



LOUISIANA Nursery & Landscape NEWS

LNLA Quarterly Newsletter 2012 Vol. 38

April / May / June 2012

GREEN INDUSTRY ASSOCIATIONS OPEN HOUSE HAMMOND RESEARCH STATION MAY 12, 2012



Dr. Regina Bracy provided the welcome from the Margie Jenkins Azalea Garden gazebo.



Attendees have time to visit before tours begin.



Rick Webb, of Louisiana Growers, lead a native plant walk.



David Norris of Norris Nursery visits with Dr. Nick Singh of the Plant Diagnostic Clinic

The LSU AgCenter's Hammond Research Station hosted a nursery and landscape industries association day on Saturday, May 12. This was an opportunity for members of the La. Nursery and Landscape Association, Baton Rouge Landscape Association, La. Irrigation Association, New Orleans Horticulture Society and SE LA Nursery Association to visit with each other and exchange information. Rick Webb, owner of Louisiana Growers in Amite, gave a native plant walk. AgCenter horticulturist Allen Owings provided a tour of the sun garden. Buddy Lee of Transcend Nursery in Independence and Margie Jenkins of Jenkins Farm and Nursery in Amite discussed azaleas. AgCenter research associate Joey Quebedeaux prepared a jambalaya lunch for everyone.

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In the News

IN MEMORIAM

The LNLA Association extends condolences to the following green industry families:

Dr. Edward C. "Buck" Bateman passed away at age 85, on Sunday, May 13, 2012 at his home in Hammond. He was born December 3, 1926 in Franklinton, LA.

Dr. Bateman was preceded in death by his wife, Nell Gates Bateman and their son, John David Bateman.

He is survived by his children: daughter and son-in-law, Charlotte & husband Bill Smith; son and daughter-in-law, Charles E. "Chuck" Bateman & wife Sandra; daughter and son-in-law, Frances & husband Charles Piazza; grandchildren, Amy Ezell and husband Ty, Jessica Smith and husband Bobby, Michael Piazza and wife Liana, Ashley Rochon, and Brandi Ford; 7 great-grandchildren, and 1 great-great grandchild.

Dr. Bateman was a horticulture professor at Southeastern Louisiana University for 35 years and honorary member of LNLA. He also served in the United States Navy and was a member of Immanuel Baptist Church.

The family requests donations be made to North Oaks Hospice, P.O. Box 2668, Hammond, LA 70404.

NEWS, VIEWS & THANK YOU'S



May 18, 2012

Dear Annie,

On behalf of 4-H'ers throughout Louisiana, I would like to express my sincere appreciation for your generous investment towards the Louisiana 4-H program. Your contribution of \$500 on 5/18/12 has been deposited into the 4-H Educational Trip Fund at the LSU Foundation. The LSU Foundation will be sending you an official receipt for tax purposes.

Louisiana is one of only a few states that reward 4-H'ers with all expense-paid educational trips for excellence in contests or project work. Your investment today helps support such trips as the 4-H Club Congress Trip, National Livestock Judging Trip, San Antonio Educational Trip and many more. These trips, as you know, are important in enhancing the individual experience 4-H provides each youth.

If you ever have questions about our fundraising efforts, please do not hesitate to contact me at eaeskew@agcenter.lsu.edu or 225-578-1172. Again, thank you for your generosity and support of the Louisiana 4-H program. Your investment is helping 4-H'ers "Make the Best Better."

Sincerely,

Eric A. Eskew, Executive Director, LA 4-H Foundation
Chairman, Louisiana FFA Foundation

May 2, 2012

Dear Ms. Coco,

Greetings from the Louisiana Association of FFA! We would like to thank you for your generous support of Louisiana FFA Events in 2011-2012. Please know that it is greatly appreciated. In 2012 you contributed \$750.00 to the Foundation Proficiency Award Fund (for Nursery/Landscape). It is through generosity such as yours that we are able to continue to develop and improve programs for middle and high school students. This helps to develop such important life skills as communication, teamwork and leadership, as well as a deeper knowledge of the agriculture industry and its importance in everyday life. We are working every day to ensure that Louisiana has an educated workforce and great leadership into the future.

We would like to recognize you as one of our sponsors during the 2012 State FFA Convention at the Riverfront Center in Alexandria, Louisiana. The sponsors will be recognized on Thursday, June 7 at the 3:30 PM Session. We ask that you or a representative be available to receive special recognition on stage. There will also be a VIP Reception prior to this session at 11 AM in the Pre-function area of the Riverfront Center.

If you have any questions, feel free to contact me. We hope to see you at the convention. Once again, thank you for your continued support of agriculture education.

Sincerely,

Mike Roy, Chairman, Louisiana FFA Foundation

A Word from our President

Another spring has come, and gone in a flash, and now we hit the summer heat. A lot of discussion lately has been about how mild the winters have been and how early spring begins. It seems that everything has moved up a month; this includes summer as well. I know that we all hope for an early spring so that we have a longer selling season, but this year was extreme. We had the early spring. The problem was we never had a winter.

It seems all through out the 1-10 corridors, that most are having a down year. In my opinion, this should not be blamed on the economy, but just the simple fact that we had no winter. Color drives sales at the retail level and when lantana becomes an evergreen, we are going to feel it at the register. So I am wishing for a normal winter next year, starting now.

As for LNLA, we are happy to announce that Annie Coco has been hired to be our Executive Secretary. Annie comes with years of experience in our industry, as well as serving as Executive Secretary for South East Louisiana Nursery Association. We are happy to have her and look forward to working with her. Congratulations Annie!

And finally, by the time you read this we will have had our 3rd LNLFSR GALA. I want to thank Allen Owings for all of his work in this event, as well as the members of the Gala Committee who have put in hours of preparation to make the event one to remember. I want to specially thank all of the sponsors and donors. It would not have been a success without you.

I hope that everyone has a happy and relaxing summer.

Sincerely,

Todd Ellefson
President



Annual Meeting Minutes (Continued from page 26)

Distinguished Service Award 2012 – Craig Roussel – presented by Pat Newman

James A. Foret Award 2012 – Richard Odom – presented by Renee Vanlangendonck

Appreciation Awards – Nick Simoneaux, Walter Imahara, & Severn Doughty, Sr. – presented by Annie Coco

Board Member Recognition

Todd Ellefson recognized 2011 Board members and thanked them for their service.

Closing Comments/Adjourn

Todd Ellefson reminded everyone to sign the sheets on their tables; there being no further business, Rick Webb motioned to adjourn; second by Gerald Foret; meeting was adjourned at 9:00AM.



THE WEED DOCTOR'S CORNER

The Weed Doctor's Corner was written by Dr. Ron Strahan, Assistant Professor in Weed Science, LSU AgCenter, (P) 225-578-2392, (E) rstrahan@agcenter.lsu.edu. Updated versions of the LSU AgCenter's useful guides to controlling weeds, insect pests and plant diseases are available. Free downloads of the guides are available from the LSU AgCenter's Web site www.lsuagcenter.com. Follow the Weed Doctor, Ron Strahan on Facebook and Twitter (@lstrurf).

Virginia Buttonweed... Return of the King



Virginia Buttonweed capsules

We are way ahead of schedule on the appearance of buttonweed and it came back a month early with vengeance with our very warm March. The perennial weed started breaking dormancy this year at end of February and slowly began retaking its rightful throne as the king weed of southern lawns. The first plants to emerge this year were the perennial plants from last year. These plants produced a tremendous number of seeds before they went dormant after our first good frost in December of 2011. Every year is a rough year for buttonweed but this year could be really nasty given that the plant has a one month head start on growth with our "summer in March and April" temps.

As temperatures warm in late spring and early summer, Virginia buttonweed seeds germinate and seedling plants are common near the perennial "mother plants". This combination of seedling and perennial plants form mats by July. It is not unusual in late summer to see weaker areas of turf choked out with mats of buttonweed covered with small white blooms. With last year's drought, record chinch bug problems and weak lawns, this should be a record year for buttonweed problems. I get at least a call or an e-mail a day concerning this weed during the summer months.



Virginia Buttonweed seedlings

Very invasive -Virginia buttonweed is widely considered the most invasive weed infesting turfgrasses in the south. The plant is very prolific and has multiple ways to reproduce including heavy seed production that occurs both above and below the ground from self pollinating flowers, rooting stem fragments, and a tap root that allows plants to survive through winter months. Mowers set at even the lowest blade height do not interfere with growth or seed production of this plant. Due to the potential for stem fragments to root, mowing may actually aid in the spread of buttonweed. Turning the mower deck discharge toward landscape beds even starts populations of buttonweed in flowerbeds.

Virginia Buttonweed Control?

Normally, I tell professionals that May is good time to start treating buttonweed in spot treatments. This year, you better have gotten started in April. Early in the growing season, buttonweed is tender with a lot of fresh new growth and very susceptible to herbicide uptake. Additionally, you will reduce the population significantly since seedling buttonweed is germinating and easily killed at this spring timing. The worst thing to do is to wait until late July and August to make the first herbicide application.

As for which herbicides to pick, the following table is a list of herbicides that have shown some activity in our research when applied in multiple applications. Please don't think that you can get rid of the weed with a single application. It may take you 3 to 4 applications and combinations of different herbicides to get buttonweed under control.

Program Approach Works Best

As mentioned earlier, no single application takes out buttonweed. A program approach works best when trying to get an acceptable level of control. In my research trials, I have always liked an application of Speed Zone (see table) in early May (this year it was April) followed by metsulfuron (sold under several trade names such as



Virginia Buttonweed thriving in a crack

(Continued on page 20)



LSU AgCenter Ornamental Update 2012 California Spring Trial Highlights

The 2012 California Spring Trials tour, which I attended, was held in March. I emailed a detailed 22 page report from each stop at the spring trials in April. For those of you that did not receive and desire this information, please send me a request via email and it will be forwarded to you. Here are some "plants that made an impact" or "possible plants that you need to know and grow" from the 2012 California Spring Trials.

Blue My Mind *Evovulus* (Blue Daze)

We have grown Blue Daze for years with no improved cultivars. Blue My Mind is the new cultivar of blue daze being introduced by Proven Winners. It is compact with 50% larger flowers than common blue daze. Low fertility requirement during production. Darker blue flower color. This was a very neat looking plant and has great potential in the Gulf States. Cold hardiness at this time for this cultivar is not known.

Cool Wave and Other Trailing Series of Pansies

PanAmerican Seed is introducing the Cool Wave pansies for the fall 2012 season. This involved 10 years of breeding efforts. They have "twice the spread" and "double the color." This is new plant architecture form for a pansy. Plants spread in containers and fall in baskets. Plants grow flat. Flowering is neutral. Cool Wave pansies have the flower numbers found in violas, the weather tolerance of violas and an ideal medium flower size. Flower color ranges will continue to expand with new colors coming in 2014 and 2015. Cool Waves are available in 105 and 128 cells. Larger plugs lead to earlier branching in the plug stage. You can also "hold" them in the plug longer, if needed. Grow in 4-inch, 6-inch or baskets. Use three plugs per 10" basket. In larger containers, need to increase fertilization over typical pansy fertilizer standards. There will be a Southern Living ad for Cool Wave pansies in the September 2012 issue. Production availability started May 1. These pansies have larger flowers than the previously introduced Plentifalls. There will be free point-of-purchase material including hang tags in year one.

Freefall pansies were introduced by Floranova in 2012 with a new color, Freefall Cream, for 2013.

The third series of trailing pansies from the 2012 Spring Trials is from Syngenta Flowers. The Wonderfall series is available in five colors. Wonderfalls are being advertised as the largest flowers in any of the trailing pansy series. They will work well for growing in quarts and hanging baskets. Plant three plants per 10-inch basket. You can finish a 10-inch basket from seed in 10-12 weeks. More colors in Wonderfall will be available in 2013 and 2014.


New Additions to Lobularia

Proven Winners has new lobularias to join Snow Princess. These are Blushing Princess and Frosty Knight. Blushing Princess lobularia colors better with cooler nights. It is 70% the growth vigor of Snow Princess. The Frosty Knight lobularia has 50% the growth vigor of Snow Princess and has variegated foliage. Frosty Knight is a sport of Snow Princess. Fertility requirements for these lobularias are the same as for Snow Princess.

Angelonias

New Serenita angelonias from PanAmerican Seed are being introduced for 2013. They will be available in white, raspberry, lavender, pink, and purple. These are 4-6 inches shorter than the Serena series varieties and have slightly larger flow-

(Continued on page 21)





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LNLA extends a warm WELCOME to the following NEW Members...

- Deep South LandscapeTerence Power
- Delgado Community CollegePaulette Watson
- Guidroz Horticulture Services.....Huey Guidroz, Jr.
- Nature's Own LandscapeScott Sambola
- RKE Landscaping.....Rebecca Elliott
- Rice Landscape Design.....Richard Rice

NOTES FROM THE SECRETARY

Hi to LNLA Members,

As I write this, I am still serving as Interim Executive Secretary of LNLA, but by the time you get this newsletter, there should be a person selected to serve indefinitely. Thanks from LNLA to all who applied for the position.

Also by the time you get this newsletter, the Louisiana Nursery & Landscape Foundation for Scholarship & Research will have held its third annual Gala, on Friday, June 22, 2012, at the LSU Stadium Club in Baton Rouge to raise funds for scholarships and research. If you didn't attend, you missed an enjoyable evening in a beautiful setting overlooking the LSU football stadium to one side and the Mississippi River to the other. Thanks to all who did attend and support the Foundation through the live and silent auctions. Through your generosity, the Foundation will continue to offer scholarships and research funding that will help the nursery & landscape industry. Although you may have missed the Gala, you may make a donation to the Foundation at any time. Let me know if you wish to do that, and I will send you information.

The next Certified Nursery & Landscape Professional (CNLP) Review & Exam for 2012 will be held on August 2-3, at the ULL Ira Nelson Horticulture Center in Lafayette, La. This will be the last CNLP training offered for this year. Dates will be set for 2013 by the time of the next newsletter. Email me at acoco@agcenter.lsu.edu to have a registration form sent to you, if you are interested. This training course originated as a continuing education opportunity for those in the nursery and landscape industry to refresh and/or increase their knowledge of horticulture and the industry. However, because the same manual that is used for this certification is also the one recommended by LDAF for preparation for some of the horticulture licenses in Louisiana, it also serves as an excellent short course for those who wish to become licensed. I thank and commend Dan Gill for his time and effort in conducting this training for LNLA.

Don't hesitate to contact me at acoco@agcenter.lsu.edu or 985-789-4301 if I can be of assistance to you, or if you have suggestions or requests for LNLA. This is your association and I welcome input from you.

Later,


Annie Coco
 Executive Secretary
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 Email acoco@agcenter.lsu.edu




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REGIONAL REPORT FROM GREEN INDUSTRY ASSOCIATIONS

► BATON ROUGE LANDSCAPE ASSOCIATION

The spring meeting of the Baton Rouge Landscape Association was held on Wednesday, March 28th, at Chelsea's Café in Baton Rouge. Dr. Ed Bush, our invited guest speaker, discussed plant nutrition and management of plant growth. He addressed the importance of soil and water pH, and encouraged taking soil samples every three to four years. Soil sample kits were provided to everyone present. The meeting was sponsored by Kurt Ducote of Ducote Tree Farms and Zefferino Vonkurnatowski of Biggz Professional Tree Services.

Pete Newton presented the LNLA Professional Achievement Award to Jimmy Culpepper, who was unable to attend the annual LNLA meeting in Mobile, AL.

Please email Elena Fennell (ecfennell@cox.net) for the 2012 membership form or for more information on BRLA and upcoming meetings. Your support is greatly appreciated!

► Louisiana Irrigation Association:

Since we've had so much hot, dry weather, most of the Landscape Irrigation Contractors I've spoken with tell me that business is great; even the dealers are extremely busy.

LIA has had a good year as well. We now have 104 members and that is the most we have ever had this early in the calendar year. I expect we'll have more memberships in October as we conduct our Annual Meeting and Recertification Training – date TBA.

So far, this year, we have had a one day recertification training held on January 24th where we recertified 30 licensed Landscape Irrigation Contractors and two, two day Irrigation Basics for Landscape Irrigation Contractors Classes (Basics Class) held on March 14, 15, and June 6, 7, 2012. Including both Basics Classes dates we recertified about 27 licensed Landscape Irrigation Contractors (they attended only the first day) and helped train 40 other non-licensed persons to prepare them to take the LDAF Landscape Irrigation Contractors License Exam, held on the second day. Normally, out of everyone who takes the two day Basics Class and the exam following the class, 75% pass the exam the first time taking it.

We will have another recertification training in conjunction with our Annual Meeting in early October. A Basics Class I scheduled for November 7, 8, 2012 at Ralph & Kacoo's Restaurant on Bluebonnet Blvd., in Baton Rouge, LA. The registration form for this training is on our website at www.l-i-a.org.

For 2013 we have scheduled three Basics Classes all at Ralph & Kacoo's Restaurant on Bluebonnet Blvd. in Baton Rouge. The dates are as follows: March 13th, 14th; June 5th, 6th; and November 6th, & 7th. So if you are doing landscape irrigation installation and /or maintenance and need your Landscape Irrigation Contractors license, consider taking one of the Basics Classes scheduled.

Prepared by Severn C. Doughty, Sr. Ph.D., LIA Executive Secretary/Treasurer

► NEW ORLEANS HORTICULTURE SOCIETY

Please email NOHS@agcenter.lsu.edu for the 2012 membership form or more information on NOHS and upcoming meetings. Your support is greatly appreciated. See you soon!

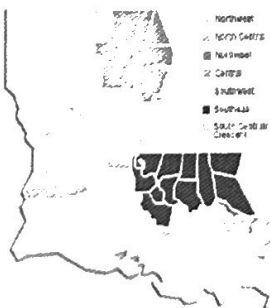
► SELNA UPDATE:

The SELNA Spring business meeting was held on April 10, 2012, in Folsom. Congratulations to Bob Miller, Graco Fertilizer, and Matt Westmoreland, Westfarms Nursery, who were elected to the Board of Directors for SELNA.

The annual SELNA Trade Show will be on Friday, September 28, 2012, at Magnolia Park in Folsom, La. A change this year is that landscape architects will earn 5 CEU's (as compared to last year's 4) for all day attendance. CEU's will be earned by visiting exhibit booths, as well as attending speaker sessions. The Trade Show is still offered free of charge to green industry professionals, especially landscapers and retailers. We hope you'll come. See our announcement elsewhere in this newsletter.

The annual Crawfish Boil for SELNA was held on May 5, 2012. Thanks to Windmill Nursery for hosting this enjoyable event. About 30 members and guests relaxed and had their fill of crawfish and liquid refreshments on a nice Saturday afternoon.

Contact SELNA secretary Annie Coco at acoco@agcenter.lsu.edu or visit our website at www.selna.net for a list of plants available from our growers.



Support Louisiana's green industry by joining your regional association. Contact the following:

BRLA: Elena Fennell, Secretary, (E) ecfennell@cox.net

CLNA: Myra Poole Maloney, President, PO Box 485, Forest Hill, LA 71430-0485, (P) 318-748-6527, (E) hcn418@aol.com.

LIA: Severn C. Doughty, Sr., Executive Secretary/Treasurer, (E) scd357@cmaaccess.com

NOHS: Russell Harris, Secretary, (E) nohs@agcenter.lsu.edu

SELNA: Annie Coco, SELNA Secretary, PO Box 848, Amite, LA 70422 (P) 985-789-4301, (E) acoco@agctr.lsu.edu



Landscape Design Sketchbook

-green laws, design principles, designer plants-
 Buck Abbey, ASLA
 Associate Professor, Robert Reich School of Landscape Architecture
 Louisiana State University

"A stormwater management plan must be submitted and approved as part of the landscape plan..."
 Chapter 23 New Orleans CZO, Landscape Ordinance, 2011.

Regional Sustainable Design Louisiana Yards & Neighborhoods

In recent years several programs have been developed across the nation to promote sustainable design practices. Sustainable landscape design is built upon the concept of protecting and preserving environmental resources for future generations. Often called "green building programs", these are systems of objective design "requirements" and "criteria" providing a way to measure sustainability in architecture, landscape architecture, engineering, product design and construction. Organizations as broad as government, business, industry and even cities are finding ways to live with the earth and protect its environmental resources.

Resources to be conserved include climate, air, water, soil, energy, wildlife and vegetation. More importantly perhaps, is that human health and wellbeing is considered by designers as a resource too.

SUSTAINABLE DESIGN PROGRAMS

There are national programs such as LEED™ and SITES™ that pertain to landscape architecture, landscape contracting and landscape maintenance. LEED is used to design green buildings while SITES is used to design green building sites. Both programs are by subscription, require continuing education and annual re-certification of design-

ers.

There are state and regional programs that pertain to sustainable landscaping that many are not aware of. These regional programs offer interesting insight as to how to design local gardens and landscapes to be more conserving of environmental resources.

Perhaps the best in the country is the California *Bay Friendly Program*. This program has a big following of green industry people in the San Francisco bay area of the state. This program is devoted to preserving scarce water resources. *Bay Friendly* is rich with educational resources and they sponsor active educational programs for landscape architects, contractors and others working in the green industry. Their sustainability calculator or "score card" is the best at setting forth many LBMPs (landscape best management practices).

<http://www.stopwaste.org/home/index.asp?page=8>

In Maryland the *BayScapes Program*, sponsored in part by the U.S. Fish & Wildlife Service, is perhaps the oldest program in the country. This program was created to restore the Chesapeake Bay Eco system which was almost a dead water body in the 1970's. Landscape architects in Maryland, Delaware and Virginia as well as those who live on the 170 mile long Delmarva peninsula use this program.

<http://www.fws.gov/chesapeakebay/bayscapes.htm>

(Continued on page 19)



PLANTS... A PATHOLOGIST'S PERSPECTIVE

IMPATIENS DOWNY MILDEW

Impatiens downy mildew was recently found on *Impatiens walleriana* in the south Baton Rouge area. This is the first known occurrence of this disease in Louisiana. Infected plants had been purchased at a local "big box" store and subsequent inspection of their remaining stock confirmed the presence of downy mildew in the garden center. Plants had been supplied by a wholesaler from a neighboring state. Although this is most likely an isolated introduction, it does point out the need to be on the alert for this disease, which has become a major problem across the northern U.S., southern and coastal California and south Florida in the last year or so.

Depending on the cultivar, initial symptoms of downy mildew may appear as a gray discoloration of the new growth or a yellowing and downward curling of the leaves (Fig. 1). The pathogen can be observed sporulating on the underside of infected leaves and appears as a white, powdery growth reminiscent of powdery mildew (Fig. 2). As the disease progresses, the infected leaves fall and the plants become severely defoliated, leaving only bare stems (Fig. 3).

The pathogen that causes downy mildew on impatiens is *Plasmopara obducens*, which along with *Phytophthora* and *Pythium*, belongs to the Oomycetes, a group of organisms referred to as water molds. *Impatiens walleriana* is the only known host of this pathogen, and all cultivars are reported to be susceptible. As the name suggests, an adequate supply of water is necessary for disease to develop. However, dew and leaf wetness resulting from overhead irrigation are sufficient to allow disease development. Because optimum temperatures for growth of the pathogen are in the range from 60° to 73° F, conditions will become less conducive for disease development as we head into the warmer summer months. However, since *I. walleriana* is typically grown in the shade where the microclimate may allow the disease to persist even during the heat of the summer, it may survive the summer and become problematic again in the fall.

The first step in managing this disease is to inspect plant materials for any signs or symptoms of disease at the time of purchase to prevent introducing it into the landscape. If it is not discovered until it has been installed in the landscape, remove and destroy any infected plants

and those in the immediate vicinity as symptoms may not become visible for up to 14 days or more after the plant has become infected. Also, be sure to remove and destroy any potentially infected leaves that may have already fallen from the plant as these could potentially be sources of inoculum for subsequent plantings. Because *P. obducens* is not a true fungus, many of the fungicides used to control diseases in the nursery and landscape are not particularly effective against downy mildew. The Oomycete-specific fungicides, such as Subdue Maxx, Segway, Stature, and Adorn, and the strobilurin fungicides, such as Heritage, Compass O and Fenstop, may be used in a preventative spray program but should be alternated to prevent the development of resistance to them.

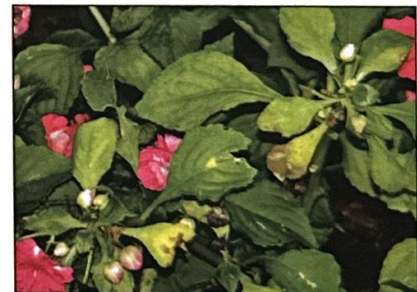
For more on impatiens downy mildew, there is a wealth of information available at <http://www.endowment.org/>.



Above & Below: Impatiens downy mildew



Plasmopara obducens



Article written by Dr. Don Ferrin, Extension Specialist in the Department of Plant Pathology & Crop Physiology, LSU AgCenter, Baton Rouge. (P) 225. 578.8537, (C) 225.573.6510, (E) dferrin@agcenter.lsu.edu

Plant Diagnostic Center

Article by Dr. Nick Singh | LSU AgCenter | R.Singh@agcenter.lsu.edu

The 'Plant Doctor' is in to diagnose and solve your plant health problems at the LSU AgCenter's new improved Plant Diagnostic Center.

Do you know plants get sick too and they are subject to health problems just as we are (Fig 1 below)? Plant health problems are caused by a variety of plant pathogens, nematodes, insect pests, and mites. Weeds compete with your plants for space, sunlight, and nutrients. Adverse environmental conditions also can contribute to plant health problems. Plant problems caused by different agents may exhibit similar symptoms, or those caused by similar agents may show different symptoms. Misdiagnosis of these problems may add to the losses, significantly increase cost of production, and decrease profits. Accurate and rapid diagnosis is required for selecting the best management practices at the most effective time. Before you attempt to correct a problem, you must first determine its cause. That's where we can help!

The new improved Plant Diagnostic Center is a one-stop shop for all your plant health problems. Services available through the center include plant disease diagnosis (biotic and abiotic causes), insect and mite diagnosis/identification (plant related only), nematode diagnosis/identification and weed identification. The staff of the Plant Diagnostic Center has the training and experience to help you solve your problems (at least those associated with your unhealthy plants). Before you submit a sample, however, we suggest you contact your local LSU AgCenter extension agent. Agents are familiar with many of the common plant problems that we encounter and can help evaluate the situation, as well as collect and submit the appropriate samples.

We are committed to provide our clients with accurate and rapid diagnosis of their plant health problems and we offer best management practices to solve these problems. Accurate and rapid diagnosis at early stages of the problem development help you select the best management practice and implement them at the most effective time. We offer you the practical management practices that are tailored just for you to help you get rid of the problem for long-term. You also receive up-to-date information on use of chemical control methods. The Diagnostic Center also provides rapid turfgrass diagnostic service to the Louisiana turfgrass industry.



For us to help you, you must help us. Accurate and rapid diagnosis requires accurate information about the problem, including a detailed description of how it developed. In addition, including a fresh sample is a must! Remember: the better the sample, the more accurate and rapid the diagnosis. We request our clients to read and follow the sample submission guidelines before they plan to submit the samples.

A good sample generally consists of plant materials showing all phases of problem development and includes plant parts showing both healthy and affected tissue. Completely dead leaves, branches, and plants or rotten fruit generally are not useful, but they may be included as part of the sample. Plan to collect and submit samples early in the week. Also, be sure to collect and submit before applying any chemicals, and submit a generous amount of plant material. Samples without the Sample Submission Form and diagnostic fee may delay the diagnosis.

For Plant Disease Diagnosis

Plants showing root rot, wilting, yellowing or general decline: Send whole plants, including roots, if practical. Be sure to send plants showing early stages of disease (Fig 2 right). Dig up carefully. (Don't pull up!) Send sample of soil and feeder roots in plastic bag and seal bag to avoid loss of moisture.



Cankers: Select specimens from recent infestations. Send entire cankered portion, if possible, with some of the healthy wood above and below the canker. Branches and twigs that have been dead for several months are useless for identification.

Leaf spots/blights/scorch: For scorch symptoms (Fig 3, page 22), send in several foot long affected twig/branch with leaves attached. Wrap these in dry paper towels and pack in plastic bag. For spots or blight, wrap 15-20 leaves (showing early and late stages of infestation) in dry paper towels and then pack these in plastic bag.

Fleshy organs: Do not send fruits and vegetables in advanced stages of decay. Select fresh specimens showing early symptoms and wrap these individually in dry paper towels. Do not add extra moisture and pack these in a sturdy cardboard box. Keep cool until shipped.

Turf: For turf, take samples (6 inches by 6 inches or cup cutter) from areas with both healthy and diseased grass, generally at the edges of patches. Again, dig up the grass and include foliage, roots and soil in the sample. Once you collect a sample, be sure to package it so it doesn't dry out before it reaches us – but don't add water! We prefer you place samples in plastic bags rather than paper bags and submit them as soon after you collect them as possible.

(Continued on page 22)

Plant problems? We can help!

Routine Diagnostic
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The LSU AgCenter's Plant Diagnostic Center is a one-stop shop for all your plant health problems. The center provides rapid, accurate diagnosis of the cause of the problem and delivers best management practices recommendations for long-term management.

LSU AgCenter Plant Diagnostic Center

For more information, visit our website: LSUAgCenter/PlantDiagnostics



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THE BUG DOCTOR

WHITEFLIES

Whiteflies are placed in the family Aleyrodidae. They are not flies and are closely related to aphids. Whitefly is one word, and fly is not separate from white. This means that they are not flies. The word fly would be separate in the name of a true fly (Order Diptera). Whiteflies have piercing sucking mouthparts, and the beak arises from the back of the head.

Adult whiteflies look like moths and are about 1/10 to 1/16 inch long. Their four wings are covered with a powdery wax and held rooflike over the body. A female may lay from 200 to 400 eggs. The eggs may be laid in a circular pattern of 30 to 40.

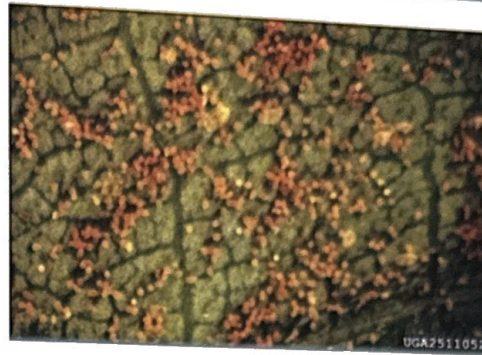
Flattened nymphs emerge from eggs in about a week. These nymphs are called crawlers, and they crawl over the plant and feed on the plant. The legs and antennae of the nymphs are lost following the first molt. The nymphs look like an oval scale and are found on the bottom of leaves. They will feed on the plant for about four weeks and pupate. The adults live about a month after emerging from the pupae. Different generations of whiteflies may overlap with all life stages being present at the same time.

Whiteflies suck the juices from plants. Considerable amounts of sap may be removed. Leaves will often drop early after turning yellow. Whiteflies excrete excess plant juices in the form of honeydew. Honey will cover leaves leaving them sticky. Sooty mold will grow on the leaves blocking sunlight from the leaves. Some whiteflies transmit plant viruses.

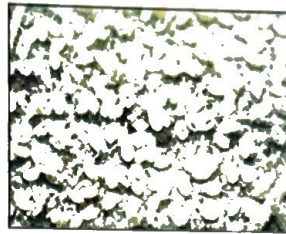
If infested plants are brought into an area, whiteflies will quickly spread to other plants. Inspect plants before bringing them into an area, and isolate them from other plants for a few days. Infested plants should be treated.

There are many natural enemies of whiteflies including spiders. These beneficials should be preserved, and insecticides should be used only when necessary. *Encarsia formosa* is a parasitoid wasp that has been used to manage whiteflies in greenhouses and conservatories. The use of these parasitoids is limited outdoors.

Traps may be made from cardboard in a 12-by-6-inch strip. Both sides of the trap should be painted bright yellow and coated with a sticky substance. The sticky substance may be mineral oil, petroleum jelly, Tanglefoot, petroleum jelly/



1. Whitefly eggs. David Riley, Univ. of GA, Bugwood.org



2. Whitefly nymphs. Clemson University - USDA Cooperative Extension Slide Series, Bugwood.org



3. Adult whitefly. David Cappaert, Michigan State Univ., Bugwood.org

mineral oil mix, or a heavy-grade motor oil (SAE 90). Place the trap vertically just above the plants. The yellow color is attractive to whitefly adults, and they will become trapped in the sticky substance.

If there are large numbers of whiteflies, yellow traps may be of less use in reducing numbers of whiteflies. Place one trap for two vegetable plants. The traps should be cleaned and new sticky material should be applied to keep the traps working. Put traps out when whiteflies first appear. Remove the traps when whitefly numbers are decreasing to prevent catching large numbers of beneficials.

Insecticides may be used to manage whiteflies, but this will be difficult if the whiteflies are resistant to the insecticide. Resistance may result in a product working in one area and not in another. Different classes of insecticides should be rotated to help reduce the risk of the development of resistance. Insecticides are less effective on the eggs and nymphs. Management may require five applications sprayed on a five to seven day interval. It is very important to spray where the insects are (undersides of leaves), and make the

(Continued on page 22)



Article written by Dr. Dennis Ring, Professor of Entomology,
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In Texas, it is all about water, or the lack thereof. The *Texas WaterWise Program* created by Texas A&M University is a science based program created around the design manual *Texas Urban Landscape Guide*. This program provides strategies for the design, installation and maintenance of water conserving, irrigation efficient landscapes. <http://urbanlandscapeguide.tamu.edu/>

In Colorado the *Xeriscape Program*, has long promoted sustainability based design. www.denverwater.org/Conservation/Xeriscape/

This program was created in the 70's based upon seven principles for the use of native drought tolerant, low water usage plants. These principles are still included in the more modern sustainable landscape design programs.

A good example is the State of Florida *Florida Friendly Landscaping Program* (FFL) created to encourage sustainable landscape design and sustainable construction and maintenance practices. This program created at the University of Florida, IFAS Extension consists of 9 principles and many sustainability practices. <http://fyn.ifas.ufl.edu/>

What is real interesting about this program is how widely it is being accepted in Florida. State law was changed to encourage the use of the program in each city and county in Florida. In fact, all of the landscape codes in Florida are being changed to require the use of the sustainability practices (LBMPs) associated with the program, largely aimed at reducing water use.

LYN

In Louisiana the *Louisiana Yards & Neighborhoods Program* (LYN) is our local version of a sustainable landscape design program. This program was created by the LSU AgCenter and modeled after the Florida program. This program consists of 7 principles. Presently this is being ex-

amined thinking that 11 principles and many practices may be needed.

<https://store.lsuagcenter.com/c-8-lawn-garden.aspx>

Download the design manual at

<http://srwqis.tamu.edu/media/10213/pub2993layardslowres.pdf>

Louisiana landscape architects ought to embrace this simple, easy, low cost system to improve the science behind their design work. Landscape contractors, horticulturists, maintenance companies, irrigation installers, urban foresters, master gardeners, urban wildlife consultants, storm water managers and home gardeners can all find benefit in this program

We are teaching this program at LSU and find that our students rapidly learn how to use this program. The way it is constructed allows them to grasp the more complicated LEED and SITES programs, that we are having a difficult time teaching.

GOING GREEN

Most of these programs cited above have design manuals, recognition programs, offer seminars, training and distribute educational material to allow designers, contractors, gardeners and property owners to learn how to build landscapes that are environmentally friendly and sustainable.

In future columns we will explore the several principles of the LYN program.

To immediately find out about the LYN program contact Bobby Fletcher. PhD, LYN program manager and developer at bhfletcher@agcenter.lsu.edu or, Kyle Huffstickler, landscape coordinator at *LaHouse* on the LSU campus at 225-578-7913.

Readers may contact the author, get in touch by email at lsugreen-laws@aol.com. You may call the Robert Reich School of Landscape Architecture at 225.578.1434.

Virginia Buttonweed (Continued from page 5)

MSM, Mansion or Manor) in mid-June to late June. Make a second metsulfuron application 4 to 6 weeks later. I like metsulfuron because it has always performed at acceptable levels in research trials and the herbicide seems to be tolerated pretty well by St. Augustinegrass even in very hot weather. You could substitute applications of Celsius on the weed as well when it gets hot. Celsius has looked good on most broadleaf weeds in my trials and I like its safety on St. Augustinegrass.

Herbicide	Rate	Comments
Metsulfuron (Blade, Manor, Mansion, MSM)	0.5 to 1.0 oz/Λ	Also kills bahiagrass. Use no more than 0.5 oz per application in centipedegrass.
Celsius	3.2 to 5.0 oz	Good when temps are too hot for other herbicides.
Clopyralid (Lontrel)	1.33 pt/Λ	Safe on all southern turfgrass. Non-residential turf only.
Chlorsulfuron (Corsair)	1.0 – 5.0 oz/Λ	Similar to metsulfuron in chemical makeup. Turf species determines the rate. Consider spot treatments.
2,4-D + dicamba +, mecoprop + carfentrazone (Speed Zone)	4 to 5 pt/Λ	Carfentrazone increases initial activity of the herbicide. Expect injury on St. Augustinegrass as temperatures exceed 90 F. All southern turfgrasses are on the product label.
2,4-D + dicamba +, mecoprop – (Southern type Trimec herbicides)	Various depending on formulation	Expect injury to St. Augustinegrass as temperatures exceed 85 F. All southern turfgrasses are on the product label.

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ers. The Archangel angelonias are also new.

Roses
Greenheart Farms and Conard-Pyle were the two rose stops at Spring Trials. Who would have ever imagined how the rose world has changed in the past 10-15 years.

Two new programs from Greenheart Farms are Kolorscape and Veranda. Marketing materials are available for each program. The Veranda collection includes compact, dwarf floribunda rose varieties. There are five included in the initial release. These are exclusively available through Ball Horticulture sales representatives. Some have antique rose-like flowers. They are advertised as having the best characteristics of hybrid tea, David Austin and floribunda roses "in one package." Greenheart Farms' website notes seven varieties in the collection – lemon, pink, cream, angel, blush, cerise and brilliant.

The Kolorscape series of roses are also exclusively available from Greenheart Farms through Ball Horticulture sales representatives. This is a collection of roses to compete with Knock Out varieties. There are four varieties available for 2012 with a yellow being introduced in 2013 and a white and a purple being introduced in 2014. Varieties are promoted as being more controlled in growth habit – 4 feet. The Kolorscape roses are Kordes landscape shrub roses. Kordes is a German rose company known for using no fungicides in their rose breeding and evaluation programs since 1991.

We know Conard-Pyle for the Knock Out roses. They introduced the Drift series several years ago and the new cultivar addition for 2013 is 'Popcorn Drift'.

Everlast Dianthus

The Everlast dianthus got lots of discussion at our stop at Selecta. The colors are white with eye, lilac with eye, lavender with eye, burgundy blush and orchid. This dianthus has double blooms, the hardiness of a perennial and "continuous" flowering all season.

New Petunias

New Blue A Fuse petunia has unique violet, yellow and white multicolor blooms. Be careful with Bonzi – flower color can be changed.

The Pretty series petunias from PanAmerican Seed are new. They have natural compaction. Use for color bowls. Reduced plant growth regulator application(s) needed (half rates or none). The Pretty Flora and the Pretty Grand are larger than other compact growers and have an open canopy. This reduces Botrytis (gray mold). Shelf life at retail is increased. They can be held an extra week in production.

There are new black flowers in the Sophistica and the Debonair petunias. Sophistica is a grandiflora petunia and Debonair is a

multiflora petunia.

Dummen/Red Fox is mostly known for their potunias. These are day length neutral, and you need three plugs per 12- and 14-inch containers. New colors are Strawberry Ice, Banana, Piccola Grape Ice, Purple and Mochaccino. These are better for container culture.

From Syngenta Flowers, there is a new dwarf grandiflora petunia called Duvet. The only other true dwarf grandiflora petunia on the market is the Limbo series. Seed quality is improving with the Duvet series. They flower very early. In addition, plants hold flowers tighter to the canopy in the cell pack. No plant growth regulators are needed when growing this series. The red-colored Duvet has short availability.

The Picobello petunia from Syngenta Flowers is a milliflora. It is good for 4-inch and jumbo six pack production. There is no blue variety available in the series. Plants are 33% shorter; smaller than the Shock Wave series.

American Takii has the new Trilogy series petunias. They are great for lower grower input. No plant growth regulators are needed. The growth habit is between a spreading and a multiflora. Landscape size is 15 inches height x 36-inch spread. Seven colors are available, plus an experimental blue is being investigated. They have good shelf life at retail.

Benary is working on improved colors and habits in the Avalanche and Ramblin petunias.

Happy Hour and Happy Trails Portulaca

Happy Trails is the new series of portulaca for 2013. It replaces the Tequila series. Colors are peppermint, orange, primrose, fuchsia, pink and yellow. There is also a rosita and a deep red which were not available in the Tequila series. Mixed trays of portulaca sell better than single color trays of portulaca. Pink Passion Mix has Rosita, primrose and peppermint. There is a tropical mix with yellow, deep red and orange. Happy Trails is trailing and has a 10-hour photoperiod – the smallest minimum photoperiod for any portulaca on the market. Tequila photoperiod was 10 hours, 20 minutes.

Happy Hour is the new portulaca for 2011/2012 that replaces the Margarita series. It has a bush-type growth habit. Its photoperiod is 10 hours, 30 minutes (Margarita was 11 hours). Happy Hour introduction increased sales 25% over the previous year with Margarita. When working with photoperiod, it is easy to remember that each 15-minute time frame translates to one week production time.

Article provided by Allen Owings, professor of Horticulture, Hammond Research Station, Phone 985-543-4125, Fax 985-543-4124, Email owings@agcenter.lsu.edu



Plant Diagnostic Center (Continued from page 12)

For Nematode Diagnosis/Identification: Late summer and fall are the best times to take nematode samples. Nematode samples require at least a pint of soil from approximately 20 random soil probes. Mix soil together and mail in plastic bag placed inside an LSU AgCenter soil box. The sample must be accompanied by Nematode Assay Form with required information. Protect sample from heat and light.

For Insect Pests/Mite Diagnosis/Identification: Collect damaged plant parts, such as leaves or twigs, and wrap these in dry paper towels and place in plastic bags. If root sample is submitted, pack the damaged roots with soil intact in plastic bags. Submit insect specimens in glass vials containing ethanol. Label the vials with the collection information – site, host, date and collector's name. Complete the sample submission form for each sample/vial specimen submitted for diagnosis.

For Weed Identification: Send in the entire plant for identification. Leaves alone may not be sufficient for an accurate identification. Dig up carefully. (Don't pull up!) Wrap roots in plastic bag and rest of the plant in dry paper towels and pack the entire plant in plastic bag. High-quality images of the plant may aid in identification.

Sample Packaging: Do not add water to samples. Follow the packaging guidelines for type of samples explained under different sections. In addition, pack specimens from different plant species separately. Pack samples in a sturdy cardboard box. Wrap package in heavy paper. Identify package with both outside and inside labels, but don't put inside label where it may come in contact with moisture. Place the completed Sample Submission Form and payment in plastic bag and include with the sample.

Diagnostic Fee: We charge \$20 per sample for routine diagnosis. Specific tests including molecular, biochemical, and serological diagnosis are also available on request. Please consult us for specific services and diagnostic fee before submitting the sample.

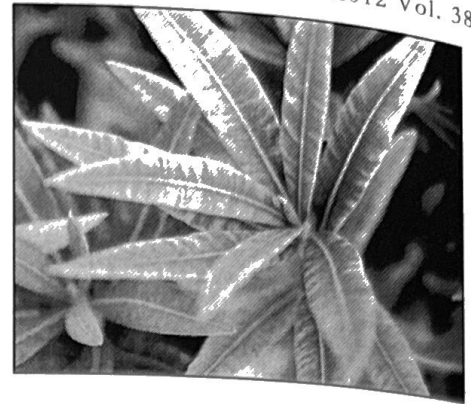
Sample Mailing: Be sure to mail packages to arrive on weekdays (Monday through Friday) rather than on the weekend. Ship samples immediately after collecting them preferably overnight deliveries. Write the correct mailing address on the package.

Address package to:

Plant Diagnostic Center
302 Life Sciences Building
LSU Campus
Baton Rouge, LA 70803

For more information please visit our website
www.lsuagcenter.com/plantdiagnostics

Fig 3: Oleander leaf scorch.



Whiteflies (Continued from page 17)

first application when the whiteflies are first detected. If whitefly numbers build up, it may be very difficult to manage them.

Insecticides used to manage whiteflies may be found in the insect pest management guide published by the LSU AgCenter. Some insecticides include acetamiprid, neem oil, pyriproxyfen, Fenoxycarb, insecticidal soap, pymetrozine, horticultural oil, thiamethoxam pyrethrins, permethrin, acetamiprid, imidacloprid clothianidin and malathion.

By Dr. Dennis Ring, LSU AgCenter Entomologist, dring@agcenter.lsu.edu



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9:30-10 am	Dr. Regina Bracy Louisiana Super Plants
10-11 am	Visit Exhibit Booths
11-12 noon	Dan Gill Tree Care
12-1:30 pm	Complimentary BBQ Lunch & Visit Exhibit Booths
1:30-2:30 pm	Speaker(s) TBA Parishes Landscape Ordinances
2:30-3 pm	Visit Exhibit Booths

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**Louisiana
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MINUTES LNLA BOARD OF DIRECTORS MEETING
Thursday, January 5, 2012, 10:00 A. M.
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Hammond, LA

The Emergency Special meeting of the LNLA Board of Directors was held on Thursday, January 5, 2012, at the Hammond Research Station in Hammond, La. Attending were: Annie Coco, Todd Ellefson, Tom Fennell, Walter Imahara, Buddy Lee, Gerritt Monk, Mark Murrell, Pat Newton, Allen Owings, Buddy Perino, Renee C. Vanlangendonck. Quorum is 7 voting board members; 9 were present; quorum established.

President Todd Ellefson called the meeting to order at 10:09 am. All stood and participated in the Pledge of Allegiance. Todd then introduced Annie Coco, who is serving as Interim Executive Secretary, and Tom Fennell, who is an incoming board member to be elected at the upcoming annual meeting.

Minutes of Last Meetings

The minutes of the last board meeting on Dec. 7, 2011, and conference call meeting on Dec. 15 were handed out by Allen Owings and reviewed by those present. There was discussion on the procedure for the review of the past executive secretary and the exclusion of it from the minutes. Some comments included: Need to give the executive secretary a chance for rebuttal; the committee gave a report on the review and there was a chance to make comments by the executive secretary at the review; don't tie raises to reviews; review should be done annually; lessons have been learned about doing reviews.

There was also discussion about the budget: last year, spent more than budgeted and voted on at annual meeting; Board should not spend more than 15% above the budget; \$5,000 given to the Foundation was checked with a CPA and deemed okay legally; Board can deviate from budget, which is a guidance tool. Later in the meeting, it was confirmed that the budget will be presented at the annual meeting; a line for Reserve was requested to be included.

Gerritt Monk motioned to accept minutes of Dec. 7 meeting; second by Pete Newton; motion carried.

The minutes of the conference call board meeting of Dec. 15 was reviewed. There was discussion on the phrase "cease and desist"; in future, use different terminology, due to legal definitions.

Mark Murrell motioned to accept minutes of Dec. 15 meeting; second by Pete Newton; motion carried.

Review of By-Laws for Electing Officers

A brief history was given by Todd Ellefson: At a past Board meeting, a motion was made and passed to nominate current officers for a second term; at the next board meeting, the executive secretary reported he determined that was not necessary due to intent of wording, so Board did not need to change by-laws. Todd contacted an attorney and asked for a legal interpretation of the by-laws; his response was "it does not appear that the Articles impose a one year term limit on Officers." People are nominated by committee/Board and the floor is opened for additional nominations at the annual meeting. At this time, the nominating committee, as stated by Pete Newton, is keeping the nominations the same officers to be re-elected. The nominating committee felt it was best for continuity to nominate the same officers with a change of executive secretary at this time.

There was discussion about whether to introduce a term limit on officers in the by-laws: there may be and has been difficulty getting people to serve as board members and officers; years ago, there were two year terms, but some people only wanted to serve one year, so by-laws were changed then. Board positions are two years, staggered to preserve continuity.

Discuss By-Laws Change(s)

Walter Imahara reminded the Board that to make a change, it must be approved by the Board, then mailed at least 10 days before the annual meeting. If approved, it must be on the agenda, be sent to Secretary of State, and maybe the IRS. Discussion included: maybe don't want the by-laws too limiting; need to clean up the articles, specifying job duties of each officer; include who prepares budget. No further action was taken.

Discuss Possible Alternate Officers

Pete Newton reported the nominating committee nominates the same officers to serve a second year. Walter Imahara asked not to be nominated for another year. The committee will consider another nomination.

Review Voting Privileges

Discussion included: There should be one vote per member; interim executive secretary is responsible for counting votes. The membership descriptions and voting rights were read and confirmed.

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Board Minutes (Continued from page 23)Awards & Presentations

Todd Ellefson requested all Board members (with spouses, if desired) sit at the head table to show unity.

The James A. Foret award was to be presented by Severn Doughty; he removed himself at the December board meeting; Renee Vanlangendonck will present the James A. Foret award to Richard Odom. Question & suggestion to present an appreciation award to Severn Doughty; all agreed. Allen Owings then went through the following: Honorary Membership will be awarded to Severn Doughty & Craig Roussel; Annie Coco will present them. Young Professional of Year will be awarded to Carruth Higgins, presented by Allen Owings. Professional of Year will be awarded to Roger Mayes, presented by Walter Imahara. Professional Achievement Award will go to Jimmy Culpepper, presented by Pete Newton. Distinguished Service Award will go to Craig Roussel, presented by Pat Newman. Certificate of Appreciation will go to Nick Simoneaux and a plaque to Severn Doughty, presented by Annie Coco.

Executive Secretary – Interim

Todd Ellefson reported that Annie Coco was asked to serve as Interim Executive Secretary and is taking minutes at this meeting. Pat Newman motioned to accept Annie Coco as Interim Executive Secretary effective Jan 1, 2012; second by Gerritt Monk; motion passed. Gerritt motioned to pay Annie same salary as previous. The job opening will be posted; then interviews conducted; then Board will decide and hire. Allen Owings is creating the job announcement. Second the motion by Buddy Lee; motion carried with no opposition. Suggestion made by Walter Imahara to Todd to speak to Danny Summers, SNA, about by-laws.

SNA James A. Foret Scholarship Account Update

Walter Imahara reported he asked Danny Summers about the monies in the account; the current value is \$650-700,000 and the money is safe. No scholarships have been awarded recently. Walter will set up a meeting with Danny at GSHE.

Silent Auction Items for GSHE

LNLA will have silent auction at its Reception on Thursday evening; Allen Owings asked for more items to be donated. One suggestion was a box of Get It Growing calendars. Pete Newton will make contacts with Lesco and one other for items.

Commissioner Strain to GSHE

Todd Ellefson stated he and one other will pick up Commissioner Strain and pilots from airport. Room reservations have already been made.

New/Other Business

Statement to Annie Coco to bring packets for new board member(s); include updated info.

Brief discussion on how to get more new members: Low percentage of license holders are members. Suggestion to do mailing to all licensed in spring and again until get 33% as members.

Discussion on how to get LNLA stuff from Severn Doughty. Annie Coco will get stuff needed for GSHE. Gerritt Monk has trailer and may get rest and bring to Windmill on way to GSHE. Todd offered a vacant office at Windmill for storage for now.

Tom Fennell pointed out that ratification/approval of Foundation board needs to be at LNLA annual meeting; Rick Webb will be nominated.

Meeting was adjourned at 12:23 PM; followed by lunch.

Annual Meeting Minutes (Continued from page 25)Financial Update

Treasurer Pat Newman presented printed copies of the year end report for all to review. The total assets are \$135,187 as of December 31, 2011. After brief discussion, motion was made by Regina Bracy to accept the report; second by Al Durio; motion passed.

Louisiana Nursery & Landscape Foundation for Scholarship & Research (LNLFSR) Update

President Pete Newton reported there will be a fund-raising silent auction at the Hospitality this evening. A research grant was awarded to the Hammond Research Station this past year in the amount of \$10,000. THANKS to the Hooglands, who donated \$5,000 at the second annual gala held this past year.

Nominations & Election of Officers

Todd Ellefson explained that some of the same officers already serving were being nominated to serve a second one-year term for 2012.

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**Louisiana
Nursery &
Landscape
ASSOCIATION**

MINUTES OF THE LNLA 2012
ANNUAL MEMBERSHIP MEETING AND AWARDS PROGRAM
GULF STATES HORTICULTURAL EXPO
ARTHUR OUTLAW CONVENTION CENTER, MOBILE, AL
JANUARY 19, 2012

The 2012 Annual Membership Meeting of the Louisiana Nursery & Landscape Association (LNLA) was held on Thursday, January 19, 2012, at the Gulf States Horticultural Expo (GSHE) in Mobile, Alabama. President Todd Ellefson welcomed all in attendance and called the meeting to order at 7:05 am, followed by everyone standing for the Pledge of Allegiance. There were 95 people who signed the sign-in sheets and were in attendance.

Minutes of Last Annual Meeting

The minutes of the last annual membership meeting on January 20, 2011, were available at each table and time given to be reviewed. Motion was made by Dan Devenport to accept minutes as presented; second by Rick Webb; motion carried.

Reflections of 2011 by President

Todd Ellefson gave a brief review of the accomplishments of LNLA during the past year. His remarks included: improving visibility of LNLA with 2 membership drives held during the past year; he encouraged all to promote LNLA; continuing to improve the web-site; LNLA was a gold sponsor by donating \$5,000 to the 2011 gala; built the relationship with Commissioner of Agriculture Mike Strain. Todd gave special thanks and welcome to retired Craig Roussel, and welcomed his replacement Tad Hardy.

Moment of Silence for Deceased members & Industry Friends

Todd Ellefson asked for silence as he called the names of the following: J. C. Patrick, ProScape, Luther F. Gill, father of Dan Gill, LSU AgCenter, Nell Bateman, wife of Ed "Buck" Bateman, SE LA University, Larry Brock, LSU AgCenter, Charles G. Garrison, Garrison's Greenwood Gardens, Ken Harris, Great Western Bag Company, Tommy Henegar, Southern Nursery Association, Sigal Kavanaugh Ory, mother of John Kavanaugh, Kavanaugh's Landscape, Kay Owings, mother of Allen Owings, LSU AgCenter, Barbara Nelson, wife of Ira Nelson, University of Louisiana-Lafayette, Mother of Rusty Ruckstuhl, Grass Roots, Inc.

Key Note Address – Dr. Mike Strain, Commissioner of Agriculture

Dr. Mike Strain, Louisiana Commissioner of Agriculture, Louisiana Department of Agriculture & Forestry (LDAF), gave the keynote address with an update on LDAF. He stated we were moving into the golden age of agriculture. American agriculture is moving forward; the dollar value is growing. More goods are exported through Louisiana than any other state. The amount of land in agricultural production is down, but the dollar value is up. The world population is growing, so we must accelerate our rate of science; we must reinvent ourselves. We need to contact legislators to keep research and Extension for agriculture, so we have knowledge useful five years from now. He is proud of his inspectors keeping watch on pests. We must look for new markets.

When asked to make a few comments on eVerify, he stated it is coming. H2A wages are increasing; H2B are on hold. They will set up a passport good for five years with photo ID. Ninety percent of guest workers come back year after year; we have more in Louisiana than any other state. We must continue to talk in Washington, DC.

After his address, a break was taken for everyone to eat the breakfast served.

Scholarship Awards for 2011

The following awards were presented by Allen Owings and Rick Cicero: Ira Nelson Scholarship Award to John Hoogland, University of Louisiana-Lafayette; Foret-Meadows-Owings Scholarship Award to Jacob Reichley (Louisiana Tech University), Katharine Guitreau (LSU), Maureen Thiessen (LSU), Sarah Caldwell (Louisiana Tech University), Jason Stagg (LSU) and Amanda Beerens (LSU) who was not present, but was presented the following week.

Horticulture Research Institute Update

Dan Batson reported the Horticulture Research Institute is the research branch of ANLA; they are trying to raise \$1/2 million for research. This year research funded includes: recycling water and re-using fertilizer in recycled water; prove and quantify carbon sequestration/usage; making plastic pots out of chicken feathers. He asked for \$330 memberships in HRI, the equivalent of 1 cent per mile that he has travelled in 3 states. Dan will match donations up to \$50,000 this year from 3 states.

Southern Nursery Association Update

Randy Bracy reported they have gone through troubled times in the last 3 years. They have served the industry for 100 years. The new SNA will address issues across state lines, but not compete with state associations. They now have 400 members; an active web-site; still owe money, but are financially sound. All were asked to join.

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CALENDAR OF EVENTS

June 2012 - December 2012

- Jun 28 Horticulture Field Day**
Texas A&M, Overton, TX
Contact: Brent Pemberton, (E) b-pemberton@tamu.edu
- Jun 30 Burden Center Garden Festival**
Burden Center, Baton Rouge, LA
Contact: Jeff Kuehny, (E) jkuehny@agcenter.lsu.edu
- July 14 Roses & Horticulture—Propagation & Hybridizing**
American Rose Center, Shreveport, LA
Contact: Allen Owings (P) 225.603.8096, (E) aowings@agcenter.lsu.edu
- July 19 California Spring Trials Workshop**
Burden Center, Baton Rouge, LA
Contact: Allen Owings (P) 225.603.8096, (E) aowings@agcenter.lsu.edu
- July 25 LNLA Board of Directors & Officers Meeting**
Pat's Restaurant, Henderson, LA
Contact: Annie Coco, (P) 985.789.4301, (E) acoco@agcenter.lsu.edu
- Aug 2-3 Certified Nursery & Landscape Professional Review/Exam**
Ira Nelson Horticulture Center, 2206 Johnston St., ULL, Lafayette, LA
Contact: Annie Coco, (P) 985.789.4301, (E) acoco@agcenter.lsu.edu
- Aug 6 South-Central Region Meeting of the Assoc. of Specialty Cut Flower Growers, Folsom, LA**
Contact:
- Sept 8 Roses & Horticulture—Climate Change and Plants**
American Rose Center, Shreveport, LA
Contact: Allen Owings (P) 225.603.8096, (E) aowings@agcenter.lsu.edu
- Sept 26 Baton Rouge Landscape Association Fall Meeting**
Bass Pro Shops, Denham Springs, LA
Contact: Elena Fennell, (E) efennell@cleggsnursery.com
- Oct 3 Ornamental & Turfgrass Pesticide Applicator Recertification**
Lafayette, La.
Contact: www.lpca.org
- Oct 4 Ornamental Horticulture Field Day**
MSU, South MS Branch Experiment Station, Poplarville, MS
Contact: Gene Blythe, (P) 601-795-4525
- Oct 5-6 Fall Flower & Garden Fest**
Truck Crops Experiment Station, Crystal Springs, MS
Contact: <http://msucares.com/fallfest>
- Oct 10 LNLA Board of Directors & Officers Meeting**
Hammond Research Station, Hammond, LA
Contact: Annie Coco, (P) 985.789.4301, (E) acoco@agcenter.lsu.edu
- Oct 11 Landscape Horticulture Field Day**
Hammond Research Station, Hammond, LA
Contact: Regina Bracy, (E) rbracy@agcenter.lsu.edu
- Oct 12-13 Southern Garden Symposium**
St. Francisville, La.
Contact: www.southerngardensymposium.org
- Nov 7-8 LIA Irrigation Basics Certification & Re-Certification**
Ralph & Kacoo's, Baton Rouge, LA
Contact: Severn Doughty, Sr., (P) 318.872.4677, (E) scd357@cmaccess.com
- Nov 15 Ornamental & Turfgrass Pesticide Applicator ReCertification**
Kenner, La.
Contact: www.lpca.org
- Dec 5 LNLA Board of Directors & Officers Meeting**
TBA, Baton Rouge, LA
Contact: Annie Coco, (P) 985.789.4301, (E) acoco@agcenter.lsu.edu

Annual Meeting Minutes (Continued from page 24)

The nominees presented are:
 President – Todd Ellefson
 Past President – Pete Newton
 1st Vice President – Gerritt Monk
 Treasurer – Pat Newman
 Interim Executive Secretary – Annie Coco (Appointed by Board)
 Board Member (2013) – Rick Cicero
 Board Member (2013) – John Kavanaugh
 Board Member (2013) – Buddy Perino
 Board Member (2013) – Renee Vanlangendonck
 Board Member (2014) – Robert “Buddy” Lee
 Board Member (2014) – Mark Murrell
 Board Member (2014) – Margie Ann Jenkins
 Board Member (2014) – Tom Fennell
 Associate Board Member (2014) – Brian Bridges
 Director of Research & Education – Allen Owings
 Director of Training – Dan Gill

When called for, there were no further nominations from the floor. Motion to accept the nominations and elect all by acclamation by Rick Webb; second by Nick Simoneaux; with 1 nay vote, motion carried. President Todd Ellefson then announced the job description for Executive Secretary will be posted after the search committee meets.

Presentation of Awards

The following awards were presented:
 Honorary Memberships - Craig Roussel & Severn Doughty, Sr. – presented by Todd Ellefson
 Young Professional of the Year Award 2012 – Carruth Higgins – presented by Dr. Allen Owings
 Professional of the Year Award 2012 – Roger Mayes – presented by Walter Imahara
 Professional Achievement Award 2012 – Jimmy Culpepper – presented by Dr. Allen Owings

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The Louisiana Nursery & Landscape News is the official publication of the Louisiana Nursery & Landscape Association, Inc. Contact LNLA's Editors if you have green industry news, announcements, have questions or comments concerning it's content. Visit our website at www.lnla.org.

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