

**2018  
Calendar**

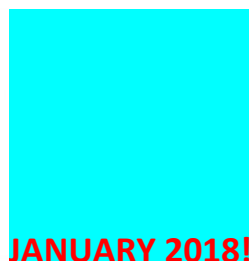
1/06 "Ask A Master Gardener", Lakelands Ace Hardware, 2572 Hwy 72, 8:30-12:30 volunteers needed.

1/11 "Don't Get Caught with your Plants Down", LMG six spkr panel, Gwd Cnty Library, 6:30, Membership mtng 6:00.

1/17 UGA/Athens Botanic Garden Native Plant Symp. 8:45-3:30, Terrace Room, \$65 w/lunch, [www.botgardenn.uga.edu](http://www.botgardenn.uga.edu)

2/8 LMG Annual Awards Banquet. Greenwood Metro. 6:30 110 Metro Dr.

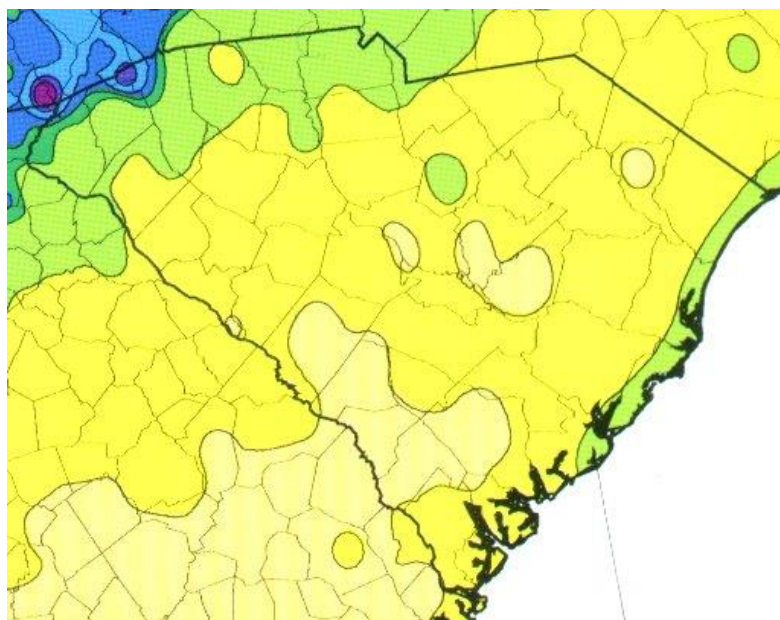
2/10 Greenville MG Seminar: Fergus Garrett and Thomas Ranier spkrs.



**USDA PLANT HARDINESS ZONES EXPLAINED**

Every gardener knows that you can check the USDA Plant Hardiness Zone map to see if a plant will survive your winters. What about the heat of summer? Dr. Marc Cathey, American Horticultural Society President Emeritus, assigned heat zone codes to thousands of plants for use in nursery catalogs, books and in the AHS magazine, *The American Gardener*, starting in 1977. Since Cathey's passing, the AHS has taken over coding.

The hardiness map is useful in helping to determine which plants will over winter in your area. It was first published in 1960 and updated in 1990 and 2012. But as we all know cold isn't the only factor determining a plant's survival.



AHS Plant Heat zone Map for South Carolina

Zone 6 –Green – 46 – 60 days > 86 degrees

Zone 7 - Light Green – 61 – 90 days > 86 degrees

Zone 8 – Yellow – 91 – 120 days > 86 degrees

Zone 9 – Tan – 121 – 150 days > 86 degrees

The Heat-Zone map works just like the hardiness map. First, you find your city on the map. The map has county outlines that will help you do this. The 12 zones on the map indicate the average number of days each year that a given region experiences temperatures over 86 degrees (30 degrees Celsius). That is the point where plants begin to experience heat damage. For the Lakeland's that's June, July, August in a normal year.

The effects of heat are not as noticeable as cold. Heat damage may appear different on

various plants: flower buds may wither, leaves may droop become pale or brown inviting insect infestations. Roots stop growing. Plants that survive heat damage are stunted and slow to recover.

Because Heat Zone ratings are relatively new, not all catalogs, web sites and garden centers currently indicate a plant's Heat Zone. But more and more, you will begin to see two ratings for a given plant, such as 5-10. 11-1. The first pair of numbers is the cold Hardiness Zone. This plant will survive winter temperatures in zones 5 to 10. The second pair of numbers is the Heat Zone. 11-1 indicates that the plant is heat tolerant in zones 11 through 1.

You can find the above map at [www.plantmaps.com/interactive-south-carolina-heat-zones-map.php](http://www.plantmaps.com/interactive-south-carolina-heat-zones-map.php)

This site also has maps with first and last frost dates; record high and low temps for each county in SC. There is also an interactive drought monitor map for each county in SC. – Jimmy McInville



**CLEMSON UNIVERSITY**  
**MASTER GARDENER**  
**SOUTH CAROLINA**

**Ask a Master Gardener**  
The more you know, the more you grow!

Come by with your Gardening Questions

**Saturday- JAN 6<sup>th</sup>**  
8:30 am - 12:30 pm

**Bring a soil sample (Testing \$6)**

**Get Ready for Spring planting!**

**Lakelands ACE Hardware**  
**2572 Hwy 72/ 221 E - Greenwood, SC**



JANUARY  
**11**

SOUTH CAROLINA  
**Master  
Gardener**  
A CLEMSON EXTENSION PROGRAM



**DON'T GET CAUGHT WITH  
YOUR PLANTS DOWN!**

You won't want to  
miss this Panel of  
Knowledge!

**Greenwood County Library-600 Main St.  
Thursday 1/11/18 @ 6:30 pm\***

**The Panel:**

James Hodges, Clemson Extension Agent  
5 mistakes gardeners often make

Rusty Wilson, Master Naturalist and Bird Enthusiast  
5 Must do's to provide for our birds year round

Ann Barklow, City Horticulturist and Bee City USA liaison  
5 important aspects of Pest Management to keep pollinators safe

Sarah Bradley, City Horticulturist and Co-designer Gazebo Pollinator Garden  
What is a pollinator and 5 Important steps in creating a Pollinator Garden

Sandy Orr, Master Gardener and Floral Designer  
5 important strategies for the best soil

Ginger Long, Park Seed  
The latest in 2018 seeds



We need you and  
you need us.

\*Membership meeting: 6:00 pm

## LUNCH AND LEARN GREAT GARDEN KNOW-HOW:

Tap into the extensive knowledge of Clemson's Extension Service in this lunch and learn series. Bring a bag lunch and listen to Clemson horticultural experts at Clemson.

**February 7 Mark Arena *Landscape Crimes: Unveiling 7 Common Urban Landscape Myths***

**February 21 Michelle Hall *Building a Small Poultry Flock***

**March 7 Paul Thompson *Correcting Structural Issues Early in a Tree's Life: A Demonstration.***

**March 21 Barbara Smith *How to Plant a Succulent Container Garden.***

**April 4 Andrew "Drew" Jeffers *Integrated Pest Management for the home garden.***

**April 18 Jackie Jordan *Working with warm season grasses.***

**May 2 Vicky Bertagnolli *Putting out the fire! Fire ant biology and management***

**May 16 Patricia Scharko *Small backyard ruminants.***

**June 6 LayLa Burgess and Adair Hoover *Growing and using herbs***

***Location: Hayden Conference Center Cost: \$7 per session (10% discount for members)Time: noon – 1 p..m.***

### ***Special Workshop***

**March 6, 13, 20 Mark Arena *The art and science of proper pruning. This three part series will cover both the science and practical application of pruning. Participants will conduct hands on pruning all will be required to bring their pruners in order to participate. Location: Hayden Conference Center Cost: \$30 (10% discount members)Time: 10 a.m. – 11 a.m.***

## INDOOR POLLUTION REDUCING PLANTS n Jimmy McInville

In this age of energy efficient houses and buildings sealed against the elements, we are protected from the weather, able to create our own environment, free to enjoy the seasons from our sealed windows. But are we really safe in these airtight boxes? The air we breathe is recycled, filtered, and heated by machines. How often do we open windows and doors to let fresh air in? Our grandparents did it weekly. They opened the house up to let nature blow the freshness in. It's scary to think how many pollutants inhabit indoor spaces. Printers, rug pads and carpeting, insulation, veneer furniture, pressed wood and detergents all give off chemicals, such as xylene, benzene, trichloroethylene, ammonia, and formaldehyde.

The great news is we don't have to live with these toxic agents. They can be reduced by growing plants indoors. The original indoor detoxification research on plants was begun by NASA when designing the space shuttle. In 1989, researchers found that just a single spider plant in a chamber filled with formaldehyde removed 85% of the pollutant in a day. As few as 15 plants can significantly reduce the pollutants in an average household. The study suggests

using one potted plant per 100 square feet of floor space. An unfortunate side effect of some of these plants is that they are poisonous if ingested by animals or small humans. Please check this online before adding any of these plants to your home. (Sandy couldn't format table to fit final column indicating any poisonous effects).

Below is a chart of air-filtering plants compiled from the research done in 1984 by NASA and more recently in 2010 at Colorado State University.

<b>Plant, removes:</b>	<b>Benzene</b>	<b>formaldehyd e</b>	<b>Trichloroet hylene</b>	<b>Xylene</b>	<b>tolulene</b>
<i>Dwarf date palm</i> (Phoenix roebelenii)	No	Yes	No	Yes	Yes
<i>Areca Palm</i> (Dypsis lutescens)	No	Yes	No	Yes	Yes
<i>Boston fern</i> (Nephrolepis exaltata Bostoniensis')	No	Yes	No	Yes	Yes
<i>Kimberly queen fern</i> (Nephrolepis oblitterata)	No	Yes	No	Yes	Yes
<i>English Ivy</i> (Hedera helix)	Yes	Yes	Yes	Yes	Yes
<i>Spider plant</i> (Chlorophytum comosum)	No	Yes	No	Yes	Yes
<i>Devil's Ivy, Pothos plant</i> (Epipremnum aureum)	Yes	Yes	No	Yes	Yes
<i>Peace lily</i> (Spathiphyllum Mauna Loa')	Yes	Yes	Yes	Yes	Yes
<i>Flamingo lily</i> (Anthurium andraeanum)	No	Yes	No	Yes	Yes
<i>Chinese evergreen</i> (Aglaonema modestum)	Yes	Yes	No	No	No
<i>Bamboo palm</i> (Chamaedorea seifrizii)	Yes	Yes	Yes	Yes	Yes
<i>Variegated snake plant, mother-in-law's tongue</i> (Sansevieria trifasciata 'Laurentii')	Yes	Yes	Yes	Yes	Yes
<i>Heartleaf philodendron</i> (Philodendron cordatum)	No	Yes	No	No	No
<i>Selloum philodendron</i> (Philodendron bipinnatifidum)	No	Yes	No	No	No
<i>Elephant ear philodendron</i> (Philodendron domesticum)	No	Yes	No	No	No
<i>Red-edged dracaena</i>	Yes	Yes	Yes	Yes	Yes

( <i>Dracaena marginata</i> )					
<i>Cornstalk dracaena</i> ( <i>Dracaena fragrans</i> <i>Massangeana</i> )	Yes	Yes	Yes	Yes	No
<i>Weeping fig</i> ( <i>Ficus benjamina</i> )	No	Yes	No	Yes	Yes
<i>Barberton daisy</i> ( <i>Gerbera jamesonii</i> )	Yes	Yes	Yes	no	no
<i>Florist's chrysanthemum</i> ( <i>Chrysanthemum</i> <i>morifolium</i> )	Yes	Yes	Yes	yes	yes
<i>Rubber plant</i> ( <i>Ficus elastica</i> )	No	Yes	No	No	No
<i>Dendrobium orchids</i> ( <i>Dendrobium</i> spp.)	No	No	No	Yes	Yes
<i>Dumb canes</i> ( <i>Dieffenbachia</i> spp.)	No	No	No	Yes	Yes
<i>King of Hearts</i> ( <i>Homalomena wallisii</i> )	No	No	No	Yes	Yes
<i>Moth orchids</i> ( <i>Phalaenopsis</i> spp.)	No	No	No	Yes	Yes
<i>Aloe vera</i>	Yes	Yes	No	No	No
<i>Janet Craig</i> ( <i>Dracaena deremensis</i> "Janet Craig")	Yes	Yes	Yes	No	No
<i>Warneckeii</i> ( <i>Dracaena deremensis</i> "Warneckeii")	Yes	Yes	Yes	No	No
<i>Banana</i> ( <i>Musa Oriana</i> )	No	Yes	No	No	No

LAKELANDS MASTER GARDENERS  
RECOGNITION AND AWARDS BANQUET

THURSDAY, FEBRUARY 8, 2018  
6:30 P.M.  
GREENWOOD METROPOLITAN DISTRICT  
110 METRO DRIVE

Please join us as we vote in new members of the LMG Board and celebrate the newest graduates and the 2017 Master Gardener of the Year!

Drinks will be provided. Please bring a main course, casserole, side dish, finger food or dessert.

PLEASE RSVP YOUR ATTENDANCE AND YOUR DISH SELECTION BY

FRIDAY, FEBRUARY 2, 2018  
TO

CANDACE WHITE

[cinman50@bellsouth.net](mailto:cinman50@bellsouth.net)

864-538-4480 (H) Or 864-915-3868 (Cell)



**WINTER SOWING TIP:** If you have mistakenly sown too early and your crowded seedlings have emerged already in the milk jug, what should you do? Try winter sowing founder's idea of loosening "Hunk O Seedlings" from the container, and transplanting them into small pots until

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they can be planted out in the ground when it is warmer. I'm putting my seedling chunk pots in my cold frame to give them a bit of cold protection. I may later thin the small pots by cutting some seedlings to the ground with a fingernail scissors. Hopefully, others will have the patience to wait until next week to start their winter sown milk jugs.





## Lakeland Master Gardener Association Membership Renewal

Master Gardener Membership Dues are \$20.00.

Payment is due by the Awards Banquet to be eligible to vote.

Make your check payable to Lakelands Master Gardener Organization (LMGO) and mail to:

Melody McInville  
345 Klugh Rd.  
Abbeville, SC 29620

New Member  Renewal/Transfer

Name: \_\_\_\_\_ Spouse: \_\_\_\_\_

Address: \_\_\_\_\_ City/State/Zip: \_\_\_\_\_

Phone # Home: \_\_\_\_\_ Work: \_\_\_\_\_ Cell: \_\_\_\_\_

Email Address: \_\_\_\_\_

Year Graduated MG Program: \_\_\_\_\_  
Transfer: (Y/N) \_\_\_\_\_ From: \_\_\_\_\_

Check here if you do not wish to be listed in the directory.

Clemson Extension Office _____	Facebook Page _____	Public Relations _____
Community Garden _____	Membership _____	Social Activities _____
Community Projects _____	Newsletter _____	Topiary/Greenhouse _____
Community Voucher Distribution _____	Plant Sale _____	Web Site _____
Education _____	Programs & Speakers _____	

Suggested topics/activities for the meetings or continuing education: \_\_\_\_\_

\*\*\*\*\* Please do not write below this line\*\*\*\*\*

Date Paid \_\_\_\_\_  
Date Membership List Updated \_\_\_\_\_

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## Lakelands Master Gardener Board/Committee Chairs

### *Executive Committee*

President: Jimmy McInville

Co Vice Presidents: Donna and Wally Sears

Treasurer: Melody McInville

Secretary: Chris Moon

Past President: Barbara Wells

### *General Board Members*

Community Projects: Sherry Edwards

Education: Linda Halsey and Wally Sears

Membership: Donna Feldmaier

Plant Sale/Fund Raising: Annie Keith and Julee Marshall

Public Relations: Jan Coffey

Website: Chuck Bender

### *Non-voting Board Members*

Clemson Advisor: James Hodges

Email Blasts: Ann Barklow

Facebook: Marla Starling and Mary Jane Vivas

Newsletter: Sandy Orr

Office:

Social: Bonnie Rothwell and Candace White

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