Light Choices for Starting Plants Indoors

Taken from: https://marylandgrows.umd.edu/

By: Jon Traunfeld, Extension Specialist

There seem to be new lighting choices for indoor plant growing every year. If you’ve been starting annual flower and vegetable plants indoors you probably learned early on that natural light entering through windows is hardly ever adequate. Some type of supplemental light is essential to produce healthy transplants. But what types of bulbs and fixtures work best? And how much money do I really want to spend on something I’ll use for 8-12 weeks each year?

Fluorescent Lights

Many gardeners use 2 ft. or 4 ft. long fluorescent tubes in a fixture (a.k.a “shop light”). The T number is the tube diameter in 1/8 inch units. The traditional T12 tube (1 ½ in. dia.) has been largely replaced by slimmer T8 (1-inch dia.) and T5 tubes (5/8 inch dia.). All fluorescent tubes give off a small amount of heat—rarely a problem, even when foliage grows into them. Heat from the ballast in the fixture can help hasten germination and plant growth, especially when your set-up is covered with plastic.

LED Grow Lights

Light-emitting diodes (LEDs) give off very little heat, use less energy than fluorescent tubes, and last about twice as long. They are also mercury-free and made from plastic so won’t shatter like glass. LEDs appear to be the wave of the future for indoor lighting. Horticulturists and lighting engineers are working worldwide to customize wavelength combinations for specific plant production goals in commercial greenhouses and indoor.
Hello Everyone!

I hope you’re doing well. Hopefully, this bitter cold will be over before we know it and spring will be on its way. Just a few notes for this month:

⇒ While I’m out on maternity leave here is a list of people who will be running the “show.” My “official” last day is February 14th.

⇒ **Office Support:**
  ⇒ Shelia Shorter  [sshorter@umd.edu](mailto:sshorter@umd.edu)
  ⇒ Lee Ann Schnappinger Bridgman  [lbridgmn@umd.edu](mailto:lbridgmn@umd.edu) Lee is only part-time so please be patient if she doesn’t get back to you immediately.
  ⇒ Office phone number: 410-758-0166
  ⇒ Shelia and Lee will provide office support to the Master Gardener’s while I am on leave. They will help with copies, scheduling meetings at the office for committees, and other things as needed. Please make sure that you give them ample notice before stopping in if you need help with things.

⇒ **Newsletter:**
  ⇒ Sabine Harvey Phone: 410-778-1661 Email:  [sharvey1@umd.edu](mailto:sharvey1@umd.edu)
  ⇒ Deadline for newsletter submissions is the 23rd of every month

⇒ **Seed Swap (Kent Island Library in Stevensville)**
  ⇒ Karen Wimsatt (Lead) Email:  [jimandkaren.wimsatt@gmail.com](mailto:jimandkaren.wimsatt@gmail.com)
  ⇒ Date: March 16th

⇒ **Seed Swap (Chestertown Library)**
  ⇒ Sabine Harvey (Lead)  [sharvey1@umd.edu](mailto:sharvey1@umd.edu)
  ⇒ Saturday, February 23rd
  ⇒ Need help with seed swap table

⇒ **Plant Sale**
  ⇒ Chairs Cathy Tengwell  [cathy1542@gmail.com](mailto:cathy1542@gmail.com) and Laura Klingler  [clerisy@me.com](mailto:clerisy@me.com)
  ⇒ Greenhouse lead Jim Mullikin (MG)  [mullikin110@gmail.com](mailto:mullikin110@gmail.com) and Danny Levan (office staff)

⇒ **Monthly Meetings-Office staff-Lee & Shelia**
  ⇒ MG support-Jim Persels  [jpersels@yahoo.com](mailto:jpersels@yahoo.com)

⇒ **MG Basic Training**
  ⇒ QAC/Kent-Shelia, Lee, and Sabine
  ⇒ Talbot-Mikaela Boley  [mboley@umd.edu](mailto:mboley@umd.edu)
  ⇒ Dorchester-Emily Zobel  [ezobel@umd.edu](mailto:ezobel@umd.edu)
  ⇒ Hostess Sign up:  [http://signup.com/go/tOzSxjz](http://signup.com/go/tOzSxjz)

⇒ **Social Media**-Sabine Harvey  [sharvey1@umd.edu](mailto:sharvey1@umd.edu) and Denise Maleug  [d.malueg@gmail.com](mailto:d.malueg@gmail.com)

Continued on Page 3
Committee Contacts:

- Bay-Wise
  - Centreville North-Debbie Pusey debbiepusey@verizon.net
  - Kent Island-Cathy Tengwell cathy1542@gmail.com
- Ask A Master Gardener
  - KI-Liz Hammond er93hammon@aol.com & Deane Horowitz deanoch@yahoo.com
  - Chestertown-Sabine Harvey sharvey1@umd.edu
- Mentoring Jim Persels (Lead) jpersels@yahoo.com
- Galilee Garden Larry Lorenz lorenz@verizon.net & Cathay Miller millerca129@gmail.com
- Advisory Committee
  - Jim Persels jpersels@yahoo.com
  - Debbie Pusey debbiepusey@verizon.net
  - Jack Doub jkdoub@gmail.com
  - Susan Seth seths46@verizon.net
  - Larry Lorenz lorenz@verizon.net
  - Sabine Harvey sharvey1@umd.edu

- All MG volunteer activities have been added to http://signup.com/go/QdpYbQP Please use this link to sign up for the Plant Sale, helping in the greenhouse, the seed swap, and the plant clinic.
- MG Hours: Sabine and Pat Bowell will still have access to approve hours.

Best,
Rachel

Recording MG Hours-The New System

In early January the State MG Program launched our new MG Volunteer Management System (VMS) replacing the Online Tracking System (OTS) for recording volunteer hours. For more information on recording and reporting volunteer data go to: http://extension.umd.edu/mg/program-management/tracking-volunteer-hours

Once you become familiar with the functions of the new system, we hope that you will find the experience to be much more user friendly and offer new opportunities to report and view your volunteer records. Here’s another great link to walk you through the process: https://myemail.constantcontact.com/UME-Master-Gardener-Program---Learn-About-Our-New-Volunteer-Management-System--VMS--html?soid=1127069117597&aid=RPN6sNwNgw&

As always if you have questions or concerns please give Rachel or Sabine a call.
The Bay-Wise Committee held their first meeting of 2019 on Tuesday, January 15th. A recap of 2018 showed we had 20 visits: 16 certifications and 4 consultations. Three Bay-Wise MG’s had their gardens certified as Demonstration Landscapes. Our goal for 2019 is to do 20 certifications of which at least 10 will be Master Gardeners. Starting with our March monthly general meeting, we will have a sign-up sheet for MG’s to sign up for their property to be certified. If we do 2 to 3 a month, we will easily reach our goal and hopefully surpass it. Bay-Wise will have an exhibit at the Seed Swap at Kent Island Library on Saturday, March 16th. Our exhibit last year generated a lot of interest in the program. It’s a timely event as people are generally looking forward to spring and planning their gardens. Our next meeting will be Tuesday, March 19th at 1:30pm at the Extension office. All are welcome to attend.
## 2019 MG Meetings

<table>
<thead>
<tr>
<th>Meeting Date</th>
<th>Topic</th>
<th>Time</th>
<th>Place</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wednesday, February 20, 2019</td>
<td>Lavender, Jay Falstead, Calico Fields</td>
<td>9:30-11:30</td>
<td>Queen Anne’s County Government Building 110 Vincit St. Centreville, MD 21617 Meeting Room 1</td>
</tr>
<tr>
<td>Wednesday, March 20, 2019</td>
<td>Natural Lands Project at Washington College, Dan Small</td>
<td>9:30-11:30</td>
<td>Queen Anne’s County Government Building 110 Vincit St. Centreville, MD 21617 Meeting Room 1</td>
</tr>
<tr>
<td>Wednesday, April 17, 2019</td>
<td>Ticks, Emily Zobel University of Maryland Extension-Dorchester County</td>
<td>9:30-11:30</td>
<td>Queen Anne’s County Government Building 110 Vincit St. Centreville, MD 21617 Meeting Room 1</td>
</tr>
<tr>
<td>Thursday, May 15, 2019</td>
<td>Hazardous Household Products, Beverly Jackey, FCS Educator, University of Maryland Extension-Cecil, Kent, and Queen Anne’s</td>
<td>9:30-11:30</td>
<td>Queen Anne’s County Government Building 110 Vincit St. Centreville, MD 21617 Meeting Room 1</td>
</tr>
<tr>
<td>Wednesday, June 12, 2019</td>
<td>Picnic</td>
<td>Time: TBD</td>
<td>Liz &amp; Bob Hammonds 215 Thomas Rd Centreville, MD 21617</td>
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<tr>
<td>Tuesday, July 16, 2019</td>
<td>Garden CSI, Mikaela Boley, UME-Talbot County</td>
<td>5:30-7:30</td>
<td>Centreville Library 121 S. Commerce St. Centreville, MD 21617</td>
</tr>
<tr>
<td>Wednesday, September 18, 2019</td>
<td>“Pollinators,” Kerry Wixted, Maryland Department of Natural Resources</td>
<td>5:30-7:30</td>
<td>Place TBD</td>
</tr>
<tr>
<td>Wednesday, October 16, 2019</td>
<td>Native Tree ID, Agnes Kedmenecz, UME Woodland Stewards Educator</td>
<td>9:30-11:30</td>
<td>Wye Research and Education Center</td>
</tr>
<tr>
<td>Wednesday, November 20, 2019</td>
<td>Bird friendly gardening with Native Plants, Susie Creamer, Patterson Park Audubon</td>
<td>9:30-11:30</td>
<td>Queen Anne’s County Government Building 110 Vincit St. Centreville, MD 21617 Meeting Room 1</td>
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<tr>
<td>December-Date TBD</td>
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<tr>
<td>Date</td>
<td>Time</td>
<td>Topic</td>
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<tr>
<td>Thursday, Feb 21&lt;sup&gt;st&lt;/sup&gt;</td>
<td>5:30- 8:30pm</td>
<td>Orientation and Policy Training</td>
<td>Emily &amp; Mikaela</td>
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<td>MG Intern Group Projects?</td>
<td>Emily &amp; Mikaela</td>
</tr>
<tr>
<td>Saturday, Feb 23&lt;sup&gt;rd&lt;/sup&gt;</td>
<td>9 am - 12</td>
<td>Botany</td>
<td>Wanda MacLachlan</td>
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<td></td>
<td>MG Intern Group Projects?</td>
<td>Emily &amp; Mikaela</td>
</tr>
<tr>
<td>Thursday, Feb. 28th</td>
<td>5:30- 8:30pm</td>
<td>Soil Science</td>
<td>Nicole F.</td>
</tr>
<tr>
<td>Saturday, Mar 2&lt;sup&gt;nd&lt;/sup&gt;</td>
<td>9 am - 12</td>
<td>Native Plants* &amp;/or Entomology?? (Flexible)- ROOM 210</td>
<td>Mikaela Boley and Emily</td>
</tr>
<tr>
<td>Thursday, Mar 7&lt;sup&gt;th&lt;/sup&gt;</td>
<td>5:30- 8:30pm</td>
<td>Ecology</td>
<td>Ginny Rosenkranz</td>
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<td></td>
<td>Invasive Plants</td>
<td>Ginny Rosenkranz</td>
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<tr>
<td>Saturday, Mar 9th</td>
<td>9 am - 12</td>
<td>Snow Day?</td>
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<tr>
<td>Thursday, Mar 14th</td>
<td>5:30- 8:30pm</td>
<td>Plant Nutrition &amp; Pruning</td>
<td>Andrew Ristvey</td>
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<tr>
<td>Saturday, Mar 16&lt;sup&gt;th&lt;/sup&gt;</td>
<td>9 am -12</td>
<td>Integrated Pest Management** &amp; Entomology II ROOM 210</td>
<td>Emily &amp; Mikaela</td>
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<tr>
<td>Thursday, Mar 21st</td>
<td>5:30- 8:30pm</td>
<td>Composting</td>
<td>Denise Malaug</td>
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<tr>
<td>Saturday, Mar 23rd</td>
<td>9:30 am -12:30pm</td>
<td>Turf &amp; Fertilizer</td>
<td>Dr. Gary Felton</td>
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<tr>
<td>Thursday, Mar 28th</td>
<td>5:30- 7:30pm</td>
<td>Plant Pathology &amp; Abiotic</td>
<td>Dave Clement</td>
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<td>7:30-8:30pm</td>
<td>Public Speaking &amp; Work on Projects</td>
<td>Coordinators</td>
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<tr>
<td>Saturday, Mar 30th</td>
<td>9 am - 12</td>
<td>Pesticides &amp; Agriculture</td>
<td>Jenny Rhodes</td>
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<tr>
<td>Thursday, Apr 4th</td>
<td>5:30- 8:30pm</td>
<td>Grow It, Eat It/Bay-Wise/Plant Clinics</td>
<td>Sabine Harvey; Mikaela, Emily, Carol Jelich (MG)</td>
</tr>
<tr>
<td>Saturday, Apr 6&lt;sup&gt;th&lt;/sup&gt;</td>
<td>9 am -12</td>
<td>Basic Tree I.D</td>
<td>Agnes K.</td>
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<tr>
<td>Thursday, Apr 11th</td>
<td>5:30- 8:30pm</td>
<td>Snow Day</td>
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<tr>
<td>Saturday, Apr 13th</td>
<td>9 am - 12</td>
<td>Online Volunteer Log &amp; Work on Projects</td>
<td>Coordinators</td>
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<td>Back up Snowday</td>
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<tr>
<td>Thursday, Apr 18th</td>
<td>5:30- 8:30pm</td>
<td>Jeopardy &amp; Study Day</td>
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<tr>
<td>Saturday, Apr 20&lt;sup&gt;th&lt;/sup&gt;</td>
<td></td>
<td>No class- Easter Weekend</td>
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<tr>
<td>Thursday, Apr 25&lt;sup&gt;th&lt;/sup&gt;</td>
<td>5:30- 8:30pm</td>
<td>EXAM</td>
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<tr>
<td>Saturday, Apr 27&lt;sup&gt;th&lt;/sup&gt;</td>
<td>9 am -12</td>
<td>Group Presentations</td>
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</table>

Interested in being a hostess for our upcoming training? Hostesses/hosts have the important job of being the first individuals the interns will interact with from the program! They supply basic snacks or refreshments for the class, but are not expected to provide a full meal. Hostesses/hosts bring basic snacks and refreshments (coffee to be supplied by program) for roughly 18-25 interns attending the class on Thursday evenings & Saturday mornings. Crackers, cheese, fruit, veggies, and hummus are an example of some foods that have been provided in the past. Juice, tea, or lemonade are also popular choices. To sign up click here: To sign up visit: [http://signup.com/go/tOzSxjz](http://signup.com/go/tOzSxjz)
Grow With Us

Become a Master Gardener:

Interested in improving the Environment?
Avid Gardener or wishing you had a green thumb?
Dedicated Volunteer?

If you answered yes to any of the questions above, you should consider becoming a University of Maryland Extension Master Gardener volunteer and joining the next class of enthusiastic horticulturalists! This rigorous 40+ hour course is designed to give you the basic information in preparation for volunteering as a University of Maryland Extension Master Gardener Volunteer. Topics will include: ecology, botany, soil science, plant pathology (disease), entomology, pest management, among others. This program emphasizes community involvement and outreach as well as environmental stewardship. A fee of $200 is charged to cover all costs including the University of Maryland Master Gardener Handbook. This class is held in conjunction with the University of Maryland Extension in Dorchester, Talbot and Queen Anne's Counties.

Classes are held: February 21 - April 20, 2019
Thursday Evenings 5:30 to 8:30 P.M.
Saturday Mornings 9:00 to Noon
Location: Eastern Shore Higher Education Center, Wye Mills
Cost: $200

For More Information Contact Master Gardener Coordinators:

Queen Anne’s County:  
Rachel Rhodes  
(410) 758-0166  
rjrhodes@umd.edu

Talbot County:  
Mikaela Boley  
(410) 822-1244  
mbole@umd.edu

Dorchester County:  
Emily Zobel  
(410) 228-8800  
ezobel@umd.edu
To start the New Year off, and knowing that the Master Gardener Training is coming up in February, we thought a display about “How to Become a Master Gardener” would be appropriate and encourage visitors to sign-up. We had a sign-up sheet and actually got five visitors to give us their contact information. A couple of them were very serious, and a couple weren’t sure, but wanted to know more about the program. Hopefully, we might get one or two to actually take the class! It’s amazing how many people stop by, look at our information, then sadly inform us that they do not have green thumbs and kill all the plants they touch! We do our best to convince them otherwise, however!

All in all, we had about thirty people stop by and visit with us. We handed out several information sheets on gardening tips for January (lots of houseplant information), and had a great discussion about cold frame gardening. Winter Gardening (cold frames and floating row covers) would be a good topic for one of the colder winter months at the farmers market.

Thanks to Jackie Kelly, Barbara Graham, and Carol Romano who braved the cold to come out and help us! We plan on having a display in February about “How to Melt Ice and Snow Safely,” so please consider joining us on Thursday, February 14, 2019! This is a great way to start getting your volunteer hours, and the vendors will surely have lots of goodies to purchase for Valentine’s Day!

Liz Hammond er93hammon@aol.com
Deane Horowitz deanoch@yahoo.com
We’ll be at Christ Church, Stevensville, 830 Romancoke Rd.

Upcoming Plant Clinic Dates: (at the Kent Island Farmers Market-unless otherwise noted) from 3:30-6:30 PM
February 14, 2019
March 14, 2019
April 11, 2019
May 9, 2019
June 13, 2019
July 11, 2019
August 8, 2019
September 12, 2019
October 10, 2019
November 14, 2019
December 12, 2019

To sign up for a particular day email Liz, come to an MG meeting or click on this link: http://signup.com/go/SyMwafK
**T-Shirt Order**

We’ve organized a T-Shirt order for our MG’s via Custom Ink. There is an option for a women's and a unisex T-shirt. Both come in blue or purple. Please be forewarned that the women's cut shirt does run small so it would be advisable to order a size up. The shirt is 4.5 oz combed ring spun cotton, polyester, and rayon tri-blend material.

The cost of the shirt is $22.45 and is paid directly to custom ink. The shirts will be shipped directly to the UME QAC Office in Centreville. After the order comes in your shirt can be picked up directly from the office. If you are ordering from another county (Kent, Talbot or Dorchester) I will make sure that it gets to your local Extension Office for you to pick up there. The deadline for ordering is February, 27th. We do need a minimum order of 20 shirts.

Here is the link: [https://www.customink.com/g/meb0-00bq-8gp9](https://www.customink.com/g/meb0-00bq-8gp9)

Women’s Tri-Blend V-Neck T-Shirt Sizing XS-4XL

Unisex Relaxed Tri-Blend T-Shirt Sizing YXS-4XL
8:30am Registration
9:00am Welcome/Program Overview
   Michael Newell, Wye Research and Education Center
9:10am Spotted Winged Drosophila (SWD)/fungal pathogen interactions and update on the Spotted lanternfly
   Maggie Lewis PhD student, Hamby Lab, UMD Department of Entomology.
9:40am UMD & USDA Focus on Strawberry Flavor
   Kim Lewers PhD, USDA-ARS, Research Geneticist
10:10am Break
10:20am Late-planting of day neutral strawberries using low tunnel and open bed regimes
   Naveen Kumar PhD, UMES, Assistant Professor of Horticulture and Extension Specialist
11:00am Why herbicides will sometimes fail
   Dave Myers, UME, Principal Agent, Anne Arundel County
11:30am 2018 Season surprises: Tree fruit soil-borne diseases for the grower radar
   Kari Peter PhD, Penn State University, Assistant Research Professor, Tree Fruit Pathology
12:00pm Lunch
1:00pm Optimizing tree fruit disease management strategies for a very wet season
   Kari Peter PhD, Penn State University, Assistant Research Professor, Tree Fruit Pathology
1:30pm Drivers of honey bee losses
   Dennis van Engelsdorp PhD, UMD Associate Professor, Department of Entomology
2:00pm Basics of strawberry disease management and late-season fruit rot in grapes
   Mengjun Hu PhD, Assistant Professor, Small Fruit Pathology, UMD PSLA
2:30pm Pesticide “Hot Topics” for 2019

Maryland Department of Agriculture Representative
3:00pm Adjourn
For registration, contact: Stephanie Jackson (sjacks@umd.edu) at (410) 827-8056

2019 Bay Area Fruit School
February 22, 2019
Registration Form

Register Online at:
https://2019fruitschool.eventbrite.com

Or register by mail using the below form:

Name(s):

Affiliation/Farm:

Address:

Phone:

E-Mail:

Please register by mail, phone, or email NO LATER THAN FEBRUARY 15, 2019.
Registration fee is $25.00 (includes coffee/donuts and lunch). Make check payable to the University of Maryland and mail to:

Attn: S. Jackson, WREC
P.O. Box 169
Queenstown, MD 21658
Maryland House and Garden Pilgrimage 2019

Save $10 by purchasing PRE-SALE TICKETS now!

The Maryland House and Garden Pilgrimage (MHGP) takes place in selected Maryland counties each year, an annual tradition since 1937. MHGP, a non-profit organization, is dedicated to the preservation and restoration of architecturally significant properties in the State of Maryland. It is the only statewide house and garden tour organization and the oldest tour in Maryland.

Queen Anne’s County Tour – May 4
...features 8 historic properties on Kent Island, in Queenstown, and in Centreville— including 17th and 18th century privately-owned properties and other historic venues.

Each ticket valid for any one 2019 MHGP tour.

Tours include:
Charles County . . . . . . . . . April 27
Queen Anne’s County . . . May 4
Baltimore City . . . . . . . May 11
Baltimore County . . . . . . May 18
Carroll County . . . . . . . . May 19

Regular Price $40
Pre-Sale Price $30

Contact Janice Clark, 610-299-7861, janiceclark@outlook.com; Diana Pietrowiak, 443-223-1699, seaglassgal24@gmail.com; or Dot Abbott, 410-758-2071, dorotheav@aol.com. Make checks payable to MHGP.

TOUR TICKETS MAKE GREAT GIFTS! BUY ONE FOR YOU & ONE FOR A FRIEND...CREATE WONDERFUL MEMORIES TOGETHER!

TOUR PROCEEDS BENEFIT HISTORIC RESTORATION PROJECTS IN QUEEN ANNE’S COUNTY
There are still plenty of ways to help—sign up here: http://signup.com/go/SyMwafK

To help with the Chestertown Seed Swap on February 23rd contact Sabine
Lighting Continued

vertical farms.
But very little research data are available to guide gardener decisions. This is further complicated by the many LED grow light fixtures and systems that are available at widely different prices—most without a track record! The good news is that light and fixture prices are coming down and there are a growing number of “out-of-the-box” options available online and in stores.

Tips:
- For fluorescent fixtures—replace T12 tubes with T8 or T5 tubes (the latter will require a new fixture as well).
- Gently wipe down any type of light tubes before using them this year to remove dust and grime.
- LEDs will save you a little on your electric bill but it’s unlikely that the transplants grown will be superior to those grown under fluorescent tubes. So don’t make the switch to LED tubes until your fluorescent tubes are spent.
- No need to buy special blue or red lights to grow transplants. Whether using fluorescent or LED lighting look for a lumens rating (light intensity) over 3,000 and a color temperature rating (brightness; Kelvin scale) of 5,000 to 6,500 (daylight).

More resources for starting seeds indoors

Time to think Spring!

Orders are still being taken for the spring 2019 planting season for shrubs and trees from the John S. Ayton State Tree Nursery, managed by the Maryland Department of Natural Resources.

Trees benefit the environment as well as enhance natural habitat for birds, squirrels and other wildlife. Almost all trees and shrubs available for sale are native, and many are also pollinator-friendly.

“Many of our customers are individual landowners who enjoy adding trees to their property for beauty and conservation purposes,” Maryland State Tree Nursery Manager Richard Garrett said. “The nursery seeks to provide exceptional customer service with high-quality seedlings at competitive prices.”

The nursery offers more than 50 conifer and deciduous species each year, from Loblolly Pine to River Birch, to meet a variety of aesthetic preferences and conservation needs. These shrubs and trees are ideal for buffer plantings, soil protection, watershed protection, wildlife habitat or windbreak protection.

A minimum order of 25 seedlings per species is required. Supplies are limited.
**Plant Sale—Save the Date**

We’re gearing up for our Annual Plant Sale. Mark your calendars for our next meeting on Thursday, February 7th at 11 am at the Extension Office. Our committee will review our plans for this year’s event. If you haven’t saved the date, mark your calendars now for our Annual Plant Sale on Saturday, May 11th.

Laura & Cathy will need all hands on deck to help during the winter/spring months to get ready for this event. There’s a lot to get done, if you’d like to help in the greenhouse [http://signup.com/go/FgdjfCg](http://signup.com/go/FgdjfCg) or sign up for the day of [http://signup.com/go/LpDQwwO](http://signup.com/go/LpDQwwO). You will also be able to sign up at our monthly meetings.

**Greenhouse Help**

Our work days for the greenhouse are as follows:

- Thursday, February 21st from 9-11AM
- Monday, March 4th from 9-11AM
- Monday, March 18th from 9-11AM
- Monday, April 1st from 9-11AM
- Wednesday, April 3rd from 9-11AM
- Monday, April 15th from 9-11AM

**Directions to the Greenhouse:** Take 213 North out of Centreville towards Chestertown. At Northbrook turn onto Spaniards Neck Rd. Take Spaniards Neck Road for 4.1 miles. Make a left onto Conquest Beach Road travel for about 2 miles. Go past the sign for Conquest Beach on your right. The greenhouse will be down on your left after the corn cribs.

If you’d like to help in the greenhouse use this link [http://signup.com/go/FgdjfCg](http://signup.com/go/FgdjfCg)
Plant Sale-Continued

Labeling Plants  Submitted by: MG Louise Shearer

Once you have decided what plants you will be donating to the plant sale, email the information to Rachel with the subject line: “plant labels.”

In the body of the email, please include following: Your name_________ the plant name __________/ quantity______

Other helpful information to include would be basic: for perennial plants -common name, botanical name, height/size, sun/shade for annuals: herb/flower/vegetable, name, color/height

Example of Plant Label

Common Name: Bronze fennel
Botanical Name: _Foeniculum vulgare_
Perennial
Size: 4-5’ spread to 12”
Sun: full sun
Soil: average
Bloom time: July-Aug
Color: Yellow
Native: No
Attracts: butterflies, host plant for swallowtail butterfly caterpillar

Green Elephant

Submitted by: MG Sue Goward

After the last month of finding joy in our stuff and giving away what doesn’t, please think about the Master Gardener Plant Sale. We need donations of garden related items for our Green Elephant Sale. If you have items to donate or questions about acceptable items contact Sue Goward, Green Elephant Chair Person. We were really successful last year, please help us do even better.
Vegetables

- Plant a late crop of basil, cilantro, and dill.
- Plant a last crop of snap beans the first week of August.
- Plant cool season crops, including spinach, lettuce, carrots, beets, broccoli, cauliflower, Chinese cabbage, turnips, kale and mustard. Keep seedlings moist and mulched.
- Order garlic, walking onions, and shallots for fall planting.
- Harvest leaves of herbs before they flower. Pick individually and dry indoors, or hang the stems in a dry, semi-shady room. Store dry leaves in air-tight jars. Fresh basil leaves freeze well in plastic bags that can be sealed.
- Keep weeding and watering.

Lawn

- In dry periods grasses go dormant but recover when rain returns. Newly seeded or sodded lawns may actually be dead and will need to be reseeded.
- Mid-August through mid-October is the best time to start new lawns and renovate or overseed existing lawns. We recommend a turf-type tall fescue cultivar at a rate of 4 lbs. of seed per 1,000 sq. ft. of area for overseeding, or 8 lbs. per 1000 sq. ft. for new lawns.

Volunteer Opportunities

Nature Club in Chestertown

Jennie Lee (Soil Conservation), Beth Hill (4-H) and Sabine are running a Nature Club for 3rd-5th graders. Most students come from Garnett. The club meets every 1st and 3rd Monday of the month at the yellow building (Library in Chestertown), from 4 until about 5:15pm.

Please contact Sabine Harvey if you would like to help out on sharvey1@umd.edu or 410-778-1661.

Garden Program at Kent County Middle School

Just like last year, we will be providing a program at Kent County Middle Schools on a number of Thursday mornings. We did this last year as well and it was pretty successful. The main idea is that we work in the garden, try to grow food and prepare/cook food as well. We will have about 20 students from grades 6-8. We meet every three weeks.

Time: 7:30-9:00am!!!!
We will have the same group of students from September-January and a new group from Feb-May.

Last year the students made a salad, sweet potato pancakes and tortillas from scratch; we dissected flowers and started seeds indoors; we made insect hotels and did a lot of work in the garden.

The dates are as follows:
Spring: 2/7, 2/28, 3/21, 4/11, 5/2, 5/23

Please contact Sabine Harvey if you would be interested in helping out with one or more of these sessions. sharvey1@umd.edu, 410-778-1661

Newsletter

Do you have a knack for writing? Submitting an article to the newsletter is a great way to earn a few hours during the winter months. To submit an article email Rachel and Sabine

Horticulture Lecture Series

March 8: Amphibians and Reptiles in the garden, Dr. Heather Cunningham, Associate Professor of Biology, Chesapeake College

March 15: Splendor in the Grass: the Chesapeake Bay's Native Aquatic Grasses, Kate Livie, Chesapeake writer

March 22: Delaware Botanic Garden, Ruth Rogers Clausen, published author and garden writer

March 29: The Mushroom Chronicles --- Fungi and why plants need them, William Needham, President of the Mycological Association of Washington, DC

All talks take place at the Kent County Library
408 High Street, Chestertown
Fridays, 10-11:30am
Continuing Education

Pre-recorded Webinars:
- Water University: Science Based Homeowner Education [https://learn.extension.org/events/3514](https://learn.extension.org/events/3514)
- Powdery mildew: Biology & Management in the Garden [https://learn.extension.org/events/3290](https://learn.extension.org/events/3290)
- Hybridization and Tetraploids and Chromosomes, Oh My! Understanding Plant Breeding for Disease Resistance [https://learn.extension.org/events/3287](https://learn.extension.org/events/3287)
- Avoiding and Remedying Abiotic Injury of Trees [https://learn.extension.org/events/3033](https://learn.extension.org/events/3033)
- Soil Compaction and Urban Trees: Strategies for Gaining Ground [https://learn.extension.org/events/2811](https://learn.extension.org/events/2811)

Mt. Cuba Center Lecture Series Our 2019 Lecture Series explores native plants and how landscapes can work for both humans and the environment. Discover the essential roles insects play in our ecosystems and simple ways to include them in your gardens, learn how landscape designs now mimic nature by protecting the quality of local water systems, and see how modern technology is helping to restore and conserve more than 200 species of endangered native orchids. Light refreshments will be served.
For a complete listing of classes at Mt. Cuba visit: [https://education.mtcubacenter.org/wconnect/ShowSchedule.awp?&Mode=GROUP&Group=:FULL&Title=Complete+Listing](https://education.mtcubacenter.org/wconnect/ShowSchedule.awp?&Mode=GROUP&Group=:FULL&Title=Complete+Listing)

Green Matters Symposium—Garden by Design: Creative Approaches to Diverse Landscapes
Friday, February 22, 2019 8:00 a.m. to 4:00 p.m. Silver Spring Civic Building Registration Information Standard Fee: $99 person after January 12, 2019 Register at [ActiveMONTGOMERY.org](http://ActiveMONTGOMERY.org) (Course #55276) or call 301-962-1451. *Registration includes light breakfast, coffee/tea, and box lunch

EDU Series at Galilee Garden

Join the QAC MG’s at Galilee Garden at Harbor View on the first Thursday of the month to learn about:

- Starting Seeds-February 7th at 7 PM
- Composting-March 7th at 7 PM
- Container Gardening-April 4th at 7 PM

All classes are free and open to the public

Galilee Garden at Harbor View

1934 Harbor Drive
Chester, Maryland
21619
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<td>Plant Sale Meeting 11 AM at Centreville Extension Office</td>
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<td>Kent Island Plant Clinic 3:30-6:30 P.M.</td>
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<td>Office Closed</td>
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<td>Master Gardener Meeting 9:30-11:30 A.M</td>
<td>Greenhouse for plant sale 9AM</td>
<td>Food Summit</td>
<td>Master Gardener Training 9-noon Seed Swap</td>
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<td>Master Gardener Training 5:30-8:30 P.M.</td>
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<td>Newsletter Submissions Due</td>
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March 2019

Sun | Mon | Tue | Wed | Thu | Fri | Sat
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3  | 4   | 5   | 6   | 7   | 8   | 1
   |     |     |     |     |     | 2 Master Gardener Training 9-noon
10 | 11  | 12  | 13  | 14  | 15  | 9 Master Gardener Training 9-noon
17 | 18  | 19  | 20  | 21  | 22  | 16 Master Gardener Training 9-noon
   |     |     | Bay-Wise Meeting at Centreville Extension Office 1:30PM | Master Gardener Meeting 9:30-11:30 A.M | Master Gardener Training 5:30-8:30 P.M. | Seed Swap Kent Island 10-noon
24 | 25  | 26  | 27  | 28  | 29  | 23 Master Gardener Training 9-noon
31 |     |     |     | 28 Master Gardener Training 5:30-8:30 P.M. |     | 30 Master Gardener Training 9-noon

Newsletter Submissions Due
February Newsletter Submission due on February 23rd

University of Maryland Extension
505 Railroad Avenue, Suite 4
Centreville MD, 21617
Phone: (410) 758-0166

QACMG Website: http://extension.umd.edu/queen-annes-county/master-gardener-home-gardening
QACMG Facebook Page: https://www.facebook.com/QueenAnnesCountyMasterGardeners

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University of Maryland Extension
Queen Anne’s County
505 Railroad Ave.
Suite 4
Centreville, MD 21617

Vision Statement: A healthier world through environmental stewardship