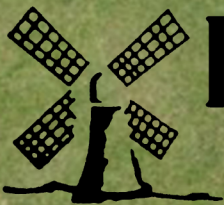




LOUISIANA Nursery & Landscape NEWS

LNLA Quarterly Newsletter | Volume 66 | April / May / June 2019

Summer 2019



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Congratulations to our newest Certified Nursery and Landscape Professionals

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GEORGIA WILLIAMS - Jefferson

JAMES PERRY - Carencro

JENNIFER McGIMSEY - Shreveport

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NICK MARINELLO - New Orleans

A WORD *FROM OUR* PRESIDENT

Hello everyone,

Wow! Can you believe that another quarter of a year is in the books. I hope by now everyone has sold out and replenished and is now on a month's vacation. Then unfortunately the alarm clock rings at 5:00am to bring us back to the reality that we have no vacations in our industry, haha!

Getting down to business, our membership is up to 525 members. I would like to congratulate our newest members and welcome them into our family of professionals. I feel our family will also grow with the exciting possibility of a hospitalization plan to be offered through our association. I hope everyone has filled out their post card to give us the feedback we need and we will keep you all posted on the progress.

I hope everyone had a chance to attend the gala as a great time was had by all. As always feel free to reach out to me at any time, and may God bless everyone over these summer months.

Ricky Becnel, LNLA President

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In Memory

Lorraine Ann Billeaud

1962 - 2019

Lafayette - Lorraine passed away at her home on June 12, 2019, surrounded by her family.

Lorraine was born and raised in Lafayette, to Robert Earle and Tuttie Billeaud, and graduated from Cathedral Carmel in 1980. Her passion for nature and agriculture began at an early age, while growing up on her parents' cattle and dairy farm. Lorraine attended LSU and the University of Hawaii at Manoa, graduating from USL in 1985 with degrees in Horticulture and Business. Lorraine then earned her Master's degree in Landscape Horticulture from Texas A&M University.

Lorraine was a lifelong student and leader in the horticulture community. She received the USL Senior Award upon graduation from the College of Agriculture and Home Economics, and was chosen as a Who's Who in American Colleges and Universities. In 1985, she earned the Ira Nelson Scholarship, which is awarded to top horticulture students in Louisiana. She was Chairman of the USL Agriculture Student Council, President of the USL Horticulture Club, and Chancellor of the Alpha Zeta Agriculture Honor Society at USL.

Lorraine's first job was Horticulture Supervisor at Lou Ana Foods, where she developed the Wildflower Research Program and put her thesis on "mulchology" into practice. When the owner passed away the program was discontinued, so Lorraine started her own business in her parents' backyard in the early 90s. Since then, she owned and operated Billeaud Horticulture Services, designing the landscape for countless homes and businesses throughout Lafayette.

She remained active in the community throughout her life, as a member of the Louisiana Society for Horticulture Research, the Louisiana Nursery and Landscape Association, and the UL Horticulture Club. She was a member of Les Deux Douzaines, of which her mother is a founding member, and the Krewe of Camelot. She was also a supporter of the Louisiana Festival des Fleurs and was active in the Ascension Episcopal School community, which was very dear to her heart.

Lorraine led a full life, with boundless energy for new adventures, a passion for helping others, and a sense of humor that brightened every room. She was a devoted mother, sister, daughter, aunt, and friend. Lorraine loved to travel, but her very favorite destination was Cypremort Point, where she spent immeasurable time with her family and friends throughout her life.

She is survived by her beloved daughters, Lillian René Broussard and Estelle Louise

Broussard; her mother, Lucille 'Tuttie' Thomas Billeaud; her sister, Teal Billeaud Brauns and her husband Larry; her two brothers, Buddy Billeaud and his wife Claire, and Tommy Billeaud and his wife Janet; her nieces, Jessica and Mary Margaret Billeaud, Anne-Marie Mouton, Natalie and Ana Brauns; her nephews, Thomas and Robert Billeaud; her great nieces and nephews, Isabel Simon, Isaac and Ian Mouton.

She was preceded in death by her father, Robert Earle Billeaud Sr.; her paternal grandparents, Mr. & Mrs. C.B. 'Curley' Billeaud; and her maternal grandparents, Mr. & Mrs. R.L. Thomas Sr.

Sidney Milton Steele

December 10, 1927 - March 29, 2019

Sidney Milton "Big Sid" Steele passed away on March 29, 2019 at his home surrounded by his family. Born December 10, 1927 in Oxford, La his family moved to Bunkie, LA when he was 5 years old. He was a graduate of Bunkie High School and joined the U.S. Army after high school, serving in the 82nd Airborne Division during WWII. After the war, he attended and graduated from LSU where he was a 3 year letterman on the track team.

In 1950, he married the love of his life, Barbara Lemoine, and they worked together to raise six children and operate 'Steele's Florist and Jewelry' in Bunkie for over forty years. Sid was an avid outdoorsman who will be remembered for his time spent in the duck blind whenever a cold front blew through or at Grand Isle whenever the trout or red snapper were biting and the shrimp were running.

He was preceded in death by Barbara Lemoine Steele, his wife of 62 years; his parents, Edwin Norman and Esther Washburn Steele; his brother, E.N. "Buddy" Steele and his sister, Janet Steele Borne.

His spirit lives on through his six children, John Sidney Steele of Houston, TX; Dr. Paul Joseph Steele and wife, Diane, of Cheyenne, WY; Lily Marie Steele of Lafayette, LA; Roger Norman Steele and wife, Wendy, of Bunkie, LA; Todd Lemoine Steele and wife, Jill, of Bunkie, LA and Kimberly Steele Douglas and husband, Brad, of McKinney, TX; nine grandchildren, Dexter Steele, Thomas Steele, Davis Steele, Andrew Steele, Sydney Steele, Bradley Steele Douglas, Cooper Taylor Thompson, Ellie Douglas and Justin Kraft and 1 great grandchild.

Diane Griffith Hoogland

1937-2019

Ruston, LA - Diane was born in Shreveport, LA on July 9, 1937 and passed away on April 5, 2019 after a lengthy illness. She was 81 years old. She lived most of her adult life in Ruston, LA and was a member of Trinity United Methodist

Church where she served as a Sunday School Teacher, a Vacation Bible School Leader, and was on the Education Board. She was a long time member of the gospel Sunday School Class and the Two by Two Sunday School Class. She was preceded in death by her daughter, Cynthia Lee Hoogland, her parents, Mr. and Mrs. Jay Griffith, and her sister, Gayle Griffith Holtzinger.

She was a loving mother, grandmother, teacher, and friend. Her survivors include sons: Mike and his wife Valerie and David and his wife Kellye; five grandchildren: John Hoogland, Caroline Hoogland, Hunter Hoogland, Jay Hoogland, and Will Hoogland; brother-in-law Paul Holtzinger; niece Dr. Cathy Stallworth and husband Bob; great niece Meghan Stallworth; great nephew Parker Stallworth; nephews Phillip and Jay Robichaux; and special sisters and brothers Don Hoogland, Jim and Dorothy Hoogland, Jane and Tom McDermott, and their families.

Diane was a member of the Dixie Center for the Arts Board of Directors, The Lincoln Parish Museum and Historical Society Board of Directors, The Junior Guild, and Regional Vice President of the Louisiana Jaycee Jaynes. Diane taught for many years at Cedar Creek School where she touched many young lives. She initiated the First White House Dinner for Third and Fourth Grade Students in North Louisiana, sponsored an Elementary Mime Troupe who entertained at other schools in the Ruston area, and published a Final Fame book containing her students' creative writings at the end of every school year. She was chosen as the Outstanding Elementary Teacher by the Cedar Creek 4-H Club in 1984. She represented Cedar Creek School on the Southern Association of Schools evaluation team to evaluate the Bossier Parish Schools.

John A. "Doc" Cox II

John A. "Doc" Cox II, of Independence, Louisiana, passed away at his home on Monday, June 10, 2019, at the age of 72. He was born on August 16, 1946, in Baton Rouge, Louisiana, the son of the late John Andrew Cox and Frances Letitia Cazedessus Cox. Doc was a U.S. Army veteran during the Vietnam War. He was an avid duck hunter and loved to fish. Doc is the husband of retired LSU AgCenter research associate (horticulture) Peggy Cox – long time LNLA member. Peggy and Doc regularly attended horticulture events across the state and region over the past 25 years. Memorial donations may be made to the LSU AgCenter Botanic Gardens Development Fund, LSU Foundation, 3796 Nicholson Dr., Baton Rouge, LA 70802.

UPCOMING EVENTS

July 24, 2019 - LNLA Board Meeting - Prejean's Restaurant, Lafayette, LA

August 8-10, 2019 - Texas Nursery and Landscape Trade Show - San Antonio, TX

August 23, 2019 - LSU AgCenter Hammond Research Station Field Day

September 19, 2019 - SELNA Trade Show - 9-2 at LSU AgCenter Hammond Research Station, contact Will Afton at WAfton@agcenter.lsu.edu for more info.

September 27, 2019 - St. Tammany Master Gardener's Fall Gardening Seminar with guest speaker P. Allen Smith at Church of the King in Mandeville, LA. For more information visit www.stmastergardener.org/event

September 28, 2019 - 7th Annual Folsom Fall Garden Festival, contact Will Afton at WAfton@agcenter.lsu.edu for more info.

October 12-16, 2019 - IPPS (International Plant Propagators' Society) - Baton Rouge, LA

October 23, 2019 - LNLA Board Meeting - LSU AgCenter Hammond Research Station

December 4, 2019 - LNLA Board Meeting - Mike Anderson's Restaurant, Baton Rouge, LA

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,

The second quarter has been busy busy for the LNLA office. We had 25 attend the Certified Nursery and Landscape Professional manual review at Ira Nelson Horticulture Center on June 6 & 7. We are super grateful to Dr. Jeb Fields and Jason Stagg with the LSU AgCenter Hammond Research Station for taking time out of their busy schedules to teach the class. CNLP is a great manual review for those studying to take the state Landscape Horticulture license exam or for employees needing a little more direction on what this industry is really all about. CNLP exam retakes will be given in Hammond in the next few weeks. Contact me if you are interested in retaking a portion of the exam. We are also considering offering another manual review later this Fall. Let me know as well if you are interested or have employees interested in attending.

Thank you for filling out the member benefits surveys and getting them back to me. There is still time to send yours in if you would like. The more information we gather the greater the possibility for something really great to come out of this. If you have other member benefits you would like for us to look into please do not hesitate to ask. What benefits one of us will ultimately benefit us!

The 10th anniversary Gala for the Foundation (LNLFSR) was so much fun! New Orleans and City Park did not disappoint! The venue was beautiful and the food was incredible! We managed to raise a little money for horticulture research and education and have a ball doing it! Thank you to all the sponsors and donors, this event would not be possible without you! Thank you to Lt. Governor Billy Nungesser, Commissioner Strain and their wives for coming to our event. I have to admit I was a little star struck I guess the first few times I met the Commissioner but I realize now he is one of us and on our side! As is the Lt. Governor! That's what LNLA is all about; leadership, connecting and networking ... using our resources to better ourselves, our products, our companies and our industry. I highly suggest not missing Gala XI in 2020!

As always, if there is anything LNLA can do for you please do not hesitate to call or email! Stay cool out there!

Thanks!

Cari Jane Murray
LNLA and LNLFSR Executive Secretary

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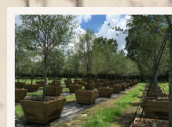
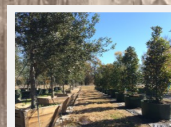
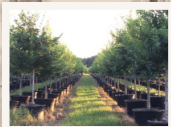
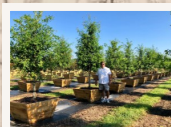
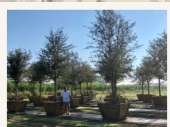
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FROM THE COVER

Hoogland's Landscape, Irrigation and Maintenance is a 4th generation company that was started in Shreveport, LA in the 1950's by Jasper Griffith, (Mike's grandfather). Griffiths was a retail nursery and landscape company that operated on East 70th Street before the days of Jimmy Davis Bridge. Back in those days landscaping was much more about horticulture and basic needs. Camellias, old time azaleas and nandina were the primary plants used. Mike's father Fred Hoogland was a student at LA Tech studying civil engineering when he met Diane Griffith. They were married in college and Fred worked that first summer for his father-in-law, and liked the business so much he changed his major to horticulture. After graduating he went to work in Shreveport for Griffith Nursery. Three years later in 1962 he moved back to his hometown of Ruston and went to work at the only nursery there. After 2 years Fred bought out the owner and started Hoogland's Nursery and Garden Center. The garden center stayed in operation through the 80's when Fred went to visit a friend in North Bossier. Fred was overwhelmed by the new growth in the area and with Mike Hoogland his oldest son's impending graduation with a degree in landscape design it was decided that a new location should be started in North Bossier. This new location with 7 employees opened in 1983 was a retail Nursery with a small landscape department. With Mike's skills in design and the growth of the city the landscape division grew. In 1988 Hoogland's

moved to a 5 acre site to expand and grow the business. The company was seeing a consistent growth in the landscape side and by the 90's Hoogland's began to see a change in consumers shopping habits. With the continued growth in the landscape business Mike Hoogland decided to close the retail portion of the business in 1996. The landscape business was growing at a rapid rate and the industry was changing and what was needed from Hoogland's was change. Mike decided landscape construction and design build was the future. By the early 2000's and through today Hoogland's has 60 to 70 employees, running 18-20 crews. His landscape design business was now thought of as cutting edge work they produced. The term hardscape really began to take shape at this time and he felt he would be a leader in the industry at this type of work. We have a motto here at Hoogland's "If you can dream it, we can build it".

Another dynamic of change was the need to care for all the wonderful projects they were doing. Horticulture care of landscape maintenance as we call it was an area of need and growth. People were investing so much into their properties from commercial to residential and they needed to be maintained. Professional care was now a big part of Hoogland's. We have three separate divisions of business to service all the needs to be a full company-landscape contracting, landscaping and lawn maintenance and irrigation installation and service.

With the housing boom in the mid 2000's

and with the economy of our area, Hoogland's has grown to service the needs in our industry. This is a business where service is paramount and doing what you say and backing up your work quality is the most important item.

Hoogland's has three full time landscape designers, project managers, operation managers, a full office staff and knowledgeable foreman that all assist in both landscape and maintenance to work with you.

Mike said, with this team we have had a chance to build, design and maintain some of the most beautiful projects and properties in North Louisiana. What makes this work so unique is creating something from scratch and leaving behind a beautiful project for years to com. That is what really drives us. I am old enough now to look at my career and realize how well it suits me. The outdoors and nature are my passion in and outside of work. For me getting people outside to enjoy their yards, pools or camp houses for personal relaxation or to entertain family and friends is my biggest source of pride. Mike Hoogland says our growth and success would not be possible if not for my very loyal customer base and my talented staff. Our family has now been in business for 68 years and it appears it will keep going. Mike's oldest son, John Hoogland has now been with the company for 3 years and is the Operations Manager of the Landscape & Irrigation division. Mark Salmon is our General Manager and runs the Landscape Maintenance Division.



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2019 PLANTS WITH POTENTIAL

With so many new cultivars of ornamental plants arriving on the market each year, it's easy to overlook or even forget about older or underutilized plants that offer the same show-stopping performance. That's why horticulturalists at the LSU AgCenter's Hammond Research Station created the Plants with Potential program. 2019 marks the fifth year of this effort, and five deserving plants (described below) were featured in this year's selections. Some wholesale nurseries and greenhouse production divisions in Louisiana already have certain selections from prior years in production, so don't miss out! If you are interested in obtaining any of these plants to try, please contact Jason Stagg. All Plants with Potential selections are not patented or trademarked, so they are free from any propagation restrictions.

1. *Cestrum parqui* – 'Butterscotch' Cestrum –

SOLANACEAE – A great companion to 'Orange Peel' cestrum (introduced as a Plant with Potential a few years ago). 'Butterscotch' offers finer, lighter yellow tubular flower clusters that attract many hummingbirds and butterflies. A root-hardy large tropical shrub, this plant will easily reach 5' tall and 5' wide, but can get 8' tall in milder winters. Blooms from late spring to fall. Deer-resistant leaves. Best performance in full sun. Prefers good drainage. Easily propagated by cuttings, but hard to find in the trade. Can be a deciduous shrub in warmer parts of Zones 8 and 9, but may die back to the ground during cold winters.

2. *Dicliptera suberecta* – Hummingbird Plant –

ACANTHACEAE – (Uruguayan Firecracker Plant, Hummingbird Bush) – Fuzzy, soft gray-green or silver-green leaves draw people to this plant which behaves like a low shrub or slowly spreading groundcover. Root hardy to at least Zone 8, this unusual perennial plant is covered in beautiful, dark orange tubular flowers that attract masses of butterflies and hummingbirds from summer through fall. Can be grown in full or part sun, and loves the heat. Drought tolerant once established, but seems to endure the heavy rainfall of Louisiana. Usually grows 18" to 24" tall. Easily propagated by cuttings. Available from sources such as Almost Eden Nursery and Southwest Perennials.

3. *Pseudogynoxys chenopodioides* – Mexican Flame Vine

ASTERACEAE – This fast-growing vine is generally treated as an annual, although it may over-winter in Zone 9. The leaves are dark green and arrow-head shaped. A trellis or other vertical frame is needed to support this plant to show off its striking dark orange aster/daisy-like flowers. Will bloom spring to fall. Bees and butterflies love this plant! Very easy to propagate by cuttings and seeds. Seems to like Louisiana's wet weather and heat. Can be grown in full or part sun. Available from sources such as Almost Eden Nursery and Southwest Perennials.



Butterscotch Cestrum

4. *Salvia farinacea* – 'Augusta Duelberg'

LAMIACEAE – It seems that white is one of the most requested flower colors for landscaping these days, and it's difficult to find a white salvia that can take Louisiana's heavy rainfall and high humidity. Look no further than another wonderful Greg Grant plant introduction from Texas – 'Augusta Duelberg' salvia! It can reach 24" – 36" tall and is a vigorous bloomer from spring through first frost. Excellent pollinator attractor. Plant in full sun. Perennial most years in Zones 8 and 9, and is easily propagated by cuttings. Usually available from sources such as Almost Eden Nursery and Southwest Perennials.

5. *Salvia leucantha* – Mexican Bush Sage

LAMIACEAE – We are always on the lookout for salvias that can tolerate Louisiana's rain and humidity, and *Salvia leucantha* varieties seem just as durable as *S. farinacea* varieties. The plants are larger and have stems that appear woodier than *S. farinacea*, with gray-green leaves that are quite narrow. Flowers appear in long spikes. The common variety here is bicolor – white and purple, with the actual flower being white and the calyx being purple. Best grown in full sun as an annual, but can occasionally over-winter in Zones 8b and 9. Great pollinator attractor. Grows into a nice shrub form up to 3' – 4' tall and 3' – 4' wide. Blooms summer through fall. Propagated by cuttings. There are quite a few cultivars in the trade, but this salvia should be used more frequently in Louisiana landscapes.

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Cleome 'Senorita Rosalita'
Coleus 'Henna'
Gaillardia – Mesa series
Hibiscus – Luna series
Lantana – Bandana series
Pennisetum 'Fireworks'
Pentas – Butterfly series
Salvia farinacea 'Evolution Violet'
Salvia farinacea 'Evolution White'
SunPatiens (compact varieties)
Torenia – Kauai series
Verbena 'Homestead Purple'

COOL-SEASON BEDDING PLANTS

Columbine – Swan series
Delphinium 'Diamonds Blue'
Dianthus – Amazon series
Foxglove – Camelot series
Kale 'Redbor'
Petunia 'Supertunia Vista Bubbegum'
Viola – Sorbet series

SHRUBS

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

TREES

Evergreen Sweetbay Magnolia
Southern Magnolia 'Little Gem'
Southern Sugar Maple
Vitex (Chaste Tree) 'Shoal Creek'
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2019 SELECTIONS

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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

Summer is here and we are all adjusting to the irregular performance this spring season. Weather resulted in reduced garden center sales and the landscape season did not kick off with a bang due to the same issues. Here are some points to ponder....

Home Improvements

73% of households will invest in home improvement projects in 2019 according to the HomeStream Home Improvement Survey (Harris Poll). This is a major increase of 26% since 2018. Those investing will spend an average of \$9,000 but the number of households planning to spend \$25,000 or more almost doubled (up 83%).

Here's a look at the most popular projects:

Outdoor - 41%, Bathroom - 37%, Kitchen - 31%, Home Repair - 29%, Garage - 10%, Pool - 7%

Position your business to take advantage of consumers desiring outdoor and landscape project efforts in 2019!

Some New Vitex

First Editions® Blue Puffball™ PP# 26775

This is a new dwarf variety from the First Editions program at Bailey Nurseries. Perfect for containers or the landscape. 4-5 feet tall in the South. Flowers June-July into September.

First Editions® Delta Blues™ PP# 25914

Delta Blues™ is the first intermediate Vitex in the market. It is not nearly as coarse as other Vitex with a compact, rounded to upright growth habit. It has fragrant, dark bluish-purple flowers that attract butterflies and other pollinators. The foliage is dark green, fragrant and more refined than other selections. Delta

Blues adapts to acid or alkaline soils as long as the site is well-drained. It is also salt tolerant. First Edition Plants from Bailey Nurseries. These are excellent growers and mature at 50-66% the size of "Shoal Creek" with more of a "really truer blue" flower

First Editions® Flip Side™ PPAF

The unique Flip Side™ is cloaked in 8-inch panicles of fragrant, deep purple flowers. It's also a strong rebloomer. Flip Side™ got its name because the greyish olive-green leaves are dusky purple on the lower surface. This is a very cool plant for warmer regions. This vitex is an improved hybrid of the passalong Vitex purpurea (which is used some in zones 8b and 9). Much improved cold tolerance extends the use of the Vitex purpurea characteristics into zone 7.

Summer Pests and Diseases

Be on the lookout for pests and disease issues this summer! Aphids are out and about. Azalea lace bugs are on azaleas. Lantana lace bugs are on lantanas. Be aware that daylily rust was bad this spring due to the rainy conditions. Commercial ornamental and turfgrass applicators – talk to your customers about implementing a fire ant management program on maintained properties. Could be an "add on service" for you. Check with the LSU AgCenter for the newest information on Virginia buttonweed and chamberbitter control – two tough summer weeds that are plaguing our landscapes.

Keep greaux-ing and horticulture-ing.....friend me on Facebook for daily horticulture (along with eating and LSU sports).

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Regional Design-LYN

Louisiana's Unique Landscapes

Garden design has a very long and storied history. Over time those who study gardens see characteristics that are very similar. Often these themes can be traced to culture, location or environment or some combination of the three. These themes give specific types of gardens their inherent character.

Norman Newton (1971), eminent Harvard scholar, traces garden design back to ancient times. He follows the development of gardens through the middle ages, Islam, Spain, Italy, France, England and even to Andrew Jackson Downing's and Frederick Law Olmsted's early work in America. Each of these periods and the region in which they were designed, left endurable marks on landscape design. Therefore we have garden design traditions that are said to represent regional landscapes and designing landscapes with a regional theme is something worth doing. Designers find that climate, soils, and vegetation play a major role in differentiating regional landscape design. But it is also the work of the landscape architect to bring regional landscape design to the forefront.

Now Louisiana is different. We are different in both culture, and environment and our location on the Gulf of Mexico, adjacent to one of America's greatest river and its riverine swamps make this location special.

But it is these regional differences that makes garden design in our area unique.

Louisiana gardens should be different than those found in San Francisco, Boston or Miami. But why? Obviously for the simple reason stated above that our culture, location and environment is different.

Sustainable Design

In recent years there has been renewed effort toward defining regional design. Experts tend to agree that well designed landscapes must be capable of sustaining themselves while expressing regional differences. Perhaps the best tool we have to help us design local landscapes that meet this criteria is to follow guidelines set forth in the Louisiana Yards & Neighborhood Program (LYN) created and supported by the LSU AgCenter.

This subscription free program sets forth several principles that contain sustainable practices for planting design, landscape construction, and maintenance that work for both residential as well as institutional design. Parameters are provided in LYN to gauge that degree of sustainability being created within the a design. These are measurable in regard to environmental effect as well as emblematic of successful regional design. Let's examine some of the suggested parameters that may be used to input sustainability into our regional based landscape designs.

Regional Design Parameters

Landscapes might be designed according to the eco-regions of Louisiana. These are defined by the EPA but in effect portray the regional physical character of the state from the Shreveport

Tertiary Uplands to the Gulf Coast Flatwoods in the Mandeville-Slidell area. Other regional variations exist in other areas of the State and New Orleans and the downriver area is special since it falls in USDA Hardiness Zone 10a (30°-35°) making this location the most subtropical of our region.

It is important to design regionally significant landscapes in coastal plains, grasslands savannah's (flatwoods), rolling hills, uplands, riverine, delta, prairie, alluvial valleys and terrace escarpments.

Regional Design Practices

Here are some regional design suggestions that will assist you in developing more appropriate design for Louisiana.

- Designers should use more native plants and limit the use of non-natives to no more than 30% of the plant schedule. A balance should be maintained between deciduous and evergreen plants particularly in the middle parishes of the state. Seek diversity of vegetation and habitat by allowing no single species of plant to dominate more than 10% of the site plan.
- Mowed grass should be minimized in favor of long grasses, low shrubs and spreading ground covers.

Other practices are associated with managing stormwater, preventing erosion and protecting natural habitat are regionally significant. These practices include.

Reduce stormwater runoff by managing 10% on-site and use vegetative swales top direct run off through a filtering system to an on-site detention system.

Harvest roof top and parking lot runoff and pass through an irrigation system onto turf grass areas.

- Intercept non-point pollutants that originate on development sites.
- Stabilize edges of fresh water bodies with filter strips.
- Reduce the use of potable water in irrigation and eliminate excess water waste.

And finally, use better practices to prevent agricultural chemical wastage and damage to healthy soils.

- Better manage site clearing operations, save significant trees in no-build zones, and stock pile top soil for reuse. Use natural mulches and compost to strengthen soil profiles.

Preserve native habitat on site to husband urban wildlife, pollination, and native plant species.

- Use integrated pest management strategies, other than poisoning, to manage invasive and exotic pests, reduce the use of inorganic chemicals and compounds.
- In addition landscape plans might show

locations for composting and where mulching-in-place can be accommodated to ensure that no green waste is sent to a land fill.

These are all reasonable sustainable landscaping practices that should be part of each LA's design vocabulary.

Cite the use of LYN Design Guidelines on all professional design documents. All of this will improve our regional design capability.



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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

Flubendiamide

Flubendiamide was developed by Nihon Nohyaku Co. Ltd. and is classified in group 28 by the insecticide resistance action committee and is a ryanodine receptor modulator. Ryanodine receptors are important in the release of calcium from cells into the cytoplasm. Flubendiamide works on the ryanodine receptors in muscles causing calcium channels to remain partially open. Calcium flow is uncontrolled in muscle cells and calcium levels in the muscle cells are depleted resulting in contraction and paralysis. Larvae exposed to flubendiamide stop feeding within minutes, regurgitate, are lethargic, may show contractions of the muscles, and die within a few hours to a few days depending on the amount of the insecticide the larva eats. Flubendiamide is fast acting, and larvae may become paralyzed and die in a few hours after eating this insecticide. The insecticide kills larvae.

Flubendiamide is not systemic, but it is translaminar moving in leaves. It is a stomach poison and must be eaten. Flubendiamide kills the larvae of butterflies, moths, and skippers. Flubendiamide is not phytotoxic and has a residual of about two weeks. Additional applications should be made shortly after the two weeks of residual.

This insecticide is selective killing butterfly, moth, and skipper larvae and works best on small larvae. It usually does not kill beneficial insects such as predators of parasites and shows a very low toxicity to bees resulting in no harm to them. It has been shown to be moderately harmful to lady beetles. It is an organic insecticide.

Flubendiamide is best taken in the leaves when the humidity is low. High moisture will make it harder for flubendiamide to penetrate the leaves resulting in the insecticide being more easily

broken down by ultraviolet sunlight and washed off by rain. It dries and absorbs in the plant quickly making it rain fast and not washed off by rain. The preharvest interval is 3-14 days depending on the crop plant sprayed. Flubendiamide will be degraded if overexposed to ultraviolet sunlight but is not degraded by ultraviolet sunlight unless it is exposed to large amounts of ultraviolet sunlight.

This insecticide will be broken down by reacting with water and is broken down the quickest at pHs of 4 and 9.2. It is broken down the slowest in water with a pH of 6-7 and this is the pH range of the water at which it should be mixed and applied.

Flubendiamide should not be stored at temperatures greater than 100°F. This product may start to lose effectiveness after it has been stored 30 days. Belt® is an insecticide containing the active ingredient flubendiamide.



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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

Entomosporium leaf spot of Indian hawthorn

Entomosporium leaf spot is a foliar fungal disease. The pathogen (*Entomosporium mespili*) is known to cause disease on several important woody ornamentals in the family Rosaceae including Indian hawthorn and red tip photinia (Figure 1). In Louisiana, disease is also known to occur on fruiting pear (Figure 2). Early symptoms on Indian hawthorn appear as small, reddish-purple spots on young growth (Figure 1). As the disease progresses, the center of the spots turn light-to dark-gray. Older spots become darker in color with sunken centers, and develop yellow halo around them (Figure 3). Leaves turn reddish-yellow before defoliating (Figure 4).

The pathogen survives on the infected leaves on the plant or on leaves fallen on the ground beneath the plants. Rainfall and water splashed from sprinkler or overhead irrigation aid in dispersal of spores from older infected leaves to young, expanding healthy foliage. Extended periods of leaf wetness is required for infection to occur. Entomosporium leaf spots can be seen all year round, but the disease develops rapidly under cool, wet weather during fall and spring. Successful management of Entomosporium leaf spot requires integrated disease management approach. Removal of severely infected plants and plant debris including infected leaves from the ground is most important in reducing the disease inoculum. Good cultural practices including planting disease free healthy plants in sites with good air circulation, planting in well-drained fertile soils at proper plant spacing, watering early in the morning to reduce leaf wetness period, and following a good fertilization program help grow plants vigorously and create environmental conditions less conducive for disease development. Timely application of fungicides and uniform coverage of plants with fungicides play an important role in managing this disease. Fungicides containing chlorothalonil, myclobutanil, propiconazole or tebuconazole as the active ingredient may be used as soon as new growth appears in spring. Multiple fungicide applications may be required during favorable weather conditions for effective management. For additional information on fungicide use, please check the LSU AgCenter Plant Disease Management Guide (www.lsuagcenter.com).



Initial symptoms of Entomosporium leaf spot on Indian hawthorn.



Older darker spots on Indian hawthorn.



Leaf spots on a fruiting pear leaf.



Diseased reddish-yellow leaves of Indian hawthorn before defoliation.

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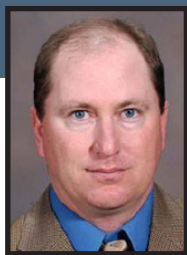
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WEED DOCTOR'S CORNER



By: Dr. Ron Strahan, Assistant Professor in Weed Science, LSU AgCenter
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Problem weeds for the summer lawns and landscapes

Virginia buttonweed (*Diodia virginiana*) in the lawn

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

A program approach works best to control buttonweed. According to research trials conducted by the LSU AgCenter, herbicides that contain the active ingredients 2,4-D, dicamba, mecoprop, and carfentrazone (Speed Zone Southern, Weed Free Zone) have been effective in suppressing emerging perennial plants and killing the first flush of buttonweed seedlings when applied in early Spring. Once temperatures exceed 85 F, 2,4-D containing herbicides cause too much injury to St. Augustinegrass and centipedegrass. In the hot summertime, metsulfuron (MSM, Mansion) or Celsius herbicides should be applied. Always repeat metsulfuron or Celsius applications 4 to 6 weeks after the initial application. Both Celsius and metsulfuron have performed well in research trials and these herbicides seem to be tolerated pretty well by St. Augustinegrass even in very hot weather.

| Virginia Buttonweed Control Program for Louisiana Lawns | | |
|--|--|--|
| Herbicide | Timing | Comments |
| Speed Zone South, Weed Free Zone (2,4-D + dicamba +, mecoprop + carfentrazone) | Apply in early Spring as perennial plants break dormancy and seedling buttonweed emerges | Labeled for all southern turfgrass. Expect injury on St. Augustinegrass and centipedegrass as when temperatures exceed 85 F. |
| MSM Turf, Mansion (metsulfuron) | Summer – repeat application in 4 to 6 weeks | Some chlorosis or stunting possible with centipedegrass. Kills bahiagrass. |
| Celsius (iodosulfuron + thienclorac + dicamba) | Summer – repeat in 4 to 6 weeks | Safest herbicide to use in hot weather. Do not apply to bahiagrass or carpetgrass. |

Torpedograss (*Panicum repens*) in the lawn and flower bed

Torpedograss is a perennial rhizomatous grass that is considered one of the most invasive grasses in the world. The grass is characterized by creeping, pointed, torpedo-shaped rhizomes. Torpedograss has erect leaves that may be up to 10 inches long and 0.3 inches wide. The inner side of the leaf sheath is membranous with short hairs. Although the plant produces seeds, they are not viable. The weedy grass solely reproduces vegetatively by robust rhizomes. The spread of torpedograss in Louisiana is mainly attributed to the movement of soils infested with weed from the



Torpedograss completely covering Indian hawthorne

Bonnet Carré Spillway. The spillway is located just west of New Orleans and is the main source of plant material for southeast Louisiana, especially within the New Orleans metro area. The weed will grow in a wide range of soil types and is very salt tolerant.

Torpedograss is often introduced into new areas during construction by using soil contaminated with rhizomes. Once introduced into landscapes, torpedograss quickly becomes the predominant species in flower beds and home lawns. There are currently no effective control options in centipedegrass or St. Augustinegrass lawns. The herbicide quinclorac suppresses torpedograss infestations in bermudagrass and zoysiagrass lawns.

(continued on next page)

WEED DOCTOR'S CORNER

(continued from previous page)

Hand removal is not an effective option for eliminating torpedograss in landscape beds. Selective grass-killing herbicides such as sethoxydim and fluazifop only temporarily suppress the weed's growth, although fluazifop is more effective than sethoxydim. In landscape beds, carefully wiping or brushing the torpedograss leaves and stems with a 10% volume/volume glyphosate solution can be effective with repeated use over several growing seasons.



Purple Nutsedge Tuber Chains

| MIX SIZE | Fluid ounces of 41% glyphosate to add to water |
|-------------------|--|
| 1 gallon of water | 13 |
| 1 quart of water | 3 |

Sedge (Cyperus) 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?

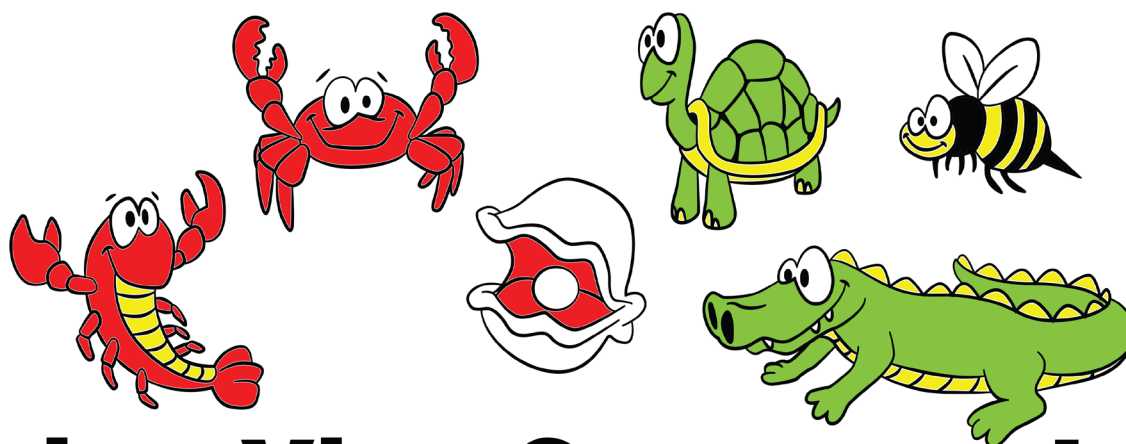
When there are no flowers, leaf tip is the most direct diagnostic characteristic to differentiate the two at very early stage. Yellow nutsedge leaf tips have a long and tapered point (spear shaped), whereas purple nutsedge leaf tips are bluntly pointed (dagger shaped). Both species produce rhizomes and tubers but purple nutsedge tubers are connected together with chains of rhizomes. Yellow nutsedge produces tubers at the end of rhizomes. 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 (Scepter/Image) 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.

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2017 Census of Agriculture

To the members of Louisiana Nursery and Landscape Association,

I wanted to take the opportunity to provide some recent information regarding the state of Louisiana's nursery industry. Every five years, the United States Department of Agriculture National Agricultural Statistics Service (USDA-NASS) conducts a Census of Agriculture. This census covers all sectors of the US agriculture industry, from producers to suppliers and everything in between. I would imagine those of you with nurseries or allied businesses have been asked to participate in the census, and many take the time to report. If you do not respond these surveys, just know that the information elevates Louisiana Agriculture on a national level, and can benefit each farmer through increased exposure, added support, and potential representation. Moreover, entities in all aspects of agriculture across the nation have used Census of Agriculture reports in many ways to promote, market, and grow their businesses. In addition, it is important to note that all information provided for the Census of Agriculture is confidential.

Based upon the recent 2017 Census (the survey was sent out in 2017 and the data was released in April 2019), the wholesale nursery industry in the United States saw a 14% increase in sales, from \$5.1 billion in the 2012 census to \$5.9 billion. Louisiana's nursery industry saw the third largest percentage increase in nursery sales at 37.3%, well ahead of the average. The only states with a larger percentage increase in sales were Delaware and Hawaii. The Louisiana nursery industry sales went from \$67.1 million to \$107 million, the sixth largest total dollar increase in the US, behind CA, FL, OR, NJ, and IL.

The previous Census of Agriculture had the state of Louisiana's wholesale nursery industry as the 22nd largest nursery industry, based on sales. In reports earlier to that, Louisiana was often between 22nd and 25th largest nursery state as far as sales. As of 2017, Louisiana has moved up to 16th on the list, moving ahead of nearby comparable states. The sheer acreage of the Louisiana nursery industry also increased by approx. 1000 acres of open-field nursery production, with the area of nursery production under protection doubling. Other Green Industry related sales (i.e. floriculture, bedding plants, and foliage plants) stayed relatively constant with the 2012 levels. A consolidation of nurseries was apparent, which follows a national trend of farm consolidation.

This growth in the industry is not only proof of a growing market, but evidence that Louisiana is primed to take advantage of increasing demand and will continue to grow. Many states nursery industry grew in the past five years, but Louisiana was one of the top achievers in industry wide growth, according to the Agricultural Census. This is encouraging news to say the least.

The USDA has made the Agriculture Census more accessible than ever with the new Census Data Query Tool and Quick Stats. For more information or to learn more about other industries, states, or commodities visit <http://www.nass.usda.gov/AgCensus>. As always, if there is ever anything that you need assistance with, feel free to contact your local LSU AgCenter Extension office.

Sincerely,

Jeb S. Fields, Ph.D.
LSU AgCenter
Hammond Research Station



URBAN TREE BENEFITS SURVEY

The LSU AgCenter is interested in gauging public knowledge about urban tree populations and the services rendered by these trees. Survey results will help to guide educational outreach programming as well as municipal zoning changes.

http://lsu.qualtrics.com/jfe/form/SV_5APSTSTr35UIGrr



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Hammond Research Station Summer 2019 Update

By Dr. Jeb S. Fields

The Hammond Research Station is the center for nursery and landscape extension within the LSU AgCenter. As such, we strive to provide the most relevant and beneficial research and programming aimed to help grow the industry. Our goal is to enhance production efficiency and landscape sustainability through research, extension, and educational outreach.

Some of the most recognizable endeavors at the Hammond Research Station are the Trial Gardens, with the specific mission to evaluate, promote and develop novel and adaptive specialty crops for the nursery, landscape, and garden center industry in Louisiana. Currently, we are expanding our national trialing partners, to continue to bring the newest material into Louisiana from around the country and the world. Moreover, we are seeking out the best plant material throughout the state and region to display for the benefit of the members of Louisiana's nursery and landscape industry. The warm season bedding plant trials have all been planted and data is currently being collected. We invite you to come to the station to view the trials when you are in the Hammond area. Additionally, we have initiated the first year of container trials, to identify the viability of various plants for container landscaping in Louisiana. We have also established multiple edible landscape trial areas throughout the grounds. Edible landscaping is a growing trend across the state and the nation and we at the Hammond Research Station want to make sure that the landscape industry of Louisiana has support in this effort.

There are some new faces at the station this summer. We have two new interns through LSU AgCenter Project EXPLORE program. Tywin Tate of Franklinton LA, is working on a project to identify insects and weeds at the Hammond Research Station in an effort to develop extension and educational tools for landscape pest identification. Elayne Elnaggar, of Ville Platte, LA is assisting with a USDA funded

project involving the management of crapemyrtle bark scale. The information generated from this study will assist landscape professionals in decision making when it comes to using this chemical class as well as reducing potential impact on pollinators.

In other news, a new research area has been constructed at the station. This area was designed to conduct research involving soilless substrates, irrigation, and fertilizer efficiency. One of the primary projects currently being conducted involves engineering container media in an effort to reduce fertilizer, water, and time needed to produce ornamental crops. This research is a collaborative effort between LSU AgCenter, Virginia Tech, and USDA ARS scientists, which was funded by the Horticultural Research Institute. Additional research involving soilless media engineering is being conducted in the container media lab on site at the station.

Until next time.



Photos by Ashley Edwards





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LOUISIANA DEPARTMENT OF AGRICULTURE AND FORESTRY
HORTICULTURE & QUARANTINE PROGRAM UPDATE

In this issue, we would like to report on the activities of the Horticulture & Quarantine Programs for the past year that relate to the green industry.

The Horticulture Commission is located within the Agricultural and Environmental Sciences (AES) Division of the Louisiana Department of Agriculture and Forestry. The state is divided into 7 district offices employing approximately 50 inspectors. All inspectors perform duties in all the programs within the AES Division. These programs include Horticulture and Quarantine, Pesticide, Seed, and Agriculture Chemistry. The following report contains information on the activities of the Horticulture and Quarantine programs during the 2018 year.

There were 532 horticulture professional exams given throughout the year. A total of 5,504 licenses were issued to arborists (609), utility arborists (174), landscape irrigation contractors (423), landscape architects (362), landscape horticulturists (1,917), retail florists (1,980), and wholesale florists (39). A total of 3,161 permits were issued to cut flower dealers (1,014), nursery stock dealers (1,505), and Nursery Growers I and II (642). The AES inspectors performed 3,362 routine inspections on the licenses and permits issued in 2018.

A total of 190 investigations were performed by the AES inspectors on potential violations of the Horticulture Laws and Regulations. There were a total of 90 Notices of Non-Compliance issued to persons allegedly violating the Horticulture Laws or Regulations.

The Horticulture Commission held 5 meetings in 2018. During these meetings 12 adjudicatory cases were heard with a total of 33 violations. A summary of the cases is listed below. More information on the meetings and cases can be found on the Boards and Commissions website at www.cfprd.doa.louisiana.gov/boardsandcommissions.

CVS Pharmacy #10220
Manager: Tayona Payne
101 David Drive
Metairie, LA 70003
Case No. 18-002

Two violations of L.R.S 3:3804(C) for engaging in a regulated profession (retail florist) without a proper license. One Violation of L.R.S. 3:3810 A (2) for violating a notice of non-compliance dated March 15, 2017. Fined \$1,500

Ronnie Tallo
d/b/a Speedy Green
19089 Notariano Road
Hammond, LA 70403
Case No. 18-003

One violation of L.R.S 3:3804 (C) for advertising in a regulated profession (arborist and landscape horticulturist) without a proper license. Fined \$1,000

Amadeo Vasquez Mendez
d/b/a Vasquez Lawncare
812 Heritage Avenue
Terrytown, LA 70056
Case No. 18-004

One violation of L.R.S. 3:3804(C) for engaging in a regulated profession (landscape horticulturist) without a proper license. One violation of L.R.S 3:3810 A (2) for violating a written notice of non-compliance dated May 29, 2014. Fined \$1,000

Billy Floyd
d/b/a June Bugs Tree Care
1446 Hebert Street
Jena, LA 71342
Case No. 18-005

Two violations of L.R.S. 3:3804 (C) for engaging in a regulated profession (arborist) without a proper license. Fined \$3,000

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2019 SNA Research Conference Proceedings Available

June 12, 2019, Acworth, Ga.

– The Southern Nursery Association (SNA) announced today that the proceedings of the 63rd Annual SNA Research Conference Proceedings has been compiled and is now available online at www.sna.org. This 209-page proceedings, provided free to the industry, is downloadable, searchable, and printable.

The 2019 proceedings includes ten sections of the latest horticultural research on Plant Breeding and Genetics, Container Grown Plant Production, Economics and Marketing, Growth Regulators, Landscape, Pathology and Nematology, Plant Propagation, Water Management, Engineering, Structures and Innovation, and Entomology. Titles were presented by 95 authors from thirteen states and Mexico. A complete list of titles and authors can be found in the Covers and Introduction section, page viii and ix.

The annual publication SNA Research Conference Proceedings, from 1991 to 2019, is available on the SNA website at www.sna.org in Portable Document Format (PDF) for viewing, printing, or downloading (28 years and 3,136 titles comprised of 12,393 pages). When downloaded, the PDF file is searchable.

The SNA Research Conference, which began in 1956, provides a forum for horticultural researchers to communicate relevant and recent research findings to the industry. Its origin cannot be traced to any one individual, but the roots were planted by several SNA board members that recognized the need to consolidate duplicate research programs throughout the region. From an informal effort of compiling papers gathered from several horticultural research centers and assembled and printed, this two-day conference is held annually and has become world-renowned for quality research. Participants are the top horticultural research and educational leaders from across the county. Hundreds of topics in thirteen categories are shared in presentations that run approximately seven minutes each. A printed agenda and the conference format permits selection of research topics of special interest for those interested in attending. All industry members are invited to attend.

Founded in 1899, the Southern Nursery Association is a non-profit trade association representing the horticultural industry in the southeastern U.S. SNA provides member services to wholesale growers,



brokers, retailers, landscape contractors, landscape architects, grounds maintenance contractors, interiorscapers and allied suppliers. The SNA strives to unite and advance the horticulture industry through educational, research and marketing efforts.

The 64th Annual SNA Research Conference is scheduled for January 6 – 7, 2020, and will be held in conjunction with The SNA Conference at the Baltimore Convention Center, Baltimore, Maryland two days before

the opening of the Mid-Atlantic Nursery Trade Show (MANTS). More details will be available soon.

For more information on the SNA Research Conference or SNA, contact the Southern Nursery Association, Inc., PO Box 801454, Acworth, GA 30101, 678.809.9992, mail@sna.org, or visit the SNA Website at www.sna.org.

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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 2019 and beyond. We have a great guest speaker line-up for 2019. We are always looking for new topics and guest speakers so if you have a topic you would like to contribute please email at the address below, we'd love to hear from you.

Meetings typically last two hours and refreshments are provided before the guest speaker takes over. Please contact us at NOHS1885@gmail.com if you are interested in more information on becoming a member and to find out about upcoming meetings and events. Thank you for your continued support and we hope to see you soon!

SOUTHEAST LOUISIANA NURSERY ASSOCIATION

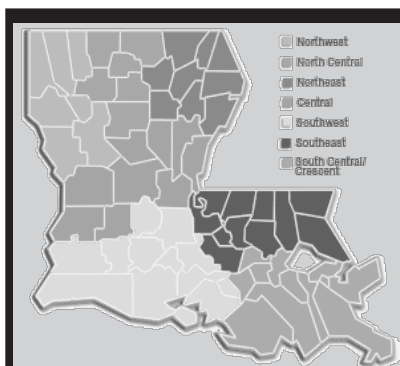
The SELNA Spring Meeting was held on April 16, 2019 at Mike's Catfish Inn in Amite, LA. Gene Cavalier and Bryan Stafford of the Louisiana Department of Agriculture and Forestry gave a presentation on best management practices of feral hogs. New officers were nominated and subsequently elected for the next year. Congratulations to Paige Mizell (president), David Norris (vice president), Susan Webb (treasurer), Will Afton (secretary), and Allan Flexor (board member).

The Folsom Fall Garden Festival is scheduled for Saturday September 28, 2019. The event will take place at Midway Church Park in Folsom, LA. Non-members are welcome

to participate as vendors. Contact Will Afton for more information.

The annual SELNA Crawfish Boil was held on Saturday, May 4, 2019 at the home of Nancy and Dub Jenkins. A good time was shared by all who attended. A big thank you goes out to Nancy and Dub Jenkins for hosting the event for the second year in a row.

Contact SELNA Secretary, Will Afton at wafon@agcenter.lsu.edu for a copy of Nursery Locator Map and visit www.selna.org to view the current SELNA Plant Locator List.



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) myramaloney41@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



A promotional poster for the Nursery/Landscape EXPO 2019. The background is green with a yellow border. At the top, it says "THERE'S NO PLACE LIKE EXPO" in yellow. The main title "NURSERY/LANDSCAPE EXPO 2019" is in large, stylized green and yellow letters. Below that, it says "AUGUST 8TH - 10TH, 2019" and "Henry B. Gonzalez Convention Center | San Antonio, Texas". The tagline "Grow your profits and see the latest in the green industry" is in green. There are four yellow circular icons: a starburst, a bar chart, hands, and a plant. Text on the left describes the event's features: "Don't miss the opportunity to meet face-to-face with thousands of Industry experts." and "With over 32 educational breakout sessions, 120 hours of CEU opportunities, 1,000 exhibits displaying the most innovative products in the industry, you'll leave with plenty of new ideas to grow your business." On the right, contact information is provided: "NurseryLandscapeEXPO.org", "expo@nurserylandscapeexpo.org", "512.579.8857", and "#TNLAEXPO2019". Social media icons for Facebook, Twitter, LinkedIn, and Instagram are also present.

Jenkins Farm & Nursery, L.L.C.

Mark Jenkins Nursery

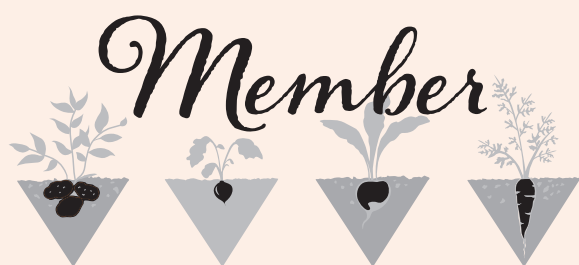
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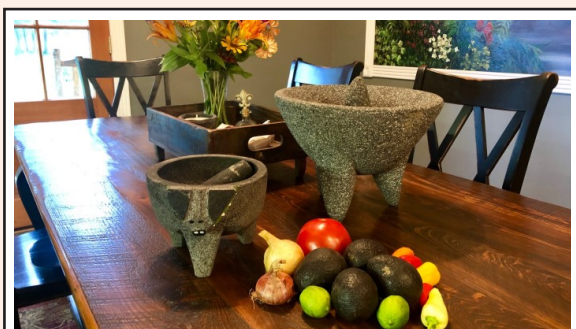
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RECIPES

DUCOTE'S FAVORITE GUACAMOLE

From Kurt and Christy Ducote



Last year our workers from Guanajuato, Mexico knew how much we liked guacamole, so they bought us a small molcajete (on the left) from a Mexican grocery store in Baton Rouge. We seasoned it well, and made a ton of guacamole in it. The next time our two workers returned from Guanajuato they surprised us with an enormous 50 pound authentic molcajete (on the right) they lugged in a backpack through the airport and back to Louisiana. It's a beast to clean, and lug around, but so worth it. It seriously takes guacamole to a whole other level.

- 4 avocados
- 1/4 red or white onion
- 1 mild jalapeno or sweet pepper
(whatever you prefer)
- 1 clove garlic
- 3 small limes
- Handful of Cilantro leaves
- 1 tsp. Pink Himalayan Salt or Coarse sea salt / Pepper
- 1 Tomato
- 1 Well Seasoned Molcajete...the Mexican mortar and pestle!

How to Make:

Chop onions, peppers, and garlic, and put in molcajete. Add salt and start crushing with pestle. The salt helps break down the veggies, so the flavors are more intense and consistent throughout the guacamole. Add cilantro leaves and crush in too. Squeeze some lime juice to help in the crushing process. Once it's a juicy veggie mash, start adding 2 of the avocados, more lime juice, and salt and pepper. Mash it all up stirring it into the onion and pepper paste. Cut up the other 2 avocados and leave in bigger chunks, and lightly stir in. Squeeze some more lime, add any extra salt and pepper if needed and get out a bag of tortilla chips. Enjoy!

American Horticultural Society Update



As we roll into the heat and humidity of summer here in the South, I'm hoping that everyone has had a great spring season. If you are making plans for your summer and fall schedule, we have many things happening at AmericanHort you will want to add to your calendar. One major event I'd like to make you aware of is Cultivate. You may already know about Cultivate, but if you've never heard of it, it's our annual event held this year on July 13-16, 2019 in Columbus, Ohio that features over 150 educational sessions, workshops, and industry tours. It's also an incredible opportunity to network with your fellow peers in the industry. You can read more about all the educational and networking opportunities at cultivate19.org. This will be my first Cultivate experience, so I'm looking forward to hopefully meeting you there!

Another event you may not want to miss out on is our Impact Washington advocacy summit in our nation's capital. This two-day summit will give you an opportunity to meet with the AmericanHort Advocacy Team as well as directly share your experiences with elected officials and policy makers to discuss the issues and regulatory burdens that affect your business and influence decisions being made. Impact Washington will be held September 16-18, 2019.

And finally, the Plug and Cutting Conference, September 4-6, 2019 in Charlotte, NC. At this conference, you will learn the newest and best strategies, technologies, and techniques for all you plant propagators out there. Unfortunately, last year's event had to be cancelled due to Hurricane Florence. This year we are hoping to avoid another hurricane and learn, network, and help grow your business of growing plants!

AmericanHort is the leading national association for the green industry and offers many different opportunities throughout the year to help you perform better, grow faster, and prepare for the future. Be sure to check our website for all of the webinars, informational articles, and information about all of our industry events. For more information about joining AmericanHort, please visit our website at www.americanhort.org. And if I can ever be of assistance, please feel free to contact me.

Brian Brown, Ph.D. is the Manager of Field Operations for the Southeast for AmericanHort. He can be contacted at brianb@americanhort.org.

LOUISIANA IRRIGATION ASSOCIATION

Farewell

As of September 30, 2019 I will officially retire as Executive Secretary/Treasurer of the Louisiana Irrigation Association. April of 2019 was my 12th year of serving in this organization and I feel it is time to move on. Life is short and there are other things I'd like to do before it is too late.

My history with LIA goes back to January of 2007. I was attending the Gulf States Horticulture Expo in Mobile, AL as Executive Secretary of LNLA when Mike Goree asked if I could meet with him and Peter Gallagher for lunch. I agreed and we met. They asked me if I would be interested in taking on the responsibility of Executive Secretary of LIA in addition to being Executive Secretary of LNLA. I said I would be glad to. They told me then that if I had said no, they were going to dissolve the Louisiana Irrigation Association as each of them could not continue to run the association.

Mike told me that he would like to come to Mansfield, LA to bring the LIA files and give me direction as to what had been done. So April of 2007 we met and I received the two folders containing the history and paperwork of the organization. After reviewing what was handed to me, I found that the Articles of Incorporation were long and somewhat cumbersome. Further there were no By-Laws and we had not filed for tax exemption with IRS. I also had to check to see if we had filed with the Louisiana Secretary Of State as a corporation. It took about a year to get all the paperwork in order and we soon were officially a corporation.

With Mike's help we began to plan the next 'Principles of Irrigation class (now the Basics class) and other classes which were held on November 28, 29 2007 at Dean

Lee Research Station in Alexandria, LA. This two day class was well attended but those who were there for recertification said it was too long.

In February of 2018 we held another 'Principles of Irrigation' class and this class as well as the previous one held in November of 2007 was simply not sufficient for contractors to pass the Landscape Irrigation Contractors license exam- between 60 and 65% pass rate. So we involved Dr. Ron Sheffield, Irrigation Specialist with the LSU AgCenter. He wrote the 'Irrigation Basics for Landscape Irrigation Contractors' course in which we still use today for person's wishing to obtain their Irrigation Contractors license. The first Basics class was held on December 2, 3, 2008 concurrent with a one day recertification class. The pass rate significantly improved with the new Basics Class thanks to Ron.

In the summer of 2005 and Spring of 2007 there was a one page newsletter. In March of 2008 and September 2008 the number of pages of the newsletter increased to four. By April, May & June of 2009 Dr. Allen Owings took over as newsletter editor and it significantly improved with multiple pages. I began as newsletter editor in October, November & December 2012 till now with color on pages 1, 2 and 19, 20.

I have enjoyed my years as Executive Secretary and I believe I have helped bring LIA to the forefront in Louisiana with the help of the Officers, Board of Directors and interaction with most of the Membership. LIA is a strong organization and my time has passed. Good luck and good success with your businesses.

Severn

Citrus Update:

The 2019 LSU AgCenter Citrus Symposium in January resulted in the initial formation of a Louisiana Citrus Growers Association. Growers in Plaquemines, St. Bernard, Orleans, and several other parishes have met and begun to identify short and long term goals in regards to citrus industry research, promotion, and organization. Initial goals include updating the statewide citrus contact list, identifying partner industries and organizations that support the Louisiana citrus industry, and a survey to aid in the development of an updated Louisiana citrus spray schedule.

If you are interested in being added to the contact list and receiving updates on the Louisiana Citrus Growers Association and other citrus industry happenings, please email Anna Timmerman at atimmerman@agcenter.lsu.edu.

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| Quarter pg Color | 3-1/2" X 4-1/2" | \$120 | \$480 | \$300 |
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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.

Minutes of the LNLA BOARD OF DIRECTORS MEETING Wednesday, April 17, 2019 – 10:00 am

Michael's Nursery, Glenmora, LA

The Louisiana Nursery & Landscape Association Board met on Wednesday, April 17, 2019, at Michael's Nursery in Glenmora, LA. Total attendance was ____ people.

Board Members Attending: Chris Herrmann, Ricky Becnel, Kurt Ducote, Juan Garcia, Lisa Loup, Brian Bridges, Tony Carter, Gerritt Monk, Michael Roe, Craig Roussel, Rayne Gibson, Brandon Adams, Mike Goree and Jeb Fields

Absent: Mike Hoogland
Quorum is 7 voting members; 11 present; quorum established.

Guests/Staff: Cari Jane Murray, Tina Pelletier, Ansel Rankins, Brian Breaux, Jason Stagg and Wesley Watkins

President Ricky Becnel call the meeting to order at 10:10AM, welcomed everyone, thanked Mike Goree for having and hosting the meeting and all stood to say the pledge of allegiance to the American flag. Ricky recognized Kurt Ducote for being up and about after his surgery last week. Ricky thanked everyone for donating their time.

Minutes of Last Meeting – January 31 & February 1 - Ricky asked everyone to take a few minutes to look over minutes. Kurt Ducote motioned to accept the minutes, Gerritt Monk second, all in favor.

Financial Report – Treasurer, Brian Bridges reported a few things to know on the financial statement. Total assets equal \$175,022. It shows our dues are low this year but most dues came in December 2018 for the 2019 year. Brian also let us know the income from GSHE was a little over \$37K. We raised \$12K for raffle, 6000 was sponsorships and the item cost \$9000 income being \$2800.

Audit was mentioned at the last meeting, Brian has contacted our CPA; she let us know that she did not see it necessary but will give us a quote on a forensic audit and the board can decide. Kurt motioned to accept the financial report. Rayne Gibson second, all were in favor.

LDAF Update - Ansel Rankins reported that there were a few House bills the department was watching; HB491 & HB560 both dealing with industrial hemp. If passed it will be under ag chemistry dept. Ansel also reported lethal yellowing on palms has been detected in Jefferson parish, this is the third parish. Spreads by leaf hoppers.

LA Citrus Association started to combine efforts on citrus growers and producers. Happy to see this and important to be able to battle together. Ricky reminded everyone about Ansel's doctorate achievement, congratulations!

LFBF Update - Brian Breaux let us know about a few legislative things. There is a bill to

increase fuel taxes that Farm Bureau will not oppose because money is needed to repair and replace bridges and roads. Still a huge problem with H-2B. To get your sales take exemption you will have to show a commercial farmer card or schedule F ... Cari Jane will get this form and distribute to members. Ricky made sure to thank Brian for all he does for us for LNLA.

LSU AgCenter Update - Dr. Jeb Fields gave quick update on Hammond station update. Margie Jenkins day went well considering the weather was horrible. Fall field day will be August 23, 2019. LNLA will write letters of recommendation for AgCenter seeking LDAF grants. Jeb also reported the 2017 Ag Census came out and LA looked very strong. Louisiana ranks 16th in nursery production in the nation. Jeb talked about grant opportunities for LNLA and industry.

Wesley Watkins with UDB Insurance came and spoke to the board about possible group health insurance opportunities for the association members as well as other benefits. Cari Jane will send out a survey to members to get more information about who would be interested in group policies.

Funding Committee – Michael Roe reported we have given 2 \$50 memorial donations. IPPS has asked for a sponsorship of \$2500. The annual meeting will be in Baton Rouge this year in October. Lisa Loup motioned to give the \$2500 IPPS sponsorship. Kurt second and all were in favor. Motion was made to sponsor the LNLFSR Gala X for \$3000 by Ricky Becnel, Lisa Loup second and all were in favor.

Marketing Committee - Tony Carter reminded the board that this was the 3rd year of raffles. We know now it is better to have the item available for people to see and feel and not such a large ticket item. For 2020 we would like to raffle a hunting rifle. Tony presented the package. Lisa wanted to make sure we were not limiting ourselves to a specific group that would want the raffle. Ricky and Tony talked about the possibility of LNLFSR helping by collecting sponsorships and LNLA collecting raffle tickets. Tony made a motion to spend up to \$4000 on a hunting rifle package for the 2020 raffle. Lisa second. All in favor. Tickets will be \$20 each or 6 for \$100. Cari Jane will double check on the charitable gaming laws to make sure we are in compliance.

TNLA is coming up and LNLA will have a comped booth. Ricky and Kurt will bring the booth things and we will have an un-manned booth.

IT Committee / Website - Lisa Loup reported that the website was running well and nothing else to report for now.

Membership Committee - Ricky Becnel talked about the letter to membership and non-membership and insurance survey we will be sending out soon. We are hoping to recruit new members with possible association healthcare program. Credit Card Processors & Other member benefits – there was discussion about whether we should partner with these businesses ... is it a benefit. We are not interested in partnering at this time.

There was discussion about the LNLA member list (in digital form) and whether it should be sold to nonmembers. Ricky made a motion that members have access to membership list and no list will be sold to nonmembers period. Kurt second. There was discussion about changing the motion to say that if you are a member and you want to purchase the digital membership copy there will be a \$100 fee and membership will not be sold to nonmembers ever. Lisa amended the motion to say distribution of the LNLA membership in digital form, when requested, must be approved by the board. Ricky seconds motion. All were in favor.

Nominating Committee - Gerritt Monk let the board know there was nothing to report at this time.

CNLP Update - Cari Jane let the board know about the CNLP class held in February at the Hammond Research Station. Jeb Fields and Jason Stagg teamed up to present the manual material that Dan Gill has taught in the past. We have had lots of compliments on their teaching. Thank you both for your help with CNLP. We had 20+ participants in the review and 10 certification test takers. The next CNLP will be June 6&7 Ira Nelson Hort Center in Lafayette.

Manual sales have been up this year with LDAF no longer having them available for sale. GSHE Report - Cari Jane let the board know we received our distribution from this year's GSHE, up from last year. This year it is AL's turn to help with move in and move out. Ricky and Cari Jane will serve on the GSHE board that will meet in May for 2020 preparation. GSHE will be January 12-18, 2020.

LNLFSR Update - Cari Jane reported that the Gala X will be held Friday June 21, 2019 at the Pavilion of the Two Sisters in NOLA from 6:30 – 9:30. We encourage all to participate in the fun and fundraising.

New Business - Kurt Ducote asked the board if they would provide a letter of recommendation for LDAF grant to Heather Kirk-Balard.

The next LNLA board meeting will be July 24 at Crawfish Town USA in Henderson, LA and with no other business, at 2:04 Ricky motioned to adjourn, Gerritt second and all were in favor.



2019 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

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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: \$ _____

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