

QUICK LINKS

[AA COUNTY
MASTER
GARDENER
PROGRAM](#)

[Newsletters](#)

[Training Calendar](#)

[EAB Minutes](#)

[Policy &
Procedures
Handbook](#)

[Timesheets](#)



July 2010 Monthly Meeting

Date: Tuesday, July 13, 2010

Place: St. Margaret's Church, Westminster Parish
1601 Pleasant Plains Road
Annapolis, MD 21409-5928

Time: 7 p.m. Business Meeting
7:30 p.m. Speaker

“Fruit Trees For This Region”

Kathy Jentz

Editor and Publisher of Washington Gardener

Kathy Jentz is Editor, Publisher, and Founder of *Washington Gardener* Magazine. She is a life-long gardener from a family of farmers and dedicated gardeners and believes that growing plants should be stress-free and enjoyable. Her philosophy is inspiration over perspiration!

Currently, she is President of the Silver Spring Garden Club and on the board of several other clubs and organizations. Kathy's work is featured in numerous area publications including the *Washington Examiner* newspaper, *Pathways* Magazine, and *Washington Women* magazine. In addition, she appears regularly as a guest on Channel 9, Channel 4, and WAMU radio gardening spots.

The *Washington Gardener* magazine is published specifically for the local metro area — zones 6-7 — Washington DC and its suburbs. The premiere issue was published in March/April 2005 and is now celebrating a fifth anniversary. It contains information on how to address the problems and opportunities of the Washington, DC Metro climate and micro-climates, using a bit of humor and whimsy, especially when treating the humidity and vagaries of the weather here. Many notable gardening personalities in the local area contribute to the magazine, sharing their experience and expertise.

Kathy will be presenting information on fruit trees and growing them in this area. She will explore several types that do well here and talk about the care and feeding of them.

In this Issue:

- [The Coordinator's Corner](#)
- [Got Hours? Updates from the Executive Advisory Board](#)
- [Speakers Bureau Revamped](#)
- [Rose Thorne Disease](#)
- [Ice Cream Social and Plant Exchange](#)
- [Patuxent Research Refuge](#)
- [Anne Arundel Master Gardener Project Reports](#)
- [Apprentice Garden](#)
- [Ask A Master Gardener](#)
- [Bay-Wise](#)
- [Beekeeping](#)
- [Colonial Garden](#)
- [London Town Propagation](#)
- [Monastery Garden](#)
- [Woodland Garden](#)
- [From the State Office](#)

Anne Arundel County Extension
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 ANNE ARUNDEL COUNTY GOVERNMENT OFFICE BUILDING ☎ 7320 RITCHIE HIGHWAY, SUITE 210 ☎ GLEN BURNIE, MARYLAND 21061

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THE COORDINATOR'S CORNER

Mike Ensor, Coordinator

I first want to thank all of our Master Gardeners for all of their time and energy this past spring for a job well done with all of our Master Gardener projects. I want all of you to know that I keep hearing from the public the many compliments of our Anne Arundel Master Gardeners. One example this past month was when I received an email from a county resident on how the Bay – Wise certification program two years ago made a difference in the quality of life for their family. The resident now would like the Master Gardeners to revisit the site to see what changes have taken place. Sometimes we do not always see immediate results from a particular program and may be 2 years later when we hear how a particular program has made a difference in the lives of individuals. You all have success stories so let's hear about them and publish them in the newsletter and on the website.

Please congratulate Kay Ford, Anne Arundel Master Gardener on receiving her Associate of Applied Science Degree in Horticulture from the Community College of Baltimore – Dundalk this past month. Kay graduated “summa cum laude” (with highest honor). In addition, Kay received certificates in Turf Management, Landscape Management, and Nursery and Greenhouse Management. Congratulations Kay and much thanks to Mary Beam for letting me know!

Last but not least, please take some “time out” to enjoy the summer with family and friends. I would like to end my article with the following thoughts.

*When all Master Gardeners celebrate, hearts open.
 When all Master Gardeners educate, stand back!
 When all Master Gardeners help improve the quality of life, each person changes.
 The energy of Master Gardeners gives life to people far beyond the walls of our meeting places*

*and isn't giving a better quality of life the business we are all about?
The energy of the Master Gardeners breaks down walls, reaches the larger community and builds bonds.
These wonders happen with the Anne Arundel Master Gardeners each and every day.*

**Has your contact information recently changed? Update your info today!
All it takes is an email to rebeedle@verizon.net**

Executive Advisory Board for 2010

Susan Knisely	Chairperson
Lisa Winters	Vice Chairperson
Elizabeth Matarese	Fiscal Advisor
Deb Stevens	Recording Sec.
Joe Marsala	Member Support
Barbara MacNemar	Member

**Got Hours?
UPDATE FROM THE
EXECUTIVE ADVISORY BOARD**

Susan Knisely, Chairperson

Are you up-to-date reporting your volunteer and training hours? We hope so! I know this isn't the most exciting topic and you might think it's just a paperwork burden, but it is important to our organization.

At our EAB meeting in June, we discussed reporting volunteer hours and how those numbers are used. Of course, one of the most important uses for each of us to meet the minimum requirements to maintain our status as active master gardeners with 20 hours of volunteer time and 10 for continuing education. This is a minimum standard set by the University to ensure we maintain an experienced and well trained professional cadre of volunteers. The University and the County Extension also use the number of volunteer hours and educational contacts to help support and justify our program. In the last 2008 annual report, the University estimated the value of our volunteer hours at \$21.20 per hour. Last year we reported 9,248 hours – that's almost \$200,000 toward improving the environment, sustainability, and quality of life in our community! In tight budget times, you can see how the MGs add a tremendous value to Anne Arundel County.

We'd also like to use the hours and educational contacts reported for each committee to help improve the effectiveness of our activities and support for our members in Anne Arundel County. We are very lucky to have the great system that Ralph Beedle has set up to report our hours. Many counties still do this by hand! With Ralph's system we're able to see the volunteer hours and educational contacts recorded for each committee and the hours for each Master Gardener. This will be good information to help us figure out what's working well for committees and how to share good ideas. For example, what's the average and range number of hours per volunteer? Which kinds of activities have the most educational contacts per volunteer hour (e.g., demonstration gardens, children's programs, plant clinics, presentations)? Which activities require the most volunteer hours?

So take the time to report all your hours and keep up to date. The committee chairs report the educational contacts (or delegate that responsibility to someone on their committee). The webpage has the forms to use and instructions on how to fill it out and send it in. If you have other ideas on how we can measure and demonstrate the value we bring to our community, we'd like to hear your ideas. For example, as we work on our website, we want to count the number of visits and links to see how many people we reach through the internet.

SPEAKER'S BUREAU REVAMPED

Lisa Winters, MG

At a recent meeting, it was decided that the Speaker's Bureau would be divided into three sections: presentations, expositions and research and development.

Lisa Winters will take over scheduling the requests for speakers. A new email has been established for inquiries: aamastergardenerspeakers@gmail.com. Please refer any requests to that email. Also, Lisa will be contacting committee chairs to see what presentations your committee is doing and who the contacts would be for various topics.

Joe Ann Kuhn will schedule volunteers for expositions; manning booths at various venues. Research and Development will be assigned the task of developing new presentations for the group.

If you have an interest in any of these functions, please contact Lisa Winters law864@gmail.com or Joe Ann Kuhn jalkuhn@aol.com. Once a new list is developed, a meeting will be scheduled to develop some new strategies.

ROSE THORN DISEASE

Dottie Oliff, MG

"Rose Thorn Disease" also called rose gardener's or sporothrix schenckii is a fungus that resides on hay, sphagnum mosses and tips of rose thorns.

It causes infection, swelling, redness and open ulcers at the puncture site. The fungus can spread to the lymphatic system and move on to the joints and bones, where it ends up attacking the central nervous system and lungs when the thorn is deeply embedded.

Diagnosis can be complicated because it is relatively uncommon. When an ulcer presents itself it is often mistaken by a physician as a strep infection and gets treated accordingly. It is only when the antibiotics prescribed fail to eradicate the ulcer that physicians look outside the box.

The best way to prevent it is to wear gloves and to wash any punctures with an antibacterial soap.

ICE CREAM SOCIAL AND PLANT EXCHANGE

Joe Marsala, MG

Remember that in August we will have an ice cream social and plant exchange! This will happen at our regular time and meeting place. We still need some volunteers to setup; receive the plants; serve the ice cream; manage the plant exchange; and clean up at the end.

You should start soon to pot up the plants you plan to exchange. In order to keep the number of plants to a manageable number, please limit the plants you plan to exchange to five. Also remember that we will have the social/exchange at our regular time and place.

Just e-mail me to volunteer (joe-marsala@comcast.net).

PATUXENT RESEARCH REFUGE

Non-native invasive plants are threatening our wildlife habitat. We need YOU to help stop them. Come out for one of our "Weed Warriors Days" and help us treat garlic mustard, mile-a-minute, Japanese stiltgrass and other non-native plant infestations on the refuge. All ages and abilities are welcome. Do your part to protect Patuxent from alien invaders, and become a Weed Warrior! You will receive a short educational briefing explaining the effects of invasive plants on wildlife and wildlife habitats and how to identify and control these plants. Wear long sleeves and pants and bring gloves. Please register for this event by calling 301-497-5887. Dates for 2010 events are as follows (dates and times subject to change if necessary):

~~Thursday 04-22-2010, Earth Day event—Weed Warriors kick-off, North Tract Visitor Contact Station, 1:00PM—3:00PM~~

~~Wednesday 05-19-2010, North Tract Visitor Contact Station, 1:00PM—3:00PM~~

~~Wednesday 06-09-2010, North Tract Visitor Contact Station, 9:00AM—12:00PM~~

~~Wednesday 06-16-2010, North Tract Visitor Contact Station, 9:00AM—12:00PM~~

Wednesday 07-07-2010, National Wildlife Visitor Center, 9:00AM – 12:00PM

Wednesday 07-21-2010, North Tract Visitor Contact Station, 9:00AM – 12:00PM

Wednesday 08-04-2010, North Tract Visitor Contact Station, 9:00AM – 12:00PM

Directions to the North Tract Visitor Contact Station:

From I-295, take the exit for MD-Route 198 towards Fort Meade. Go approximately 1.5 miles until you see Glory Days Auto Salvage on your near right corner and baseball fields on your far right. Turn right between the two onto Bald Eagle Drive. Proceed through the gate and continue about 1/2 mile to the Visitor Contact Station.

Directions to the National Wildlife Visitor Center: The National Wildlife Visitor Center is located off of Powder Mill Road between MD Route 197 and the Baltimore/Washington Parkway, south of Laurel.

For additional information, call 301-497-5763 or visit <http://patuxent.fws.gov>.

ANNE ARUNDEL MASTER GARDENER PROJECT REPORTS

Apprentice Gardens

Anne Nourse & Rosie Tucker, Co-Chairs, MGs

The Apprentice Gardeners enjoyed a presentation on vermiculture by a Kinder Farm Park Community Gardener on the last Wednesday in May. She let the children tear up paper to add to her existing worm culture along with kitchen scraps. They also examined the red worms and compost under a magnifying glass, in a bug box and on paper using a flashlight to see the worms' behavior. In addition to pieces of plant matter and other small bugs, worm eggs were discovered in the compost. Some children took the red worms to learn more about them at home. Another exciting activity that evening was making a worm jar using lettuce and egg shells as food for the large wigglers. Before putting them into their new

home, everyone got a chance to try to locate their 5 hearts and compare these worms to the red ones. The families will be observing the worms to find out why they are important and will release them into their garden when they are finished.

After taking care of their gardens and planting cucumbers (both vines and bushes) and sweet potatoes under the Pea/Bean Tunnel on the first Wednesday in June, MG Jim MacNicholl gave a talk on composting explaining the need for organic matter to nourish plants. Children were shown the different stages of the composting process and participated by dumping out matter

formed at various phases. Thank you, Jim, for the informative presentation.

June's second meeting began with Apprentice Gardeners making no-cook strawberry jam at the Severna Park Jaycee Community Center. They did so well that each family was able to take home two 8-oz. jelly jars. And, many had strawberry moustaches from tasting their jam treat on crackers. The next June activity was making individual veggie cards to be used for a Veggie Bingo game. Children and their parents filled their card grid by drawing pictures of the vegetables and fruits we planted. As in regular Bingo, the first to cover a horizontal, vertical or diagonal line with their bean or paper markers won that round. Among the prizes to choose from were nature craft projects that included unpainted birdhouses, butterflies to paint, kit for making a turtle, flower pots, etc. We're planning on making cards for an Insect Bingo on the next rainy day. Miss Kathy gave a short talk on beneficial bugs and insect pests before our closing. Lately, we've seen the work of flea beetles and other bugs tasting our luscious crops. However, our first pea crop was not affected and families got a chance to taste the wonderful flavor of fresh snap peas.

And speaking of insects, a queen of some yellow jacket wasps decided to construct a nest at the very top of our pea/bean tunnel. These wasps actually are beneficials eating various pests such as aphids and flies but can sting again and again, so the original hive and a second one that was under construction needed to be sprayed to protect the families. Upon investigating the sprayed hives, we all saw dead larvae and sealed cells that contained eggs. Everyone was warned to cover sweet drinks and treats this summer to prevent the yellow jackets from wanting to try them and becoming a nuisance.

Due to the high temperatures and humidity, the third week of Apprentice Gardening was spent

Ask A Master Gardener

Joe Marsala, Chair, MG

June has been a good month for our group! Virtually all 55 volunteers in our group helped us achieve a major milestone this month – we completed our first 1,000 client education sessions! We performed 12 plant clinics and

indoors. Families observed the different shapes, colors and sizes of various types of beans and rice. After deciding which ones to use for decorating a wooden frame that will hold their family's garden portrait in it, the nature art project began. Each frame was uniquely and beautifully done. Those who finished early played the board game of Gardenopoly and a composting card game.

We will have an extra day at the Apprentice Garden this month on Monday, June 28 for Kinder Farm Park's "Behind the Scenes" event. Visitors will be taking a hay ride around the park to see and learn about the various groups and activities available at the park such as, the breeding and care of farm animals by 4-Hers, the creation of products from the black smiths, saw mill cutting, a culinary garden, the community gardens (of which we're a part), and much more.

Then the last meeting for June will be on the fifth Wednesday (June 30) beginning at 6:30pm. It is hoped the weather will be agreeable so we can walk about our garden, talk about changes that have taken place since we first started, weed, debug, and harvest our crops.

Many thanks go to our regular group of MGers who cheerfully help out at the meetings doing a variety of tasks from picking weeds to washing dishes. You are all invaluable and truly appreciated!

All are invited to come to the Apprentice Garden on any Wednesday of the month until the third week of September beginning at 6:30 till 8:00pm. Please let us know if you would like to come by contacting me at aonourse@verizon.net (410-721-2723/443-758-4447) or Rosie Tucker at helenrosetucker@hotmail.com

completed 549 client educational sessions. That brings our year-to-date total to 1,268!

It is such a pleasure to be associated with such dedicated, skilled volunteers. The difference they make is stunning!

Bay-Wise Committee

Judy Graham, MG

Our committee continues to have a successful year of talks and yard visit requests for certifications especially due to Christine Scee speaking about Bay-Wise to her Crofton Greenery Garden Club and expecting all the members to get their yards Bay-Wise certified! This club includes many MG interns who are quickly signing up for our visits; we like to see MGs certified.

By now we have visited twenty-three yards/gardens and seventeen of them have been

Beekeeping

Lisa Winters, Chair, MG

Mother Nature's Amazing Creature: The Honey Bee

The Beekeeping Project has proven to be a fascinating window to another world. Once again, the bees have shown that Mother Nature really knows what she's doing and sometimes we humans need to just sit back and let her work.

Perhaps you remember my spring report bragging that our hive was flourishing while many others in the county perished over the winter. A routine check showed that there was so much honey and so many bees that another box would have to be added to the hive. The queen is usually difficult to find but on this occasion, we spotted her *everywhere!* We came to the conclusion that there must be two queens. Surely our queen was not fast enough to appear in so many places so quickly.

The thought of two queens being in one hive started the theories flying. Did we kill the original queen when we were in the box, forcing the workers to groom an embryo into a new queen? Was the hive going to swarm? Speculation had to wait while we humans devised a plan. We quickly added another box and an excluder (a metal rack that would allow all bees to move through it except for the queen). Hopefully, we had the two queens on either side of the excluder to keep them apart. Since Arlington Echo lost all of their hives, we would give them one of our queens and a nucleus of bees to regenerate one of their hives. Several repeat trips to the hive failed to reproduce any queen sightings, let alone seeing two of them.

certified Bay-Wise, including six interns! So far sixteen interns have been included at our events and we hope some will return to be trained as members.

We are pleased with our busy year and hope it continues through the fall. We still hope more MGs will invite us to their yards – please start with emailing Margaret at baywise2005@comcast.net to get on our log.

Then, fear struck our hearts. Not only could we not find a queen, there were no eggs or brood in the entire hive. Our theories came rushing back. There was however, evidence that new queens had been born. But this hive would have to fend for itself for awhile.



The package of bees for the second hive had arrived and needed to be installed. They were placed in brand new boxes, fed and given our blessings. Three days later, we found the queen was still in her cage, dead. Now what? The only reasonable answer we could come up with was that the bees knew something that we didn't and disposed of a queen that was not healthy or otherwise unwelcome in this new hive.

Since this hive had not yet had a queen, there was no brood and no possibility that they could requeen themselves. After a few panic stricken phone calls, a new queen was found in Pennsylvania and she was expedited to our location. The recent arrival was placed into her new kingdom and our fingers were crossed. On the third day, we found the queen was out of her cage and quickly getting to work on building up the numbers in her new hive.

Okay. By now you're asking, "Whatever happened to the first hive?" We asked the same thing. On day 21, we could not find a queen but did find there was brood in various stages of development and we all drew a collective sigh of relief. That meant there was an active queen now working in both hives. With the sight of both hives going strong, we decided to close them up and leave them alone. We look forward to our next visit to the hives to see what the bees have in store for us.

The Colonial Garden at St. Margaret's Church

Ginny Klocko, Chair, MG

A dedicated group of workers showed up for our monthly work event on Saturday June 19. Surprisingly, when we got there much of the planned activities had been done by the garden fairy, who later was revealed to be our own Susan Barbi, who had come early. The group of Mary Beam, Catherine Waterman, Elaine Harshman, Sandy Patterson, Pat Morrison, and Ginny Klocko still found plenty of chores to keep us busy. Cindy Wells had watered the day before, but with the drought, we still needed more water, so Pat was kept busy for about an hour watering. We later laid down four bags of mulch, spruced up the new

shade garden, pulled up a few errant plants for give aways at the upcoming July joust. Catherine donated the mulch as well as some small fences to put around our shade garden.

On Saturday July 10, we plan to have a table at the church joust with HGIC information as well as someone out near the garden to answer questions. We hope that some of you will want to see the state sport in action and stop by our table and visit the garden.

London Town Propagation

Margaret Karnes, Chair, MG

There hasn't been much going on during the month of June for the Propagation Committee at London Town.

On 4 June, our group took a field trip and toured a private garden in Annapolis that had been the subject of HGTV's Secret Gardens of Annapolis. It was a most wonderful experience and the garden was full of roses, hydrangeas,

many perennials and a lovely collection of miniature tabletop garden displays.

The committee will not return to London Town until 9 July when we will be in full work mode again. Of course, we are still doing our watering duties by having someone there every day to water what is still in the greenhouse, shade house, etc.

Monastery Gardens

Dottie Oliff, Chair, MG

We have had quite a productive month at our garden.

We cleaned all five teak benches one week and had to use bleach water as there was lots of mildew on them.

This left our benches very dry so we used teak oil on them the following week and this week put a second coat on them.

They look great and mainly they can be sat on without getting dirty.

Weeds have really grown this past month so we will be busy the next few weeks trying to gain control over them. Hoping for rain as it is getting really dry.

We have been very lucky to have so any interns showing up.

Woodland Garden

Bonnie Pavlak & Candice' Rockwood, Co-Chairs, MGs

It is a delight to see the flowers and shrubs planted last year blooming this spring: jack-in-the-pulpit, bloodroot, lenten rose, mountain laurel, rhododendron, witch hazel and bleeding heart. Sensitive fern came up where we planted cinnamon fern - I cannot explain that! The lady fern came back as expected.



Sharon Smith and Jo Williamson

On April 29, we planted an Otto Luyden Laurel behind the TKF bench, mulched the path, moved mayapples out of the path, and labelled the plants.



Laura Pecoraro with Sue Maher and Jo Williamson in background

Undaunted by rain on May 17, Laura Pecoraro and Bonnie Pavlak planted 5 high bush blueberries and Nancy Landers planted more ferns and columbine.

May 25, Susan Maher, Scott Duran, Laura Pecoraro, Sharon Smith, Jo Williamson, and Elaine Harshman planted mountain laurel, arrow wood, muscledwood and mulched the blueberries.

A list of 2010 Projects with descriptions can be found on the web ([click here](#))

Want an easy way to communicate with your fellow Master Gardeners?

If you would like an easy way to send a message out to the whole MG group or see messages sent by others, think about joining our Yahoo MG email group. This is a way for anyone to send or respond to messages or announcements (separate from the newsletter). All you need to do is to let Robin Costas know you want to be on the list by sending her an email at costasrt@gmail.com

NEWS FROM THE STATE MG OFFICE

ADVANCED TRAINING NEWS FROM THE STATE MG OFFICE

MG Advanced Training Pollinators

Locations: July 19 - Baltimore County (Oregon Ridge Nature Center) Cockeysville
July 20 - Queen Anne's Co (4H Park), Centreville
August 23 - Washington Co. (Western Maryland Research and Education Ctr.)

Keedysville

Time: 8:30 am – 4:00 pm

Instructors: Connie Schmotzer, Penn State Cooperative Ext.; Alex Surcica, Penn State CE;
Kim Carlen, Penn. Dept of Agriculture; Maryann Frazier, Penn State CE

Registration Fee: \$10; Registration Deadline is one week before the start of each class.

Intensive, full-day workshop covering pollinator biology, ecology, taxonomy, habitat requirements, and how to minimize the impact of pesticide applications on pollinators. Improve your knowledge on pollinator species and importance, and how to better manage pollinators and their vital environmental services. Learn the most up-to-date pollinator-friendly IPM practices. This workshop will have 4 parts plus a Q&A at the end:

- 1) Gardening for Pollinators: How to Landscape to Protect Pollinators, Connie Schmotzer. The main threats pollinators face today are habitat loss and degradation and fragmentation of the landscape. Learn how to bring pollinators back into the landscape by choosing pollinator friendly plants and landscaping techniques that will provide the food and shelter they need.**
- 2) Developing Pollinator-nesting Habitats, Alex Surcică. Ecology and the nesting requirements for various native bee species present in the Northeast region and workshop on how to build manmade nesting habitats for cavity- and wood-nesting bees.**
- 3) Identifying Native Pollinators for a Proper IPM, Kim Carlen. Pollinators play a vital role in the production of many of our fruits and vegetables and in maintaining healthy and diverse ecosystems. Attendees will learn to recognize the native pollinators in their area, with an emphasis on native bee populations. Hands on training in identification, monitoring and sampling techniques will be provided.**
- 4) Understanding Pesticide Impacts on Pollinators, Maryann Frazier. Research-based information regarding the lethal and sub-lethal synergistic effects of pesticides on pollinators under both acute and chronic exposure. Also learn softer alternatives.**

This program is brought to us by the Penn State Cooperative Extension and the Northeast IPM Center.

For full program description and speaker bios go to:

<http://mastergardener.umd.edu/AdvancedTraining/Pollin2010.cfm>

MG Advanced Training Vegetable Demos and Diagnostics

Instructor: Jon Traunfeld, State MG Coordinator; Extension Specialist, Fruits and Vegetables

Let's go see what's happening in the vegetable garden and hone our skills. We'll be looking for and identifying summer pests, diseases and abiotic problems, then proceed to a discussion of prevention, deterrence and cures. We'll also be demonstrating some techniques that will allow you to extend your gardening season and to irrigate your plants more efficiently. See some great gardens too! Registration Fee: \$15

Chesapeake Ranch Estates (Lusby - Calvert Co.)	Wed. 7/14	6pm - 8:30pm	Reg. Deadline: 7/7
Cromwell Valley Park (Parkville - Baltimore Co.)	Wed. 7/21	6pm - 8:30pm	Reg. Deadline 7/13
Lambert Home (Middleton - Fred. Co.)	Wed. 7/21	8:30am -.11am	Reg. Deadline 7/13
Master Peace Garden (Riverdale - P.G. Co.)	Thurs. 7/22	6pm - 8:30pm	Reg. Deadline 7/15
Lake Elkhorn Gardens (Columbia - Howard Co)	Thurs. 7/22	8:30am -11am	Reg. Deadline 7/15
Pot Pie Garden (Wittman - Talbot Co.)	Mon. 7/26 (new date)	8:30am -.11am	Reg. Deadline 7/19
Great Kids Farm (Catonsville - Baltimore Co)	Tues. 8/17	8:30am -11am	Reg. Deadline 8/10

MG Advanced Training Plant ID/Taxonomy

Location: Anne Arundel Co. - Mondays 7/12, 7/19; 7/26; 6pm-9pm; St. Margaret's Church (Annapolis);

Instructor: Wanda MacLachlan, Extension Environmental Educator;

Registration Fee: \$35.00 Reg. Deadline: 7/5

MG Advanced Training Plant Diseases

Location: Charlotte Hall Library- St. Mary's Co.

Date: **Thursday, Sept. 16, 2010; 9:30am-3:30pm**

Instructor: **David Clement, Ph.D., UME Specialist in Plant Pathology, Home and Garden Info. Center,**

Registration Fee: **\$30** Registration Deadline: **Tues. Sept. 9** Class limit: **25**

Course Description: **Plant diseases often seem like exotic mysteries left up to the experts to solve. Well, guess what- we MG's can now begin to unravel some of these mysteries ourselves. In this course you'll learn all about the bacteria, fungi and viruses that cause plant problems. You'll also learn about their symptoms, cycles and controls. In addition to the lecture and handouts you will get hands-on training using both samples and fieldwalk. We hope that you'll feel comfortable enough with the basics of plant diseases to be able and to recognize problems in your own gardens and to use the information competently to help clients at plant clinics.**

MG Advanced Training Shade Trees

Locations & Dates: Frederick Co. Extension **Tuesdays 9/28, 10/12, 10/19**

Howard Co. Extension **Thursdays 9/30, 10/7, 10/14**

Times: **9:30am-12:30pm**

Instructor: **Wanda MacLachlan, Area Environmental Educator, UME**

Registration Fees: **\$45** Registration Deadline: **Sept. 21, 2010**

Course Description: **Fall is a beautiful time to study Shade Trees! Join us as we learn ID and cultural information for about 40 of our most common shade trees. You'll learn how to tell the difference between one maple or oak and another, which shade trees last the longest, grow the fastest, are the most pest resistant.**

The State MG Advanced Training information and registration forms can be found at:
<http://mastergardener.umd.edu/AdvancedTraining/index.cfm>

STATE MG ADVANCED TRAINING REGISTRATION FORM

Date: _____ MG County: _____ Phone: _____

Email: _____

Name: _____ Address: _____

Please mail in your completed form with check made payable to the University of Maryland. Return form to: MG Classes, HGIC, 12005 Homewood Rd. Ellicott City, MD 21042.

Course	Description	tuition	check box	total owed
Pollinators	Tuition. Indicate location: <input type="checkbox"/> Baltimore Co. 7/19 <input type="checkbox"/> Queen Anne's Co. 7/20; <input type="checkbox"/> Washington Co. 8/23	\$15	<input type="checkbox"/>	_____
Vegetables (GIEI) - Diagnostics and Demos	Tuition. Indicate location: <input type="checkbox"/> Calvert (7/14) <input type="checkbox"/> Fred. (7/21). <input type="checkbox"/> Prince George's (7/22) <input type="checkbox"/> Howard (7/22) <input type="checkbox"/> Talbot (7/26) <input type="checkbox"/> Balto.Co. (Cromwell) (7/21) <input type="checkbox"/> Balto.Co. (Great Kids) (8/17)	\$15	<input type="checkbox"/>	_____
Plant ID/Taxonomy	Tuition. Indicate location: <input type="checkbox"/> Anne Arundel 7/12, 19, 26 Required Test: <i>A Field Guide to Trees & Shrubs</i> (Peterson Field Guide) by George A. Petrides	\$35 \$16	<input type="checkbox"/> <input type="checkbox"/>	_____ _____
Plant Diseases	Tuition Charlotte Hall Library (St. Mary's Co.) 9/16	\$30	<input type="checkbox"/>	_____
Landscape Horticulture: SHADE TREES	Tuition. Indicate Location: <input type="checkbox"/> Fred. Co. 9/28; 10/12&19 <input type="checkbox"/> How. Co. 9/30; 10/7&/14	\$45	<input type="checkbox"/>	_____

If you prefer to pay by credit card, please fill in below. You can then mail or fax (410-531-5567) the form

Credit card company: Visa MC Discover Your name (as it appears on
card): _____

Number on card: _____ Expiration Date: _____

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