Summer 2018

Photo submitted by Frances D. Hutson with Biedenharn Museum and Gardens in Monroe, LA
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cherrmann@cleggsnursery.com
225-292-0821
Clegg’s Nursery #2, LLC
5696 Siegen Ln, Baton Rouge, LA 70809
cell:504-289-0949

Director (2019) – Tony Carter
lpstonyc@gmail.com & lpstina@gmail.com
504-912-2488
Langridge Plant Sales, 14655 Hwy 23
Belle Chasse, LA 70037

Director (2019) – Michael Roe
michael@windmillnurseryllc.com
504-210-6684
Windmill Nursery
PO Box 400, Folsom, LA 70437

Director (2020) – Mike Hoogland
mike@hooglands.net
318-208-1057
Hoogland’s Landscape
2713 Viking Drive, Bossier City, LA 71111

Director (2020) – Juan Garcia
juan@cpnsy.com
318-715-6458
Country Pines Nursery, Inc.
PO Box 99, Forest Hill, LA 71430

Director (2020) – Lisa Loup
amklnd@aol.com
504-913-8272
AMK Landscape Services, Inc.
850 Newman Ave., Jefferson, LA 70121

Director (2020) – Gerritt Monk
gmonk@plantceaux.com
318-446-2020
Monk Farm
353 N Black Top Extension, Oakdale, LA 71463

Director (Associate, 2019) - Craig Roussel
croussel@agcenter.lsu.edu
225-963-0139

Director of Research & Education – Ed Bush
ebush@agcenter.lsu.edu
225-247-3184

Director of Training – Dan Gill
dgill@agcenter.lsu.edu

Director of Training – Dan Gill
dgill@agcenter.lsu.edu

1st Vice-President – Ricky Becnel
rickybecnel@gmail.com
504-656-7535
Saxon Becnel & Sons, LLC,
13949 Hwy 23, Belle Chasse, LA 70037
cell 504-432-3007

Director (2019) - Michael Roe
michael@windmillnurseryllc.com
504-210-6684
Windmill Nursery
PO Box 400, Folsom, LA 70437

Director (2020) – Kurt Ducote
ducotestrees@yahoo.com
225-229-7113
Ducote’s Tree Farm
4521 Wye Rd., Lakeland, LA 70752

directors & Officers

2nd Vice President – Kurt Ducote
ducotestrees@yahoo.com
225-229-7113
Ducote’s Tree Farm
4521 Wye Rd., Lakeland, LA 70752

Director (2020) – Juan Garcia
juan@cpnsy.com
318-715-6458
Country Pines Nursery, Inc.
PO Box 99, Forest Hill, LA 71430

Past President – Roger Steele
latreefarm@bellsouth.net
318-346-1822
Louisiana Tree Farm, Inc.
148 Tanglewood Dr., Bunkie, LA 71322
318-729-8969

Director (2020) – Lisa Loup
amklnd@aol.com
504-913-8272
AMK Landscape Services, Inc.
850 Newman Ave., Jefferson, LA 70121

Director (2019) – Mike Goree
mike@michaelsnursery.com
318-613-9505
Michael’s Nursery
PO Box 1067, Glenmora, LA 71433

Director (2019) – Jerry Plauche
barrysnsy@atvci.net
337-255-8585
Barry’s Wholesale Nursery, LLC
PO Box 390, Grand Coteau, LA 70541

Treasurer – Brian Bridges
brianbridges@bwicompanies.com
318-623-9158
BWI Co., Inc.
PO Box 610, Forest Hill, LA 71430

Executive Secretary – Cari Jane Murray
carjanelnla@gmail.com
cell 985-237-2939
126 Bertel Drive
Covington, LA 70433

Director (2019) – Jerry Plauche
barrysnsy@atvci.net
337-255-8585
Barry’s Wholesale Nursery, LLC
PO Box 390, Grand Coteau, LA 70541
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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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.

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.


**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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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
LNLA’s Newest Members
Don’t forget to add this page to your complete list of LNLA Membership in the last issue.

AKIN’S NURSERY, INC.
Cook, Foster
PO Box 5155
Shreveport, LA 71135-5155
(318) 869-2701,(318) 865-0574
www.akinnsnursery.com
Business Type: GC, LC

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

HORTICULTURAL CONSULTANTS, INC.
Stephenson, Grant
PO Box 596
Spicewood, TX 78669
(713) 656-7256
glis@chicagol.com
www.chicagol.com
Business Type: HC, BR, WG, WF

G & M LAWN SERVICES, LLC
Henderson, Miles
138 Pleasant Valley Drive
Des Allemands, LA 70030
(985) 817-9923
thegreenri17@gmail.com
Business Type: LC

MULCH MANUFACTURING, INC.
Roth, Tina
6747 Taylor Road S.W.
Reynoldburg, 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, (318) 508-4111
bbritt@brittfootice.com
www.jamshinhillsfarm.com
Business Type: GC

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: LC

D & C LANDSCAPING
Cain, Dillon
67212 Cain Lane
Kentwood, LA 70444
(985) 474-6224, (985) 748-7720
hitecredneck83@yahoo.com
Business Type: LG, LCM

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

GARDENS BY LAJARDINIERE
Deberporto, Emma
PO Box 266
Grand Coteau, LA 70541-0266
(225) 761-0008, (225) 761-0008
andreadreadhome@cox.net
Business Type: IL, LCM

PENNINGTON LAWN & LANDSCAPE
Pennington, Andred
12614 Heversham Avenue
Baton Rouge, LA 70810
(225) 761-0008, (225) 761-0008
andred@rwnaf.org
Business Type: IL, LCM

R. W. NORTON ART GALLERY
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20550 North Frontage Road
Iowa, LA 70647
(337) 304-6304, (337) 582-1258
troy@stsla.net
www.stsla.net
Business Type: LC, CM

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7890 Shirley Francis Road
Shreveport, LA 71129
(318) 218-4719, (318) 338-5391
ken@rwnaf.org
www.rwnaf.org
Business Type: PG

THE QUAGLINO LANDSCAPE
Cain, Dillon
67212 Cain Lane
Kentwood, LA 70444
(985) 474-6224, (985) 748-7720
hitecredneck83@yahoo.com
Business Type: LG, LCM

PENNINGTON LAWN & LANDSCAPE
Pennington, Michael
12614 Heversham Avenue
Baton Rouge, LA 70810
(225) 761-0008, (225) 761-0008
michael@penningtonlawnbr.com
Business Type: IL, LCM

SPORTS TURF SPECIALISTS, LLC
Romero, Troy D.
20550 North Frontage Road
Iowa, LA 70647
(337) 304-6304, (337) 582-1258
troy@stsla.net
www.stsla.net
Business Type: LC, CM

THOMPSONS WHOLESALE NURSERY
Thompson, Glemia
318-748-6306, 318-748-6510
hawkinsnursery@gmail.com
Business Type: SG, WF

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Rootree, William K.
1525 Rosemont Drive
Baton Rouge, LA 70808-1348
(225) 924-4099, (225) 324-5511, (225) 924-4099
rotreertree@bellsouth.net
Business Type: HC

BENGE LANDSCAPE, LLC
Benge, Sr., Tom
1613 Highway 39
Braithwaite, LA 70040
(504) 583-0106
tom.benge@gmail.com
Business Type: LG, LC

CUTBEE TREE EXPERTS
Esquerre, Chris
610-321-4696
Jefferson, LA 70121
504-488-9115, 504-488-9177
cesquerre@bartlett.com
www.bartlett.com
Business Type: A

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

U. S. LAWS OF BATON ROUGE
Carruth, Jamie
3185 Balis Drive Suite 111
Baton Rouge, LA 70808
(225) 921-1635, (225) 933-2975
jamie.carruth@uslaws.com
www.uslaws.com/team33
Business Type: LG, LCM

GARDENS BY LAJARDINIERE
Deberporto, Emma
PO Box 266
Grand Coteau, LA 70541-0266
(225) 761-0008, (225) 761-0008
andreadreadhome@cox.net
Business Type: IL, LCM

PENNINGTON LAWN & LANDSCAPE
Pennington, Andred
12614 Heversham Avenue
Baton Rouge, LA 70810
(225) 761-0008, (225) 761-0008
andred@rwnaf.org
Business Type: IL, LCM

PENNINGTON LAWN & LANDSCAPE
Pennington, Michael
12614 Heversham Avenue
Baton Rouge, LA 70810
(225) 761-0008, (225) 761-0008
michael@penningtonlawnbr.com
Business Type: IL, LCM

SPORTS TURF SPECIALISTS, LLC
Romero, Troy D.
20550 North Frontage Road
Iowa, LA 70647
(337) 304-6304, (337) 582-1258
troy@stsla.net
www.stsla.net
Business Type: LC, CM

THOMPSONS WHOLESALE NURSERY
Thompson, Glemia
7890 Shirley Francis Road
Shreveport, LA 71129
(318) 218-4719, (318) 338-5391
ken@rwnaf.org
www.rwnaf.org
Business Type: PG

THE QUAGLINO LANDSCAPE
Cain, Dillon
67212 Cain Lane
Kentwood, LA 70444
(985) 474-6224, (985) 748-7720
hitecredneck83@yahoo.com
Business Type: LG, LCM

PENNINGTON LAWN & LANDSCAPE
Pennington, Michael
12614 Heversham Avenue
Baton Rouge, LA 70810
(225) 761-0008, (225) 761-0008
michael@penningtonlawnbr.com
Business Type: IL, LCM

R. W. NORTON ART GALLERY
Dehart, Kip
4747 Creswell Avenue
Shreveport, LA 71106
(318) 865-4201, (318) 869-0435
kip@rwnaf.org
www.rwnaf.org
Business Type: PG

THOMPSONS WHOLESALE NURSERY
Thompson, Glemia
7890 Shirley Francis Road
Shreveport, LA 71129
(318) 218-4719, (318) 338-5391
ken@rwnaf.org
www.rwnaf.org
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THE QUAGLINO LANDSCAPE
Quaglini, Angelo
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(985) 373-9139
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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 – Chis 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 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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For more information, visit: officediscounts.org/lnla
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 night's 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 Foundation's 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!
Thanks to you, funds are available to award scholarships to deserving Louisiana horticulture college students, and to support ornamental horticulture research.

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Yan Chen
We start with a certified seed and finish with a premium citrus tree.
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.
PAST WINNERS

WARM-SEASON BEDDING PLANTS

Angelonia – Serena series
Angelonia – ‘Seronita Raspberry’
Begonia – BabyWing series
Cleome ‘Seronita Rosalita’
Pentas – Butterfly series
Alternanthera (Joseph Coat) ‘Little Ruby’
Lantana – Bandana series
Buddleia ‘Flutterby Tutti Frutti’
Hibiscus – Luna series
Torenia – Kauai series
Gaillardia – Mesa series
Colesus ‘Henna’
Pennisetum ‘Fireworks’
Salvia farinacea ‘Evolution Violet’
Salvia farinacea ‘Evolution White’
Verbena ‘Homestead Purple’
SunPatiens (compact varieties)

COOL-SEASON BEDDING PLANTS

Columbine – Swan series
Dianthus – Amazon series
Foxglove – Camelot series
Kale ‘Redbor’
Viola – Sorbet series
Delphinium ‘Diamonds Blue’
Petunia ‘Supertura Vista Bubblegum’

SHRUBS

Camellia ‘Shishi Gashira’
Camellia ‘Leslie Ann’
Azalea ‘Conversation Piece’
Gardenia ‘Frostproof’
Hydrangea ‘Penny Mac’
Rose ‘Belinda’s Dream’
Althea (Rose of Sharon) ‘Aphrodite’
Rose – Drift series
Viburnum ‘Mrs. Schiller’s Delight’
Blueberries – Rabbits-eye Varieties
Virginia Willow ‘Henry’s Garnet’

TREES

Evergreen Sweetbay Magnolia
Southern Sugar Maple
Willow Oak
Vitex (Chaste Tree) ‘Shoal Creek’

2018 WINNERS

Hydrangea paniculata ‘Limelight’
Southern Magnolia ‘Little Gem’
Celosia ‘Intenz Classic’

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An Evening with Allen Owings
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Allen Owings visits with longtime friend Neil Odenwald.

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.

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

Gary Bachman, host of Mississippi State University’s Southern Gardening, visits with Margie Jenkins, Jenkins Farm and Nursery.
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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 1960s 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 designs the use of such as Callicarpa americana ‘Bonner’s Creek’, Dryopteris ludoviciania, Ilex cassine ‘Peridio’, Cordellia grandifolia and Viburnum rufidulum ‘Lord Byron’.

McDonald’s 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.
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Our second edition of Plants, Plants and More Plant. Everyone seems to have had a great spring. We were fortunate not to 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:


**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 Bloomsstruck) 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 advantage of promoting All-America Selections (AAS) winners. With more plants being named AAS winners each year then 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-americaselections.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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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 monoggrass, 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, monoggrass, 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!
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THE PLANT DOCTOR

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.
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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to discuss your project needs.
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.
Supplying the South with quality field grown ornamentals since 1978.

Specializing in Crape Myrtle, Wax Ligustrum, Hollies & Windmill Palm

148 Tanglewood Drive • Bunkie, LA 71322
318-346-1822 (P) | (318) 346-6638 (F)
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.

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.

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.
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!

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.
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!!
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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Visit naturessourceplantfood.com for current Terms & Conditions of Sale.

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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
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
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
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, Red’sbeckia 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
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 cari.janelnla@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:

<table>
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<tr>
<th>Business Name</th>
<th>Address</th>
<th>City, State, Zip</th>
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### Registration & Manual Fees:

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<th>Fees Description</th>
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<td><strong>$175 per person</strong> for review and full exam.</td>
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<td><strong>$20 per section(s) re-taken by each person.</strong></td>
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| * 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 Mgmt.  
  Sec #5: Plant Identification | | |
| **$75 per person** for manual review only (no exam) in preparation for the LDAF license test or professional training. | | |
| **$60 per copy for "Louisiana Manual for the Environmental Horticulture Industry," the suggested manual for this course (not already included in registration fees above).** | $60 x ____ | $ ____ + S/H $ ____ |

Shipping & Handling $5 x ____ @ Manual =

### Make check or money order payable to:

Louisiana Nursery & Landscape Association

### Mail check to:

Louisiana Nursery & Landscape Association  
126 Bertel Drive  
Covington, LA 70433

### For further information contact:

Cari Jane Murray, LNLA Executive Secretary, (C) 985-237-2939, (E) carijanelna@gmail.com

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*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 Pelletter, 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 Baton Rouge on March 15th. Motion 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 H28. 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 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.

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.

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. 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 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.

GSHE Report – Ms. Pat Newman reported that she has served on the 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 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.

LNLFSR 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.

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.

Eric 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.

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.

LNLA’s next board meeting will be July 25th at Prejeans 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
  ☐ $100.00 $0 - $249,999
  ☐ $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 LNL before retirement from that employment.

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

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 $5 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: $ __________
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