Asian Termites are Killing South Florida’s Pine Trees
David Fleshler, Sun Sentinel

A new study from the University of Florida which looked at about 400 slash pines in Fort Lauderdale, found that these termites had killed 12 percent of residential trees and three percent of trees in city parks over the past five years, weakening them for future storms.

The Asian subterranean termite, which has been chewing its way through the local housing stock for 20 years, has turned out to have a taste for native trees, with a particularly lethal manner of attacking slash pines, according to a new study from the University of Florida.

The study, which looked at about 400 slash pines in Fort Lauderdale, found that these termites had killed 12 percent of residential trees and three percent of trees in city parks over the past five years. Another 46 percent of the residential trees were infested, with the termites likely to cause deadly damage, according to the study, published in the journal Florida Entomologist.

The park trees fared better, with 15 percent of the living trees infested. Also at risk could be slash pines in Miami-Dade County, Palm Beach County and other parts of Broward County, where these non-native termites have established colonies.

“The clock is ticking on most of our slash pines in greater Fort Lauderdale,” said Thomas Chouvenc, assistant professor of urban entomology at the University of Florida’s Institute of Arboriculture.

Termites continued on page 4
A Message From the President

We have an expansive and innovative educational program in the Florida Chapter. As I have traveled around I am grateful for the number and variety of local educational events the Chapter offers each year.

One example of a new event was held late last year in Ft. Walton Beach. Rob Calley, our Commercial Arborist representative on the board, hosted an exciting “Master’s Class”. The response and attendance was great! Traditionally we have not held that many events in that part of Florida but I think that is about to change!

Another example of another innovation is the new “Tree School Short Course” that was held earlier this year in Orlando. Many of you remember the two-day “Palm School” that Dr. Timothy Broschat and Dr. Monica Elliott put on every year; well, even though most of our seminars are one day events (except Trees Florida), our Education Committee decided to try this unusual two-day format. Developed to supply condensed beginner material to newer arborists, the “Tree School Short Course” was a tremendous success! We maxed out our attendance and had a wait list! It goes to show you that there is a need and desire to continue to learn the basics of tree biology and care. This course will be repeated again in South Florida in the coming year.

Congratulations to our Florida Chapter Tree Climbing Championship Committee and its Chairman Adam Jackson on a fantastic event. The event was held at Moss Park in Orlando during March. I was able to attend both Saturday and Sunday and was impressed with the level of professionalism, expertise and safety exhibited by the competitors and all the volunteers and judges.

Also, Friday’s Outdoor Tree School the day before the Tree Climbing Championship had its largest attendance ever. The Florida Chapter is especially proud of both of these events that have continued to grow in popularity and enthusiasm.

A special congratulations goes to Jason Gerrish for winning the men’s division and Alisha Amundsen for winning the woman’s division.

For a quick reference look at the website http://www.floridaasa.org/events.php and see the upcoming listing of all of our educational events.

And, don’t forget to sign up for our premier educational event each year which is Trees Florida. Trees Florida will be held June 11-13 at the Sanibel Harbour Resort in Ft. Myers. Also, if you would like to come one day early we will be having our board meeting on Sunday afternoon, June 10 at the resort if you would like to attend.

Your Chapter President,

Scott Shultz
President, Florida Chapter ISA
Florida Arborist

Summer 2018

Trees Florida
June 11-13, 2018

Florida Chapter ISA
2018 Board of Directors

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Dr. Andrew Koester

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Jan Easy, Admin. Assist.
Patty Morrison, Admin. Assist.

We honor and thank the Florida Chapter ISA Past Presidents

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Termites continued from page 1

Food and Agricultural Sciences, and lead author of the study. “I think we’re on the way to irreversibly lose most of these slash pines if we don’t do anything.”

In addition, these yellow-brown, half-inch long termites have attacked a wide range of other trees that constitute the region’s urban canopy, particularly live oaks. Although it doesn’t kill these trees, it hollows them out, weakening them for storms. When Hurricane Irma brushed the area last year, three live oaks hollowed-out by the termites went down, he said. Had the termites not consumed their insides, he said, they would have withstood the storm. With so many trees weakened by these termites, a direct hit would have been that much more devastating.

“These trees are being chewed up for quite a while,” he said. “And we didn’t have a major hurricane since Wilma in 2005. So it’s been 12 or 13 years of damage that’s been piling up in these trees.”

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Florida Chapter Board Updates

BOARD SHORTS:

PROPOSED FLORIDA TREE LEGISLATION HAS FAILED

The two bills limiting municipal tree ordinances that were proposed in both the Florida House (HB 521) and Senate (SB 574) have failed.

HB 521       SB 574

FALL 2018 SCHOLARSHIP APPLICATIONS DUE

2018 Fall John P. White Scholarship Applications are due June 15, 2018. Students must be enrolled full-time, part-time or place-bound in an arboriculture or urban forestry program or related field with the intent to graduate in that field. Click here for full details.

The John P. White Scholarship is sponsored jointly by the Florida Urban Forestry Council and the Florida Chapter ISA.

FLORIDA CHAPTER ISA WELCOMES UF STUDENT CHAPTER

Florida Chapter ISA CEO Norm Easey visited the campus of UF – Gainesville recently to welcome the new Student Chapter of Florida ISA. The group of enthusiastic arboriculture students are advised by Dr. Michael Andreu who is assisted by Dr. David Fox and Dr. Jason Smith. Interested students can contact Ryan Krammes for more information.

Interested students - don’t forget to submit your John White Scholarship application by June 15th for the fall 2018 semester.

The Florida Chapter ISA recognizes outstanding achievements in the arboriculture profession, as well as the efforts by individuals who make an impact on the practice of arboriculture.

- EDWARD W. BOK AWARD
- AWARD FOR EXCELLENCE IN EDUCATION
- AWARD OF DISTINCTION
- LOREN WESTENBERGER AWARD

Nominate someone you know! Nominations for 2018 are due by May 15th. Awards will be presented at the Trees Florida 2018 Wednesday luncheon. Award application is at www.floridaisa.org.

THE FLORIDA CHAPTER NEEDS YOUR ASSISTANCE

We are looking for a member to loan the chapter a PORTABLE SAWMILL and operator for an upcoming seminar.

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the trunks to extract sap, is among the most distinctive trees of old South Florida. Its pine rockland habitat, dry land that was perfect for real estate development, has been largely wiped out, leaving urban slash pines scattered through parks and neighborhoods.

“They’re one of the original canopy trees in the area,” said Michael Orfanedes, Broward County extension agent for commercial horticulture. “They’re just a fraction of what they were originally because of development. Their famous for harboring birds in their hollows.”

Their hard wood became a popular building material known as Dade County pine, used in many sturdy older homes that have withstood the last century of hurricanes. But this hard wood becomes a liability when hungry termites show up. Unable to eat the sappy, hard inner wood, which is actually dead tissue, the termites turn to the live tissue on the outer layers of the trunk. As they chew their way through this, they block the tubes that carry sugar. With its vascular system disabled, the tree slowly starves.

Mark Torok, senior forester with the Florida Department of Agriculture and Consumer Services, said the termites may be a serious threat but that further research is needed.

“It’s definitely something we shouldn’t ignore,” he said. “But we don’t have a full understanding yet about this pest. Are they attacking weakened trees or are they attacking healthy trees? How aggressive are they? How much damage do they do? Does it like any tree more than others?”

Native to southeast Asia, the termite is thought to have arrived in South Florida on ships and oceangoing yachts, spreading from marinas into neighborhoods. It was detected in Miami in 1996, its first known U.S. presence, then found in 2005 in Fort Lauderdale and Riviera Beach. They establish colonies underground. They spread by means of swarms, when thousands of termites fly off on spring nights to found new colonies, with male and female termites forming pairs and burrowing into trees and houses.

Their nighttime swarms may explain why residential trees get attacked more frequently than ones in parks, Chouvenc said, since swarming termites are attracted to lights.

Although colonies can be destroyed by pest control companies, saving individual houses and trees, Chouvenc said this go-it-alone approach won’t be enough to control them in South Florida. He said area-wide management, with entire neighborhoods cooperating, may be necessary.

“Realistically, I don’t know if it’s possible” he said. “But if the problem gets to the point where a lot of structural damage occurs in infested neighborhoods and trees are being severely infested, maybe there’s going to be a collective consciousness that maybe we have to do something on a larger scale than protecting our tiny half acre.”

**TIPS**

-- To check if your slash pine has termites, look for them by peeling back a dead outer piece of bark.

-- Cutting the tree is not an effective sanitation or control method for subterranean termites on your property. It doesn’t help, because most of the colony is in the ground.

-- Tenting your house won’t help because subterranean termites live underground. Tenting works for drywood termites.

-- Call a pest-control company to place bait above ground at base of infested trees.
How Trees Coexist: Understanding Biodiversity

Technische Universität Dresden

One of the most fascinating topics in ecology is the exploration of interactions between plants, specifically in long-lived organisms, such as trees. In this context, it is generally assumed that tree-tree interactions are dominated by competition for resources such as light, water or nutrients.

Writing in Nature Communications, ecologists from TU Dresden in cooperation with the Leuphana University Lüneburg, the Martin-Luther-University Halle-Wittenberg, the Beijing Forestry University and the German Centre for integrative Biodiversity Research (iDiv, Leipzig) now report that this view is generally not wrong, but our understanding of how trees interact is still limited.

For a decade, researchers explore how tree species diversity affects the coexistence of trees and their growth performance in the largest biodiversity experiment with trees worldwide, the so-called ‘BEF-China’ experiment. One of the main interests of the BEF-China team is to explore the relationship between tree diversity and multiple ecosystem functions, specifically those benefitting society, such as wood production or the mitigation of soil erosion.

For this purpose, an experimental site of c. 50 hectare in subtropical China was planted with more than 400,000 trees and shrubs. Trees have achieved a height of 10 to 15 m and their crowns have formed a dense canopy by that time.

The findings now shed new light on tree-tree interactions: The local environment of a tree strongly determine its productivity, meaning that tree individuals growing in a species-rich neighborhood produce more wood than those surrounded by neighbors of the same species. “Particularly impressive is the finding that the interrelations of a tree with its immediate neighbors induce higher productivity of the entire tree community (i.e. the forest stand), and that such local neighborhood interactions explain more than 50% of the total forest stand productivity,” says forest ecologist Dr. Andreas Fichtner. The importance of local neighborhood interactions in regulating forest stand productivity increases as forest stands were richer in tree species. These findings show that the coexistence of neighboring trees and their small-scale interactions are substantial in explaining the productivity of species-rich mixed forests.

The scientists were also able to identify mechanisms explaining why species-rich neighborhoods promote tree productivity. Their findings show that competition is less prevalent in species-rich neighborhoods and that species-rich neighborhoods can even lead to facilitation by e.g. an improvement of the microclimatic conditions or by positive interactions with soil fungi.

“These findings contribute to a deeper understanding of tree interactions and the functioning of forest ecosystems, and are particularly relevant for nature conservation and forestry,” says Prof. Dr. Goddert von Oheimb from the Department of Forest Sciences at the TU Dresden. For instance, afforestation programs in countries that have experienced dramatic deforestation in the past, may benefit from planting multiple native tree species at the smallest spatial scale (i.e., the local neighborhood level) instead of planting monocultures or mixing monospecific patches at larger spatial scales. Furthermore, the study emphasizes the importance of long-term measures preserving global biodiversity. This in turn will benefit the multifunctionality of forest ecosystems and their associated ecosystem services benefitting the society. “This shows that biodiversity conservation is not exclusively an ecological or ethical issue, but rather a necessity ensuring socio-economic welfare,” says Dr. Andreas Fichtner.

[Ad for John P. White Memorial Scholarship]

Sponsored by:
Florida Chapter International Society of Arboriculture and Florida Urban Forestry Council

Get More Info ➤
Those hurricanes might have delayed us once again but they didn’t keep us down! Spirits were high at the re-scheduled Florida TCC event held before March. Tree Climbing Championship Chair Adam Jackson’s plan is to continue scheduling the Florida TCC event during the early spring months from now on, side-stepping the hurricane season completely. Watch for our next Florida event to be in February or March 2019.

Congratulations to Alisha Amundson (Tree Girl Designs, Oviedo) and Jason Gerrish (Tree Huggers, Miami) for their wins at the spring 2018 Florida TCC in Orlando, FL.

Alisha and Jason are familiar names to our Florida Chapter membership, as they have both represented the Florida Chapter at International TCC events over the past several years. Alisha and Jason will represent the Florida Chapter at the International TCC this summer in Columbus, OH. Good luck to you both at the International event!

The 2018 Florida TCC event in Orlando was held at Moss Park. The five preliminary events were held on Saturday, March 10; the Master’s Challenge was held on Sunday, March 11. There were 40 competitors who travelled from near and far to participate. The Florida TCC Chair, Adam Jackson (Davey Tree) and his energetic crew of prep volunteers, judges and timekeepers devoted much time and effort to organize and run the event.

Every year the climbers vote to award one climber with the Sportsmanship Award in honor of past climbers who are no longer with us. This year the climbers selected Tim Walters to receive this special award. The Bruce Smith Pay-It-Forward Award was presented to Ed Delehanty. Bruce was always looking for opportunities to “pay it forward” to fellow climbers. His passion for the industry, particularly in spreading the word about climber safety, is represented in this significant award.

Once again, congratulations to Alisha Amundson and Jason Gerrish for winning the 2018 Florida TCC and thank you to all the climbers who travelled and participated in the Florida TCC.
Florida Chapter TCC Congratulations!

The Florida Chapter would like to congratulate the following Master’s Challenge climbers for participating and giving it your “all” for the chance to represent the Florida Chapter at the International TCC in Washington DC – in alphabetical order:

**MASTER’S CHALLENGE**

1  Alisha Amundson (female winner)
1  Jason Gerrish (men)
2  Dominic Pallotti (men)
3  Paul Lloyd-Jones (men)
4  Forrest McCullough (men)

**PRELIMINARY WINNERS**

Congratulations to the following top 3 winners in each event:

### Aerial Rescue:

1st  Doug LaFortune
2nd  Carson Smith
3rd  Colin Kelly

### Belayed Speed Climb:

1st  Trevor Hill
2nd  Shawn Welch
3rd  Charles Porthouse

### Secured Footlock:

1st  Christopher Coates
2nd  Trevor Hill
3rd  Shawn Welch

### Throwline:

1st  Paul Lloyd-Jones
2nd  Bennet Brooks
3rd  Christopher Coates

### Work Climb:

1st  Dominic Pallotti
2nd  Tim Walters
3rd  Christopher Coates

See you next Spring! Watch for announcements for the Spring 2019 Florida Chapter TCC. The event will be held in Central Florida during February or March 2019.
Sponsors
The Florida Chapter TCC relies on the support of our sponsors and we want to give a special thanks to those who contributed to our event. Some companies contribute monetary funding, some provide food and others provide prizes – our event wouldn’t be what it is without your support. **THANK YOU!**

- Advance Tree Pros, Orlando, FL
- Altec, Riviera Beach, FL
- Armstrong Tree Service, Tallahassee, FL
- Davey Tree Experts, Kent, OH
- Murray’s Tree Service, St. Petersburg, FL
- O’Neil’s Tree Service, Ozona, FL
- Sherrill, Inc., Greensboro, NC
- Zimmerman Tree Service, Lake Worth, FL

The winner’s prize package items are organized by ArborMaster and provided by

- ArborMaster
- Buckingham
- Husqvarna
- Oregon
- Samson
- Silky
- Vermeer

Volunteers
Volunteers are the unsung heroes of the Florida TCC. We extend a warm thank you to everyone who helped. There were people who prepped the sites, people who judged the events, those who kept time, those who provided equipment, and those who helped with the Arbor Fair including the Kid’s Activity Tent. Some people just pitched in when they saw the need for assistance. Registered volunteers included:

- Adam Jackson – Chair
- Brian Gould – Head Judge
- Bonnie Marshall – Arbor Fair Chair
- Bill Armstrong
- Amiri Barnum
- Wyatt Brauer
- Gareth Coggin
- Alicia Calley
- Wade Collum
- Amber Delehanty
- Edward Delehanty
- John Freeman
- Steven Goodell
- David Graham
- Mickey Gross
- Larry Hammock
- Avita Hubbard
- Jonathan Hull
- Julie Iooss
- Andrew Jackson
- Danae Jackson
- Bob Lubbers
- Charlie Marcus
- Carolyn Nelson
- Apollo O’Neil
- Tahney Rockymore
- Kris Stultz
- Kerdi Varm
- Paul Warrener
- Ben Wasielowski
- Johnny Woody
- Anthony
- Dale
- Jay
- Todd

Our apologies if we have missed listing any of our valued volunteers – we appreciate the help of everyone!
More TCC 2017

Kid’s Climb

Davey Volunteers
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TREES FLORIDA 2018

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FORT MYERS, FL
JUNE 11-13, 2018

Late registration fees ( $25 per day )
begin on June 3rd.
Register now!
A Rutgers study calls attention to post-storm hazards posed to tree care workers and provides safety recommendations.

According to findings published in the American Journal of Industrial Medicine, workers employed by tree care experts and licensed arborists were more likely to receive health and safety training and to use personal protective equipment than those employed by companies that are not part of the professional arboriculture network. The research also shows that Spanish-speaking day laborers often had little training or use of personal protective equipment.

Tree care workers have one of the most dangerous jobs in America, regularly encountering heights, slippery conditions, falling limbs, sharp equipment and electrical wires. The incidence of injuries increases after storms when unqualified “storm-chasers” with chainsaws and landscaping companies offer their services to uninformed homeowners. Some municipalities also struggle to handle tree damage with inadequately trained labor and old equipment. Annually, tree care injuries account for about 80 worker deaths and at least 23,000 chainsaw injuries treated in emergency departments. Many of those injuries result from inadequate training and equipment.

“There is a popular misconception that tree removal is low-skill work, but nothing could be further from the truth,” said Michele Ochsner, formerly with Rutgers School of Management and Labor Relations. “Handling storm-downed trees without injury to people or property involves an array of technical skills and knowledge of how different species of trees respond in different seasons and weather conditions.”

Since Hurricane Sandy in 2012, Ochsner, along with Elizabeth Marshall, an environmental and occupational epidemiologist at Rutgers School of Public Health, and Daniel Lefkowitz at the New Jersey Department of Health, have been analyzing surveillance data after storms to assess injury risks related to tree work. They also conducted interviews with private and municipal tree care experts to understand the Sandy experience and suggest ways to improve safety.

Storms and the ensuing long hours exacerbate the job’s significant risks. “Tree care crews handle thousands of downed trees in the wake of a hurricane or even the recent snow storm. It takes knowledge, proper...
equipment and coordination to do that safely,” Marshall said.

Although there is no current Occupational Safety and Health Administration standard for tree trimming, employers are required to comply with all general industry standards set by a network of national, regional and state associations, said Marshall. She noted that New Jersey recently passed a comprehensive licensing law to assist consumers in hiring a tree care company that upholds the state’s standards.

“Our interviews with tree care workers revealed a number of recommendations to plan ahead for major storms,” said Marshall. “For example, companies and municipalities should ensure equipment is well maintained, employees are properly trained in their native language and provided with personal protective equipment. Consumers should work with a licensed tree care professional to identify damaged or improperly planted trees and remove dead trees and limbs before the next big storm. Then, they will be ready when bad weather arrives and trees come down.”

Florida Arborist

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Selecting Good Fertilizers for Palms
Henry Mayer, UF/IFAS Urban Commercial Horticulture Extension Agent

Summer is coming soon; roots and palm fronds will grow fast! Are you sure that you are applying the correct palm fertilizers? The latest fertilizer recommendation from University of Florida is 8 – 2 – 12 + 4Mg, but lately, various fertilizers with the same formulation have appeared in the market. Which one is the best? Based on the explanation of Dr. Broschat and Dr. Elliott (UF palm expert specialists and retired professors), a brief justification of why some are good or bad are provided below:

Fertilizer Labels A and B: These are both good fertilizers to use for palms, as they include 100% control-release sources of N, K and Mg. All of the K is present as polymer coated sulfate of potash. All of the Mg is present as magnesium sulfate in the form of kieserite. Label B is the update version.

Fertilizer Label C: This fertilizer is not acceptable to use for palms because not all of the K is control-release and none of the Mg is control-release. They have included “sulfate of potash-magnesia”, which is 100% water-soluble. So, when the landscape is irrigated or when we do receive our first good summer rain, the Mg will quickly leach and about half of the K will also quickly leach, creating an imbalance in availability of K to Mg and in N to K. This will lead to an increase in both K and Mg deficiencies. The other problem with this fertilizer is that it contains iron oxide and manganese oxides, which are not good sources of Fe and Mn in neutral or alkaline soils.

Fertilizer Label D: This fertilizer is really bad! The only control-release nutrient is the N, as polymer coated urea. The K and Mg are all 100% water-soluble sources, which are highly leachable. The other problem is the micronutrients (except boron) are sucrates, which are nothing more than oxides with molasses – i.e., they are not good sources of micronutrients. This fertilizer should not be used on palms!

Remember: Bad fertilizers are a waste of money and could cause pollution. It is better to follow Dr. Broschat’s recommendation: If you can’t fertilizer your palms correctly, you are better off not fertilizing at all!

For a thorough explanation of palm fertilizers, see EDIS publication: Not All Landscape Palm Fertilizers are the Same: http://edis.ifas.ufl.edu/ep516.

SEE LABELS ON PAGE 19

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Selección de Buenos Fertilizantes para las Palmas

Pronto llegará el verano! Las raíces y las hojas de las palmas crecerán rápido! ¿Está seguro de que está aplicando el fertilizante correcto? La última recomendación de fertilizantes de la Universidad de Florida es la formulación 8 – 2 – 12 + 4Mg, pero últimamente, varios fertilizantes con la misma formulación han aparecido en el mercado. ¿Cuál es el bueno? Basados en las recomendaciones del Dr. Broschat y la Dr. Elliott (especialistas de palmas de la UF y profesores jubilados) una breve explicación de por qué algunos son buenos o malos se proporciona:

Las etiquetas A y B del fertilizante: éstos dos son buenos fertilizantes a utilizar, pues incluyen 100% del N, K y Mg como de liberación lenta. Todo el K está presente como sulfato revestido del polímero de la potasa. Todo el Mg está presente como sulfato de magnesio bajo la forma de kieserita. La etiqueta B es la versión más actualizada.

Etiqueta C del fertilizante: este fertilizante no es bueno o adecuado utilizar con las palmas porque no todo el K así como el Mg son de liberación lenta. Bajo los ingredientes, se han incluido “sulfato de Potasa-Magnesia”, el cuál es 100% soluble en agua. Por lo tanto, cuando se riega o cuando recibimos nuestra primera buena lluvia de verano, todo el Mg y la mitad del K rápidamente se pierden por lixiviación, creando un desequilibrio en la disponibilidad de K y Mg. Esto conducirá a un aumento de las deficiencias de K y Mg. El otro problema con éste fertilizante es que contiene óxidos de hierro y óxidos de manganeso, los cuales no son una buenas fuentes de Fe y Mn en suelos neutros o alcalinos como los nuestros

Etiqueta D del fertilizante: este fertilizante es realmente malo! El único nutriente de liberación lenta es el N, como urea revestida de polímero. El K y el Mg son todas solubles en agua 100% y altamente lixiviables. El otro problema es que los micronutrientes (excepto el boro) son sucrates, que no son más que óxidos con melaza – es decir, no son buenas fuentes de micronutrientes. ¡Este fertilizante no se debería utilizar con las palmas!

Recuerde: los fertilizantes malos son un desperdicio de dinero y podrían causar contaminación. Es mejor seguir la recomendación del Dr. Broschat: ¡Si usted no puede fertilizar sus palmas con un buen fertilizante, es mejor no fertilizarlas en absoluto!

Para una explicación más detallada de los fertilizantes de la palma, vea publicación de EDIS: http://EDIS.IFAS.ufl.edu/ep516.

No todos los fertilizantes de palmas son iguales!!
A. Good for Palms

B. Good for Palms

C. Not Good for Palms

D. Not Good for Palms
SAVE THE DATE: SEPTEMBER 19, 2018

We are officially announcing the 4th Annual Saluting Branches event, to be held on Wednesday, September 19, 2018! You can Sign up to be notified as locations and other details become available. (Note that you will still need to register for your specific location later in the year.)

LOCATIONS FOR 2018
The Saluting Branches day of service for 2017 was held at 45 National Cemeteries across the US. We are in the process of determining locations for 2018. Know of a good one? Request Location for 2018

Watch the 2017 Saluting Branches Tribute Video

SALUTING BRANCHES 2017 WAS AMAZING!
The largest one-day volunteer event in the tree industry with over 2,200 volunteers

www.salutingbranches.org

Saluting Branches, created by Rainbow Treecare in partnership with the U.S. Department of Veterans Affairs, National Cemetery Administration
To advertise in the Florida Arborist contact the Florida Chapter office at 941-342-0153.

Our electronic version of the Florida Arborist allows for an active link directly to your website!!

Single Issue advertising rates are as follows:
- Full Page - $250/issue
- Half Page - $200/issue
- Quarter Page - $150/issue
- Business Card - $75/issue
- Classified Ad - $25/issue

Discounts for a commitment of 4 consecutive issues:
- Full Page - $200/issue
- Half Page - $150/issue
- Quarter Page - $100/issue
- Business Card - $50/issue
- Classified Ad - $25/issue

Prices include one link from the ad to your website. Additional links are $25/link per issue.

call 941-342-0153 or email jan@floridaisa.org

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- Full Page - $200/issue
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- Quarter Page - $100/issue
- Business Card - $50/issue
- Classified Ad - $25/issue

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call 941-342-0153 or email jan@floridaisa.org

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call 941-342-0153 or email jan@floridaisa.org

Florida Arborist Summer 2018
When conducting a tree or plant appraisal, it becomes incumbent upon the consultant to more carefully address the approach which shall be used to determine value than the application of that approach to value.

The most often applied and easiest to understand approach to value is the, Replacement Cost approach. It is very straightforward and easily understood. In essence, it is the adage, an eye for an eye and a tooth for a tooth, manner of making the property owner whole. In this instance, a tree or plant which can be replaced easily with regard to its size, species and condition is used as the basis of value. A 3-inch live oak tree is readily available in the marketplace. Should the 3-inch live oak tree become a casualty, it is easily replaced. To a simplistic approach, the Replacement Cost method is hard to beat. The trouble begins when the tree or plant cannot be found growing in the open marketplace as it relates to its species or size.

Appraisers are quick to proffer a Cost to Cure approach in situations where the casualty tree or plant cannot be found because of its pre-casualty size or species. The cost to cure approach seems straightforward; however, it is not without its difficulties, both legally and in application. Our, Guide to Plant Appraisal, 9th edition has an approach with regard to curing the loss of a plant or tree. When applying a cost to cure methodology to your assignment be cautioned of some tripping points you will find on your appraisal journey.

When applying a cost of cure according to the Guide, losses must include landscape features such as terrain, and hardscapes. If terrain and hardscapes are not part of the assignment then one is cautioned when using a cost to cure.

Fundamentally, courts look to some issues which may conflict with your opinions regarding a cure cost. Of course, the obvious, the cost to cure the problem cannot exceed the value of that which became a casualty. That is an intuitive rule but often forgotten as is placing first a value on the casualty tree or plant before curing the problem at hand.

The cost to cure approach is not admissible if it exceeds the decrease in the market value of the real estate. Consequently, the cost of restoring the property as far as possible to its pre-casualty condition is admissible only when there is also evidence that such cost is no greater in amount than the decrease in market value of the property if it were left as it was before the casualty.

In Florida, an owner of property may testify as to its value, although that owner may not be qualified as an expert. In our field of arboriculture that means the owner of a tree farm might well testify to the value of his crop; in place, as is. Of course, the owner of the tree farm would then be subject to cross-examination.

There are several approaches to value which may be considered when appraising a tree or plant or the landscape in which they were growing. In some of these approaches an arborist is not qualified to render an opinion. The decrease in market value is one example. The new and much anticipated, 10th edition for plant appraisals, will be published soon. The reader will quickly discover these many different approaches to value; however, the fact that an arborist is not qualified to opine on many of these areas is going to equate into an arborist becoming a member of a litigation team which includes a real estate appraiser. That subject, however, is fodder for another time, perhaps in a seminar coming soon.
2018 Tour des Trees and the John White Scholarship Funds

The 2018 Tour des Trees is July 29th - August 4th is hosted by the Ohio Chapter. The 530-mile, seven-day ride starts and ends in Columbus which is this year’s venue for ISA’s International annual conference. The Florida Chapter thus far has three participants – veterans Andy Kittsley and Scott Davis and a rookie rider – Danny Lippi. This year’s tour is the 22nd ride for Andy Kittsley. Scott Davis started riding in 2011 and has ridden every year since. Danny is a first-time rider and is a grad student at the University of Florida.

Each rider must raise $3,500 and all monies raised go toward the TREE Fund. For those of you unfamiliar with the TREE Fund (Tree Research Education Endowment), it is a fundraising organization which raises money for arboricultural research and education grants and scholarships. Last year, the TREE Fund distributed $435,000 for new and ongoing grants. The Florida Chapter provides a $1,000 donation per rider (if they ride all 7 days) so the remaining $2,500 must be raised by each rider. For more information on this year’s tour or to donate to Team Florida or an individual rider, visit the website at www.treefund.org/tourdestrees.

Of note, the John White Scholarship Endowment Fund managed by the TREE Fund now totals $83,914, up from $76,000 just five months ago. Eric Smith, TREE Fund Executive Director, is pushing to get this endowment to the $100,000 level when it can then be utilized for TREE Fund scholarships, grants, and other purposes.

Florida Chapter’s own John White Scholarship fund is separate and is handled by our Chapter rather than the TREE Fund. This scholarship is a joint effort of the Florida Chapter and the Florida Urban Forestry Council (FUFC). The Florida Chapter scholarship goes to a current or incoming college student or graduate student interested in studying urban forestry or arboriculture and provides $1,250 per semester. Danny Lippi mentioned above was a 2016 recipient of this scholarship. Applications for the fall semester are due June 15. For more information on the Florida scholarship, go to www.fufc.org/scholarships.php.

Both the TREE Fund and the Florida Chapter John White funds are named in honor of John White, a passionate Florida arborist, former TREE Fund Liaison, FUFC board member, and Tour rider who died suddenly while on a training ride the evening prior to the start of the Tour.

We are a safe, progressive, well established, quality focused, TCIA-accredited team that is the leader in our market. Operating out of a 5,500 sq. ft. shop we employ the most up to date equipment and techniques the industry has to offer. From tree risk assessments to root collar excavation, PHC, crane removals to cabling, bracing & everything in between. We are looking for a professional to join us in achieving that next level. Create your own path to success; advancement is based on in-house and accreditation qualifications and certifications.

Residential, municipal, commercial year round work.

**POSITION:**
- Climbing production manager / estimator
- Vacation, health insurance and bonuses
- Starting @ 25/hr
- Year round, four 10-hour days/week
- Health insurance offered
- Located in beautiful Naples FL, minutes away from the beach
- Drug free workplace - EOE

**CONTACT:**
239-348-1330 OR info@signaturetreecare.com

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**Are you looking to E-X-P-A-N-D your opportunities as an arborist?**

**Arborist / Estimator**
Signature Tree Care, LLC - Naples, FL

**Signature Tree Care, LLC**

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Florida Chapter ISA
Awards Application
Due Date: May 15 (annually)

Enter yourself or a colleague. Please select one award category:

- [ ] EDWARD W. BOK AWARD
- [ ] AWARD FOR EXCELLENCE IN EDUCATION
- [ ] AWARD OF DISTINCTION
- [ ] THE LOREN WESTENBERGER AWARD

<table>
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<th>Applicant Information</th>
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<tr>
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<td>Street Address</td>
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<tr>
<td>City ST ZIP Code</td>
</tr>
<tr>
<td>Home Phone</td>
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<td>Cell Phone</td>
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<td>E-Mail Address</td>
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<td>Email Address</td>
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<td>Date submitted</td>
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<tr>
<th>Qualifications</th>
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<tr>
<td>Summarize applicant's qualifications for award category. Attach additional pages if needed. Limit 3.</td>
</tr>
</tbody>
</table>

Mail to: Florida Chapter ISA • 7853 S. Leewynn Court • Sarasota, FL 34240 or fax to: 941-342-0463

Download this fill-in form to your computer, open on Adobe Reader to fill it in, save completed form and then attach to an email to jan@floridaisa.org, or print and either fax or mail to Florida Chapter ISA.
Hello Florida Chapter ISA Arborists!

I wanted to take a moment to introduce myself as your ISA Council of Representative (CoR) member for the Florida Chapter.

ISA’s worldwide professional membership network includes Associate Organizations, Chapters (that’s us), and Professional Affiliates. This network is collectively referred to as Components. The primary function of the CoR is to provide a forum for collaboration and cooperation between ISA Component organizations.

The CoR members represent the diversity of ISA members in their specific geographic regions and/or types of professional work in the arboriculture industry. So, I represent you! I am the conduit for information exchange between the Florida Chapter, the Components, and the ISA Board of Directors. Through CoR, I have the opportunity to communicate your concerns, initiatives, policies, and questions to the Board and within the Component network.

Through the input and support of Arborists like yourself, the CoR develops proposals to the ISA Board of Directors concerning:

- ISA policies, activities and other matters of organizational interest
- ISA educational and similar programs of benefit to the membership and the Society
- Processes and activities that foster the free exchange of ideas and information among the Component organizations and the membership

Please feel free to contact me (kpearson@fortlauderdale.gov) with your input and support regarding information, concerns, improvements, updates, discussions, etc. I am your voice and I am here to help serve the Arborists of the Florida Chapter – Internationally!

Kimberly Pearson
Florida Chapter ISA Municipal Arborist Representative
Florida Chapter ISA Council of Representative Member
Join us!

Our mission is to advance tree care businesses while increasing safety, professionalism, and raising the profile of the industry.

TCIA
VOICE OF TREE CARE

1938 - 2018

TRE E ★ C ARE
INDUSTRY ASSOCIATION

Figures accurate as of Jan. 1, 2018

$195 MEMBERSHIP
Fee to gain access to exclusive benefits, resources and deep discounts

80 TCIA
Years that the Tree Care Industry Association has been working to advance tree care businesses and the industry

15,148 EHAP
Electrical Hazard Awareness Program enrollees and certifications in the last 10 years

142 ASTI
Workshops awarded by the Arborist Safety Training Institute since its inception in 2015

8 ROCs
TCIA Regional Outreach Coordinators serve as local resources for our members

2,570 CTSP
Certified Treecare Safety Professional graduates since 2006

9,256 TREE CARE ACADEMY
Individuals enrolled and credentialed in the last 10 years

∞ RESOURCES
24/7 access to our ever-growing business, safety and arboriculture resources

452 ACCREDITATION
Branches representing 205 companies have earned and maintained accreditation since 2004

Contact us to begin your membership today!

online TCI A.ORG or call 800.733.2622
News From International

ISA Launches Updated Website
The International Society of Arboriculture announces the launch of an updated organization website. With a fresh modern look and improved functionality, the site presents a unified visual identity, brand, and message that is recognizable internationally. One of the primary goals of this upgrade was to create a positive online experience for everyone visiting the website. In addition to a new design, the website offers streamlined content structure providing users with readily-accessible information via improved navigation and a mobile-friendly platform.

“The ISA website is often the first point of contact for the public and our partners with our organization. It is also one of our primary tools to provide service to our members and credential holders,” says Caitlyn Pollihan, ISA Executive Director. “We are excited to showcase this new website and believe we have developed a resource that will enhance the online experience for all users by providing access to information quickly and reliably.”

Understanding that many of its online users may not be members or credential holders, the organization also focused on creating a website that serves as an intuitive roadmap to available resources, services, and programs offered by ISA in addition to helping promote the benefits of trees and the importance of hiring a tree care professional.

Click here to check out the new website
Click here to preview the changes

ISA Conference: Columbus Ohio!
It couldn’t be easier to decide to join ISA in Columbus Ohio for the 2018 International Conference - view 2018 conference educational session details on the conference app! Click here to open the app.

Conference dates:
August 5-8, 2018
Greater Columbus Convention Center
400 North High Street
Columbus, Ohio 43215-2099 (US)

Discounts for early registration end on Friday, June 8, 2018. Click here to register for the ISA International Conference.

Arrive Early!
Cheer on your Chapter’s climbers at the 2018 International Tree Climbing Championship!
August 3-5, 2018
Franklin Park, Columbus, Ohio

ISA Announces Location of 2020 Annual International Conference
Rocky Mountain Chapter to Host in Albuquerque, New Mexico

The International Society of Arboriculture (ISA) is pleased to announce that Albuquerque, New Mexico has been selected as the host city for the 2020 ISA Annual International Conference & Trade Show to be held August 9-12 preceded by the International Tree Climbing Championship (ITCC) August 7-9. The ISA annual conference has not been held in the western part of the United States since Portland, Oregon in 2012, so taking the conference back to that region provides more convenient access to the event for professionals who may not have had recent opportunity to attend. “We are looking forward to working with passionate volunteers and members in New Mexico and the Rocky Mountain Chapter to host our industry’s preeminent arboriculture and urban forestry education and networking event,” says Caitlyn Pollihan, ISA Executive Director.

Albuquerque is an appealing destination that will provide conference attendees and their families an opportunity to experience the authentic Southwestern United States. The Albuquerque Convention Center, with its recent renovations, offers competitive rates and plenty of nearby affordable hotel options. Roosevelt Park, the site of the ITCC, is a historic park providing a convenient location close to downtown and conference hotels.

The ISA international conference attracts nearly 2000 attendees including members and credential holders throughout North America, Europe, and the Asia-Pacific region. ISA impacts the tree care profession through research and education and administers the only internationally recognized certification for those individuals working in the arboriculture profession. The annual conference provides educational and continuing education opportunities along with networking events to connect the world of arboriculture.

27
OUR TEAM

JOHN HOLZAEPPFEL, CA, ACF, CF
(352)238-0917

ERIC HOYER, CA, RCA, CF
(863)670-0734

CHARLIE MARCUS, CA
(850)570-5963

JAY VOGEL, CA
(352)238-0458

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A DIVISION OF NRPS FOCUSED ON MANAGING THE URBAN FOREST

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- Tree Appraisals
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- Expert Witness Testimony
- On-site Tree Preservation
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- Street / Park Tree Inventory
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- i-Tree Analysis
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CREATING A LEGACY, GROWING YOUR FUTURE SINCE 1974

www.NRPSforesters.com
2018 Certification Exam Schedule

The FLORIDA CHAPTER of ISA is pleased to announce our 2018 schedule of Certification exams. See the chart below for the site nearest you.

There are currently no local exams open for registration – exams are scheduled throughout the year so make sure to check back on the website when they become available. The test schedule is subject to change as additional tests and review sessions may be added.

Can’t wait? Remember that the ISA Certified Arborist exam is now conveniently available at Pearson Vue Testing Centers throughout Florida for an additional test center fee. See the ISA International website for more information.

First-time applicants can apply online on the International ISA website.

***PREPAYMENT IS REQUIRED*** VISA/MC/AMEX accepted. US FUNDS ONLY

The pdf of the application form (to mail in) is part of the Certified Arborist Information pdf.

The ISA International office in Champaign, IL must receive your application and exam fees AT LEAST TWELVE BUSINESS DAYS before the exam date. NO EXCEPTIONS. (The ISA International office is closed New Year’s Eve, New Year’s Day, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and the day after, and Christmas week)

To purchase an ISA Certification Study Guide, call the Florida Chapter ISA at 941-342-0153 or order online

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Florida Arborist Summer 2018

**Florida Chapter ISA - 2018 Education Schedule**

*The schedule below is tentative and subject to changes.*

<table>
<thead>
<tr>
<th>Date</th>
<th>Seminar/Class</th>
<th>Location(s)</th>
<th>Open for Registration</th>
</tr>
</thead>
<tbody>
<tr>
<td>June 11-13, 2018</td>
<td>Trees Florida 2018</td>
<td>Sanibel Harbour, Fort Myers</td>
<td>Register Online</td>
</tr>
<tr>
<td>July 10, 2018</td>
<td>TRAQ Renewal in Tampa</td>
<td>This class is full</td>
<td></td>
</tr>
<tr>
<td>July 11-13, 2018</td>
<td>TRAQ (3-day class) in Tampa</td>
<td>Plant City</td>
<td>Register Online</td>
</tr>
<tr>
<td>July 18, 2018</td>
<td>TRAQ Renewal</td>
<td>Fort Lauderdale</td>
<td>Register Online</td>
</tr>
</tbody>
</table>
Welcome!

New Florida Chapter Members

Here are the individuals that joined the Florida Chapter during the first quarter of 2018. If you see a name from your area of the state, look up their phone number online* and give them a call. Introduce yourself and find out what aspect of arboriculture the new member is involved in. Let’s make the Florida Chapter friendlier. We’re all working in different ways for the same goals. Get to know other Chapter members. You might make some helpful connections for the future.

Janet Acevedo, Naples, FL
Franklin Adcock, Tallahassee, FL
Michele Ambler, Bonita Springs, FL
William Anderson, Clearwater, FL
Jose Barbosa, Coconut Creek, FL
Travis Beckwith, Tallahassee, FL
Dianne J Bessette-Bergemann, Deland, FL
Bradner Budd, Longwood, FL
Andrew Burnett, West Palm Beach, FL
Alexander Castelo, North Lauderdale, FL
Jason Chappell, Gainesville, GA
Adrian R Chavez, Saint Cloud, FL
Carolyn Cheatham Rhodes, Clearwater, FL
Paul Michael Chlapowski, St. Petersburg, FL
Nestor Colchin, Fort Lauderdale, FL
Lee Curtis, Chatham, Kent, UK
Matthew Dean Darnell, Penney Farms, FL
Michael Davidson, Tallahassee, FL
Raul Diaz, Tallahassee, FL
Victor Diaz, Tallahassee, FL
Robert “Miller” Ellison, Tallahassee, FL
Nicholas Farina, Fort Lauderdale, FL
Peter Fastuca, Gainesville, FL
Dustin Durrell Ferland, Sanford, FL
Daniel Ferrando, Cocoa Beach, FL
Joseph W. Ferris, Temple Terrace, FL
Bonnie Fiallo, Hollywood, FL
Matthew Gerron, Gibstonont, FL
Cathryn Glasgow, West Palm Beach, FL
Michael Greenhalgh, Palm Coast, FL
Omayra Guedes, Miami, FL
Steven Guinta, Coconut Creek, FL
Carl J. Hall, Knoxville, TN
Lisbeth Hamer, Port Richey, FL
Joseph Brian Hatchcock, Mims, FL
Jessica Havrilieko, Land O Lakes, FL
Michael Heacock, Delray Beach, FL
Diego Hernandez, Cairo, GA
James M. Herth, Saint Augustine, FL
Samuel C. Hill, Dallas, TX
Tyler Hoag, DeLand, FL
Alan David Holt, Panama City, FL
Ross Howsare, Pinellas Park, FL
Leon E Hunt, N Ft Myers, FL
Will Kaklis, Gainesville, FL
Tyler Kaulbars, Naples, FL
James H Keith, Panama City, FL
Billy G. Kelly, Fort Myers, FL
Jonathan Kies, West Palm Beach, FL
Ryan Krammes, Gainesville, FL
Frank Joseph Krens, Windermere, FL
Sergio Lopez, Southwest Ranches, FL
John Lyons, Palm Harbor, FL
Tanya Mandel, Savannah, GA
Charles Mayes, Palm Coast, FL
James Duncan McCue, Tallahassee, FL
James M McGeady, Tampa, FL
Kathleen L. McGovern, Saint Johns, FL
James McMurray, Seminole, FL
John McMullin, Naples, FL
Juan Guillermo Mejia, Miami, FL
Chris Melvin, Colbert, GA
Hope Miller, Fleming Island, FL
Anthony Obermayer, Altamonte Springs, FL
David Eugene Ogg, Parkland, FL
Lucas Pascual, Cairo, GA
James Paul Payne, Saint Petersburg, FL
George Allen Percifield, Gainesville, FL
Michael J. Phillips, Boca Raton, FL
James Michael Pruitt, Saint Petersburg, FL
Rick Richards, Myakka City, FL
Michael Rittenhouse, West Palm Beach, FL
David Rodriguez, Apopka, FL
Matthew Rogers, Plantation, FL
Raimundo Rueda, Pinecrest, FL
Bradley William Schenk, Tarpon Springs, FL
Michael K. Schrager, Davie, FL
Stephen Hunter Scully, Gainesville, FL
Alicia L. Souder, Okeechobee, FL
Alison Lee Summersill, DeBary, FL
Chris Thalasinos, Orlando, FL
Ryan Thomas, Arthurdale, WV
Ron Turner, Gulf Shores, AL
Nicholas Tindell, Apopka, FL
Clifton Neal Turner, Key West, FL
Jose Valbonese, North Venice, FL
Shawn Adam Welch, Charlotte, NC
Robert Young, Jr., Birmingham, AL

*Go to [http://www.isa-arbor.com](http://www.isa-arbor.com), then go to “Members Only” and log in. Then go to ISA membership directory. If you do not know your log in for members only, contact ISA headquarters at (888) 472-8733. Once you log in, you can update your address, check your CEU’s, edit or verify Certified Arborist information and search the membership list.

Letters to the Editor

We welcome your thoughts about Florida Arborist articles, about your Florida Chapter, or about tree issues in general.

Email your letters to:
jan@floridaisa.org

or mail to:
Florida Chapter - ISA
7853 S. Lee wynn Court
Sarasota, FL  34240

Please remember: Letters should be no longer than 300 words. We reserve the right to condense letters, or to edit as necessary.

An invitation to all members
to attend a
Board of Directors Meeting!
Call 941-342-0153
for specific times and locations

Up-coming 2018 Board Meeting - Dates & Locations
June 10, 2018 - Fort Myers • Sanibel Harbor
September 21, 2018 – Orange County Extension, Orlando
Arborist Certification Committee Report

By Norm Easy, Florida Certification Liaison

There are currently no local ISA certification exams scheduled in Florida during the first half of 2018. Click here to watch for future dates. The ISA Certified Arborist exam is also available at Pearson Testing Centers throughout Florida. See the ISA International website www.isa-arbor.com for more information about the various ISA arborist credentials and how to earn them.

Florida Chapter currently has 1947 Certified Arborists.

The Florida Chapter would like to congratulate the following 38 Florida or Florida Chapter individuals for earning their certifications as: Certified Arborist, Municipal Specialist and Utility Specialist:

<table>
<thead>
<tr>
<th>Certified Arborist</th>
<th>Municipal Specialist</th>
<th>Utility Specialist</th>
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<td>Michael R. McCoy, Key Largo, FL</td>
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Arborist Code of Ethics

Strive for continuous self-development by increasing their qualifications and technical proficiency by staying abreast of technological and scientific developments affecting the profession.

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Hold paramount the safety and health of all people, and endeavor to protect property and the environment in the performances of professional responsibilities.

Accurately and fairly represent their capabilities, qualifications and experience and those of their employees and/or agents.

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Support the improvement of professional services and products through encouraging research and development.

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