The Extension office in conjunction with the Baltimore County Soil Conservation District will kick off national dairy month with a pasture walk at Bellevue Farm, home of the Prigel Family Creamery at 4852 Long Green Rd. Glen Arm, MD 21057.

This informal hands-on-pasture management discussion will begin at 6:30 pm rain or shine. The pasture walk is open to anyone with livestock and or questions about establishing or maintaining pastures. In addition to seeing and discussing pasture management and rotational grazing for a dairy herd of about 150 cows we will have an opportunity to enjoy one of summer’s best treats with Prigel’s homemade ice cream.

If interested in attending the pasture walk or for more information please contact the University of Maryland Extension office at 410-771-1771 or Email Dave Martin at dmarti@umd.edu.

Pasture Walk

June 4  (6:30 pm rain or shine)

Location: 4852 Long Green Road
            Glen Arm MD 21057

Topics: Pasture management and rotational grazing for a dairy herd

University of Maryland Extension launches a new website

www.extension.umd.edu/baltimore-county

This past April the University of Maryland Extension launched a new website with the same research based information but with added features like “ask an expert”. This new feature allows users to get information from an expert in our state within a few days on many topics.

In addition, on the front page of Baltimore County’s site are featured articles that will be updated on a regular basis. On the right side of the front page are the latest news articles, events for Agriculture, 4-H and Family and Nutrition topics.

---

The University of Maryland is equal opportunity. The University’s policies, programs, and activities are in conformance with pertinent Federal and State laws and regulations on nondiscrimination regarding race, color, religion, age, national origin, sex, and disability. Inquiries regarding compliance with Title VI of the Civil Rights Act of 1964, as amended; Title IX of the Educational Amendments; Section 504 of the Rehabilitation Act of 1973; and the Americans With Disabilities Act of 1990; or related legal requirements should be directed to the Director of Personnel/Human Relations, Office of the Dean, College of Agriculture and Natural Resources, Symons Hall, College Park, MD 20742.
Crops Twilight Barbecue & Ice Cream Social CMREC Upper Marlboro Farm

August 8, 2013
You are invited to attend a Field Crops Research Twilight, Barbecue and Ice Cream Social at the Central Maryland Research & Education Center, 2005 Largo Rd., Upper Marlboro, MD on Thursday, August 8, 2013 from 4:30 to 9 pm. A barbecue dinner will be served at 4:30 pm followed by homemade ice cream prior to the evening tour. University of Maryland Extension Educators and Specialists will showcase their field crop, vegetable and fruit research plots.

The twilight tour highlights will include:

- Vegetable integrated pest management and reduced risk control methods;
- Field crops research updates;
- Meadow orchard concept and Fruit research update for apples, peentos, blueberries and beach plums; and a vineyard research update for wine grapes.

Barbecue Begins at 4:30
Ice Cream Served at 5:15
Crops Twilight at 6:00
Please arrive on-time as the tour will start promptly at 6:00 pm. This event is free. However, a reserved meal ticket is required. If you need special assistance to participate, please contact the Anne Arundel County Extension office at 410-222-3906 by August 5, 2013.

For full meeting details, and registration information contact any of the Southern Maryland Extension offices. For more information contact David Myers at the Anne Arundel County Extension office at 410-222-3906

Strawberry Virus Alert...

Two strawberry viruses, in combination, are causing problems for Eastern strawberry growers. The viruses (strawberry mottle virus, abbreviated SMoV; and strawberry mild yellow edge virus, abbreviated SMYEV) have now been discovered in Pennsylvania, and growers are advised to check plants propagated from runner tips obtained from Nova Scotia. For more information go to...

www.extension.psu.edu/plants/tree-fruit/news/2013/strawberry-virus-alert

Soybeans & Corn in Maryland

The Soybean Variety Test results have been posted to the MD CROPS website:
http://mdcrops.umd.edu/Soybeans/2012_af32_final.pdf
Latest soybean and corn Trial Results available at:
http://mdcrops.umd.edu
www.mdcrops.umd.edu/corn/AgronomyFactsNo54_1

Strawberry Twilight

Wednesday, May 29, 2013
6 – 8 pm
Wye Research and Education Center
211 Farm Lane
Queenstown, MD

The 2013 Annual Strawberry Twilight Meeting at the WREC in Queenstown, MD, will be held Wednesday, May 29 from 6-8 pm, rain or shine.

University of Maryland and USDA specialists will discuss current research, other small fruit growing topics, and “program production” of small fruit.

We’ll have refreshments and pre-registration is not necessary. If you need special assistance to attend this program, please call Debby Dant at 410-827-8056 x 115, no later than May 23, 2013.

For additional program information, contact Michael Newell, Horticulture Crops Program Manager, 410-827-7388 or mnewell@umd.edu

2013 Custom Rate Survey Results Available

The purpose of Fact Sheet 683 is to provide information on custom work charges in Maryland and to provide data to assist in decision making regarding purchasing equipment. Custom rates in this publication may not suit all custom operators and those hiring custom work. It is important that operators calculate their own custom costs. It is also important that farmers create their own budgets which include their variable costs and fixed costs and do not rely only on custom rates to determine their cost of production. FS 683 can be accessed online at:
Paper copies can be picked up at any University of Maryland Extension office.
www.extension.umd.edu/grainmarketing/custom-rates-0

MARYLAND Pesticide Sensitive Crops Locator

The Maryland Pesticide Sensitive Crops Locator is an online mapping application that provides the locations of crops sensitive to pesticide damage in the state; these crops include but are not limited to organic farms, grapes, livestock, nurseries, beehives, vegetables etc. The objective of the mapping application is to assist state licensed pesticide applicators in identifying locations where sensitive crops are grown in order to take extra precautions for preventing the potential exposure of these crops to spray drift. Pesticide applicators have access to this map and other aerial photographs within the application.

The Locator can be accessed through MDA website (www.mda.maryland.gov) under “Hot Topics.”
National Cantaloupe Guidance

The American Vegetable Grower eNews highlighted the recently published National Commodity-Specific Food Safety Guidelines for Cantaloupes and Netted Melons or also known as the National Cantaloupe Guidance.

This 40-page document contains the recommended GAPs and GHPs developed by a committee made up of large farmers, marketing organizations, food store chains, and university personnel. Jeff Stoltzfus from Lancaster Co. PA is the closest member of the committee. Available at the following link:


Branching Out

Branching Out, Maryland’s Forest Stewardship Education newsletter, is published four times per year by University of Maryland Extension. Branching Out provides educational information, current news and events and is intended to reach anyone interested in forest stewardship including landowners and natural resource professionals. We encourage you to share this free newsletter with others and invite them to subscribe and review past newsletters by visiting the Branching Out Newsletter Page at:

www.naturalresources.umd.edu/Newsletter.html

Gardening questions? Pest Problems? The Home and Garden Information Center can help!

Consultants are available by phone Monday – Friday, 8 am to 1 pm.
Call 1-800-342-2507 or 410-531-1757 or visit the HGIC website at www.extension.umd.edu/hgic

SARE’s New Collection of How-To Resources

With consumer interest in locally raised foods steadily growing, vegetable farmers are discovering they can add an important income stream through high tunnels—a cost-effective means to extend production and sales into the traditional off season. In-depth information about high tunnels is available in Sustainable Agriculture Research and Education Program's (SARE) new Season Extension Topic Room, a one-stop collection of dozens of guidebooks, curricula, webinars, bulletins, and other how-to materials to help farmers, educators, and researchers across the country implement effective season extension strategies. Information products in the Season Extension Topic Room derive from SARE-funded research and education projects, and are organized according to key topic areas: Overview; Types and Construction; Variety Trials and Selection; Fertility Management; Pest Management; Water Management; Energy; and Marketing and Economics. The Season Extension Topic Room will be updated with new resources as they become available. SARE is funded by the National Institute of Food and Agriculture (NIFA), an agency within the U.S. Department of Agriculture (USDA).

Commercial Vegetable Production Recommendations

The 2013 Commercial Vegetable Production Recommendations (EB-236) book is available at the Extension office. The cost is $12. This reference provides valuable information about irrigation, fertility, pest control and an extensive list of informational websites.
Maryland’s 2013 Pesticide Container Recycling Program

The Maryland Department of Agriculture (MDA) is offering the empty plastic pesticide container recycling program in 2013. Maryland’s pesticide container recycling program is a combined effort of state, county, and federal agencies and private industry working together to protect the environment. Rinsing and recycling empty pesticide containers will help to reduce the potential for contamination of ground water and the Chesapeake Bay while saving valuable landfill space.

A schedule of local collection sites and dates is highlighted below. Other sites across Maryland are available on the MDA website. Triple-rinsed (or equivalent), clean, plastic, pesticide containers will be collected on the scheduled days and times at these sites. Containers acceptable for recycling will be chipped and transported by the contractor, under contract with the Ag Container Recycling Council (ACRC), for processing at an approved recycling facility.

To ensure a successful program, each individual container will be inspected by MDA personnel and only triple-rinsed (or equivalent), clean, pesticide containers will be accepted. Any container that is not clean will be returned to the owner, who will be responsible for disposing of the container in a legal manner.

Additional information on the rinsing of empty pesticide containers and recycling program can be obtained from the following MDA publications: Rinsing & Recycling Empty Pesticide Containers, and Pesticide Information Sheet No.7 - Pesticide Container Recycling Program. For further information, contact the Maryland Department of Agriculture, Pesticide Regulation Section at 410-841-5710 or visit our website at www.mda.maryland.gov.

Maryland Department Of Agriculture’s 2013 Pesticide Container Recycling Collection Dates

Central Maryland Locations

Baltimore/Harford County - White Hall
The Mill will only except containers from their current customers, only.

<table>
<thead>
<tr>
<th>LOCATION</th>
<th>DATES</th>
<th>TIME</th>
</tr>
</thead>
<tbody>
<tr>
<td>The Mill of Black Horse 4551</td>
<td>June 1 thru Sept</td>
<td>Call for hours at</td>
</tr>
<tr>
<td>Norrisville Road</td>
<td>30</td>
<td>410-692-2200</td>
</tr>
</tbody>
</table>

Harford County – Street

<table>
<thead>
<tr>
<th>LOCATION</th>
<th>DATES</th>
<th>TIME</th>
</tr>
</thead>
<tbody>
<tr>
<td>Scarboro Landfill, 3241</td>
<td>June 7</td>
<td>9:00 - 3:00</td>
</tr>
<tr>
<td>Scarboro Road</td>
<td>July 5</td>
<td>9:00 - 3:00</td>
</tr>
<tr>
<td></td>
<td>August 2</td>
<td>9:00 - 3:00</td>
</tr>
<tr>
<td></td>
<td>September 6</td>
<td>9:00 - 3:00</td>
</tr>
</tbody>
</table>

Containers must be cleaned (triple-rinsed or pressure-rinsed) according to label directions. Please remember to remove lids and label booklets from the containers prior to drop-off.

Inspection Checklist

☐ All containers must be made from high density polyethylene (HDPE).

☐ Any size container will be accepted. All containers over 30 gallons must be cut prior to recycling (contact MDA for instructions).

☐ Pesticide containers must be properly rinsed (pressure-rinsed or triple-rinsed).

☐ Caps and other non-HDPE parts, such as metal handles and rubber linings, cannot be recycled.

☐ Stained containers are acceptable provided no material can be smeared or removed when touched by a rubber.

☐ Please remove lids and label booklets prior to recycling.
Requirements for Incorporation of Organic Nutrients:

April 8, 2013

This information is intended to clarify site conditions that may exempt a producer from the requirement to incorporate or inject organic nutrient sources within 48 hours. It also provides guidance as to the type of documentation that will need to be kept as part of the records for implementation of a nutrient management plan when site conditions allow an exemption from this requirement.

The following is a list of site conditions that exempt a producer from the requirement to incorporate or inject an organic nutrient source within 48 hours:

1. Livestock manure deposited directly by animals
2. Permanent pastures
3. Land used for hay production
4. Fields which are defined as being highly erodible land (HEL) following USDA, NRCS Field Office Technical Guide and determination protocols. For purposes of this exemption these fields may be documented by a FSA map or by a SCWQ plan map verified with a SCD representative signature (either must be included with NMP).
5. Fields in which current soil conservation & water quality plan requirements prohibit or otherwise restrict soil disturbance. Documentation of this prohibition must be substantiated by a RUSLE calculation to compare erosion factors with and without incorporation or injection. In short, manure incorporation is exempted only if a RUSLE calculation shows that soil sediment delivery exceeds T, delivery in excess of T, will the field then be exempt from incorporation/injection requirements; iv. if the sediment delivery value does not exceed T in even when the best technology available in the market is used.
   a. if incorporation/injection results in sediment delivery in excess of T, then the field is exempt from incorporation/injection requirements, specifically:
      i. this comparison may first be run using incorporation equipment the producer has on hand or prefers to use;
      ii. if the above comparison exceeds T, then the comparison must be re-run using best available technology that minimizes soil disturbance such as vertical tillage or an injector
      iii. only if the latter comparison results in sediment delivery in excess of T, will the field then be exempt from incorporation/injection requirements; iv. if the sediment delivery value does not exceed T in the RUSLE calculated using best available technology, then the equipment must be ultimately used to incorporate any applied organic nutrients in the specific fields on which RUSLE was run.
   b. the RUSLE calculation should be based on the year of organic nutrient application for the crop that receives the application;
   c. the RUSLE calculation should be done on a field by field basis;
   d. only professionals recognized as trained and qualified to run RUSLE including a NRCS employee, MDA nutrient management certified consultant including a farmer certified to write nutrient management plans, NRCS technical service provider (TSP), or staff working in soil conservation district may prepare the RUSLE; and
   e. documentation must include operator, account ID field name/number, T designation, sediment delivery value with and without incorporation, and signature (include nutrient management certification ID number if applicable) of the RUSLE preparer.
6. Fields, other than HEL, which are restricted from disturbance due to an USDA or other legally recognized contract or requirement. Documentation should include pertinent information copied from the contract identifying the operator and delineating restrictions which prohibit soil disturbance.
7. Land where nutrients are applied to a growing crop through spray irrigation.
8. Small grains planted for harvest, either as grain or silage, will be considered to be a standing crop, and therefore exempt from incorporation of organic nutrient sources during spring green up.
The Maryland Department of Agriculture’s (MDA) revised nutrient management regulations took effect October 15, 2012 and are being implemented in stages over the next several years. Here are descriptions of the new requirements along with corresponding deadlines.

**Effective Immediately**
- Nutrient management plans that were developed before October 15, 2012 will need to be updated when they expire or if there are changes to the operation that require modifications, whichever occurs first. Plans revised or updated after October 15, 2012 must be developed and implemented in accordance with the revised requirements outlined in *Maryland’s Nutrient Management Manual*.

**Beginning Spring 2013**
- Manure, biosolids and other organic nutrient sources must be injected or incorporated into the soil within 48 hours of application. There are exceptions for spray irrigation on a growing crop, permanent pastures, hay production fields, and highly erodible fields. Information clarifying exceptions and guidance can be found at [www.mda.maryland.gov](http://www.mda.maryland.gov). Click on Nutrient Management under the Quick Links menu.

**Beginning Fall 2013**
- Fall application of nitrogen is prohibited on small grains if a fall nitrate test indicates levels greater than 10 parts per million (ppm) for wheat or 15 ppm for barley.
- Cover crops must be planted when organic nutrient sources are applied in the fall.

**Beginning January 1, 2014**
- Farmers are required to establish a 35 ft. setback for fertilizer applications adjacent to surface waters and streams. The setback is reduced to 10 ft. when “directed” application methods are used such as directed spray or injection, which reduce the potential for nutrient losses. No crop plants may be grown on the 10 ft. setback area with the exception of pasture and hay. Crop plants may be grown on the remaining 25 ft. setback, but may not be fertilized unless a “directed” application method is used.
- Livestock access to streams and certain surface waters is restricted by a minimum 10 ft. setback. **Fencing is not a necessarily requirement.** The regulations allow soil conservation district staff to evaluate each site to determine whether alternative BMPs such as watering facilities, stream crossings, pasture management techniques or vegetative exclusion will work equally as well as fencing in protecting water quality.

**Beginning July 1, 2016**
- Nutrient applications are prohibited between November 1 and March 1 for Eastern Shore farmers and between November 15 and March 1 for Western Shore farmers. This requirement applies to farmers with 50 or more animal units (*1 animal unit equals 1,000 pounds of live animal weight*).

**Beginning March 1, 2020**
- Farmers with fewer than 50 animal units are prohibited from applying nutrients between November 1 and March 1 on the Eastern Shore and between November 15 and March 1 on the Western Shore.
Summary of Nutrient Application Requirements Now in Effect

✓ Chemical fertilizer may be applied from September 1-November 15 for a growing crop, as long as University of Maryland recommendations are followed.

✓ Organic nutrients (except poultry litter) may be applied from March 1-November 15 for an existing crop, a fall planted crop, or a crop that is planted the following spring, as long as University of Maryland recommendations are followed.

✓ Poultry litter may be applied in spring and fall for an existing crop or crops planted for the upcoming season, if it is applied following University of Maryland recommendations.

✓ Organic nutrient sources must be injected or incorporated into the soil within 48 hours of application. Certain exceptions exist.

✓ Winter application (November 16-March 1) of chemical fertilizer is prohibited. Exceptions exist for green up of perennial forage crops and small grains as well as greenhouse, cool season grass sod production, and vegetable and fruit production, if applications are performed following University of Maryland recommendations.

✓ Use of potash and liming materials is not restricted in winter.

✓ Manure deposited directly by livestock is not restricted at any time of year.

✓ Winter application of organic nutrient sources is permitted on cropland—with certain restrictions—until the 2016 deadline if:
  — an operation has inadequate manure storage through March 1
  — the manure/waste is non-stackable
  — there is no other reasonable option to manage the manure
<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>May 29</td>
<td><strong>Strawberry Twilight</strong></td>
<td>at Wye Research and Education Center, 211 Farm Lane, Queenstown, MD</td>
</tr>
<tr>
<td>November</td>
<td><strong>MD 2013 Pesticide Container Recycling Program</strong></td>
<td>At the Mill of Blackhorse call to find the times 410-329-6010.</td>
</tr>
<tr>
<td>June 4</td>
<td><strong>Pasture Walk</strong></td>
<td>6:30 pm rain or shine at 4852 Long Green Road, Glen Arm MD 21057</td>
</tr>
<tr>
<td>June 7</td>
<td><strong>MD 2013 Pesticide Container Recycling Program</strong></td>
<td>At the Scarboro Landfill, 3241 Scarboro Road from 9 am – 3 pm</td>
</tr>
<tr>
<td>July 5</td>
<td><strong>Pasture Walk</strong></td>
<td></td>
</tr>
<tr>
<td>Aug. 2</td>
<td><strong>MD 2013 Pesticide Container Recycling Program</strong></td>
<td></td>
</tr>
<tr>
<td>Aug. 6</td>
<td><strong>Agricultural Science Series</strong></td>
<td></td>
</tr>
<tr>
<td>Aug. 8</td>
<td><strong>Crops Twilight Barbecue &amp; Ice Cream Social</strong></td>
<td>at the Central Maryland Research &amp; Education Center, 2005 Largo Rd., Upper</td>
</tr>
</tbody>
</table>

**Agricultural Science Series**

The Baltimore County 4-H Program is committed to educating 4-Hers and the general public about the importance of Agriculture. We have created a series of Ag and Animal Science based workshops and opportunities for 4-H and non (future) 4-Hers. We encourage you to participate in these opportunities and spread the word. These will be wonderful opportunities for 4-Hers to add to their record books and animal person of the year nomination forms! We hope to see you there! To register for a session, please call the 4-H office at 410-771-1761. Sessions will be held at the Ag Center/4-H Office at 1114 Shuan Road, Cockeysville, MD 21030.

**Showing and Fitting Workshop**

June 9, 2013 1 pm – 5 pm