who is familiar with this issue is well aware of by now, several weeks ago the EPA issued new labels for XtendiMax, Engenia, and FeXapan with tighter use restrictions. At this point, many state departments of agriculture are deciding whether or not they will impose any additional state requirements for the use of these products. Needless to say, there is much more that will be discussed on these issues and many more decisions that will be made in the coming weeks and months. Stay tuned.
University of Maryland is bringing back the small flock poultry expo!

One Day Only!

Sat, February 10, 2018
9:30 AM – 3:30 PM

Carroll County Agriculture Center
700 Agriculture Center Drive

See talks by Scientists and Experts, and talk them about:

- Breed Characteristics
- Showing Poultry
- Breeding and Incubation
- Predator Control
- Poultry Basics
- Marketing
- Regulations
- Disease Prevention and Control
- First Aid
- Legal Concerns
- Water Fowl
- Feeds
- Egg Grading
- Testing
- Coop Construction

$10 Adults - $5 Youth - 4H, FFA, and Kids (9 and under) get in free!

Get your tickets now! Only at go.umd.edu/poultryexpo18

Beef Producer’s Short Course

Western Maryland Research & Education Center

$75 includes educational materials and meals

- Economics
- Genetics & Reproduction
- Herd Health
- Nutrition
- Hay & Pasture
- Management
- Grazing & Facilities
- Field demonstrations

Contact Matt Morris at mjmorris@umd.edu or phone: (301) 600-3576

Registration applications can be downloaded at: https://go.umd.edu/ShortBeef
Regional Winter Crop Production Meetings

Below is a list of regional crop production meetings within University of Maryland Extension occurring this winter. All meetings will satisfy Maryland private applicator pesticide renewal credits and nutrient management voucher training. Contact the respective offices for details and to register. *Please noted that the date of the Vegetable Grower’s Meeting in last month’s issue was incorrect, it will be Friday, January 26th.

<table>
<thead>
<tr>
<th>Date</th>
<th>Meeting</th>
<th>Location</th>
<th>Contact/Registration</th>
</tr>
</thead>
<tbody>
<tr>
<td>December 7, 2017</td>
<td>Northern Maryland Field Crops Day</td>
<td>Friendly Farms Restaurant</td>
<td>(410) 887-8090 <a href="mailto:pmoore@umd.edu">pmoore@umd.edu</a></td>
</tr>
<tr>
<td></td>
<td></td>
<td>17434 Foreston Rd. Upperco, MD 21155</td>
<td></td>
</tr>
<tr>
<td>January 26, 2018*</td>
<td>Central Maryland Vegetable Growers Meeting</td>
<td>Friendly Farms Restaurant</td>
<td>(410) 887-8090 <a href="mailto:pmoore@umd.edu">pmoore@umd.edu</a></td>
</tr>
<tr>
<td></td>
<td></td>
<td>17434 Foreston Rd. Upperco, MD 21155</td>
<td></td>
</tr>
<tr>
<td>February 6, 2018</td>
<td>Carroll County MidWinter Agronomy Meeting</td>
<td>700 Agriculture Center Dr. Westminster, MD 21157</td>
<td>(410) 386-2760 <a href="mailto:mabbot@umd.edu">mabbot@umd.edu</a></td>
</tr>
<tr>
<td>February 13, 2018</td>
<td>Harford County Mid-Winter Agronomy Meeting</td>
<td>Deer Creek Overlook 6 Cherry Hill Rd. Street, MD 21157</td>
<td>(410) 638-3255 <a href="mailto:akness@umd.edu">akness@umd.edu</a></td>
</tr>
</tbody>
</table>

Farm Transition Workshop

January 30, 2018
9:00 AM—2:00 PM
Frederick County Extension Office

Frederick County will be one of several workshop locations in a series of one-day workshops to be held throughout Maryland this fall and winter for family farmers and ranchers interested in learning about the components of a successful farm transition. Sessions will cover family communications, business planning, forestry planning issues, estate and transition planning, agricultural land preservation and estate taxes.

The Agriculture Law Education Initiative, partnering with the Department of Agricultural and Resource Economics, the Maryland Department of Agriculture, and Nationwide Insurance to provide this workshop. The workshop will focus on the farm succession process, including communication, business planning, estate planning basics, and tax basics.

Participants will walk away with the tools they need to start developing a farm succession plan and prepare the next generation to keep the farming operation successful. All generations on the farm are encouraged to attend. Call the Frederick County Extension Office at (301) 600-3576 to register.

For additional details or questions contact: umaglaw@umd.edu

Great resources are just a click away!

twitter.com/UMECarroll
facebook.com/UMECarroll
Extension.umd.edu/Carroll-county

Peter Coffey
Extension Agent
Small Farms/Alternative Ag

Andrew Kness
Extension Agent
Ag and Food Systems

Bryan R. Butler, Sr.
Extension Agent
Ag and Food Systems

To subscribe or be removed from our mailing list, contact the Carroll County Extension office at (410) 386-2760 or 1-888-326-9645

The University of Maryland Extension programs are open to all citizens and will not discriminate against anyone because of race, age, sex, color, sexual orientation, physical or mental disability, religion, ancestry, national origin, marital status, genetic information, political affiliation, and gender identity or expression.

The information given herein is supplied with the understanding that no discrimination is intended and no endorsement by University of Maryland Extension is implied.
Dates to remember

6 Dec. MDA’s Nutrient Management Update for Certified farmers. 9-3:30 PM. 10901 Scarlet Tanager Loop Laurel, MD. Registration online or in person at MDA.


8 Dec. All Worms All Day. See flyer on page 4.


13 Dec. Women in Agriculture Webinar- “What is Annie’s Project?” 12PM. extension.umd.edu/womeninag/webinars

14 Dec. Food For Profit. 9-4 PM. Montgomery County Extension Office, Derwood, MD. $45. Call (301) 432-2767

15 Dec. EQIP Sign-up dealing for ALL projects. See October Issue

9 Jan. Pesticide Recertification Voucher Training. 9AM-12PM. Carroll County Extension Office. Call (410)-386-2760 to register.

17 Jan. Sprayer Clinic by Finch and The Mill. 700 Agriculture Center Drive. 9AM - 12PM. Call (410) 386-2760 to register.

17 Jan. Harford Farm Transition Workshop. Deer Creek Overlook. Call (410) 638-3255 or e-mail akness@umd.edu to register.

19-20 Jan. Beef Producer’s Short-Course. $75. Call (301) 600-3576 or email Matt Morris at mjmorris@umd.edu to register.


24 Jan-Feb 28. Western Maryland Annie’s Project. 10AM-2PM. $75. 7303 Sharpsburg Pike, Boonsboro, MD.

28 Jan. Heirloom and open pollinated seed swap. 11AM Westminster Public Library.

30 Jan. Frederick Farm Transition Workshop. 7303 Sharpsburg Pike. Call (301) 600-1594 or e-mail umaglaw@umd.edu