



LOUISIANA
Nursery & Landscape
NEWS

LNLA Quarterly Newsletter | Volume 62 | April / May / June 2018

Summer 2018

Photo submitted by Frances D. Hutson with Biedenharn Museum and Gardens in Monroe, LA



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**Louisiana
Nursery &
Landscape
ASSOCIATION**

Mission...*To enhance the quality of life for people, conserve and protect the global environment, and promote the professionalism and profitability of the nursery and landscape industry in Louisiana.*

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A WORD FROM OUR PRESIDENT

I hope everyone had a prosperous spring! Everyone in the green industry I have spoken with recently has had a very successful season and I hope it stays steady until the fall (aka football season). Geaux Tigers and Who Dat!

Our second board meeting took place at the Department of Agriculture and Forestry in Baton Rouge. We had some good discussions, made some difficult decisions, and exchanged some fresh ideas that will improve our association. The board and I appointed and confirmed Brian Bridges as our new Treasurer. Brian has served on the board for many years and has previously been the Chairman of the Funding Committee.

I would like to thank Ms. Pat Newman for her many years of service to our association as a board member, as a President, and as our Treasurer. She is currently serving as the President of LNLFSR and also served on the Gulf States Horticultural Expo (GSHE) Board. We are grateful for all she has done for the Association.

Thanks to our Executive Secretary, Cari Jane Murray, for being instrumental in our battle against the state Legislature. Many of you received emails from

Cari Jane asking you to rally against House Bills 748 and 372, which would have had a negative impact on our industry. Cari Jane attended the Senate Commerce meeting with Brian Breaux and thankfully the bill was pulled. It was truly amazing to see everyone come together for a common cause and prevail.

A good time was had by all at Gala IX on June 9, 2018, at the Lod Cook Alumni Center on LSU's campus. The proceeds from this event will benefit the Louisiana Nursery & Landscape Foundation for Scholarship & Research. The Foundation was founded by members of LNLA as a non-stock, non-profit 501(c) in 2009. Its mission is to provide scholarships to Louisiana college students who are enrolled in ornamental horticulture or closely related fields and to provide grants to individuals, institutions and research programs. I highly recommend attending the Gala and donating to this wonderful part of LNLA and my thanks to all who attended and participated this year.

Sincerely,
Chris Herrmann

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UPCOMING EVENTS

July 10-11, 2018 - LNLA's Certified Nursery and Landscape Professional (CNLP) Review and Exam. Ira Nelson Horticulture Center, Lafayette, LA. Contact carijanelnla@gmail.com for more information.

August 16-18, 2018 - TNLA's Nursery/Landscape Expo, San Antonio, TX. Visit <http://www.nurserylandscapeexpo.org/> for more information.

October 4, 2018 - LSU AgCenter's Fall Field Day and SELNA Tradeshow at Hammond Research Station.

October 4, 2018 - MSU Coastal Research and Extension Center hosts it's Ornamental Horticulture Field Day. For more information contact Gene Blythe at 601-795-4525

November 9, 2018 - BRLA hosts Dave Ramsey's full-day leadership event, EntreLeadership 1-Day. More information to come.

January 30 - February 1, 2019 - Gulf States Horticultural Expo, Mobile, AL www.gshe.org

The LSU AgCenter and affiliated groups offer numerous educational opportunities for nursery and landscape professionals. Some educational programs having multi-state impact and attendance are also listed. Be sure to check with the contact person listed for more specific information on each event and confirm date, location, time prior to attending.

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Notes from the secretary...

Hello Everyone,

I hope you all received your first quarter LNLA newsletter and membership directory combo and were delightfully surprised by the new look. This issue was mailed to over 3000 potential LNLA members. We want everyone to know how awesome our association is and how and why being a member is so important for all of us. "One Voice"

If you know someone; a colleague, employee or friend that is not a member of LNLA, please encourage them to join today, the benefits far exceed the membership fee! You also can get a referral bonus of \$50 for every qualifying regular member you bring onboard! You can find a membership application towards the back of this publication.

LNLA.org will have a facelift soon! We are hard at work to make the site easier for you to use and find the information you are looking for. Stay tuned, this should roll out by the end of summer.

LNLA will host our Certified Nursery and Landscape Professional (CNLP) review and exam with Dan Gill July 10th and 11th at Ira Nelson Horticulture Center in Lafayette. Call or go online to lnla.org to sign up now. You can also purchase the "Louisiana Manual for the Environmental Horticulture Industry" on our website exclusively. This manual is used for our certification exam prep and also the state licensing exam for Landscape Horticulture.

Thank you to all who sponsored, donated and attended the LNLFSR Gala IX! A great time was had by all while raising funds for research and education. We look forward to Gala X in summer of 2019!

As always, if you have any needs, questions or comments please feel free to contact me at carijanelnla@gmail.com.

Thank you,

Cari Jane

LNLA and LNLFSR Executive Secretary

Advertise your business in the LNLA Quarterly Newsletter

Quarterly publications: Jan/Feb/March, April/May/June, July/Aug/Sept, Oct/Nov/Dec.

AD Sizes	Dimensions	1 QTR Issue	Non-Member Rate 1 YR / 4 issues	*Member Rate 1 YR / 4 issues
Full pg Color	7-1/2" X 9-1/2"	\$300	\$1200	\$960
Half pg B/W	3-1/2" X 9-1/2" V	\$115	\$450	\$300
Half pg Color	7-1/2" X 4-1/2" H	\$180	\$720	\$480
Quarter pg B/W	3-1/2" X 4-1/2"	\$75	\$300	\$150
Quarter pg Color		\$120	\$480	\$300
Business card B/W	3-1/2" X 2"	\$65 \$110	\$260 \$420	\$110 \$270
Business card Color				

Ad Specifications: Ads should be saved in a **jpeg** or **tiff** format, with fonts converted to curves.

Deadline: Ads are due the first of the month each quarter (March, June, September, December).

For Questions and Ad Submissions Contact: Cari Jane Murray, LNLA Executive Secretary,

(E) carijanelnla@gmail.com (P) 985-237-2939.

PURCHASE the 1yr/4 issue option and get a FREE ad in the LNLA Directory

LNLA's Newest Members

Don't forget to add this page to your complete list of LNLA Membership in the last issue.

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Miller, Darlene
3474 Highway 112
Forest Hill, LA 71430-9270
(318) 748-6766, (318) 613-5080
(318) 748-6765, (800) 256-6766
sales@millersgroundcover.com
www.millersgroundcover.com/
Business Type: WG

MIZELL'S CAMELLIA HILL NURSERY

Mizell, Mary
PO Box 721
Folsom, LA 70437
(985) 796-3209, (985) 630-2688
(985) 796-3209
mizellmary@aol.com
www.mizellcamelliahillnurseries.com
Business Type: GC:LM:IR:SG:LC

GERALD, GRANT

56 Shady Oaks Drive
Covington, LA 70433
(985) 515-6271
grant.gerald@att.net
Business Type: SG:WG:WF

RP LANDSCAPING, LLC

Packnett, Robert
7442 Spring Lake Drive
New Orleans, LA 70126
(504) 243-4120, (504) 244-5903
rplandscaping@msn.com
rplandscaping-nola.com
Business Type: LC

SAVANH NURSERY, LLC

Thyraththongsay, Bounoume
425 Sugartown Road
Glenmora, LA 71433
(318) 794-2589, (318) 880-4381
(318) 659-3101
savanh.nursery@gmail.com
Business Type: GC

SERVICE ISUZU TRUCK

Richard, Jackie
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Lafayette, LA 70506
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(337) 289-1570
bprosper@servicegm.com
www.servicegm.com
Isuzu trucks with landscape bodies
Business Type: AS

LDAF

Peltier, Tina
5825 Florida Boulevard, Suite 3002
Baton Rouge, LA 70806
(225) 952-8100, (225) 718-2144
(225) 237-5571
tpeltier@ldaf.state.la.us
www.ldaf.state.la.us
Business Type: GV

TRIANGLE NURSERY

Raska, Bobbie
Triangle Nursery
PO Box 681248
Houston, TX 77268
(281) 537-7614, (281) 537-7619
m.brack@att.net
Business Type: WF

AKIN'S NURSERY, INC.

Cook, Foster
PO Box 5155
Shreveport, LA 71135-5155
(318) 868-2701, (318) 865-0574
www.akinsnursery.com
Business Type: GC:LC

MARK BROUSSARD, LLC

Broussard, William Mark
920 Plantation Road
Alexandria, LA 71303
(318) 709-0137
wmbroussard@hotmail.com
Business Type: WF

HORTICULTURAL CONSULTANTS, INC.

Stephenson, Grant
PO Box 596
Spicewood, TX 78669
(713) 665-7256
gls@hcgiglobal.com
www.hcgiglobal.com
Business Type: HC:BR:WG:WF

G & M LAWN SERVICES, LLC

Henderson, Miles
138 Pleasant Valley Drive
Des Allemands, LA 70030
(985) 817-9704
mahenderson76@aol.com
Business Type: LM

MULCH MANUFACTURING, INC.

Roth, Tina
6747 Taylor Road S.W.
Reynoldsburg, OH 43068-9649
(614) 864-4004, (614) 864-1946
troth@mulchmfg.com
www.mulchmfg.com
mulches
Business Type: AS

BRITTCO NURSERY, INC.

Britt, Bruce
PO Box 545
Glenmora, LA 71433
(318) 748-4111, (888) 508-4111
bbritt@brittoffice.com
www.jasminehillfarms.com
Business Type: WG:WF

LSU AGCENTER-NORTHWEST REGION

Wilson, Mark
3101 Fairfield Avenue
Shreveport, LA 71104
(318) 698-0010, (318) 741-7433
mawilson@agcenter.lsu.edu
www.lsuagcenter.lsu.edu
Business Type: U

D & C LANDSCAPING

Cain, Dillon
67212 Cain Lane
Kentwood, LA 70444
(985) 474-6224, (985) 748-7720
hitecredneck83@yahoo.com
Business Type: LA:LC:LM

FOREST HILL PLANT CEAX

Murrell, Kelley
PO Box 82
Forest Hill, LA 71430
(318) 880-5853
(318) 748-4633
kmurrell@plantceaux.com
www.foresthillnsy.com
Business Type: WF

CITY OF NEW ORLEANS-PARKS & PARKWAYS

Macdonald, Ann E.
2829 Gentilly Boulevard
New Orleans, LA 70122
(504) 658-3201, (504) 658-3228
aemacdonald@cityofno.com
www.cityofno.com
Business Type: PG

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Carruth, Jamie
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Baton Rouge, LA 70808
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jamie.carruth@uslawns.net
www.uslawns.com/team533
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Grand Coteau, LA 70541-0266
337-501-9923
thegreengirl17@gmail.com
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Pennington, Andree
12614 Heversham Avenue
Baton Rouge, LA 70810
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andreeathome@cox.net
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Pennington, Michael
12614 Heversham Avenue
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(225) 761-0008, (225) 761-0008
michael@penningtonlawnbr.com
Business Type: IR:LC:LM

SPORTS TURF SPECIALISTS, LLC

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troy@stsla.net
www.stsla.net
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Business Type: PG

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Shreveport, LA 71129
(318) 218-4179, (318) 938-5391

THE QUAGLINO LANDSCAPE COMPANY INC

Quaglino, Angelo
PO Box 1543
Abita Springs, LA 70420
(985) 373-9139
angelo@quaglands.com
www.quaglands.com
Business Type: LC:LM:IR

MALONEY LANDSCAPE

Poole Maloney, Myra
75 Nick Strange Road
Lecompte, LA 71346
318-321-6046
myramaloney41@gmail.com
Business Type: HC:LC:GC:SG

EDEN SCAPES LLC

Chitwood, Chantel
850 Kaliste Saloom Rd, Ste 108
Lafayette, LA 70508
337-789-1141, 337-849-1117
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www.edenscapes.com
Business Type: LM

CPRA

Bahlinger, Kenneth
7836 Menlo Dr.
Baton Rouge, LA 70808
225-342-7362, 225-287-6008
kbahling@bellsouth.net
Business Type: GV

FISH HATCHERY NURSERY

Robinson, Tracy
128 Fish Hatchery Road
Forest Hill, LA 71430
318-201-8024, 318-729-3226, 318-748-7022
fishhatcherynursery128@gmail.com
Business Type: WF

HAWKINS NURSERY LLP

Johnston, Leonard & Roxanne
PO Box 38
Forest Hill, LA 71430
318-748-6506, 318-748-6510
hawkinsnsy@gmail.com
Business Type: WF

PIN OAK NURSERY, INC.

Cornett, Elizabeth
3354 Hwy 112
Lecompte, LA 71346
318-748-6349, 318-834-6438
318-748-4168
pinoaknursery@yahoo.com
Business Type: SG:WF

ROUNTREE DESIGNS, INC.

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routtreeds@bellsouth.net
Business Type: HC

BENGE LANDSCAPE, LLC

Benge Sr., Tom
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Braithwaite, LA 70040
(504) 583-0106
tom.benge@gmail.com
Business Type: LC

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Jefferson, LA 70121
504-488-9115, 504-488-9177
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www.bartlett.com
Business Type: A



ORNAMENTAL SWEET POTATOES

Ornamental sweet potatoes have quickly become a favorite ground cover plant providing color and texture to grouped plantings. Varieties like 'Sweet Caroline' and 'Black Beauty' are common in retail outlets and are popular additions to residential as well as commercial landscapes. Like its sweet potato crop counterpart, however, ornamental sweet potatoes hold the potential to move and spread a pest of quarantine concern, the sweetpotato weevil (SPW), *Cylas formicarius elegantulus*.

The Louisiana Department of Agriculture and Forestry (LDAF) maintains quarantine restrictions on all sweet potato (*Ipomoea batatas*) plants and plant parts, and all other *Ipomoea* species, **including ornamentals**, to prevent the introduction of SPW into Louisiana's 'SPW-free' area. This 'free' area includes 17 parishes in the northeast part of the state (for a map showing SPW-free and SPW-infested areas in Louisiana, please contact LDAF at horticulture@ldaf.state.la.us).

All ornamental sweet potatoes entering Louisiana's SPW-free areas must originate in an area certified by the state of origin as free from SPW and the shipment must be certified as SPW-free using the protocol below. This is true for sweet potato plants grown in Louisiana as well. Plants that originate from SPW-infested areas of any state, including Louisiana, are not eligible to move into SPW-free areas. Any ornamental sweet potatoes found in Louisiana's SPW-free area that are not certified as free from SPW using the protocol below will be returned to origin or disposed of in a manner approved by LDAF.

Ornamental sweet potatoes currently propagated for sale in Louisiana's SPW-free areas will be monitored under a periodic trapping program using SPW pheromone traps. This trapping activity primarily will involve nursery growers, although some nursery stock dealers who make cuttings for propagation and sale also will need to be trapped. Plants may be offered for sale following initial trapping; however, if any SPW are trapped, all ornamental sweet potatoes at that location will be quarantined and will be subject to treatment, disposal, and/or destruction.

Louisiana nursery growers and nursery stock dealers selling ornamental sweet potatoes will not be required to obtain a Louisiana Sweet Potato Dealer's Permit but must maintain their current LDAF Nursery Grower's Permit or their Nursery Stock Dealers Permit.

Trapping protocols acceptable to certify ornamental sweet potatoes as SPW-free:

- ❖ SPW pheromone-baited traps, placed at ground or canopy level depending on the site, for a three-day duration every three weeks during the growing period, or
- ❖ SPW pheromone-baited traps deployed during the warm part of the season, during active growth, for three continuous weeks.

Again, this certification option is only available to growers located in areas considered SPW-free. Plants from SPW-infested areas are not eligible for certification trapping and cannot move into SPW-free areas.

2018 LNLA COMMITTEES As of June 2018

Administrative Review – Chris Herrmann, Ricky Becnel, Roger Steele. Meet with and discuss job performance, expectations for past year and next, and/or suggestions/requests for next year. Review should be before last Board meeting of each year, usually in Dec. Committee traditionally consists of LNLA President, Past President, and Incoming President (usually 1st VP).

Awards – Ed Bush (chair), Mike Goree, Gerritt Monk & Michael Roe. Collects nominated candidates for awards and brings to the Board for vote(if needed) and approval.

Budget – Chris Herrmann (chair), Roger Steele, Ricky Becnel, Cari Murray & Brian Bridges. Review income & expenses of previous year(s) and plans budget in January for Board approval. Committee: Current president, incoming president, treasurer, and secretary. Include past president, if available, next year.

Funding – Brian Bridges (chair), Mike Goree, Ricky Becnel & Lisa Loup. Review requests for funding/donations. This committee can award up to \$500 without full Board approval. Committee should include Treasurer and Vice-President.

IT (Internet Technology) – Lisa Loup (chair) and Tony Carter.

Investigate, recommend, and/or procure hardware and software so that LNLA will have its own computer and software, do more by email, maybe web videos, enhance web ads, and more interaction with membership. Review and make recommendations for website improvements. Evaluate website host and possible new ones.

Marketing – Tony Carter (chair), Gerritt Monk, Brian Bridges, Jerry Plauche, & Jason Stagg.

Seeks grants and ways to promote plant & landscape services sales among public. Publicize LNLA to public &/or green industry professionals. Review, determine and maintain goal of social media (Facebook and Google) for the association.

Membership – Ricky Becnel (chair), Allen Owings, Juan Garcia, Jerry Plauche & Craig Roussel.

Encourages prospective members to join LNLA through membership drives, seeking more member benefits, or other ways to be approved by the Board, especially when funding is needed. May recommend dues increases, which must be approved by Board, then membership at annual meeting. Vice-president serves as Membership chair.

Nominating – Roger Steele (chair), Mike Hoogland, Kurt Ducote, Juan Garcia & Matthew Bracy.

Recruits, recommends, and nominates members to serve as Officers and Board of Directors. Recommendations should be approved by Board before presentation to membership for election at annual meeting. Nominations may also come from floor at annual meeting. Consists of 3 regular members appointed by President.

Labor - Kurt Ducote (chair), Michael Roe & Mike Hoogland.

Investigate how LNLA can have input in the VISA program with congress. Write articles or obtain articles and pertinent information for member email blasts and quarterly newsletters.

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*These offers apply to new Cat machines and select new Cat attachments purchased by trade association members or event attendees before June 30, 2018 or when the program limit has been reached. Not valid with other offers, programs or discounts unless otherwise specified in writing. Limitations and restrictions apply.



Foundation Gala IX

Friday, June 8th was a great night at Lod Cook Alumni Center in Baton Rouge to support research and education of horticulture in the state of Louisiana. Louisiana Nursery and Landscape Foundation for Research and Education hosted it's ninth consecutive gala and no one in attendance was disappointed.

The night started out with drinks, hors d'oeuvres and lots of great mingling with old friends and new friends. LNLA members from all corners of the state came together for this annual night of fun and fundraising. Guests perused tables upon tables of fantastic silent auction items. Some even enjoyed friendly bidding wars over much coveted items.

Buddy Perino, Vice-President of the Foundation and owner of Perino's Home and Garden Center, greeted everyone as the dinner began and turned the program over to the nights emcee Michele Andre with Ball Horticulture Company. Everyone continued their visiting and conversations while enjoying a meal of delicious steak, green beans and red potatoes.

Commissioner of Agriculture, Dr. Mike Strain was in attendance and gave us an update on happenings involving the state; very informative. The Commissioner sure knows how to captivate an audience! Next up, Dr. Regina Bracy, recently retired from LSU AgCenter, spoke as our special guest speaker and reminded us all how important the Foundations mission is to the future of our industry. Research and supporting our next generation in their education and knowledge about horticulture is so valuable.

Rounding out the night, Dr. Allen Owings with Bracy's Nursery and Clegg's Nursery lead the live auction. We had some very generous donors to the live auction. LSU vs. Bama tickets, Saints vs. Eagles; it was tough to choose which items to bid on they were all so in demand.

Overall a great night was had by all and the Foundation looks forward to announcing plans for GALA X, summer 2019. I know it will be a can't miss event!

Thank you again to all of our generous donors, sponsors and attendees. If you were not able to attend and would like to make a tax deductible donation to the Foundation please contact Cari Jane at carijanelnla@gmail.com or mail your check made out to LNLFSR to 126 Bertel Dr. Covington, LA 70433.





GALA IX

June 8, 2018

Lod Cook Alumni Center, Baton Rouge

Thank you to all donors, sponsors & all who attended & bought auction items!

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The Science of Soilless Substrate

Jeb S. Fields

As a new member of the LSU AgCenter, I am taking time to learn the Louisiana Nursery and Landscape Industry, in an effort to ensure that my Extension and research program is focused on providing as much benefit to the industry as possible. I am especially invested in helping develop more sustainable and effective practices and assisting with issues associated with resource efficiency and abiotic stress. The goal for my program is to help increase both economic and environmental sustainability within the industry. As I have just started building a research focus, I feel that it would be beneficial to take time to write about one of my favorite topics to give a better background into my expertise, soilless substrate (media) hydrology and physics. One of the things I find most fascinating about soilless substrate science, is all aspects of production agriculture, plant growth and development, water and irrigation, and soil science, are brought together into a single container system. The majority of the research I have done to date has involved water conservation in container agriculture. While there are many opportunities for success in this field, I have focused primarily on how water is retained and moves within the soilless substrate and following that up with incorporating various irrigation systems to understand how soilless substrates and irrigation scheduling can work in concert to save water, fertilizer, and most importantly, money. It is important to note, that while soilless substrates are used in containers, many of our prepared landscape bed mixtures are often comprised of the same materials mixed with mineral soils.

The Container Effect

When growers first started using containers to produce plants, they noticed that the water did not drain well in mineral soil that was used to fill the containers. This phenomenon is known as the “container effect,” and is in part a result of the small particles of the soil creating a pore structure that is unable to overcome the effect of the height of the container. The relatively short height of the container (compared the depth of the soil profile) does not provide sufficient gravitational force to overcome the suction of the pore structure, inhibiting proper drainage. In an effort to counteract the “container effect,” soilless substrates were initially designed to allow for ample drainage, regardless of the volume of water that was applied. This meant that no matter the conditions, an adequate volume of air would remain within the substrate. Thus, much effort has been put forth to help growers overcome the container effect, while providing a sustainable water and air balance, and the results are countless variations of soilless substrates used in productions throughout the industry. Today, soilless substrates are often comprised of regionally available organic materials. In the Southeastern United

States, aged pine bark is the primary substrate component, due to availability, relatively low cost, and most importantly, the desirable physical properties. In a container, pine bark provides a pore structure that does not inhibit drainage. This means that the plant roots will always have sufficient airspace for healthy growth and vigor, while allowing for adequate water during and between irrigation events, under normal production circumstances.

Static Physical Properties

Historically, we have categorized soilless substrates through what we consider static physical properties, which are properties that are stable during and between irrigation events. Some commonly measured static physical properties are the maximum water holding capacity (container capacity), and minimum air filled porosity (air space). We measure maximum water and minimum air space as a balance to assess the total pore space (total porosity) of a substrate. As I mentioned previously, substrates were initially designed, with these static physical properties in mind, to be very forgiving to growers, who in the past were often not faced with similar ecological and economic issues associated with high water usage, which we face today. In fact, these static physical properties are almost exclusively used to characterize and develop soilless substrates over the years. However, substrate physicists, like myself, are now focusing more on incorporating dynamic hydraulic properties into substrate characterization. As a plant receives irrigation, the water content changes within the substrate over time. Similarly, after the irrigation event ends, the water slowly drains away over time. In addition, we know that the water within the substrate does not just move upwards and downwards throughout the profile, or in-and-out of the container. Instead, there is lateral movement and redistribution constantly occurring within the substrate, there is channeling, and both water and nutrient gradients within the profile of the container. Therefore, with increasing ecological and economic challenges facing our industry in the 21st century and beyond, it is imperative that we investigate and incorporate dynamic properties into our respective programs to increase efficiency throughout the entire growing process, as opposed to using properties that only represent real world scenarios when the substrate is at maximum water holding capacity (which rarely is achieved under normal production scenarios).

Dynamic Properties

To understand the dynamic hydraulic properties of the substrate, we must understand three major concepts: water content, water potential, and hydraulic conductivity. Water content is straightforward; this is the percent of the volume of the container occupied by water at any moment. The water content of the substrate is in constant flux with additions

(irrigation and precipitation) and subtractions (drainage, evaporation, and transpiration) constantly occurring. Water potential is a bit more complex and is comprised of various aspects, including fertility, gravity, water concentration among others. Water moves from high concentration to low concentration and water potential is essentially the relative tendency of water to move from one area to another. Finally, hydraulic conductivity is essentially how easily water can move through the substrate. These three properties are inherently entwined and any changes made to one of the properties, will directly result in changes in the other two properties. Therefore, as the water content of the substrate is constantly increasing and decreasing, the hydrology of the substrate is constantly fluctuating. So understanding the container substrate system throughout the production process is key to designing not only substrates, but irrigation and fertility systems that will work for the specific crop.

Using dynamic properties to develop soilless substrates, growers have been able to produce more sustainable container substrates, which can have a plethora of associated benefits. We can design substrates that let plants access higher proportions of the water held (available water), thus allowing fewer or lower volume irrigations. We can improve the “delivery” of water to the roots, thus allowing plant access to water from previously inaccessible spaces in the container. By ensuring that higher proportions of water are available to plant, we can reduce irrigation requirement. Plants can be grown with extremely low leaching fractions, which is the proportion of water that gets into a container and drains away. Reducing leaching not only saves water, but also reduces costs associated with fertilizer applications. Low water irrigation systems, when paired with the properly optimized substrates have been shown to not only reduce water and fertility requirements, but can also encourage increased growth rates, resulting on reaching marketability sooner.

These are just a few of the potential outcomes of incorporating dynamic hydraulic measures into substrate development. Understanding the relationship between the substrate, water, and fertilizer in a container and knowing the movement within will allow for continued beneficial improvements both economically and ecologically for our production horticulture industry. Moreover, these relationships and dynamic properties can be applied to amended and raised landscape beds, to provide similar benefits and improve plant health.

Dr. Jeb S. Fields is an Assistant Professor and Extension Specialist with the LSU AgCenter located at the Hammond Research Station. Dr. Fields' research and Extension activities generally focus on resource efficiency and abiotic stress in container crop production.

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- Alternanthera (Joseph Coat) ‘Little Ruby’
- Lantana – Bandana series
- Buddleia ‘Flutterby Tutti Frutti’
- Hibiscus – Luna series
- Torenia – Kauai series
- Gaillardia – Mesa series
- Coleus ‘Henna’
- Pennisetum ‘Fireworks’
- Salvia farinacea* ‘Evolution Violet’
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- SunPatiens (compact varieties)

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- Celosia ‘Intenz Classic’



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An Evening with Allen Owings “Celebrating 25 Years of People and Plants”



Allen Owings visits with longtime friend Neil Odenwald.



Allen Owings was joined by his brother Don and sister in law Donna from Longview, TX.



Theresa Fennell, Chris Herrmann, Buddy Perino and Tom Fennell enjoyed the festivities.



Allen Owings is joined by his rose society friends – Carolyn DeRouen, Madelyn Rawls, Linda Aguzin, Randy Wright, Kelly Texada and B J Abshire.



Gary Bachman, host of Mississippi State University's Southern Gardening, visits with Margie Jenkins, Jenkins Farm and Nursery.



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McDonald's & Fast Food

Commercial Landscape Law

Landscape laws in the form of landscape codes are part of modern day zoning law. Of our contemporary landscape laws, many landscape architects, horticulturists and contractors find landscaping of fast food establishments the most interesting of commercial developments.

Fast food restaurant pioneer McDonald's Corporation led the way in developing commercial landscaping. Ray Kroc took a hamburger, fries and milkshake concept nationwide in the mid 1950s and believed in landscaping.

McDonald's
 Hamburger-crazy kids like me remember back to the early 1960's when the 'golden arches' first appeared. I was an early customer of this company that originated in the Chicago suburbs and quickly spread to Michigan. We kids were attracted to the store's eclectic commercial slant-roofed red and white candy-striped architecture. Gee, how I miss those buildings!

Those fifteen-cent hamburgers with mustard, ketchup, pickle and chopped onion along with a twenty-cent strawberry shake and ten-cent fries were delicious. Surprisingly this 45¢ meal taste today exactly as they did then, but now cost \$3.59 plus tax! Consistency in food is a trait of McDonald's.

Also remembered from these preteen years was the cartoonish little hamburger headed character with the chef's hat, bowtie and pinstriped pants known as 'Speedee.'

The first signs tallied the total number of burgers sold nationwide. I remember when the 500,000 mark was met! That was 56 years ago! By 1963 the first million hamburgers nationwide had been sold and soon thereafter the signs stopped displaying the total number served. Today's number would be in the multi-billions served.

The first golden arches restaurants designed by Architect Stanley Meston in the early 1960's had walkup service windows and limited outside seating. By 1968 McDonald's featured enclosed walkup and ordering stations but still no interior seating. By 1975 the first drive-thru service windows were open and car culture and the interstate highway system changed the nation and the way commercial businesses were developed especially in regards to landscaping.

McDonald's & Fast Food Landscaping

Building codes in the Midwest did not stress landscaping in the 1960's. By the early 70's landscaping was introduced primarily around the business sign and along the front sides of the store as seen in the 1963 Des Plaines, Illinois McDonald's Museum Building.

Limited amounts of landscaping were introduced to the front sides of the building as part of the systematic nationwide development pattern created by Kroc.

Drive-up service moved parking around the building thus freeing up the front for attractive landscaping. Emphasis on creative landscaping gave the stores an inviting image that welcomed customers. Plants and flowers gave the stores a great neighborhood-friendly appearance that would invite families to stop in and dine often.

McDonald's leadership with popularizing landscaping as a marketing tool

can easily be seen in the Baton Rouge area. They set a high standard and every fast food franchise has followed them and many others too, including neighborhood banks, retail stores, office buildings, and now mixed-use developments.

Bill Rountree & McDonald's

In our area landscape architect Bill Rountree has designed, installed and maintained commercial landscaping for the McDonald's franchise for well over thirty years. Bill, an LSU grad is a leader and innovator in fast food restaurant landscape design and his work is recognized regionally as among the best in commercial landscaping. He is an innovator in the use of new plant materials. He visits growers both in Louisiana and the Southeast to find what they offer to designers. He is quick to adopt new species introduced by regional growers. He seeks out little-used but spectacular plants, and experiments with them across the many McDonald's restaurants in the Baton Rouge area.

Other landscape architects, horticulturists, gardeners and others notice the plants he is using and then they start to use them, too. Bill is a trend-setter in somewhat of the legacy of Ray Kroc. He brings to McDonald's an aesthetic sense as well as an environmental ethic incorporating plants not only for beauty but to provide environmental benefits associated with drainage, heat abatement and air quality improvement.

His colleagues in the Baton Rouge area often think of him as a masterful planting designer that can work with a wide range of annuals, perennials, forbs, ground covers, ferns and grasses shrubs and trees. Bill will use native plants whenever available. He prefers shrubs that require minimal pruning. Almost every one of his jobs is a study in floriferousness.

Fast Food Landscape Design

Current landscape codes found in Louisiana as well as most other states include requirements for fast food restaurants. A quick review of the codes from Shreveport, Baton Rouge, Mandeville, Kenner and New Orleans give a good snapshot of landscape regulations that apply to fast food enterprises.

Code requirements for fast food landscapes generally include street yard plantings, and vehicular use area screening. Landscaping of drive-thru service windows occurs only in Baton Rouge. Some Louisiana codes are now stressing the use of on-site storm water management control and tree preservation standards.

But McDonald's, under Rountree's creative mind, exceed the minimum requirements of most local landscape codes. The traditional landscaping position immediately in front of the store is the sweet spot of his designs. This is where he places his unique plant material that demonstrates his use of contrast in form, color, texture and height. You are likely to see in his design the use of such as *Callicarpa americana* 'Bonner's Creek', *Dryopteris ludoviciana*, *Ilex cassine* 'Perdido', *Gordlinia grandifolia* and *Viburnum rufidulum* 'Lord Byron'.

McDonalds and the design work of landscape architect Bill Rountree have pushed fast food landscaping practices in the Baton Rouge region to a much higher level of excellence. McDonald's leads the way for other types of commercial landscaping development in the state. McDonald's exceed the minimum landscape requirements as set forth in local landscape codes. The hallmark of the McDonald's restaurants in Baton Rouge reveals landscape design elegance.



My hometown McDonald's, 1962. One of the first 100 units franchised. Notice the car models 1957-1962.



Early McDonald's Landscaping 1955, Des Plaines, Illinois museum.



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PLANTS, PLANTS, and MORE PLANTS

By: Allen Owings, Horticulture Professor Emeritus (LSU AgCenter), Senior Horticulturist (Bracy's Nursery), Horticulturist (Clegg's Nursery)
(p) 225-603-8096 or (e) AOWings64@gmail.com

Our second edition of Plants, Plants and More Plant. Everyone seems to have had a great spring. We were fortunate not experience the cold weather of March and April that our friends up north had. Wholesale inventory moved, garden centers sold and landscapers planted. Here are some plant notes to contemplate.

Winning Roses – AGRS and ARTS

You all know I like roses. There are new rose trials in the United States now – American Garden Rose Selections and American Rose Trials for Sustainability. Thus far, winning roses are:

AGRS: Dee-Lish, Look-A-Likes Phloxy Baby, Thomas Affleck, Lady of Shalott, Faith Whittlesey, Munstead Wood, Icecap, Tahitian Treasure, Peachy Knock Out, Coral Knock Out and Promises.

ARTS: Forruca Courtyard, Look-A-Likes Apple Dapple, Look-A-Likes BougainFeelYa, Petaluma Cover Towne and Country, Peachy Knock Out, Icecap and Double 10.

Hydrangeas are Hydrangea-ing

Limelight hydrangeas have “stolen the show” the last 5 years or so. And, you all also know about the smaller growing version of Limelight, called Little Lime. These are great plants also and mature at 4'x4' instead of 8'x6' like Limelight does. Do not forget about Penny Mac (LSU AgCenter Louisiana Super Plant) and the other “old time” garden hydrangeas. Endless Summer is being re-invented with the current varieties (Original, Blushing Bride, Twist-n-Shout and Bloomstruck) getting some improvements along with an exciting new Endless Summer variety (Summer Crush) for 2019.

New Varieties – Southern Living Plant Collection

So many great items come to the Southern Living Plant Collection each year. Right now, I am excited about two new sweet viburnums – Sugar Cookie (a dwarf) and Coppertop (a smaller grower with copper-tone growth flushes). In addition, Juliet Cleyera, Platinum Beauty Lomandra, Roman Candles Podocarpus (Japanese Yew), Purple Daydream Loropetalum, Light Show Bottlebrush and Evergreen Stella daylily also are great plants!

All-America Selection Winners 2018

Louisiana garden centers do not take



EnduraScape Pink Bicolor Verbena



New Endless Summer Variety for 2019

advantage of promoting All-America Selections (AAS) winners. With more plants being named AAS winners each year than ever before, we need to be growing and promoting the best of these for our part of the country. Growers and retailers should consider these 2017 and 2018 flower winners – Canna South Pacific Orange, Cuphea FloriGlory Diana, Marigold Super Spry Hero, Zinnia Queeny Lime

Orange, Celosia Asian Garden, Verbena EnduraScape Pink Bicolor, Vinca Mega Bloom Orchid Halo, Vinca Mega Bloom Pink Halo and Zinnia Profusion Red. See more at <https://all-americanselections.org/>.

Always make sure your plants are “green side up”....in addition, it was a great spring so many people “wet their plants”. Until next time, “geaux greaux” something.



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WEED DOCTOR'S CORNER



By: Dr. Ron Strahan, Assistant Professor in Weed Science, LSU AgCenter
Baton Rouge, (p) 225-578-2392 or (e) rstrahan@agcenter.lsu.edu

Sedge Control in Landscape Beds

Sedges are extremely common weeds found throughout landscapes in Louisiana. The most common sedge species infesting landscape beds are purple nutsedge (*Cyperus rotundus*), yellow nutsedge (*Cyperus esculentus*), and kyllinga (*Kyllinga* spp.). Sedges can be found in nearly all soil types and growing environments but thrive on conditions found in flowerbeds. The plants upright growth habit and dark green (purple nutsedge) or pale green color (yellow nutsedge and kyllinga) make the weeds a prominent distraction in the aesthetics of high quality landscape. Although grass-like in appearance and often referred to as 'nutgrass', sedges are not grasses at all. Grasses are members of the plant family, Poaceae. In contrast, sedges are members of a totally different plant family, Cyperaceae. Sedges can be identified by their triangular stems while grass stems are flat or oval. Distinguishing between grasses and sedges is very important because successfully removing sedges in landscape beds requires selective sedge killing herbicides. Most other herbicides either have no activity or only slightly injure the weeds.

Yellow nutsedge is often confused with purple nutsedge. As their names imply, yellow nutsedge produces yellow flowers and purple nutsedge produces purple flowers. Flower color makes ID simple. But, how do you ID nutsedge when no flowers are available?

When there are no flowers, leaf tip is the most direct diagnostic characteristic to differentiate the two at very early stage. Yellow nutsedge leaf tips have a long and tapered point (spear shaped), whereas purple nutsedge leaf tips are bluntly pointed (dagger shaped). Both species produce rhizomes and tubers but purple nutsedge tubers are connected together with chains of rhizomes. Yellow nutsedge produces tubers at the end of rhizomes. If you still can't tell whether you have yellow or purple nutsedge, yellow nutsedge tubers taste like almonds. Purple nutsedge tastes bitter. So far, no one has taken me up on the "tasting tubers" method of sedge identification. Perennial kyllinga species only produce rhizomes. Sedges can differ in their susceptibility to herbicides

so distinguishing between species is critical for management decisions.

Sedge Control Options

□ Preemergence herbicides such as metolachlor (Pennant), dimethenamid (Tower) and dimethenamid + pendimethalin (Freehand) only have activity on annual sedges and yellow nutsedge. See product labels for use in bedding plant areas.

□ Halosulfuron (Sedgehammer) provides good postemergence control of purple and yellow nutsedge and suppression of kyllinga. Spray halosulfuron on sedges around established woody ornamental species in landscaped areas.

□ Sulfosulfuron (Certainty) good postemergence on most sedge species found in flowerbeds including kyllinga species. Sulfosulfuron can be applied around woody ornamentals as well as directly over-the-top of several perennial ground covers including mondograss, *Liriope muscari* 'Big Blue', *Liriope muscari* 'Variegata', jasmine and others.

□ Imazaquin (formerly Image, now called Scepter) provides good control of several sedges and may be applied over-the-top of liriope, mondograss, jasmine, and several woody shrubs (see product label). Do not apply around or over-the-top of bedding plants.

When it comes to controlling nutsedge in flowerbeds, always keep in mind that nutsedge species rank among the worst weeds in the world. Purple nutsedge is the #1 weed in the world and yellow nutsedge ranks 16th (yes, they actually rank weeds). So, rally the troops! You have a very formidable opponent. Now, let's go kill some sedges!



Yellow nutsedge is often found irrigated landscape beds



Yellow nutsedge leaf on the left versus purple nutsedge leaf on the right



Purple nutsedge produces chains of tubers making hand removal difficult



Purple nutsedge seed head

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By: Dr. Raj Singh, Assistant Professor/Diagnostic Specialist, Plant Diagnostic Center, LSU AgCenter, Baton Rouge, (p) 225-578-4562 or (e) rsingh@agcenter.lsu.edu

Armillaria Root Rot of Woody Ornamentals, Fruits and Trees

Armillaria root rot is a destructive disease of a wide variety of woody ornamentals, trees, shrubs and fruit trees. Common host plants include roses, camellias, azaleas, crape myrtles, bottle brush, jasmine (confederate), Chinese elms, oaks, pines, Leyland and Italian cypress, apples, peaches, pecans, etc. The disease is generally attributed to *Armillaria mellea*, however, several different species of *Armillaria* are capable of causing root rot. In the southeastern United States, *A. tabescens* is primarily responsible for causing the disease.

Symptoms caused by this disease are similar to those caused by other root rot pathogens. Infected plants wilt, rapidly decline and eventually die. Leaves turn yellow and defoliate. In some hosts species, entire foliage turn brown. A white fungal mycelium is usually present underneath the bark at the base of the stem and the roots, which can be easily seen by scraping of the bark. In severely infected shrubs or trees, the white mycelium extends into the crown region, and even few feet up on the trunk. Clusters of honey-colored mushrooms commonly appear at the base of infected plants or around it in fall.

Armillaria tabescens is a soil-borne fungal pathogen normally associated with hardwood forests. It may survive in the soil on infected roots for several years. Disease can be more problematic in urban landscapes that are created on previously wooded areas. The pathogen becomes active when roots from a new tree or shrub come in contact with old infected roots. The disease spreads from one plant to another through root-to-root contact or by the growth of the fungus through the soil by means of fungal structures called rhizomorphs.

There is no cure for this disease. Once a host plant is infected and the fungus is established, little can be done to save it. No chemicals are available to control this disease. However, there are culture management practices that may help to either avoid or reduce the impact of this disease. Start with disease free healthy plants. Do not plant them too deep. Completely remove and discard plants suspected to be infected with *A. tabescens*. Careful removal of the stumps and roots along with significant amount of soil from previously infected sites may help reduce the fungal inoculum. Avoid planting susceptible hosts in the same locations where infected plants were previously removed. Water thoroughly and deeply and as infrequently as possible without causing drought stress. Avoid continuous wetting of the base and crown region of the plants, which favors the growth of the fungal pathogen. Use of excessive mulch (mulch mounds) around the base of the plant should be

avoided to keep the crown region dry. Follow a proper fertilization program.

Suspected host plants infected with *A. tabescens* can be submitted to the Plant Diagnostic Center for confirmation. For more information, please visit our website: www.lsuagcenter.com/plantdiagnostics.



Figure 1: Italian cypress showing browning of entire canopy as a result of root rot caused by *Armillaria* root rot (tree on the left) (Photo Credit: Raj Singh, LSU AgCenter).



Figure 2: Bottle brush showing white fungal mycelium extended two feet up on the trunk (Photo Credit: Raj Singh, LSU AgCenter).



Figure 3: Cluster of honey-colored mushrooms produced by *Armillaria* (Photo Credit: Raj Singh, LSU AgCenter)

Taggart Morton, LLC, congratulates Charlton B. Ogden III on his selection as LNLA counsel for general legal advice and in contract and corporate law.

To commemorate this selection, Mr. Ogden would be honored to represent LNLA members on a discounted basis in contracts, civil litigation, corporate and limited liability company, property law, wills, trusts, estates and successions.



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THE BUG DOCTOR

By: Dr. Dennis Rings, Professor of Entomology, LSU AgCenter,
Baton Rouge, (p) 225-978-3881 or (e) dring@agcenter.lsu.edu

Azadirachtin

Azadirachtin is a naturally occurring chemical found in the seeds of the neem tree *Azadirachta indica*, A. Juss (Sapindales: Meliaceae). Humans have been using it as an insecticide for many years. It does not have an Insecticide Resistance Action Committee number because the mode of action is not known.

Azadirachtin is an anti-feedant, stops some insects from eating, and interferes with egg laying, molting, and mating of some insects resulting in death. It repels adults and larvae and sterilizes adults. After eating azadirachtin insects may not die for 2 to 7 days. The insect may have a life process interrupted or starve to death. It is systemic and a stomach

poison. The systemic activity is less when the pH is greater than 7, and it exhibits low water solubility. This chemical shows activity on gnats, whiteflies, flies, aphids, Japanese beetles, moth larvae, caterpillars, thrips, mealybugs, and mites, thrips. The residual activity is 7-10 days.

Azadirachtin is safe for predators, parasites and pollinators; but would be toxic to butterfly and moth larvae eating the leaves. It is not rainfast and should be applied on dry days. This chemical is considered organic. The activity of azadirachtin is best when temperatures are above 70 degrees Fahrenheit

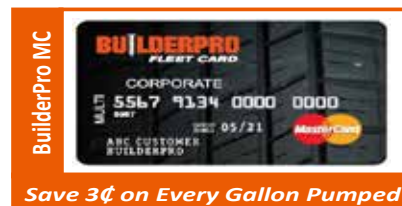


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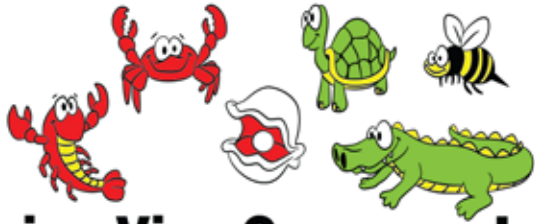


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Constructed Wetlands

We are all seeing the demand for constructed wetlands in commercial and residential landscape construction. Please don't see it as a chore that you dread, a requirement by a governmental body. Please consider: why else?

Storm water can be caught and controlled in an earthen tank. Sediment is the main pollutant in all waterways. Sediment is held and carried by running water. Still water drops its load. Captured runoff water can be metered out over time and thus mitigate flood potential. A simple recirculation pump that shoots the water into the air for oxidation does a lot to improve the quality. If that is enough, fine. Build a tank behind the facility, weed-eat it once a week, and fence it off. This is a way of storm water management but it misses another way out.

If you want to do more than just control the water; if you want to clean the water more than just the sediment; if you want to get at the nutrient loads; if you want to create a landscape attraction; you need an active constructed wetland habitat. You need to design and build a facility with places for flowering, fruiting greenery. You need a functioning ecosystem with wildlife. You need intelligent maintenance. These are the ancillary benefits that justify the apparent expenses.

Add in boardwalks and paths, a pier with a gazebo, benches, and descriptive signage and pamphlets for the people who will be drawn to your new space. The wetland will have flora and fauna to be enjoyed. Commercial clients can have the zoo people come and give programs to the kids on turtles while Mom shops at the home supply warehouse. Retired couples can walk, holding hands and watching Egrets fish every afternoon in their subdivision. You can have wildflowers, autumn color and shade. You will have the simple beauties of sparkling water and the sounds of frogs. This is an opportunity to add value to your project, not a cost item. This can be an asset, not a dread.

Two plants that work extremely well in constructed wetlands and that love wet feet are:

SWAMP TITI *Cyrilla racemiflora* and BUTTONBUSH *Cephalanthus occidentalis*

SWAMP CYRILLA or TITI *Cyrilla racemiflora* is a large, slowly-suckering shrub to small tree that throws yellow, orange to red fall color throughout the winter from the inside of the plant and has clusters of finger-like flower racemes that set fruit and persist into winter. Right now in early summer this plant is the epicenter for bees on the honey-scented showy flowers. This plant is NOT for the formal garden. It is best used as a thicket plant, for screening and for storm water management in natural form designs. Old specimens can reach 25 feet and become more tree-form.

BUTTONBUSH *Cephalanthus occidentalis* is deciduous with early summer flower balls that invite jealous butterfly territorial wars and lead to the "button" fall fruits. A large loose shrub to small tree, clump form with time. Can be pruned to clear trunk form and it holds that grooming. Grows in standing water.

The essential part of getting these plants to work for you is to create a natural basin with distinct zones in relation to water depth with proper substrate soils and then maintain it. Always include as much area in flat "shelves" in the soil profile, one just above the normal waterline and one just below it. Then select and site plants that are specific to those positions. Mix trees, shrubs and perennials at all levels.

This kind of planting is specialized; not to be bid at the last minute to the average list of landscape architects or contractors and their subsequent material suppliers. The best way is to start early and do the research to find the people who can assist you. The more time for planning and material assimilation the better!

Please develop the idea of the storm water system as a garden that will benefit the environment through physical and biological methods, and it will give the human bystanders a treat as well.

Thanks, RW

And as I will always close:

Diversity Rules.



Early summer flowers on Cyrilla



A natural swamp with Buttonbush in the center



Buttonbush in flower and the constant butterfly



Early fall color on Cyrilla



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Roger Steele/Todd Steele

Baton Rouge Landscape Association

The Baton Rouge Landscape Association's summer meeting, sponsored by Green Point Ag, is scheduled for Wednesday, June 6th, in the Conference Center at Burden's Botanic Gardens. Our speaker will be Kevin Risk, LSU Professor of Landscape Architecture. Kevin sheds a different light on design, since his teaching and research illuminates the preservation of regional cultural landscapes, emphasizing literary and historical interpretations. Our June meeting is free of charge to paid members, and \$10 to non-members. Mark your calendars for future events with BRLA:

Wednesday, September 5th, 6:30-8:30pm

Wednesday, December 5th, 6:30-8:30pm

Entreleadership One-Day live stream event – Friday, November 9th, 8am-4:30pm

For more information on BRLA and upcoming meetings and events, please email Elena Fennell (ecfennell@cox.net). Your support is greatly appreciated!

"The purpose of BRLA is to assist in the enhancement of the green industry, through best horticultural practices and business management techniques."

BREC Garden Opening



Walter Imahara, Cindy Moran, Buddy Lee, Buck Abbey and Elena Fennell recently attended the May 12th ribbon cutting for the newly renovated and expanded Independence Park Botanical Garden in Baton Rouge.

National Public Garden Day



EBR Master Gardener Ken Bosso and Allen Owings participated in National Public Garden Day and the dedication of a new Pollinator Garden at the LSU AgCenter Botanic Gardens in Baton Rouge on Friday May 11.

LNLA congratulates it's newest Certified Nursery and Landscape Professionals

- Bryan Martin, RCI in Slidell, LA
- Danny Henderson, RCI in Slidell, LA
- Edith Holland, Down South Designs in Deridder, LA
- Grant Gerald from Covington, LA
- Michael Rockhold, Guimbellot Landscaping & Nursery in Winnsboro, LA
- Robert Polk, RCI in Slidell, LA

The next CNLP review and exam will be offered July 10 & 11 at Ira Nelson Horticulture Center in Lafayette, LA. Please contact carijanelnla@gmail.com for reserving a spot.

New Orleans Horticultural Society

The New Orleans Horticultural Society is a non-profit organization that began in 1885, the second oldest of its kind in the United States. It's a place where like-minded professionals in the green industry can meet and talk about the trade and attend lectures and activities that promote all aspects of the landscape profession. The group is comprised of licensed horticulturists, florists, nurserymen, garden center owners and operators, pesticide applicators, landscape contractors and architects, arborists, and those in allied trades. Our meetings are typically held on the third Thursday of every month, unless an event or holiday alters the day. We meet at the City Park Garden Study building, which is set among the beautiful New Orleans Botanical Gardens.

The NOHS is looking to boost our membership and continue and grow as a professional organization for 2018 and beyond. We've had some outstanding guest speakers over the last few months. We've had the pleasure of hosting Kathryn 'Kiki' Fontenot, author of The Louisiana Urban Gardener speak to the group about her book and also her experiences with some fantastic varieties of

vegetables that do well here that most wouldn't expect. Also, Dr. Yen Chen, associate professor at the Hammond Research Station, gave a very informative presentation to the amazing variety and performance of numerous caladium and buddleia varieties. Most recently we had the honor of hosting Buddy Lee, the creator of the wildly popular Encore Azalea line. We had a great time listening to the story of how his passion for horticulture and for propagating plants grew into what is now one of the most popular plant brands in the industry. Many of our members are LNLA members as this is always a great opportunity to network with fellow green industry professionals and share their passion and business endeavors with other in the industry.

Meetings typically last two hours and refreshments are provided before the guest speaker takes over. Please contact us at NOHS1885@gmail.com to request to be added to our email mailing list and newsletter and to find out about upcoming events. Thank you for your continued support and we hope to see you soon!

SOUTHEAST LOUISIANA NURSERY ASSOCIATION

The Folsom Fall Garden Festival, an event designed to connect horticultural producers and their corresponding consumers, will be held on Saturday September 29, 2018 at the Midway Baptist Church Park in Folsom, LA. The festival will start at 8:30 AM and at 2:30 PM. This will be sixth year of the festival's existence and people are starting to notice. Last year over three hundred and fifty people attended. For interest in becoming a vendor contact the SELNA Secretary, Will Afton.

The SELNA Tradeshow will be held in conjunction with the LSU AgCenter's Landscape Horticulture Field Day. Both events will take place concurrently at the LSU AgCenter's Hammond Research Station on October

4, 2018. All green industry professionals are invited to attend; admission is free.

On May 19, 2018, after a two year hiatus, SELNA held a crawfish boil for current members. Dub and Nancy Jenkins graciously donated the crawfish and provided their home as the venue. Over 30 members joined together to reminisce old times, complain about the weather, and to pass a good time. Thank you to Dub and Nancy for hosting the event and providing the food.

For information on how to become a member of SELNA or to get a digital copy of the Plant Locator book please visit our website at <http://www.SELNA.org>. Will Afton can be reached at 985.875.2635 or WAfton@agcenter.lsu.edu.



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

BRLA: Elena Fennell, Secretary, (e) ecfennell@cox.net, (p) 225-921-4095

CLNA: Myra Poole Maloney, President, 75 Nick Strange Road, LeCompte, LA 71346, (p) 318-321-6046, (e) myra-maloney41@gmail.com

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

NOHS: Shaun Hebert (e) nohs1885@gmail.com

SELNA: Annie Coco, SELNA Secretary, 11050 Hwy. 441, Amite, LA 70422 (p) 985-748-4301, (e) anniecoco400@gmail.com



The Voice of Louisiana Agriculture

Legislative Update

By Brian Breaux – Louisiana Farm Bureau

While infighting has slowed consideration of many pieces of legislation in Congress, issues impacting agriculture have really been heating up. On May 18, the U.S. House of Representatives voted 213 to 198 in opposition to the House Farm Bill. All Democrats and 30 Republicans voted against the House Farm Bill. However, there were big differences on why each side opposed the House Farm Bill. The Democrats voted against because the House Farm Bill because it contained work training requirements for “able bodied adults” to retain their SNAP benefits, possibly impacting over 3.5 million adults currently receiving SNAP.

The 30 Republicans voted against the Farm Bill to keep the Farm Bill from passing in order to get a vote on Immigration. To resolve the dispute on immigration and keep the House Farm Bill alive, Speaker of the House Paul Ryan changed his vote on the Farm Bill and voted in opposition in a procedural maneuver that allows him to request reconsideration and re-vote the Farm Bill. House floor time has been allocated to re-vote the Farm Bill by June 22.

On June 13, the Senate Agriculture Committee voted 20 – 1 in favor of the Senate Farm Bill. The Senate Farm Bill may be less controversial since it does not contain the House SNAP work requirements. The Senate Farm Bill is now headed to the full Senate for consideration.

As you read this, you may question, as nurserymen, why should we care about what happens to the Farm Bill and Immigration?

Here’s a few reasons why. First, USDA-NRCS - EQIP conservation project funding comes through the Farm Bill. Nursery crop conservation projects are eligible for EQIP funding after going through a ranking criterion to determine qualifying conservation projects eligible to apply for EQIP. Drainage Projects, Grassed Waterways, Integrated Pest Management, Irrigation Pipelines, Composting Facilities, Nutrient Management, Residue and Tillage Management,

Roof Runoff Management, Subsurface Drainage and High Tunnel System Greenhouses are all examples of nursery conservation projects that may be partially paid for using EQIP cost-share funding.

Another reason is labor. While several immigration proposals do not benefit agriculture, House Judiciary Committee Chairman Bob Goodlatte’s “Ag Act” contains a DACA fix for those children illegally brought across the border into the U.S. and a new H-2C Visa Program that would provide longer term foreign H-2C Visa workers for seasonal and year-round agriculture and agricultural processing including landscaping. The H-2C Visa Program would be a “Miracle Gift” to landscapers who have had trouble getting in their H-2B Visa workers because the H-2B Visa cap (66,000) is hit before they can get in their H-2B Visa workers.

Chairman Goodlatte’s “Ag Act” is the darling for many in agriculture since the H-2C Visa Program would provide new 24-month visas for seasonal jobs and new eligibility for a 36-month Visa for year-round agriculture such as dairy, poultry and livestock and agricultural processing. Undocumented workers employed in U.S. agriculture for 180 days during the previous 2 years are eligible to enroll in H-2C. The downsides to the Ag Act is the 450,000 annual H-2C Visa cap, the requirement that H-2C workers must obtain health insurance within 21 days of arrival and that H-2C Visa’s do not apply to H-2C worker families. Note: H-2A, H-2B workers and undocumented employed in agriculture are exempt from the cap.

Several immigration bills being discussed in the U.S. House of Representatives have no agricultural component. One bill only provides amnesty for DACA individuals and a Border Wall. Speaker of the House Paul Ryan has agreed to vote on 2 immigration reform proposals but it is unclear whether the Ag Act will be one of the bills voted upon. Therefore, agriculture has a lot riding on what version of immigration reform is considered so stay tuned!!

LOUISIANA IRRIGATION ASSOCIATION

NLAE Annual Conference In New Orleans

I had the fortunate opportunity to attend the Nursery and Landscape Association of North America's Annual Conference held in downtown New Orleans, LA this past April.

I've been a member of this organization since 2006 and have found it to be extremely beneficial as it relates to running a non-profit corporation like LIA. I'm a horticulturist by training and not formally trained in non-profit management. So I've learned a great deal from this organization that has helped me run LIA like a corporation.

In all the years I've been a member, this is only the third conference I've attended mainly because of the cost. Since LIA is paying for my expenses, I try not to spend too much money traveling to conferences. I have to say though this conference was very beneficial.

Of the seven presentations two were very beneficial to me. One was a panel discussion led by John Farner from the Irrigation Association and covering crisis management and communications. One of the panelist in discussing crisis management mentioned how important it is to have written Board Policies. In other words have written statements of the Board's position on certain topics. LIA did not have any written Board Position policies. So in the April Board Meeting I brought up the issue and consequently wrote three policies I felt would be good Board position policies. We'll discuss these

at the October Board Meeting and vote on them. If passed, we'll bring up the policies to the general membership at the Annual Meeting and ask for their vote. If passed, these will be the first three Board Policies of which more may follow.

The second topic of interest was how to create the home page on the LIA website to make it easy to navigate and to not have it look cluttered. I will meet with Bill Prudhomme, our webmaster, to see if our home page could be easier to navigate.

Make plans to attend the Annual Meeting on October 25, 2018. We'll have recertification training in the morning covering The Two Wire System with Chris Friedman with Irrigation Mart and Wes Gauthier with Rain Bird Corporation presenting the program. And recertification training will be in the afternoon covering Electrical Troubleshooting presented by Mike Goree. The Annual Meeting will be during Lunch with Cap Note Speaker Dr. Mike Strain, Commissioner of LDAF. Also, we'll discuss some potential Board policies and of course Election of Officers. If you don't need recertification, you may attend the Annual Meeting Luncheon at no cost BUT please let me know ahead of time. We will have to limit Recertification training to 60 people to avoid overcrowding and of those 60 who are not Members, they will have to leave the room and eat in another part of the restaurant to make room for Members who wish to attend the meeting.

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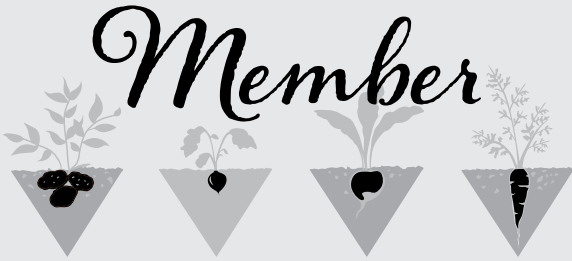
Green June Beetle article caption correction from LNLA Volume 61



Adult Japanese beetle, Pest and Diseases Image Library, Bugwood.org



Adult green June beetle, Natasha Wright, Florida Department of Agriculture and Consumer Services, Bugwood.org



RECIPES



Anytime Butter Pound Cake

- 3 cups plain flour
- 3 cups sugar
- 5 eggs
- 1 cup milk
- 3 sticks butter
- 1/4 tsp mace

Mix butter (real butter taste best), eggs and sugar. Add eggs one at a time. Add milk, flour and mace; again mix well after each addition. Grease and flour your bunt pan (we have learned Baker's Joy spray works best). Start cake in a cold oven at 325 degrees for 1 hour and 20 minutes. Serve with any kind of fruit or just by itself.

This has been a staple dessert at any and all functions for our family for generations!

Enjoy!
Cari Jane Murray
LNLA Executive Secretary

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Foundation Gala IX



Dear LNLA Member,

On behalf of Grow Simple and LNLA, I would like to thank you for the opportunity to discuss becoming your electronic payments processing provider.

Grow Simple is an elite, Louisiana based, Financial Technology (FinTech) company whose people are focused on simplifying technologies and procedures in order to help businesses grow. Of course, Grow Simple gives businesses the ability to accept credit card payments, by whatever means they choose to accept them. However, we are so much more than simply a card processor. We provide tailored solutions for processing, point of sale systems, cash flow management, and more. As a result, grow simple will accelerate a merchant's journey to drive his/her business through simplifying the complex world of financial technology, offering exceptional customer service, and taking his/her goals personally, along the way.

With over 45 years of combined experience in the Financial Technology industry, the people at Grow Simple has the required expertise and passion to serve as valuable advocates for LNLA members. Grow Simple's stated mission's to create transparency on behalf of our customers where the rest of the industry purposely creates complexity in order to take advantage of their customers.

Following are a few advantages that position us very well to support your business growth:

- Culture Differentiator - As an organization, we want to understand your key drivers and truly assess your business. By understanding what success looks like to you, we can develop the support for your core business. At Grow Simple, our goal is to see your business flourish.
- Vertical Expertise - When it comes to payments processing, Grow Simple is the expert within the nursery and landscaping space. In addition, with our dedicated subject matter experts serving as your sales representatives, we have all the knowledge and vision you need to run a successful business.
- Pricing - We offer two transparent and simplified pricing programs, available exclusively to members, that will dramatically reduce cost for LNLA members.

Respectfully,
Jonathan Durbin

The graphic features a large green shape on the left containing the word "SAVE" in white. To its right is a large white ampersand "&". Further right, the word "GROW" is written in a large, grey, sans-serif font. Below the "SAVE &" text is the logo for the Louisiana Nursery & Landscape Association, which includes a stylized green map of Louisiana with a sunburst behind it and the text "Louisiana Nursery & Landscape ASSOCIATION". To the right of this is the logo for Grow Simple, which consists of a grey circle containing a bar chart with four bars of increasing height, and the text "grow simple" in a lowercase, green, sans-serif font below it.

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June Cover Photo Contest Entries



*Submitted by Taylor Brown with
Greenleaf Nursery Buxus
Baby Jade08*



*Submitted by Buddy Perino with
Perino's Home & Gardens*



Submitted by Dan Davenport



*Submitted by Eddie Martin
with Martin's Nursery,
Redubeckia Tiger Eye*



*Submitted by Todd Morrow with
Jack Rabbitt Nursery*



*Submitted by Shelley Midura with
Your Happy Gardens*



*Submitted by Glenn Stokes
with Stokes Nursery*



*Submitted by Glenn Stokes with
Stokes Nursery 2*



*Submitted by Todd Morrow with
Jack Rabbitt Nursery 2*



**Louisiana
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ASSOCIATION

126 Bertel Drive
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To: Louisiana Green Industry Professionals
Re: Certified Nursery & Landscape Professional Exams (CNLP) – **2018**

The Louisiana Nursery and Landscape Association has scheduled the certified nursery and landscape professional manual review and exams for 2018. The schedule is as follows:

July 10-11 Ira Nelson Horticulture Center, ULL, Lafayette
Additional Review and Exam Date and Location to be determined for the 4th quarter ...

Manual reviews will be held on Tuesday from 9:00 a.m. - 4:30 p.m. and Wednesday from 9:00 a.m. - 12:00 noon. The exam will be given at about 1:00 p.m. on Wednesday; 3 hours are allowed for the full exam. There are five sections to the exam:

- Section 1** - Plant Classification, Growth and Development
- Section 2** - Understanding Pests and Their Control
- Section 3** - Culture of Nursery Stock in Retail Yards
- Section 4** - Landscape Contracting, Tree and Turf Management
- Section 5** - Plant Identification

Primarily, persons in the retail garden center and landscape contracting/maintenance areas of the ‘Green Industry’ participate; however the course is also recommended for wholesale growers, irrigation contractors and Master Gardeners. The CNLP was established to provide a professional educational opportunity for ‘Green Industry’ professionals. The manual review is also excellent preparation for the Louisiana Department of Agriculture and Forestry’s landscape horticulturist license exam. An LDAF license or permit is required to be in various landscape & nursery related businesses in Louisiana; the CNLP is not required. The certification is not a license. Call LDAF Horticulture Commission at 225-952-8102 or your nearest LDAF regional office to schedule the license exam.

Dan Gill, LSU AgCenter horticulturist, is the primary instructor for the manual review/training session. It is recommended that participants acquire and read the manual, The Louisiana Manual for the Environmental Horticultural Industry, before attending the CNLP review. Participants can then ask questions on the content of the manual during the review. A highlighter and pen, as well as the manual, are highly recommended to be brought to the review with each participant; this allows marking of items which will be included on the exam. The manual is not included in the fee for the review &/or exam.

Please contact me, by phone (985)237-2939, or email carijanelnla@gmail.com, if you have any questions in regard to this year’s certified nursery and landscape professional programs.

Sincerely,

Cari Jane Murray
LNLA Executive Secretary



Certified Nursery & Landscape Professional Manual Review and Exam - 2018

July 10-11
 Ira Nelson Horticulture Center
 University of LA at Lafayette
 2206 Johnson St.
 Lafayette, LA 70503

Begins at
 9am daily

Register for the Manual Review and Exam by selecting the appropriate location above:

Business Name _____

Address _____

City, State, Zip _____

Phone/Email (P) _____ (E) _____

Registration & Manual Fees:	Participant Name(s) & Section(s):	Fees
\$175 per person for review and full exam.	_____	_____
\$20 per section(s) re-taken by each person.	_____	_____
* Please specify re-take section(s) if known.	_____	_____
Sec #1- Plant Classification, Growth & Development	_____	_____
Sec #2- Understanding Pests and Their Control	_____	_____
Sec #3- Culture of Nursery Stock in Retail Yards	_____	_____
Sec #4- Landscape Contracting, Tree & Turf Mgt.	_____	_____
Sec #5- Plant Identification	_____	_____
\$75 per person for manual review <u>only</u> (no exam) in preparation for the LDAF license test or professional training.	_____	_____
	\$60 x _____ @ Manual =	\$ _____
\$60 per copy for “Louisiana Manual for the Environmental Horticulture Industry, the suggested manual for this course (not already included in registration fees above).	Shipping & Handling \$5 x _____ @ Manual =	+ S/H \$ _____

Make check or money order payable to:
 Louisiana Nursery & Landscape Association

Mail check to:
 Louisiana Nursery & Landscape Association
 126 Bertel Drive
 Covington, LA 70433

Total \$ _____
Check # _____
Date _____

For further information contact:
 Cari Jane Murray, LNLA Executive Secretary, (C) 985-237-2939, (E) carijanelnla@gmail.com

Revised March 6, 2018

Minutes of the LNLA BOARD OF DIRECTORS MEETING

Wednesday, April 25, 2018 – 10:00 am

Louisiana Department of Agriculture & Forestry, Baton Rouge

The Louisiana Nursery & Landscape Association Board met on Wednesday, April 25, 2018, at the Louisiana Department of Agriculture & Forestry Building in Baton Rouge, LA. Total attendance was 25 people.

Board Members Attending: Chris Herrmann, Ricky Becnel, Kurt Ducote, Juan Garcia, Pat Newman, Jerry Plauche, Roger Steele, Lisa Loup, Brian Bridges, Mike Hoogland, Tony Carter, Gerritt Monk, Michael Roe, Craig Roussel, and Ed Bush

Absent: Dan Gill, Mike Goree

Quorum is 7 voting members; 12 present; quorum established.

Guests/Staff: Paul Wilson, Cari Jane Murray, Tina Peltier, Ansel Rankins, Brian Breaux, Allen Fabre, Jeb Fields, Jeff Kuehny, Jeff Ried, and Eric Johnson

Chris welcomed everyone and all stood to say the pledge of allegiance to the American flag. Chris thanked everyone for donating their time. Chris reminded everyone that most of the discussion should be taken care of in committee so we can move right along. The first order was the conflict of interest policy. Everyone read over it and signed.

Chris then brought everyone's attention to the minutes of the last two meetings in Mobile on January 18th and 19th. Kurt Ducote motioned to accept the minutes and Mike Hoogland second. All were in favor and motion passed. Chris also pointed out the copied of the amendments to the articles and bylaws that were voted on and passed at the annual meeting in everyone's meeting packet (for your records).

Labor Committee Report – Kurt Ducote introduced Jeff Ried with Integrity Lawn Service in Baton Rouge. Jeff came to fill the board in on the latest of H2B. Back in January there was a spur of the moment grassroots movement at which LNLA donated \$500 for this meeting to help with video production and refreshments. There were about 130 in the meeting working together to get their visa workers for 2018. 12 folks from LA went to Washington in Feb to meet with congressmen. 66K workers were passed in the omnibus spending bill and now congress is sitting on it. We are in a wait and see and in survival mode. LNLA has signed on support to coalition letters to DHS and DOL from the Lighthouse Partners, our lobbyists with American Hort.

Brian Breaux filled in saying the secretary of Labor has authorization to release and they just aren't doing it. Brian gave information about H2C and the Ag Act. Problems with H2C cap include at 410,000 are for Ag and the worker having to get health insurance.

Financial Report - Chris Herrmann wanted to let everyone know that he asked Ms. Pat Newman to step down from Treasurer at this time and appoint Brian Bridges as Treasurer. Chris motioned for the board to accept his appointment. Roger Steele second the motion and decision. All were in favor and motion passed. Brian Bridges will need to be added to the LNLA checking account, money market and savings account (all at Regions) as a signer immediately. Cari Jane will need to be added to the savings account that is only in Ms. Pat Newman's name right now. And all contact info and addresses will need to be changed to the LNLA office; 126 Bertel Drive, Covington, LA 70433.

Pat Newman reported that the total assets for LNLA as of now are \$155K. Pat moved \$88K to a Regions savings account. It is up to the board to decide what they would like to do with these monies. We secured \$35K from GSHE 2018. Expenses we have right now are \$5000 to Allen Owings Retirement Party and \$3000 for gun from Ricky Becnel. We also have to pay for the first quarter newsletter. Donations to the foundation this year will be \$3000 and the additional \$2000 we usually send goes to Allen's event.

Roger Steele motioned to leave all the money

(\$88K) in the savings account at Regions Ms. Pat established. Second by Kurt Ducote. There was discussion and everyone was in favor. Motion passed. Signature cards for these accounts need to include Brian Bridges and Cari Jane Murray.

LDAF Update - Ansel Rankins reported it's been a busy year for their agency. They are actively working this situation. House Bill 563 was pulled by Rep Emerson it was proposed to eliminate the Landscape Hort License. Florist license is still up for elimination and will be in the Senate Ag on April 11 (that is HB 561). Lethal Yellowing survey done in Baton Rouge; several areas where palms are infected and a few areas in New Orleans. Home owners need to get those trees out immediately. Citrus Green is now in 5 parishes. State and Federal quarantines will be determined here in the near future. State issued phyto and boxwood cleaning program is required to ship to TN, we have about 6 nurseries that are signed on in Louisiana. Southern Plant board meeting is coming up in May and LDAF will be participating; the meeting will be in Charleston, SC.

LSU AgCenter - Dr. Jeb Fields introduced himself as the new Commercial Horticulturist for the LSU AgCenter. He started in January and is currently working his way to meet everyone. The Hammond station hosted the Margie Jenkins lecture series in April with about 75 industry members in attendance. Goal was to bridge the gap between landscape architects and contractors. Use your parish agents more, that's their job. Fall field day will be Thursday Oct 4th at the Hammond Station. Jason Stagg went to the pac trials in California and will be glad to share information and what he learned. Jason also secured a few new breeding companies to trial with Hammond from these trials. National All American Selection tour will stop at Hammond in October. Jeb is in charge of LA Super Plant program and is wanting to invigorate the program and the committee. Jeb submitted a grant for a full industry economic analysis and hopes to get that. Jeb would like an advisory committee and would like for the LNLA board to have input in what Jeb needs to be doing for the industry; he wants our input on what will help us as the industry the most. LNLA will give Jeb about 10 minutes on the agenda at each meeting to get the info he needs.

Funding Committee – Brian Bridges gave an update. This year we have done a few things. Sam's club membership card for Cari Jane, FFA sponsorship \$1000 for 2 events; competitions, and \$5000 to Allen Owings Retirement party; \$3000 from sponsorship budget and \$2000 from Foundation budget. Pocket Guide from LSU AgCenter \$1500 commitment, this has been put on hold for now, Yan Chen will give us more information about this soon. BRLA asked for \$100 from LNLA to sponsor an Enteleadership event in October.

Marketing Committee - Tony Carter let everyone know the marketing committee meet and discussed the LNLA raffle for GSHE 2019. It was discussed that we would raffle a 4wheeler this year and we believe we can secure some sponsorships from some of our vendors and have the cost covered. Our goal would be to clear \$10,000 for research and education and other programs in LNLA. Tony has a few connections to get a very good price on the 4wheeler. Tony made a motion purchase the gift certificate right now for \$8000 for the 4wheeler for 2019 GSHE raffle. Second by Roger Steele. No nays. Motion passes. Ricky Becnel amends the motion to spend up to \$9000. Second by Mike Hoogland; all were in favor and motion passed.

LSU AgCenter Botanic Gardens at Burden Center - Dr. Jeff Kuehny gave the board a brief update and history of the Botanical Gardens at Burden. We look forward to a continued relationship with our friends at Burden.

LFBF Update - Brian Breaux updated the board on

ELDs and other legislative issues.

Grow Simple Now (Credit Card Clearing) - Eric Johnson was a guest at the meeting letting us know about what his company has to offer LNLA and our membership. If you would like more information please ask Cari Jane.

IT Committee / Website - Lisa Loup reported that the It is doing research on programs to make the website better and will bring research reports to the board for the next meeting.

Membership Committee - Ricky Becnel reminded the board about our membership promotion drive to combine the first quarter newsletter and directory and have a letter in the publication that will be sent out to 3665 members and potential members. This should be in mailboxes by Monday, April 30 ... a little later than we had hoped but will still be a great publication. This is our first attempt to reach out to others outside of membership ... we will see what these efforts return for us.

What is it going to take to get the younger generation want to give back and be a part? How do we make ourselves so important that people want to be with us?

Nominating Committee – Roger Steele had nothing to report at this time but encouraged everyone if they know of anyone interest in serving to let us know.

Ricky Becnel made a motion that while you are serving on the LNLA board you cannot be nominated for an award until your time has been served. Gerritt Monk second. All in favor, motion passes.

CNLP Update – Cari Jane reported that the February CNLP class in Hammond had 43 participants, 30 of which took the exam and 23 passed all sections. The next CNLP will be at Ira Nelson Hort Center in Lafayette July 10th and 11th with Dan Gill giving the review. Dan and Cari Jane have discussed having a 3rd CNLP review and exam in the Fall of 2018 and that is yet to be determined. LNLA needs to decide how we will move forward with the video before the next meeting.

GSHE Report - Ms. Pat Newman reported that she has served on the LNLA board for nearly 20 years. She has served this board with every elected office and served as chairman of 2 committees. Ms. Pat has served on the GSHE executive board for 12 years. Ms. Pat has always been on the floor helping with move in and move out at GSHE for LA. She did a lot for GSHE and for LNLA!

LNLA will be in charge of GSHE move in and move out for GSHE 2019.

LNLSR Update – Pat Newman reported that the Foundation Gala IX will be Friday June 8, 2018 at the Lod Cook Alumni Center, Baton Rouge 6:30 – 9:30. We encourage all LNLA board members and regular members to attend this fun time. Cari Jane asked all board members to consider helping with a donation item for the event either to the silent auction or the live auction.

New Business

LNLA has decided to have a booth at the TNLA in San Antonio this year. Roger Steele will take booth materials and all those in attendance will help with set up and representing LNLA.

Chris Herrmann asked all nonvoting board members to excuse themselves at this time so there could be a "Review of LNLA Staff". A motion was made to relieve Paul Wilson of his duties with a 30 day severance. Motion passed with one nay. A second motion was made to give Cari Jane Murray as executive secretary an increase in compensation. All in favor; motion passed.

LNLA's next board meeting will be July 25th at Prejans Restaurant in Lafayette. Adjourned at 2:40pm.



2018 Membership Application

First Name: _____ Last Name: _____

Company Name: _____

Mailing Address: _____

City, State, Zip: _____

Phone1: _____ Phone2: _____ Tollfree: _____

FAX: _____ Email: _____

Website: _____

Referred By: _____

MEMBERSHIP CATEGORIES (select one) and Business Types (select all that apply – up to 5)

REGULAR MEMBER (Voting) - \$ Based on gross sales per year (below)

A licensed or permitted business or person (**in Louisiana only**) engaged in one or more of the business types listed in box at right -- **Please select no more than 5.**

Dues	Annual Gross Sales	→
<input type="checkbox"/> \$100.00	\$0 - \$249,999	
<input type="checkbox"/> \$150.00	\$250,000 or more	

ASSOCIATE MEMBER (Non-Voting) - \$150.00 – includes out-of-state businesses

In Louisiana - Wholesale Allied Supplies (AS) A business/person selling any non-plant item such as chemicals, containers, equipment, fertilizer, garden décor or furniture, insurance, mulch, soil, stones, etc. Product(s) sold: _____

Out-of-State -- State: _____ -- **Please select no more than 5.** →

AFFILIATE MEMBER (Non-Voting) – \$25.00

An employee of any horticulture business with a paid regular membership -- **Please select no more than 5.** →

GOVERNMENT/EDUCATION MEMBER (Non-Voting) – \$25.00

An employee of a government or non-profit entity, having a job responsibility in horticulture or closely related field

- College or University Education/Extension/Research (**U**)
- Educational/Regulatory Government Agency (**GV**)
- Public Gardens or Parks (**PG**)

RETIREE MEMBER (Non-Voting) (R) – \$25.00 - Any person formerly actively employed in horticulture or closely related field and having been a paid member of LNLA before retirement from that employment.

STUDENT MEMBER (Non-Voting) (S) – FREE - Full time student enrolled in a Louisiana university/college in horticulture or a closely related field. University/College name & location (city): _____

The ***Business Type** designation is used in LNLA's membership directory and website. Check each that applies - up to 5.

- Arborist/Urban Forester (**A**)
- Horticultural Consultant (**HC**)
- Interior Plant Maintenance (**IM**)
- Irrigation Contractor (**IR**)
- Landscape Contractor (**LC**)
- Landscape Design/Architect (**LA**)
- Landscape/Lawn Maintenance (**LM**)
- Plant Broker (**BR**)
- Retail Nursery / Garden Center (**GC**)
- Small Greenhouse/Field Grower (**SG**) -grow/sell direct to consumers
- Sod/Turf Producer (**T**)
- Wholesale Allied Supplies (**AS**)
- Wholesale Greenhouse Grower (**WG**) -bedding/ tropical plants
- Wholesale Field Grower (**WF**) -balled/container woody plants, perennials

PLEASE INDICATE YOUR PREFERENCE TO RECEIVE NEWSLETTERS: Email only Mail only Both email and mail

OPTIONAL: Members wishing to support the **Louisiana Nursery & Landscape Foundation for Scholarship & Research (LNLFSR)** fund for scholarships to deserving university/college horticulture/landscape students and grants for horticulture/landscape research/education should indicate amount and add the \$\$ to their dues check. This donation is tax deductible. **Donation Amount \$** _____

Make check payable to: **Louisiana Nursery & Landscape Association**

Mail check and entire form to: **LNLA, 126 Bertel Drive, Covington, LA 70433**

SEND DUES & APPLICATION BY MARCH 1 TO BE IN ANNUAL MEMBER DIRECTORY **TOTAL Amount: \$** _____



Let us keep you covered!

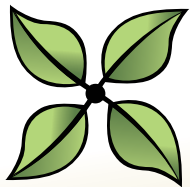


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The advertisement features a background image of a large, two-story house with a red-tiled roof and a prominent arched doorway. In the foreground, there are lush green bushes and vibrant pink roses. A small tag with the Bracy's Nursery logo is visible on one of the roses.

The logo is an oval-shaped emblem with a yellow background and a dark border. It depicts a tractor pulling a trailer loaded with potted plants. Below the illustration, the text "BRACY'S" is written in a large, bold, serif font, and "NURSERY, LLC" is written in a smaller, sans-serif font below it.

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