



## July 21<sup>st</sup> 2016 – MG Monthly Meeting Agenda

### Report and Discussion of Ongoing Projects:

- Farmers market
- Help desk
- Other projects
- Future prospects: Healthy Virginia Lawns, monthly newsletter, plant clinics, other ideas

### Reminder of Upcoming Diseases, Insects, and Abiotic issues:

- **Cole crops:** cabbage loopers, cabbage worm; powdery mildew
- **Cucurbits:** cucumber beetles, squash bugs, squash vine borer; powdery mildew
- **Fruits:** aphids, caterpillars, Japanese beetles; anthracnose, black rot, brown rot, downy mildew, scab
- **Ornamentals:** aphids, bagworms, boxelder bugs, Japanese beetles, lacebugs, spider mites, webworms; anthracnose, downy mildew, powdery mildew, leaf galls
- **Sweet corn:** corn earworm, fall armyworms
- **Tomatoes:** anthracnose, early blight, late blight, septorial leaf blight; aphids, spider mites, tomato hornworms; blossom end rot
- **Turf:** white grubs; fairy ring, fusarium blight, pythium blight, rhizoctonia brown patch, sclerotinia dollar spot, summer patch

### Upcoming Announcements and Events:

- Culpeper County Library is requesting help maintaining courtyard garden, can do on own but will not count towards MGV hours. Can speak with me about possibility of instituting educational aspect so that hours spent can be counted for MGV hours.
- The Rapidan River Master Gardeners Present: “From Your Backyard to the Blue Ridge”, September 17<sup>th</sup> 9am to 12pm
- Orange County Fair: July 20<sup>th</sup> to July 23<sup>rd</sup>

- Drinking Water Clinic for Madison, Greene, and Orange Counties at Madison County Extension Office: September 28<sup>th</sup> 2016; contact Brad Jarvis if interested in participating
- Master Gardener Volunteer Training planned to start on January 11<sup>th</sup> 2017 and will continue on Wednesdays on a rotating basis at the Culpeper, Madison, and Orange Cooperative Extension offices. Classes will be held from 9am to 12pm. Advertising material should be ready in early August.

### Helpful Links and Interesting Information:

- Pest Management Guide for Home Grounds and Animals:  
<https://pubs.ext.vt.edu/456/456-018/456-018-16-Home-grounds-and-animals.pdf>
- Pest Monitoring Calendar for Home Lawns: [http://pubs.ext.vt.edu/430/430-524/430-524\\_pdf.pdf](http://pubs.ext.vt.edu/430/430-524/430-524_pdf.pdf)
- IPM for vegetable gardens: [http://pubs.ext.vt.edu/426/426-708/426-708\\_pdf.pdf](http://pubs.ext.vt.edu/426/426-708/426-708_pdf.pdf)
- Insect and Mite Pests of Boxwood: <http://pubs.ext.vt.edu/ENTO/ENTO-42/ENTO-42-pdf.pdf>
- Maintenance Calendar of Cool-Season Turfgrass: [http://pubs.ext.vt.edu/430/430-523/430-523\\_pdf.pdf](http://pubs.ext.vt.edu/430/430-523/430-523_pdf.pdf)
- Tomato Disease & Insect Control – Tennessee Extension:  
<https://extension.tennessee.edu/grainger/Documents/Tomato%20Disease%20and%20Insect%20Control%20Manual.pdf>
- Boxwood Diseases & Insect Pests – Clemson Extension:  
<http://www.clemson.edu/extension/hgic/pests/pdf/hgic2052.pdf>
- BMP for boxwood blight: <https://pubs.ext.vt.edu/PPWS/PPWS-29/PPWS-29-pdf.pdf>
- Edible Squash Flowers: [https://www.washingtonpost.com/lifestyle/home/add-a-gorgeous-burst-of-color-to-dinner-with-squash-blossoms/2016/06/28/f94d5878-3412-11e6-8758-d58e76e11b12\\_story.html](https://www.washingtonpost.com/lifestyle/home/add-a-gorgeous-burst-of-color-to-dinner-with-squash-blossoms/2016/06/28/f94d5878-3412-11e6-8758-d58e76e11b12_story.html)
- Paperbark maple article: [https://www.washingtonpost.com/lifestyle/home/this-unique-tree-is-vastly-underappreciated--and-its-dying-out/2016/07/12/c665594e-4469-11e6-88d0-6adee48be8bc\\_story.html](https://www.washingtonpost.com/lifestyle/home/this-unique-tree-is-vastly-underappreciated--and-its-dying-out/2016/07/12/c665594e-4469-11e6-88d0-6adee48be8bc_story.html)



# Calendar of Common Insect Pests in the Landscape and Vegetable Garden

## **March**

Mites  
Scale

## **April**

Ants  
Aphids  
Boxelder bugs  
Boxwood leafminers; Boxwood psyllids  
Brown marmorated stink bugs  
Cabbage maggots  
Carpenter bees  
Cluster flies  
Colorado potato beetles  
Cutworms  
Eastern tent caterpillars  
Flea beetles  
Lady beetles  
Pine sawflies  
Squash vine borers  
Spotted cucumber beetles  
Striped cucumber beetles  
Termites

## **May**

Aphids  
Cabbage maggots  
Cankerworms  
Clover mites  
Colorado potato beetles  
Cutworms  
Diamondback moths  
Eastern tent caterpillars  
Elm leaf beetles  
European corn borers  
Flea beetles  
Gypsy moth caterpillars  
Corn earworms  
Diamondback moths  
European corn borers

Lacebugs  
Mites (evergreens)  
Pine sawflies  
Potato leafhoppers  
Squash bugs  
Squash vine borers  
Spotted cucumber beetles  
Striped cucumber beetles

## **June**

Aphids  
Bagworms  
Colorado potato beetles  
Cutworms  
Diamondback moths  
Elm leaf beetles (adult)  
European corn borers  
Fall webworms  
Flea beetles  
Hemlock woolly adelgids  
Japanese beetles  
Lacebugs  
Leafminers  
Potato leafhoppers  
Spider mites  
Squash bugs  
Squash vine borers  
Spotted cucumber beetles  
Striped cucumber beetles  
Tobacco hornworms  
Tomato hornworms

## **July**

Aphids  
Boxelder bugs  
Cabbage loopers  
Colorado potato beetles  
Mites (evergreens)  
Squash bugs  
Spotted cucumber beetles



Fall armyworms  
Fall webworms  
Japanese beetles  
Orange striped oakworms  
Potato leafhoppers  
Spider mites  
Squash bugs  
Squash vine borers  
Spotted cucumber beetles  
Striped cucumber beetles  
Tobacco hornworms  
Tomato hornworms

### **August**

Cicada killer wasps  
Corn earworms  
Diamondback moths  
Cabbage loopers  
European corn borers  
Fall armyworms  
Fall webworms  
Gypsy moth egg masses  
Japanese beetle grubs  
Orange striped oakworms  
Stinging caterpillars  
Spider mites  
Squash bugs  
Squash vine borers  
Spotted cucumber beetles  
Striped cucumber beetles  
Tobacco hornworms  
Tomato hornworms

### **September**

Brown marmorated stink bugs  
Diamondback moths  
Cabbage loopers  
Clover mites  
Gypsy moth egg masses  
Hemlock woolly adelgids

Striped cucumber beetles

### **October**

Boxelder bugs  
Brown marmorated stink bugs  
Cluster flies  
Lady beetles

### **Control Recommendations:**

<https://pubs.ext.vt.edu/456/456-018/456-018.html>



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[www.ext.vt.edu](http://www.ext.vt.edu)

## Calendar of Common Fungal Diseases

### February

Fusarium patch

### March

Fusarium patch

Red thread and pink patch

### April

Anthracnose

Black knot

Blossom blight

Cedar apple rust

Downy mildew

Fire blight

Helminthosporium leaf spot

Peach leaf curl

Powdery mildew

Quince rust

Red thread and pink patch

Scab

### May

Anthracnose

Black knot

Brown rot

Cedar apple rust

Downy mildew

Early blight

Fairy ring

Fire blight

Helminthosporium leaf spot

Late blight

Peach scab

Powdery mildew

Quince rust

Red thread and pink patch

Rhizoctonia brown patch

Scab

Septorial leaf blight

### June

Anthracnose

Black knot

Black rot

Brown rot

Cedar apple rust

Downy mildew

Early blight

Fairy ring

Helminthosporium leaf spot

Late blight

Pythium blight

Powdery mildew

Quince rust

Red thread and pink patch

Rhizoctonia brown patch

Scab

Sclerotinia dollar spot

Septorial leaf blight

### July

Anthracnose

Black rot

Brown rot

Downy mildew

Early blight

Fairy ring

Fusarium blight

Late blight

Powdery mildew

Rhizoctonia brown patch

Scab

Sclerotinia dollar spot



Septorial leaf blight  
Summer patch

### **August**

Anthracnose  
Bitter rot  
Black rot  
Brown rot  
Downy mildew  
Early blight  
Fairy ring  
Fusarium blight  
Late blight  
Pythium blight  
Powdery mildew  
Rhizoctonia brown patch  
Scab  
Sclerotinia dollar spot  
Septorial leaf blight  
Summer patch

### **September**

Anthracnose  
Bitter rot  
Black rot  
Downy mildew  
Early blight  
Fairy ring  
Late blight  
Powdery mildew  
Pythium blight  
Scab  
Sclerotinia dollar spot  
Septorial leaf blight  
Spring dead spot

### **October**

Bitter rot  
Black rot  
Powdery mildew  
Spring dead spot

Most of these diseases can be controlled with preventative sprays; refer to recommendations below:

Control Recommendations – [Fruits: https://pubs.ext.vt.edu/456/456-018/Section03-Home-Fruit-Disease-and-Insects.pdf](https://pubs.ext.vt.edu/456/456-018/Section03-Home-Fruit-Disease-and-Insects.pdf)

Control Recommendations – [Turf: https://pubs.ext.vt.edu/456/456-017/Section-7\\_Turf.pdf](https://pubs.ext.vt.edu/456/456-017/Section-7_Turf.pdf)

Control Recommendations – [Vegetables: https://pubs.ext.vt.edu/456/456-018/Section02-Home-Vegetables.pdf](https://pubs.ext.vt.edu/456/456-018/Section02-Home-Vegetables.pdf)



## YOUR LAWN & WATER QUALITY

According to the Virginia Department of Conservation and Recreation, the proper management of fertilizers on turf and landscape areas helps prevent the accumulation of excess nutrients in groundwater and surface water. Accumulation of nutrients in groundwater used as drinking water sources can pose public health risks. Excess nutrients in surface waters upset the natural balance needed for healthy and productive rivers, lakes and streams. Nutrient-enriched waters are prone to algal blooms and depletion of oxygen, resulting in a water body incapable of supporting fish and other aquatic organisms.



How can you as a homeowner help protect water quality? Is it possible to have a healthy and green lawn while still being environmentally responsible? Yes! By working with the Healthy Virginia Lawns program, you will have a scientifically derived nutrient management plan and be able to incorporate best management practices into your regular lawn care routine.



A program of Virginia Cooperative Extension

### FOR MORE INFORMATION:

**Please visit us online:**

[blogs.itx.vt.edu/mastergardener](http://blogs.itx.vt.edu/mastergardener)

[www.ext.vt.edu](http://www.ext.vt.edu)

**Or contact:**

Office of the State Master Gardener Coordinator

407 Saunders Hall, Virginia Tech

Blacksburg, VA 24061-0327

Phone: (540) 231-2714

Email: [freeborn@vt.edu](mailto:freeborn@vt.edu)



[www.ext.vt.edu](http://www.ext.vt.edu)

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If you are a person with a disability and desire assistance or accommodations, please notify John Freeborn at 540-231-2714(TDD) during business hours of 8:00 a.m. and 5:00 p.m. TDD number is (800) 828-1120.

## HEALTHY Virginia LAWNS

A program of Virginia Cooperative Extension  
in partnership with Virginia DCR

Helping homeowners learn and implement  
best management practices for their lawns.



## HEALTHY VIRGINIA LAWNS

Healthy Virginia Lawns offers personalized lawn care recommendations based on your lawn's specific needs. This program begins with a site visit and soil analysis and ends with a complete management plan. When followed, these recommendations can lead to a "green" lawn - both beautiful and environmentally friendly.



The Healthy Virginia Lawns program is offered through the Virginia Cooperative Extension Master Gardener program. Check with your local Extension office to determine availability in your area ([www.ext.vt.edu/offices](http://www.ext.vt.edu/offices)). Depending upon your area, a fee may be assessed to cover the costs of soil tests and program materials.



### HOW IT WORKS

An Extension Master Gardener volunteer will come to your home to perform a site visit, which includes:

 MEASURING  
LAWN AREA

 COLLECTING SOIL  
SAMPLE(S)

 COMPLETING A DETAILED  
SITE EVALUATION

Cooperative Extension staff then use this information in conjunction with soil laboratory analysis results to make specific recommendations for your lawn. Your lawn care program will incorporate your soil analysis, current lawn condition, and desired outcome into an easy-to-follow plan.

### BEST MANAGEMENT PRACTICES

As a result of participating in the Healthy Virginia Lawns program, not only will the appearance and quality of your lawn improve, you should also gain an increased knowledge of proper and important lawn care practices, such as:

- Applying lime (if recommended) and fertilizer based on soil test results and the square footage of your lawn areas
- Mowing at the proper height for the type of grass you are growing
- Using the 1/3 mowing rule
- Recycling mulched grass clippings and leaves back into the lawn
- Sweeping granular product (fertilizers, weed control, etc.) and grass clippings off hard surfaces such as roads, driveways, and sidewalks and returning them to the lawn
- Watering deeply, infrequently and early in the day (or not at all)
- Identifying weeds and appropriate times for application before attempting control

CONTACT YOUR LOCAL VCE OFFICE TODAY TO REGISTER FOR THE PROGRAM.



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