



Winter 2011
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Florida Chapter ISA Workday

*Mike Robinson
Florida Chapter Workday Chair*



Get your saws sharpened and your gear ready!! Mark your calendar!!

The sites for the 2012 Florida Chapter ISA Workday have been selected and, as always, the needy organizations are very deserving. The Workday will be held, rain or shine, on Saturday February 11, 2012. Once again the Board has chosen a deserving organization in

each of our states three regions, North, Central, and South. As always, work will begin at 8 AM. The organizations are responsible for lunch for the volunteer participants.

For the North region, the Mandarin Cemetery in Jacksonville was chosen. This cemetery is one of the oldest in Jacksonville with grave markers dating back to 1835. It is located at 12135 Mandarin Road, Jacksonville, just south of its intersection with Loretto Rd. They have asked us to trim dead wood, raise the canopy on several mature live oaks, and plant some new trees in various locations. Mike Robinson, (904) 497-3636) will be the coordinator on site for this location.

In the Central region, the ASAP Homeless Services in St. Petersburg has been selected. They are located at 423 - 11th Avenue S. in St. Petersburg. ASAP has been in operation since 1986 and they work to guide their clients in self-sufficiency and independent living. They have asked for general grounds and tree maintenance, mulching, and tree and shrub planting. You can see more information about them at www.ASAPHomeless.org. Richard Cervi, (727) 417-5873, will be serving as coordinator for this location.

Not to be forgotten, for the South region we are returning to Mounts Botanical Gardens in West Palm Beach (last year's Workday at Mounts was cancelled due to inclement weather). Mounts is Palm Beach County's oldest and largest public gardens; it is located at 531 N. Military Trail, West Palm Beach. They are part of Palm Beach's Cooperative Extension Service so they

[Workday continued on page 23](#)

A Message From the President

As we approach the end of another year, I can't believe how fast it has gone. I wish there was more time in the year to get more things done.



I reflect upon 2011 and I am amazed at and proud of what the Chapter has accomplished...

Jacksonville was the site of two big chapter events this past year. The Florida Chapter Tree Climbing Championship was held at Losco Park last March; it has grown to be an outstanding event. We also had another successful Trees Florida in early June.

Sales of the Chapter's TreesAreCool specialty license plate have been steady and are gathering further momentum. The Florida Chapter has continued to donate to the University of Florida Endowment; the total is currently at \$100,000. The end goal is to endow a chair at UF in order to continue Dr. Ed Gilman's research and education in arboriculture.

Florida Chapter membership has held its own; we have a good Membership Committee to help increase our numbers even more.

Florida was chosen as the site for the International ISA Conference in Orlando in 2015.

The Chapter had an official "TEAM FLORIDA" in this year's Tour des Trees comprised of 4 enthusiastic bike riders who raised over \$15,000 for the TREE Fund.

The Education Committee had another very successful year offering a wide variety of educational opportunities.

And much, much more.

Wow, if we only had a little more time... what we could've accomplished!

I just want to thank all of you for allowing me the honor to represent you and I must thank the Florida Chapter board and Norm and his staff for all their support throughout the year. The Board has been very active and many great ideas have been presented to move us ahead in the coming years.

Thanks, and remember "Trees Are Cool"!

Don T. Winsett



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INDUSTRY NEWS



Iowa State to Develop BioContainers

Iowa State University has been [awarded a grant](#) by the U.S. Department of Agriculture to develop biorenewable and biodegradable containers for the specialty crop industry.

The \$1.9 million grant will be used to develop bioplastic containers as an alternative to petroleum-based pots. Bill Graves, professor of horticulture, will lead the research team that includes David Grewell, associate professor of agricultural and biosystems engineering; Michael Kessler, associate professor of materials science and engineering; James Schrader, assistant scientist in horticulture; and scientists at the University of Illinois; University of Nevada-Reno; and Ohio State University.

“Nearly all specialty crops, including bedding plants, tomatoes and other vegetables, and containerized shrubs and trees that are purchased for residential gardening and landscaping, are grown and marketed in petroleum-based, conventional plastic containers. Few of those are recycled or reused,” said Graves. “Our vision is to provide sustainable alternatives that can meet the needs horticultural producers, and that will degrade harmlessly when installed with the plant in a garden.”

An estimated \$706 million could be saved annually by the specialty crop industry by converting from petroleum-based containers to bioplastic containers, Graves said. Other benefits include shifting resource revenue from foreign oil to domestic biorenewables and eliminating adverse environmental effects of petroleum-based plastics.



Manuka Oil Shows Promise as Natural Herbicide

Oil trialed on crabgrass, velvetleaf, pigweed, and other species of broadleaf and grass weeds

The current issue of the journal [Weed Science](#) reports on the possibilities of manuka oil as a natural herbicide. Distilled from the manuka tree, this essential oil showed good results in field tests as both a preemergent and postemergent herbicide. Field tests were conducted in Stoneville, Mississippi, against crabgrass, velvetleaf, pigweed, and other species of broadleaf and grass weeds.

Natural alternatives to synthetic herbicides are often essential oils, used after weeds emerge to “burn down” the undesired

plants. To be an effective herbicide, these oils often require multiple applications in high amounts. The cost of the oil and the cost of making numerous applications drive up the overall expense.

Manuka oil contains natural beta-triketones, which target the same plant enzyme as some commercial synthetic herbicides. With this component, small amounts of manuka oil can be combined with a commercial organic herbicide of lemongrass oil to achieve greater results. In this study, this combination made the lemongrass oil more potent in postemergent applications, causing as much as a 94 percent reduction in dry weight of remaining crabgrass collected.

However, it is the potential of manuka oil as a preemergent treatment that makes it an attractive option for developing a new natural herbicide. Large crabgrass growth was reduced 50 percent to 90 percent in the current study, depending on the dose of manuka oil used. No other essential oil currently in commercial use for weed control has shown such strong activity.

This study found that manuka oil and its main active ingredient, leptospermone, were stable in soil for up to 7 days, with half-lives of 18 and 15 days, respectively.

Source: *NMPro* ❖



Broad-spectrum insecticide receives EPA approval

Marrone Bio Innovations' product will be branded as 'Grandevo'

Marrone Bio Innovations (MBI) recently announced that the Environmental Protection Agency has approved its latest product, MBI-203 EP, which will be branded as Grandevo. It is a broad-spectrum, high-performance natural insecticide for use on agricultural and ornamental crops.

MBI-203 is initially being launched in Florida for insects such as citrus psyllid, following its approval from the Florida Department of Agriculture and Consumer Services. MBI intends to launch Grandevo nationally in 2012, and to market the product to growers and pest control advisors through its existing distribution channels.

Field trials conducted by universities and crop consultants have shown Grandevo has equivalent or better performance to chemical pesticides. It addresses a broad spectrum of insects (both chewing and sucking species), with a complex mode of action – ingestion, contact and repellency. For more information, visit MBI's [website](#). Source: *NMPro* ❖

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The Florida Chapter ISA Loses a Family Member

The Florida Chapter ISA lost a member of the ISA family recently with the passing of Loren Westenberger. Loren Westenberger passed away Saturday, November 5, 2011 at the young age of 52. Loren will be remembered for his many contributions to the Florida Chapter ISA and the arboriculture community. Loren was a founding member of the Florida Chapter, Board Director 1996 to 2001, Chapter President in 2001, and was the recipient of the highest award given by the Florida Chapter, the Bok Award for lifetime achievement in 2009. Loren was also active on numerous committees including those for Trees Florida planning and Education planning. Loren's first priority and primary advocacy was always the 'working arborist'. Loren was consistently passionate that the ISA Board continually provide for arborist training, especially safety education.



The ISA family will miss his affable personality, booming voice, bear hugs, his charismatic nature and the passion he brought to everything in which he was involved. He will truly be missed. Rest in peace dear friend.

A Memorial Service is scheduled for Saturday, November 19, 2011 at 11 AM, at The Unity Church of Clearwater, 2465 Nursery Road (Not the Unitarian Universalist Church/UU). There will be a pot luck celebration of his life following services at Westenberger Tree Service, 2030 58th St N. in Clearwater, 33760. Please bring a dish to share.

On Sunday, 11/20/11, there will be a Motorcycle Run to spread his ashes at his river house and along the Withlacoochee River. Participants will meet at Westenberger Tree Service, at 8 AM (address above). ❖

TREE-KILLING PATHOGEN

TRACED BACK TO CALIFORNIA

Genetic detective work by an international group of researchers may have solved a decades-long mystery of the source of a devastating tree-killing fungus that has hit six of the world's seven continents.

In a study published in the peer-reviewed journal *Phytopathology*, California emerged as the top suspect for the pathogen, *Seiridium cardinale*, that is the cause of cypress canker disease.

It was in California's San Joaquin Valley in 1928 that *S. cardinale* was first identified as the culprit causing the disease. The fungus has made its way since to Europe, Asia, New Zealand, Australia, South America and Africa. In many regions, the pathogen has infected and killed up to 95 percent of native trees in the cypress family, including junipers and some cedars.

"The fungus was likely introduced from California either in the South of France or in Central Italy 60 to 80 years ago, and that introduction resulted in a global pandemic that has devastated the region's iconic Italian cypress trees," said Matteo Garbelotto, adjunct associate professor and cooperative extension specialist in ecosystem sciences at the University of California, Berkeley.

The fungus kills a tree by entering through cracks in its bark, producing toxins that wreak havoc with its flow of sap and choke off its supply of water and nutrients. The disease has left an indelible mark throughout Southern Europe.

"Italian cypress trees are important to the ecosystem, but they are also considered the quintessential trees of the Mediterranean, the ones that dot the Tuscan countryside and that form the landscape of much of Greece, the South of France and Spain," said study lead author Gianni Della Rocca, researcher at the National Research Council in Florence, Italy. "It is difficult to put a price tag on the impact this pathogen has had. It's hard to imagine the Tuscan or Provence landscape without cypresses."

The relatively sudden appearance and destructiveness of the disease in Europe pointed to an exotic pathogen, but scientists didn't know where it came from. Tracing the origins of the pathogen back to California took some genetic sleuthing by Garbelotto, Della Rocca and their colleagues Catherine Eyre, a UC Berkeley post-doctoral researcher in ecosystem sciences, and Roberto Danti, a researcher at the Italian National Research Council.

Read the rest of the story [here](#). Reprinted with permission from NMPPro. ❖



Trees4Florida Public Service Announcements Available at www.treesarecool.com

With the devastation to trees in Florida by hurricanes, storms and fires, millions of dollars in valuable tree resources have been lost, particularly within the past several years. Jointly, the Florida Urban Forestry Council (FUFUC) and the Florida Chapter of the International Society of Arboriculture (FC-ISA) developed the Trees-4Florida program which focuses on making the public more aware of the need to be vigilant in safeguarding our trees and preserving Florida's greatest green resource.

The Trees 4 Florida program has produced a variety of Public Service Announcements (PSAs) available for anyone to free of charge. Included in the campaign are English and Spanish print-quality and broadcast-quality PSA ads and spots. Include them on your website, flyers or any promotional material.

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Consultant's Corner

by Joe Samnik, Consulting Arborist



THERE'S A NEW SHERIFF IN TOWN

Among the new publications of note to arborists is ANSI A300 (part 2) - 2011 (Soil Management- a. Modification, b. Fertilization, and c. Drainage). If you fertilize trees, or write specificity regarding the fertilization of trees, this is a new publication you must have in your library. You may obtain a copy of this publication from the Florida Chapter ISA office.

At first it must be realized that this standard, along with other ANSI

standards, is strictly voluntary, however once it is mentioned in a contract or in a set of specifications which are awarded to a successful bidder the terms become binding and contractual. The argument can be made that if these standards are not a part of specifications they are nonetheless a reasonable starting point which you knew or should have known existed prior to your fertilization efforts. This is an important distinction especially for consultants. The mere fact that this particular standard is not mentioned in a set of specifications does not mean that it should have been omitted, a reasonable professional has a duty to stay current with the latest standards of our industry. You will no doubt find yourself explaining why you did not list a national standard should it be omitted from your specificity regarding fertilization.

This particular standard assumes that the author has a modicum of knowledge regarding fertilizer analysis, ratios, calibration knowledge, and application methodology. Many of us do not have this knowledge. The biggest limiting factor to applying this particular standard is centered on the knowledge of how to read a fertilizer label. For instance, if a fertilizer is required to have a minimum of 50% WIN how does one discover from reading the fertilizer label if that particular

The mere fact that this particular standard is not mentioned in a set of specifications does not mean that it should have been omitted.

product meets the specification? The answer is the value shown on the fourth indented line under the word Nitrogen. Another basic problem which almost always surfaces is how to calculate the square feet located within the Treatment Area. The answer is found in the mathematical formula which we have all heard of $1,000$ times, pi times r^2 . Pi is a number typically expressed as 3.1416, however the ancient Egyptians built the pyramids with pi being 3.0. Due to the fact that most of the pyramids are still standing it may become incumbent upon us to use 3.0 as a factor in calculating the amount of fertilizer needed to apply on $1,000$ ft.². The radius is the length which equals one half the diameter of the tree canopy. Let us assume that a tree needs to be fertilized and this subject tree has a 30 foot canopy radius: $\text{Pi (3.0)} \times \text{the radius}^2 (30 \times 30) = 3.0 \times 900 = 2,700$ square feet.

The standard then admonishes that a slow-release fertilizer should be applied at rates between 2 and 4 pounds of actual nitrogen per $1,000$ ft.², per application within a 12 month period.

Now that it is known that $2,700$ ft.² is the area which has to be fertilized, [Consultant's Corner continued on page 25](#)

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The following article is provided in English and Spanish

THE COSTS OF MANAGING AN URBAN FOREST

By Francisco Escobedo, School of Forest Resources and Conservation, University of Florida, Gainesville and Henry Mayer, Miami Dade IFAS Extension Agent

We all love and care about trees but in these times when many cities and municipalities are filing for bankruptcy it is very important to understand the real cost of managing the urban forests in our communities. Urban forests provide numerous benefits to society. They improve human health, environmental quality, and even local economies by increasing property values and aesthetics in communities. Research has shown that urban forests help cities control storm water, reduce air pollution and energy costs, and offset carbon dioxide emissions.

Urban forests, however, do present some associated costs of their own so we need to manage for and mitigate their occasional harmful effects on natural forests and people (Table 1). Understanding these costs is just as important as determining the benefits of an urban forest. An accurate assessment of an urban forest’s costs can assist decision makers to better understand the role the forest plays in improving the well-being of the community. Identifying how funding is used can also help communities minimize costs and increase benefits.

Table 1. Types and Examples of Common Costs Associated with Urban Forest Management

Types of Costs	Examples
Economic and Financial	<ul style="list-style-type: none"> • Pruning, planting, replacement, and removal of trees; emergency transplants; pest and disease management and irrigation • Damage to urban infrastructure (telephone and electricity cables, sidewalks, roads, private property) • Higher property taxes when trees increase home values • Foregone real estate revenue • Increased energy use when trees block sunlight • Storm debris and tree litter removal • Medical care costs due to illness, bites, etc.
Social Nuisances	<ul style="list-style-type: none"> • Allergenic plant structures (particularly pollen) • Habitat for disease vectors (mosquitoes, ticks) • Undesirable wildlife • Obscured views, foregone opportunities (gardening, sports), and unattractiveness • Crime, risks, and hazards to humans from trees • Increased wildfire risk
Environmental Degradation	<ul style="list-style-type: none"> • Reduced water quantity, quality; increased consumption • Increased use of fertilizers • Increased energy consumption due to maintenance • Increased air pollution emissions from tree management and maintenance activities • Volatile Organic Compounds and other emissions from plants that can indirectly create smog • Displacement of native species and ecosystems by establishment of urban forests

Urban Forest continued on page 15

El siguiente artículo está escrito en Inglés y en Español.

CUÁNTO CUESTA EL MANEJO UN BOSQUE URBANO?

By Henry Mayer, Miami Dade IFAS Extension Agent y Francisco Escobedo, School of Forest Resources and Conservation, University of Florida, Gainesville

Todos nosotros defendemos y abogamos por los árboles, pero en estos tiempos de dificultades económicas donde muchas ciudades y municipios están con escasez de recursos es muy importantes determinar cuál es el verdadero costo de administrar y manejar el bosque urbano en nuestras comunidades. Los bosques urbanos proporcionan ventajas numerosas a la sociedad. Mejoran la salud humana, la calidad ambiental, e incluso a las economías locales aumentando los valores de bienes raíces así como la estética de una propiedad. También, varias investigaciones han demostrado que los bosques urbanos ayudan a las ciudades en muchos aspectos como: controlando la precipitación excesiva, reduciendo

la contaminación atmosférica y los gastos energéticos, así como las emisiones del dióxido de carbono.

Los bosques urbanos, sin embargo, presentan algunos costos asociados a su mantenimiento. Estos costos los tenemos que saber manejar con el fin de minimizarlos para que no se conviertan en montos excesivos (cuadro 1). Entender bien y tomar en cuenta estos costos es tan importante como determinar los beneficios del bosque urbano. La identificación de cómo se utilizan los fondos puede ayudar a las comunidades a reducir al mínimo los costos y a aumentar así los beneficios del bosque urbano.

Cuadro 1.- Los tipos y ejemplos de costos comunes asociados a la gerencia del bosque urbano

Tipo de Costo	Ejemplo
Economico y Financiero	<ul style="list-style-type: none"> • Poda, siembra, reponer, y remoción de árboles; trasplantes de emergencia; manejo de insectos y enfermedades; e irrigación. • Daño a la infraestructura urbana (cables de teléfono y electricidad, aceras, via, propiedad privada) • Remoción de escombros y basura debido a los huracanes • Costo médicos debido a enfermedades • Impuestos adicionales cuando los árboles aumentan el valor de la propiedad • Sombra excesiva puede causar aumento en uso energético • Presencia de árboles elimina la posibilidad de ingresos de bienes raíces
Comunitarios y Sociales	<ul style="list-style-type: none"> • Problemas alérgicos (particularmente polen) • Morada para vectores de enfermedades (mosquitos, garrapatas) • Morada para animales silvestres no deseados • Bloqueo de vistas para deportes, jardinería, etc • Crimen, riesgo, y peligro para humanos • Incrementa riesgo de incendios
Impactos Ambiental	<ul style="list-style-type: none"> • Incrementa uso de agua en casos • Incrementa uso de fertilizantes • Incrementa el uso de energía para el mantenimiento de los árboles • Incrementa contaminación ambiental debido a las actividades de mantenimiento • Emisiones de compuesto orgánicos que aportan a la formación de ozono • Reemplazo de especies nativas por nuevos bisques urbanos

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TREE Fund Update



Eric Hoyer, Andy Kittsley and Mike McCoy

Congratulations to 2011 TEAM FLORIDA Tour des Trees Riders!

We did it, TEAM FLORIDA riders!

This fall three members of the Florida Chapter ISA, Eric Hoyer, Andy Kittsley and Mike McCoy along with Sue Rowland (an additional tree lover from Tallahassee) participated in a yearly ritual that is often misunderstood, feared by many, yet always honored among our peers. We each cycled the 485 miles of the TREE Fund's Stihl Tour des Trees! This year's ride was a scenic adventure through the Virginia countryside beginning in Virginia Beach and ending in Washington DC. The route wound through historic places like Colonial Williamsburg and Monticello, through small towns like Front Royal and big Cities like Richmond, and countless places in between.

Through the week-long adventure we had a lot of fun, though at times (typically while struggling up the side of a mountain) wondered why we had spent our vacation time for such madness. And what was the reward that each of us received? Some very sore legs and the knowledge that the TREE Fund has a fresh supply of funds available to keep our industry moving forward despite these tough economic times. In order to partake of this journey each rider raised a minimum of \$3,500. The four TEAM FLORIDA riders collected a grand total of \$15,089; funds raised by all 65 Tour riders this year totaled over \$457,000, all of which went to the TREE Fund (the tour sponsors covered all of the costs of the tour itself).

As members of the Florida Chapter ISA, you all are both benefactors and recipients of the TREE Fund. As a benefactor/donor, this year the Chapter donated \$1,000 towards each TEAM FLORIDA rider's fundraising goal. You are all recipients in that the TREE Fund has awarded Dr. Ed Gilman of the University of Florida, one of our Chapter's leading arboricultural researchers and speakers, some of the highest level of TREE Fund grants of any individual or organization in the country.

So, **thank you** to all Florida Chapter members who helped us reach our fundraising goals, and a special **thank you** to all of our friends who contributed to our fundraising efforts individually. We look forward to another year of seeing the benefits of new discoveries made possible by TREE Fund financing. We hope to see a few of you join us on TEAM FLORIDA for the Tour des Trees next year! ❖



Mike McCoy, Sue Rowland, Eric Hoyer and Andy Kittsley

Tree Fund Update continued from page 13

2011 STIHL Tour des Trees a Record-Breaker

The 2011 STIHL Tour des Trees finished its 500-mile trek through Virginia October 8 at American University in Washington DC, where the cyclists blessed the last of a record 45 new trees they'd planted during the week and presented a check for a record \$457,020 to TREE Fund President Mike Neal.

October in Virginia proved to be nearly perfect for cycling. STIHL's Roger

Phelps and 3-time ITCC world champion Mark Chisholm led the Ride for Research out of the Virginia Aquarium and Marine Science Center October 2 under chilly, drizzly skies, but the day was brightened by the enthusiasm of local riders and Team STIHL. The Tour's title sponsor pulled out all stops to ensure that the Virginia Beach events were fully staffed with volunteers, well stocked with refreshments, memorable for their "special effects" (a fire truck at the lead, a rock band at the finish) and fun. TREE Fund Partner Dominion also provided a hybrid bucket truck to escort the Ride for Research. Six new trees were planted that first day, and Celina and Cheyanne Harris, daughters of Dominion's Bonita Harris, will long remember their tree plantings with the Tour and their ride on the fire truck.

Historic sites and trees dotted the 2011 itinerary. Tree plantings at Colonial Williamsburg and Monticello gave veteran Tour riders an opportunity to revisit trees they'd planted in 2000. On Tuesday Richmond's Bob Bluford, a 92-year-old advocate for the preservation of historic Virginia land, turned out to tell the story of gathering the last acorns from the 400+ year old "Lee Tree," a massive oak under which Robert E. Lee conferred with his officers during the civil war. Hurricane Isabel felled the original Lee Tree in 2003, but a sapling "Lee Tree" propagated from an acorn from the original and, planted and blessed by the 2011 STIHL Tour des Trees, now graces the grounds of Virginia's state capitol.

The educational opportunities created by the Tour's October timeline provided some of the most memorable moments of the ride. Toronto arborist and veteran Tour rider Warren Hoselton, aka Professor Elwood Pricklethorn ("Arborifessor Extraordinaire"), captivated school kids in Palmyra and Leesburg with his engaging reenactments of photosynthesis and his tuneful entreaties to "give trees a chance".

Volunteers from Dominion distributed tree seedlings and coloring books to children at both events and helped plant the largest tree of the Tour at Ida Lee Park in Leesburg. Crown

Sponsor Bartlett Tree Experts donated 500 copies of Bonnie Worth's "I Can Name 50 Trees Today" to the 2011 Tour, which were distributed to schools and libraries along the Tour route and to the State Arboretum of Virginia.

Thursday's 12-mile continuous ascent to Skyline Drive was the ride's biggest challenge, and those who conquered "The Escarpment" on two wheels were hailed as heroes at the top. The reward was an 8-mile serpentine descent to the hotel and dinner at the Front Royal home of Tour rider Tom Armstrong.

The Tour reached Washington, D.C. on Saturday, October 8. The cyclists were given a warm welcome at the National Arboretum, where they planted a rare hybrid maple, *Acer griseum* x *A. pseudoplatanus*, a spontaneous cross of paperbark and sycamore maple. Casey Trees hosted the Tour for lunch at their new headquarters in DC, and then sent them on their way to American University, where award-winning environmentalist, author and Rolling Stones keyboardist Chuck Leavell delivered the keynote address at the closing ceremonies. The Tour and the University community were treated to an outdoor concert sponsored by STIHL at the University amphitheater, featuring the Tom Principato Band with Leavell on keyboards for the last set.

Photos from the VA2DC Tour are posted on the website at www.stihltourdestrees.org. Rookie Tour rider (and talented photographer) Helen Steussy also captured her experience in beautiful detail in her blog. Find a link on the Tour website and at www.treefund.org

The fundraising campaign for the VA2DC Tour continues through Dec. 30. This year's goal of \$500,000 is within reach. Your donation will make a difference in the TREE Fund's 2012 research budget and help a Tour rider reach their "personal best" in fundraising as well as hill-climbing. Donate today at www.stihltourdestrees.org. ❖

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Urban Forest continued from page 10

Examples of economic and financial costs



Urban trees require cities to invest in personnel, equipment, gasoline, and other maintenance necessities. According to a national study from the 1980s, the size of the city had no relation to the percentage of the budget allocated to tree care, but the region in which the city was located did. In 1986, the United State's national mean annual expenditure was \$10.62 per public tree and approximately 0.5 percent of the total municipal budget was allocated for tree care. Thirty percent of the total tree care budget was allocated to pruning, 28 percent to removal and disposal, and 14 percent to plantings. Larger cities devoted more to administrative expenses than did smaller cities. For example, urban forest management expenditures

in Modesto, California (population 183,000), which has a temperate, Mediterranean climate, represented 2 percent of the city's total operating budget. Total annual costs for urban forest maintenance cannot be predicted based on population alone since those costs vary according to many other variables such as weather conditions and local policies and objectives.

In 2007 it cost \$1,559,932 to care for Gainesville's public urban forests or approximately \$10.57 per public tree (assuming approximately 3 million trees larger than 1 inch in diameter). National estimates for tree costs range from \$12.87 to \$65 per tree. Table 2 presents some typical costs associated with management of public urban forests in the city of Gainesville, Florida. Annual cost information was acquired from on-site interviews, e-mail and written correspondence and phone calls with the city arborist, Gainesville Regional Utilities (GRU), the Public Works Department, and the city claims adjustor.

Table 2. Annual financial costs of management activities for the city of Gainesville Florida's public urban forest based on 2007 estimates

Expenditure Item	Cost
Total municipal budget for entire city	\$92,183,600
Planting (public and private)	\$695,470
Pruning	\$240,270
Pest and disease control	\$626
Establishment and irrigation	\$37,540
Stump removal and disposal	\$134,700
Repair infrastructure damage	\$285,000
Litigation and settlements due to tree-related claims	\$5,0002
Storm/litter clean-up	\$73,550
Inspection/answer service requests	\$31,090
Program administration	\$40,640
Outreach and grants	\$16,040

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Urban Forest continued on page 20

Urban Forest continued from page 11

Ejemplos de costos económicos y financieros



Los árboles urbanos requieren que las ciudades inviertan en personal, equipo, gasolina, y otros rubros. Según un estudio a nivel nacional de los años 80 se encontró que el tamaño de la ciudad no tenía ninguna relación con el porcentaje del

presupuesto asignado al cuidado del árbol. No obstante, la región en la cual la ciudad estaba situada sí tenía relación directa. Para el año 1986, el gasto anual promedio en los Estados Unidos por árbol sembrado en lugares públicos fue de \$10.62. Aproximadamente 0.5 por ciento del presupuesto municipal total fue asignado para el cuidado del árbol. El treinta por ciento del presupuesto total del cuidado del árbol fue asignado a la poda, al 28 por ciento a la remoción y eliminación, y el 14 por ciento a la siembra. Las ciudades más grandes dedicaron más recursos a costos administrativos comparado con ciudades más pequeñas. Por ejemplo

los gastos de mantenimiento del bosque urbano en la ciudad de Modesto, California (población 183.000), clima templado, mediterráneo, representa solo el 2 por ciento del presupuesto operacional de la ciudad. No obstante, los costos anuales totales para el mantenimiento del bosque urbano no se pueden predecir basados solamente en la población puesto que esos costos varían mucha según otras variables tales como las tormentas y sequías, así como las políticas y objetivos locales.

Para 2007 el mantenimiento del bosque urbano en lugares públicos le costó a la ciudad de Gainesville Florida \$1.559.932 o aproximadamente \$10.57 por el árbol (si se asume 3 millones de árboles mayores de 1 pulgada en diámetro). Algunas estimaciones nacionales van de \$12.87 a \$65 por árbol. El cuadro 2 presenta algunos costos típicos asociados al mantenimiento del bosque urbano en la ciudad de Gainesville. Esta información fue adquirida por entrevistas, emails, correos y llamadas a el Arborista de la ciudad, las compañías de servicio público/energético de Gainesville (GRU) y al departamento de obras públicas.

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Cuadro 2.- Estimaciones de los costos anuales por concepto de mantenimiento del bosque urbano en la ciudad de Gainesville para el año 2007.

Costo por Item	Costo
Presupuesto total para la ciudad	\$92,183,600
Siembra (áreas públicas y privadas)	\$695,470
Poda	\$240,270
Control de plagas y enfermedades	\$626
Irrigación y establecimiento	\$37,540
Remoción y bote de tocón de arboles	\$134,700
Reparación de daños a infraestructura	\$285,000
Litigación y pagos por daños y demandas	\$5,0002
Limpieza de escombros debido a huracanes	\$73,550
Inspecciones/respuesta a pedido de servicios	\$31,090
Administración del programa	\$40,640

Urban Forest continued on page 27

2012 TREE CLIMBING COMPETITION



Greetings to all professional tree climbers, tree workers and company owners within the arboricultural community of Florida. The 2012 Florida Chapter ISA's Tree Climbing Competition Committee would like to announce the 2012 Florida Chapter TCC. This year's event will be held at Amberlea Park, Dunedin, on Saturday March 3, 2012.

Volunteers are needed for site preparation, event assistance and judging. [Click Here For Volunteer Forms](#)

Donations are welcome! Various **sponsorship levels** are available. Contact Adam Jackson for full details and benefits. [Click Here For Sponsor Forms](#)



The Florida Tree Climbing Committee officially invites all interested climbers to compete for the 2012 FC-TCC; the Master Challenge winner(s) (male and female) will represent the Florida Chapter at the International Tree Climbing Championship which will take place in Portland, Oregon on August 11 – 12, 2012. This is an excellent opportunity to learn modern climbing techniques and display your abilities. Please submit your entry early to ensure a spot on this year's roster; SPACE IS LIMITED TO 35 CLIMBERS. Do not delay!

FCTCC Chairman: Adam Jackson, E-mail ajackson@valleycrest.com

FCTCC Setup Chair: Danae Jackson, E-mail danaeljackson@gmail.com

FCTCC Organization Chair: Kim Paulson, E-mail hortensia6@aol.com

FC-TCC Local Contact: Tom Hanson, Email CODIT2@aol.com

FC-TCC Committee Members, Tim Murray, Email tim@murraystreeservice.com

Please contact the above listed Committee members or the Florida Chapter directly if you have any questions about competing or if you can contribute to this exciting annual event. We all look forward to seeing Florida's best compete for the right to represent our Chapter in Portland in August 2012.

SITE:

Amberlea Park
1680 Amberlea Drive N.
Dunedin, FL 32258

COMPETITION: Saturday, March 3, 2012

FEES: \$75.00 ISA Member \$95.00 Non-Member

DEADLINE: February 17, 2012 - No Exceptions

MAIL, FAX or EMAIL the REGISTRATION FORM, WAIVER FORM & PAYMENT TO:

(make checks payable to Florida Chapter ISA or include ALL credit card information)

Florida Chapter ISA
7853 S. Leewynn Court
Sarasota, FL 34240

FAX: 941-342-0163

EMAIL: floridaisa@comcast.net

2012 Tree Climbing Championship Prize Package

The 2012 ArborMaster® Climbing Prize Package for the Tree Climbing Champion(s) of the Chapter's 2012 Tree Climbing Championship (FC-TCC) event will be announced in January.

This prize package will be offered to each chapter champion (male and female)! The package is intended to help equip the chapter winner(s) for the International Tree Climbing Championship (ITCC) Competition in Portland in August 2012.

Plan a Visit to the Newly Updated TreesAreCool.com Website!



With the growing number of Trees AreCool specialty license plates on the road now (we know you all watch for them!) the Trees Are Cool website has been updated with a fresh new look and updated

information. Click on the handy links to order your plate right online, locate Tree Care information and access all of the web-ready banners to place on your own website to help promote the plate (find them under the first button “TreesAreCool License Plate Info”).

Stop on by www.treesarecool.com and check out the changes. And while you are there go ahead and order your plate if you don't have one yet! ❖

Florida Chapter ISA Unveils Online Learning!

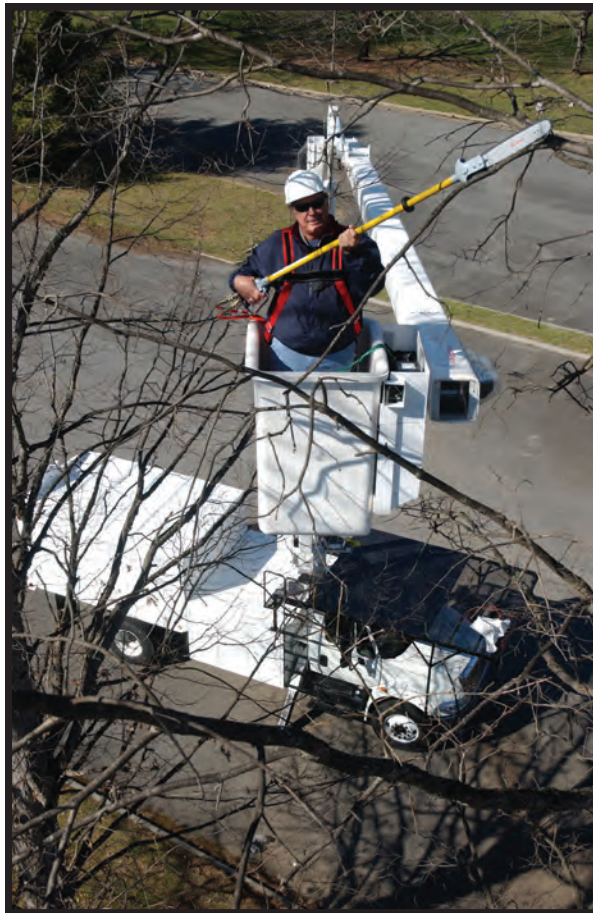


The hard work has paid off! The much-awaited online learning program is about to launch! The Florida Chapter invites you to look into earning CEUs right in the comfort of your own desk chair.

Online classes are affordably priced at just \$30/hour; available classes range from 1 to 2-1/2 hours in length on a variety of subjects. More classes will be added as they are created, so check back throughout the year. Available classes currently offer CEUs for the Certified Arborist, Tree Climber Specialist, Municipal Arborist and Board Certified Master Arborist.

We look forward to hearing how you like this new program! Send us an email telling us what you think! ❖

We look forward to hearing how you like this new program! Send us an email telling us what you think! ❖



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[Urban Forest continued from page 15](#)

Increase Benefits, Reduce Costs

Communities can increase the benefits of the urban forest and decrease the costs listed in this fact sheet by following a few clear guidelines for proper management and care:

- Determine and prioritize long-term objectives and a desired future condition for your urban forest (plan for future windstorms, droughts, fires, and decreasing budgets)
- The less maintenance a tree requires, the lower its financial and environmental costs (use low-maintenance, drought-resistant trees, and reduce gas or diesel use);
- Trees in harsh urban sites will incur greater financial and environmental costs than established trees growing in natural areas;
- Longer-lived trees will reduce costs and delay removal for a longer period of time;
- Preserving existing forested areas and groups of trees that are large and well-established should take precedence over planting new trees whenever possible (established forests need less maintenance and create fewer environmental costs);
- Assess tree condition and identify and deal with hazard trees appropriately (remove hazardous trees in poor condition during building development activities);

- Understand your community's attitudes and perceptions towards urban forests;

Conclusion

Understanding both benefits and costs is needed when managing urban forests. Seeking public participation to determine perceived costs and benefits of trees will prevent many future problems and allow others to be handled quickly and with an improvement in public understanding and appreciation of the urban forest. Each management decision has its potential drawbacks (for instance, deciding to increase tree densities for wind resistance and carbon offsetting may also increase the likelihood of complaints about wildfire hazard or undesirable wildlife and insects). Preserving low-maintenance, publically acceptable, larger trees in good condition provides the clearest benefits to communities, but widespread investment of resources to manage and maintain the entire urban forest will also benefit residents. In Gainesville as in other communities, an accurate assessment of the costs of the urban forest and careful management to reduce those costs will enhance the forest's benefits to the community.

This Article based on the UF/ IFAS Fact Sheet FR279 ❖

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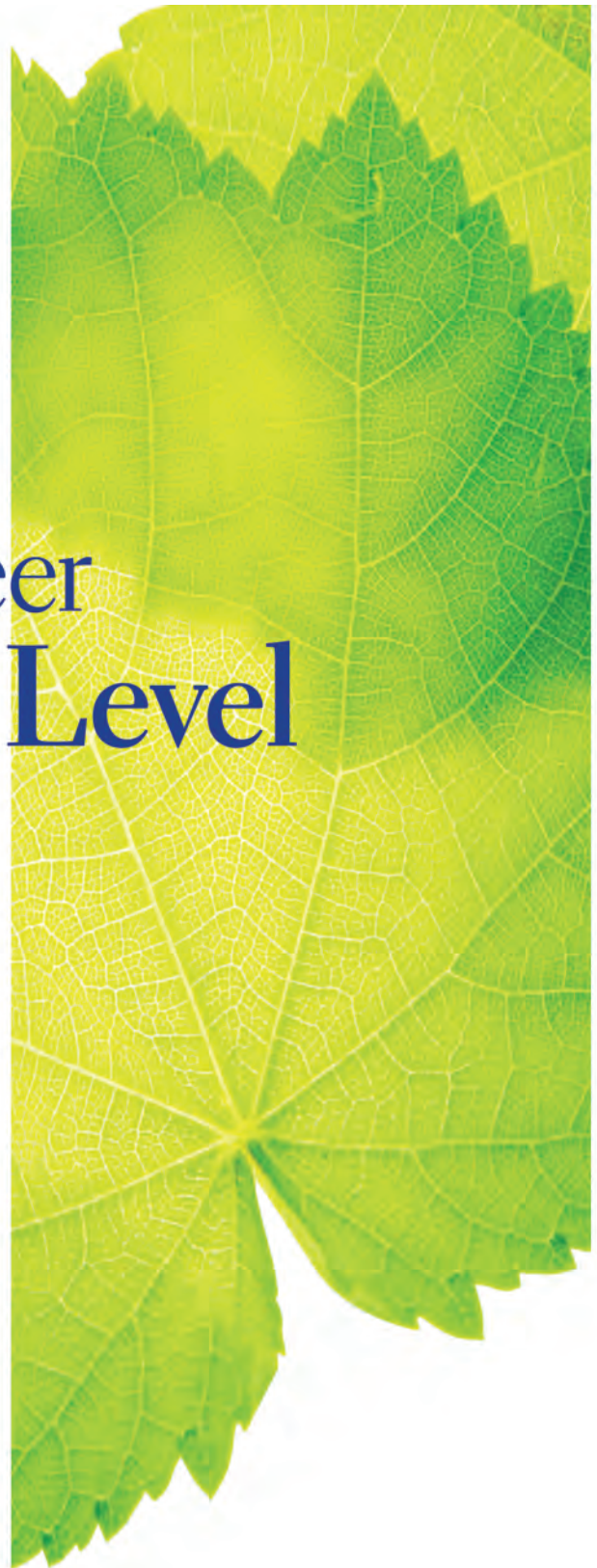
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ASCA's 2012 Consulting Academy is the most comprehensive training experience for arborists who consult—as well as those ready to start consulting. Don't miss out on this opportunity to participate in interactive workshops and lectures designed to help you obtain the knowledge and skills to run a successful consulting practice. You'll learn:

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- Types of insurance that will shield your business
- The details of cost accounting
- The ethics of consulting
- How forensics applies to arboriculture and environmental consulting
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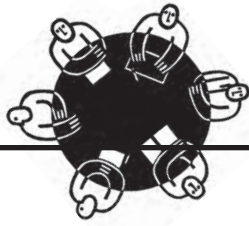
And, each student will have one-on-one time with their own coach. Space is limited. Visit www.asca-consultants.org to register today.



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Visit asca-consultants.org for a full list of benefits.



Florida Chapter Board Updates

BOARD SHORTS:

Letter to the Florida Chapter ISA Board of Directors

To the Florida Chapter Board of Directors,

It was a pleasure and honor to sit with you at the most recent meeting held in Fort Lauderdale. Your dedication to our chapter is exemplified by your attendance and participation. I have full confidence based on my observation of yesterday's meeting that our chapter is in good hands and the future of arboriculture in Florida is bright.

Thank you for the work that all of you do on behalf of our chapter

Forever greener spaces,

Michael Zimmerman
Zimmerman Tree Service
West Palm Beach, FL

Ballots to be counted!

Thanks to all Florida Chapter members who submitted their ballots by the November 14th due date. Ballots will be counted by current board members; newly elected board members will be announced on the [Florida Chapter website](#) and in the first issue of the Florida Arborist in 2012. Thank you to those who ran for a position for the upcoming year. Your dedication to the Florida Chapter is appreciated by all. ❖

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Healthy trees benefit wildlife, increase property values and help cool and clean the air. The Florida Chapter of the International Society of Arboriculture, a non-profit organization, is committed to serving the needs of Florida's professional arborists and tree-care consumers. The TreesAreCool license plate revenues benefit our urban environment of Florida through tree research, the on-going education of tree-care practitioners, and by providing public education programs about tree care and preservation.



You do not need to wait for your current plate to expire. Do your part and order your TreesAreCool plate today!



How to Order Your TreesAreCool Specialty Plate

In person: You can select and pay for your TreesAreCool specialty license plate in person at your county tax collector office.

By mail: Complete and return this form with your vehicle registration renewal notice and a check for an additional \$58 (\$25 annual donation, \$5 annual state fee and a one-time new plate fee of \$28). If your renewal notice indicates that it is time to replace your license plate, do not include the \$28 new plate fee.

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The TreesAreCool program is administered by the Florida Chapter of the International Society of Arboriculture (ISA).

Workday continued from page 1

impact many local residences for a variety of topics. They feature plants from six continents with such plants as tropical fruits, and Florida natives for edible landscapes. They have asked us to provide general tree maintenance. Mike Zimmerman, (561) 968-1045, is serving as the local coordinator for this location. More information about the Gardens is available at www.mounts.org.

As you can see we have a trio of deserving organizations to serve for this coming event... let's have a great showing of our arborists and tree workers to showcase our profession and professional abilities! While we have your attention, what about the organizations you know of and see in your own town? They may be an organization you have worked with, used personally, or just know them to be a needy organization that does tremendous work with ever tightening budgets that is near and dear to your heart. Check out our website, www.floridaisa.org, and give them an application for next year's, 2013 Chapter Workday Event. I would love to see the day when we can coordinate even more of locations throughout the state!!!❖

Florida
e-Tree News



The Florida e-Tree News is a free monthly e-letter sent out by the Florida Chapter ISA. It is intended to inform arborists, tree care workers, landscape architects and other green industry professionals of up-to-date arboriculture information in the state of Florida.

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News From International

Renew your ISA membership today

Renew your 2012 ISA membership now to avoid a lapse in service in January. If you're a member from the U.S. you can [renew online](#).

Plans in Progress for the 2012 Annual Conference - Reserve Your Hotel Room Today!



The ISA Pacific Northwest Chapter will host the 2012 ISA Annual Conference & Trade Show in Portland, Oregon, U.S.A. on August 11-15. The educational sessions, the trade show, and other conference activities will be held at the Oregon Convention Center in downtown Portland.

Also join us in Portland's beautiful Laurelhurst Park, the site for the

2012 International Tree Climbing Championships. The competitions will be held on Saturday and Sunday, August 11 and 12. If you are interested in volunteering as an ITCC official, please email itcc@isa-arbor.com.

Start planning now to attend by reserving your hotel room. The conference headquarters hotel is the DoubleTree Portland. ISA has also blocked discounted rooms at three other hotels near the convention center. Hotel reservations can be made now through the [ISA online reservation website](#). Discounted room rates are available until July 13, 2012.

Watch the [ISA conference website](#) for more conference updates and registration information. ❖



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RPG Growers are committed to enhancing the image and quality of field-grown trees through the hardening-off process. Research continues to show that hardened-off field-grown trees are more wind resistant than container-grown trees, use water more efficiently at planting, establish faster after planting, and when planted with container trees in a situation of limited water or irrigation will have dramatically higher survival rates.

To Subscribe to the RPG Times Newsletter or to request copies of the Tree Grading, Planting or Pruning Cue Cards contact an RPG member or visit www.rootsplusgrowers.org

Consultant's Corner continued from page 9

the question becomes how does one calculate how many pounds of actual fertilizer must be applied in order to apply 2 to 4 pounds of actual nitrogen? As an example, if a 10-3-15 analysis fertilizer was being used to fertilize the subject tree how many pounds of that particular fertilizer would be necessary to apply to the treatment area in order to apply say, 2 pounds of actual nitrogen per 1,000 ft.²? The answer is to divide the first number listed on the fertilizer label into 100. The answer tells you how many pounds of the 10-3-15 would have to be applied in order to apply 1 pound of actual nitrogen over a 1,000 ft.² area. The answer in this instance would be 10 pounds (100 / 10 = 10). If you want to apply 2 pounds of actual nitrogen per 1,000 ft.², then double the factor and the answer would be 20 pounds of the actual fertilizer applied to 1,000 ft.². As it relates to the example at hand, multiply 20 (pounds of actual fertilizer per 1,000 ft.²) x 2.7 (the treatment area which is 2,700 ft.²) to realize that 54 pounds of fertilizer must be applied onto the treatment area of this tree in order to apply 2 pounds of actual nitrogen per 1000 ft.².

Other questions regarding fertilizer and fertilization would necessarily follow in an assignment. One question would be if you are applying 1 pound of actual nitrogen per 1,000 ft.², how many pounds of potassium are you applying? The answer

of course is to determine the ratio of the fertilizer being used. The ratio of a fertilizer is the mathematical relationship of the analysis. Using the example of the 10-3-15 analysis fertilizer, the ratio would be 3-1-5 (3 divided into 10 = approximately 3, 3 divided into itself equals 1, and 3 divided into 15 =5). Once the ratio of a fertilizer is known it is simple to determine how many pounds, or fractions thereof, are being applied of any one element found in the fertilizer analysis.

Not discussed in this article is how to calibrate the equipment used to apply the fertilizer or a discussion on the time of year to apply certain nutrient derivatives for the best efficacy of the tree or shrub being fertilized. To do so would require the dispensing of cyanide tablets to end one's misery on the preceding paragraph.

Of course the topic of fertilizers and fertilization goes much deeper than the surface just skimmed in this article. It becomes incumbent upon everyone who fertilizes trees or writes specifications for fertilizing trees to understand and realize the tenets found in the new ANSI standard. One way or the other, you will be held accountable for this knowledge in your career. It may be a good decision for you to obtain a copy of this new standard and learn it now rather than wait to defend later. ❖

Invest in your future for a price that belongs in the past.

Your TCIA membership gives you:

- Increased profits with marketing programs and resources
- Unlimited access to OSHA and regulatory advisors who can help you navigate the rules
- Assistance with business practices that will distinguish your company from the competition
- Training programs to improve worker safety and increase profits

Plus you get: discounts, giveaways, members-only publications and access to TCIA's online member resources right away!



* New membership rate of \$150 is available to first-time, new members only. Please respond by December 12, 2011 or call Brenda or David for details.

TREE CARE INDUSTRY ASSOCIATION • 136 Harvey Road, Suite 101, Londonderry, NH • 1-800-733-2622 • membership@tcia.org



For a limited time only we are offering new members 50% OFF of our first-year dues.*

STUDENT TRAVEL GRANTS : 2012 ISA Conference and Trade Show



The Arboricultural Research and Education Academy (AREA) recognizes the importance of scientific and industry meetings as an educational and networking opportunity for student arborists. Furthermore, AREA realizes that travel to professional meetings can place a significant burden on budding tree care professionals coping with tuition payments, student fees, and reduced income.

To facilitate growth of future professionals (and ultimately, the profession as a whole), AREA has established a competitive travel grant program for all students interested in attending the 2012 International Society of Arboriculture Conference in Portland, Oregon, USA.

Six (6) \$500 (USD) grants will be awarded to the top applicants in an effort to offset travel costs and leverage additional travel funding from advisers, departments, and other entities. Grants will be awarded as reimbursements **after** the conference to successful candidates who are able

to attend the event.

An electronic copy of the grant proposal request should be prepared **by the student** and e-mailed to the AREA-ISA staff liaison, [Rachel Leibowitz, Ph.D.](#), by **December 1, 2011**.

All successful applicants will receive a complimentary ticket to the AREA Annual Business Luncheon on Tuesday, August 14, 2012 at 11:00 am to 12:30 pm. Those students in attendance will be encouraged to briefly describe their conference experience as part of the business meeting.

NOTIFICATION OF AWARDS: The AREA Executive committee will review the travel proposals within two weeks of the submission deadline. Notifications will be sent to all applicants shortly thereafter.

[Student Travel Grant Application Here](#)

SALES/ESTIMATOR POSITION

TCIA Accredited Company looking for a top producing experienced individual to build relationships by servicing existing clients and developing new customers in a high-end residential and commercial territory. Plant identification and tree pruning knowledge required. Diagnose problems, design treatment plans, provide job estimates and close sales. Must have excellent communication skills, be well organized, possess a strong work ethic and valid FL DL. ISA certification is a plus.



FAX RESUME TO (561) 966-4612

SAVE THE DATE • SAVE THE DATE

THE FLORIDA URBAN FORESTRY COUNCIL
presents

THE

URBAN FORESTRY INSTITUTE

MARCH 8-9, 2012

UNIVERSITY OF CENTRAL FLORIDA

ORLANDO

- Benefits of Trees in Your Community
- Strengthening, Enforcing and Managing Your Community's Assets
- Strengthening Diversity in the Urban Forest
- Developing an Urban Forest Management Plan
- Developing and Enforcing a Tree Ordinance
- Engaging the Public in Urban Forestry
- Growing a Sustainable Urban Forest

www.fufc.org

SAVE THE DATE • SAVE THE DATE

Urban Forest continued from page 16

Aumente las ventajas, reduzca los costos

Las comunidades pueden aumentar las ventajas del bosque urbano y disminuir los costos enumerados aquí siguiendo algunas de las siguientes pautas:

- Determine y especifique los objetivos a largo plazo y la condición futura deseada para su bosque urbano (cuando pueda planifique y tome en cuenta futuros huracanes, sequías, incendios, y presupuestos deficitarios)
- Cuanto menos mantenimiento un árbol requiere, más bajos serán los costos financieros y ambientales (seleccione arboles de poco mantenimiento y árboles resistentes a la sequía; de tal manera es usara menos gas o diesel);
- Los árboles sembrados en lugares difíciles incurrirán mayores costos financieros y ambientales que los árboles que crecen en áreas naturales;
- Mientras árboles sobrevivan más tiempo se reducirán los costos operativos así como los costos por su remoción posterior;
- Preservar áreas boscosas con árboles de grande tamaño en grupos ya establecidos; debe preceder sobre el establecimiento de nuevos árboles siempre y cuando sea posible (los bosques establecidos necesitan menos mantenimiento y tienen pocos costos ambientales);
- Determine la condición fito-sanitaria del árbol, identifique y trate los riesgos que presente (remueva árboles en mal estado durante actividades de construcción de

edificios);

- Solicite la participación pública durante el desarrollo de las metas y de los objetivos hacia el desarrollo del bosque urbano
- Siembre el árbol adecuado en el lugar correcto

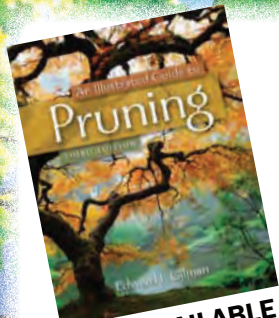
Conclusión

Es importante entender los beneficios y costos asociados con el manejo de los bosques urbanos. Solicitando la participación del público para considerar los recursos disponibles así como las ventajas que los árboles proporcionarían se prevendrán muchos problemas futuros y mejorará la percepción pública y el aprecio al bosque urbano. Cada decisión tiene sus desventajas potenciales (por ejemplo, el decidir a aumentar las densidades de siembra para aumentar la resistencia al viento y secuestro del carbón puede también aumentar la probabilidad de incendios e insectos indeseables). Preservando arboles grandes de bajo-mantenimiento, y en buenas condiciones proporcionan las mejores ventajas para la comunidades. En Gainesville como en otras comunidades, una evaluación exacta de los costos y manejo del bosque urbano es importante para reducirlos, al final la comunidad resultara favorecida.

Este artículo está basado en la publicación de UF/IFAS FR279❖

Spend a day with Dr. Ed Gilman
ADVANCED PRUNING PRACTICES

Don't miss this opportunity to learn advanced pruning skills with Dr. Ed Gilman by enrolling in this limited edition arboriculture seminar.



NOW AVAILABLE

2 Convenient Locations:

Ft Lauderdale
Tuesday January 3, 2012

Orlando
Friday January 20, 2012

CEUs
ISA - 7 ENGLA - 4 LIAF - 4

Click here to view the flyer.
Register online and save \$10! Click here for Ft. Lauderdale Click here for Orlando

2011 Certification Exam Schedule

The FLORIDA CHAPTER of ISA is pleased to announce our
2011 schedule of Certification exams. See the chart below for the site nearest you.

Date	Exam/ Class	Location	Time	Proctor or Instructors	Last Date to Register	Cost Member/ Nonmem
December 3 2011	Certified Arborist Exam	Miami-Dade IFAS 18710 SW 288 St. Homestead, FL	7:30 AM to Noon	Dr. George Fitzpatrick & Henry Mayer	Minimum 12 business days prior	\$150/ \$250
December 3 2011	Certified Arborist Exam	Hillsborough County IFAS Extension 5339 CR 579 Seffner, FL 33584	7:30 AM to Noon	Rob Northrop, Richard Bailey	Minimum 12 business days prior	\$150/ \$250
December 10 2011	Certified Arborist Exam	Leon County IFAS 615 Paul Russel Rd. Tallahassee FL 32301	8:30 AM. to 12:30 PM	Perry Odom	Minimum 12 business days prior	\$150/ \$250
December 17 2011	Certified Arborist Exam	PTEC - Room D-2 901 34th St. S St. Pete, FL 33711	8:00 AM. to 12:00 PM.	Richard Cervi & Glenn Duncan	Minimum 12 business days prior	\$150/ \$250
December 17 2011	Certified Arborist Exam	Duval County IFAS 1010 N. McDuff Ave Jacksonville, FL 32254	7:30 AM to Noon	Mike Robinson & Larry Figart	Minimum 12 business days prior	\$150/ \$250
Feb. 18, 2012	Certified Arborist Exam	Broward Co. IFAS 3245 College Ave. Davie, FL 33314	7:30 AM to Noon	George Fitzpatrick and Way Hoyt	Minimum 12 business days prior	\$150/ \$250
April 7, 2012	Certified Arborist Exam	Broward Co. IFAS 3245 College Ave. Davie, FL 33314	7:30 AM to Noon	George Fitzpatrick and Way Hoyt	Minimum 12 business days prior	\$150/ \$250
Ap. 28, 2012	Certified Arborist Exam	Indian River State 500 NW California Bl Port St. Lucie, FL	7:30 AM to Noon	Ann McMullian & Joe Sentence	Minimum 12 business days prior	\$150/ \$250

This schedule is subject to change as additional tests and review sessions may be added. Visit www.floridaisa.org for updates.

For an application form to register for an Exam call the ISA Office in Champaign, IL at 888-472-8733

To purchase an ISA Certification Study Guide, call the Florida Chapter ISA at 941-342-0153 or fax an order form to 941-342-0463.

The ISA Illinois must receive your application & exam fees A MINIMUM OF TWELVE BUSINESS DAYS prior to the exam date. NO EXCEPTIONS! (ISA Illinois is closed New Year's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and the day after, and Christmas Day). First-time applicants can apply online at www.isa-arbor.com.

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

Florida Chapter ISA - 2011 Education Schedule

*The schedule below is tentative and subject to changes.

Date	Seminar/Class	Location (s)	Open for Registration
December 6, 2011	Coast Series	St. Pete	Click Here to Register
December 8, 2011	Coast Series	West Palm Beach	Click Here to Register
January 3, 2012	Tree Pruning wit Dr. Ed Gilman	Ft Lauderdale	Click Here to Register
January 20, 2012	Tree Pruning wit Dr. Ed Gilman	Orlando	Click Here to Register
Feb/March 2012	Plant Health Care	Miami, Naple, Tampa	

Welcome!

New Florida Chapter Members

Here are the individuals that joined the Florida Chapter during the of the second quarter of 2011. 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.

First Name	Last Name	City	State	First Name	Last Name	City	State
Paul A.	Meador	CUDJOE KEY	FL	Daniel	Rodriguez	MIAMI	FL
Darren R.	Jenne	FORT MYERS	FL	Jeff	Bowen	STUART	FL
Jim	Beavers	SUNRISE	FL	Devron	Cody	JACKSONVILLE	FL
Robert	Bell	ODESSA	FL	Jennifer	Kohn	JACKSONVILLE	FL
Brian Daniel	Angelillis	ENGLEWOOD	FL	Michael	O'Loughlin	JACKSONVILLE	FL
Mary	Collister	VALRICO	FL	Dennis	Steele	CALLAHAN	FL
Charles G	Sidletsky	ST PETE	FL	Arnaldo	Espino	WELLINGTON	FL
Timothy J	Feller	SUNRISE	FL	Matthew J	Anderson	CLEARWATER	FL

*Go to <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:
floridaisa@comcast.net

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

Please remember:
Letters should be no longer than 300 words.
We reserve th 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 2011 Board Meeting - Dates & Locations

September 22, 2011 - TBD - Ft. Lauderdale
November 18, 2011 - TBD - Orlando

Arborist Certification Committee Report

By Norm Easey, Florida Certification Liaison

There are eight Florida ISA exams scheduled, the cities include: Homestead, Seffner, St. Petersburg, Jacksonville, Tallahassee, Port St. Lucie and Davie. [Click here for the specific dates.](#) The ISA Certified Arborist exam is also now available at Pearson Testing Centers throughout Florida. See the ISA International web site www.isa-arbor.com for more information about the various ISA arborist credentials and how to earn them.

Arborist Certification is still moving ahead worldwide; there are now 25,715 ISA Certified Arborists, 978 ISA Certified Tree Workers, 1,623 Utility Specialists, 467 Municipal Specialists and 365 Board Certified Master Arborists. The Florida Chapter currently has 1780 Certified Arborists.

The Florida Chapter would like to congratulate the following 17 Florida individuals for earning their Arborist Certification or Utility Arborist Certification during the third quarter of 2011:

Certified Arborist

Joseph Begala, SANFORD, FL
 Steven Burke, DUNEDIN, FL
 Grant Cheatham, DAYTONA BEACH, FL
 Michael DePappa, LARGO, FL
 Jerry Dykeman, ORLANDO, FL
 Edward Kozak, GREENACRES, FL
 James Moody, JACKSONVILLE, FL
 Clemens Nonner, MIAMI, FL
 John Nowotny, WINTER HAVEN, FL
 Sean O'Reilly, W PALM BEACH, FL
 Hudson Puente, MIAMI, FL
 Joseph Rubin, TITUSVILLE, FL
 Guillermo Ruiz, ORLANDO, FL
 Scott Stinson, SUN CITY CTR, FL
 Daniel Forbes Underhill, FT MYERS, FL
 Richard Wiland FT MYERS, FL



Utility Specialist

Benjamin Koubek, MIAMI, FL

Are you thinking about becoming certified?

[Visit the International ISA website](#)

to access the certification application handbook with further information.

2012 FLORIDA CHAPTER TREE CLIMBING CHAMPIONSHIP

SATURDAY MARCH 3, 2012
MANDATORY GEAR CHECK FRIDAY PM MARCH 2, 2012

DUNEDIN, FL
PARK LOCATION TO BE ANNOUNCED

COMPETITION ENTRY FORM



Register early to reserve your spot! **SPACE IS LIMITED TO 35 CLIMBERS!** Please PRINT or TYPE:

[Click Here For Type-in Interactive Forms](#)

First Name _____ Last Name _____
 Company _____
 Address _____
 City _____ State _____ Zip _____
 Phone # (_____) _____ Fax # (_____) _____
 EMail Address (for contacting and to send a receipt) _____

REGISTRATION: \$75 - ISA MEMBER OR \$95 - NONMEMBER

AMOUNT: \$75 - ISA MEMBER (Must provide ISA member #: _____)
 \$95 - NONMEMBER

CHECK ENCLOSED (Make out to Florida Chapter ISA)
 CASH ENCLOSED
 CREDIT CARD VISA MasterCard Discover (AMEX no longer accepted)

**If you are not comfortable emailing your credit card information as an attachment, please fax, mail or phone it in.

Card Number _____
 Exp. Date _____ 3 digit Card Code _____
 Exact name on card _____
 Card billing address _____
 Card billing City/State/Zip _____

SUBMIT THIS ENTRY FORM, THE COMPETITION WAIVER FORM AND PAYMENT OF \$75 OR \$95 TO:

MAIL: Florida Chapter ISA ♦ 7853 S Leewynn Court ♦ Sarasota, FL 34240
 PHONE: 941-342-0153
 FAX: 941-342-0463
 EMAIL: flordaisa@comcast.net (you may submit this form as an email attachment)



**FFC-TCC TREE CLIMBING CHAMPIONSHIP
COMPETITION WAIVER FORM**



Please PRINT Clearly

Contestant's Name: _____ Age: _____

Address: _____ Zip: _____

Employed by: _____

Phone: () _____ Email: _____

Number of years you have climbed: _____

Waiver and Hold-Harmless by Contestant

In consideration of acceptance of my application for entry as a contestant in the Climbing Championship, I hereby waive any and all claims I may have at anytime, and any and all claims which might otherwise be made by, or on behalf of, or on account of me, or by me, or by any person or entity in any way as my subrogee against the property owner and the International Society of Arboriculture, its officers, directors, employees, agents, members, guests, invitees, and any person who would be lawfully entitled to indemnification from them for any liability to, or on behalf of, or on account of me, for any injuries or damages of any kind whatsoever arising on account of or in consequence of my activities or participation in the Climbing Championship, or in any other way related to the Climbing Championship. I further agree to hold the property owner and the International Society of Arboriculture, its officers, directors, employees, agents, members, guests and invitees, safe and harmless from any expense for defense, settlement, payment of damages, or other expenses related in any way to injuries sustained by me in any way related to the Climbing Championship. I recognize and assume all risks and danger involved in my participation, and will not under any circumstances rely upon the care, attention or assurance of anyone other than myself for matters relating to my safety.

Dated _____ Signature of Contestant _____

Certification and Waiver by Employer of Contestant

I hereby certify that I am the employer or a duly authorized representative of the employer of the above-named individual planning to participate in the Climbing Championship, and that the employer has encouraged this participation. I further certify that I have satisfactorily confirmed that the employee will be covered by statutory protection levels of Workers Compensation Insurance or the equivalent, for any injuries sustained in the course of participation. The employer hereby waives any and all subrogation claims it may have against the property owner and the International Society of Arboriculture, its officers, directors, employees, agents, members, guests, or invitees, as a result of any compensation or their benefits or expenses incurred or paid by it, its insurance carrier, or otherwise on its behalf, in the event any claim or injury results from this participation, and will hold the property owner and the International Society of Arboriculture, its officers, directors, employees, agents, members, guests, and invitees safe and harmless from any expense for defense, settlement, payment of damages and other expenses relating in any way by this employee. I further certify that I am duly authorized to execute this Certification and Waiver on behalf of the employer and that any and all necessary resolutions have been duly passed and adopted by the employer.

The exact name and address of the employer, and state of incorporation (if applicable):

Dated _____

Signature of Employer or Authorized Representative _____

Mail, fax or email (you may submit as an email attachment) this completed competition waiver form along with the competition registration form and payment to:
Florida Chapter ISA ♦ 7853 S Leewynn Court ♦ Sarasota, FL 34240

**2012 FLORIDA CHAPTER
TREE CLIMBING CHAMPIONSHIP**

**SATURDAY MARCH 3, 2012
MANDATORY GEAR CHECK FRIDAY PM MARCH 2, 2012**

**DUNEDIN, FL 32258
PARK LOCATION TO BE ANNOUNCED**

JUDGE & VOLUNTEER FORM



[Click Here For Type-in Interactive Forms](#)

Please PRINT or TYPE:

First Name _____ Last Name _____

Company _____

Address _____

City _____ State _____ Zip _____

Phone # (_____) _____ Fax # (_____) _____

E-Mail Address (for contacting) _____

THANK YOU FOR YOUR OFFER TO VOLUNTEER!

I am able to help:

- as a judge
- with site pre-pruning
- with site preparation on
- with registration
- with timing and record keeping
- with awards
- at the FC-TCC dinner on Saturday, March 3, 2011
- other _____

SUBMIT THIS VOLUNTEER FORM AND THE VOLUNTEER WAIVER FORM TO:

MAIL: Florida Chapter ISA ♦ 7853 S Leewynn Court ♦ Sarasota, FL 34240
PHONE: 941-342-0153
FAX: 941-342-0463
EMAIL: floridaisa@comcast.net (you may submit this form as an email attachment)



**FFC-TCC TREE CLIMBING CHAMPIONSHIP
VOLUNTEER WAIVER FORM**



Please PRINT Clearly

Volunteer's Name: _____

Address: _____ Zip: _____

Employed by: _____

Phone: () _____ Email: _____

Waiver and Hold-Harmless by Volunteer

In consideration of acceptance of my offer to be a volunteer for the Climbing Championship, I hereby waive any and all claims I may have at anytime, and any and all claims which might otherwise be made by, or on behalf of, or on account of me, or by me, or by any person or entity in any way as my subrogee against the property owner and the International Society of Arboriculture, its officers, directors, employees, agents, members, guests, invitees, and any person who would be lawfully entitled to indemnification from them for any liability to, or on behalf of, or on account of me, for any injuries or damages of any kind whatsoever arising on account of or in consequence of my activities or participation in the Climbing Championship, or in any other way related to the Climbing Championship. I further agree to hold the property owner and the International Society of Arboriculture, its officers, directors, employees, agents, members, guests and invitees, safe and harmless from any expense for defense, settlement, payment of damages, or other expenses related in any way to injuries sustained by me in any way related to the Climbing Championship. I recognize and assume all risks and danger involved in my participation, and will not under any circumstances rely upon the care, attention or assurance of anyone other than myself for matters relating to my safety.

Dated _____ Signature of Volunteer _____

Certification and Waiver by Employer of Volunteer

I hereby certify that I am the employer or a duly authorized representative of the employer of the above-named individual planning to volunteer at the Climbing Championship, and that the employer has encouraged this participation. I further certify that I have satisfactorily confirmed that the employee will be covered by statutory protection levels of Workers Compensation Insurance or the equivalent, for any injuries sustained in the course of participation. The employer hereby waives any and all subrogation claims it may have against the property owner and the International Society of Arboriculture, its officers, directors, employees, agents, members, guests, or invitees, as a result of any compensation or their benefits or expenses incurred or paid by it, its insurance carrier, or otherwise on its behalf, in the event any claim or injury results from this participation, and will hold the property owner and the International Society of Arboriculture, its officers, directors, employees, agents, members, guests, and invitees safe and harmless from any expense for defense, settlement, payment of damages and other expenses relating in any way by this employee. I further certify that I am duly authorized to execute this Certification and Waiver on behalf of the employer and that any and all necessary resolutions have been duly passed and adopted by the employer.

The exact name and address of the employer, and state of incorporation (if applicable):

Dated _____

Signature of Employer or Authorized Representative _____

**Mail, fax or email (you may submit as an email attachment) this completed competition waiver form along with the competition registration form and payment to:
Florida Chapter ISA ♦ 7853 S Leewynn Court ♦ Sarasota, FL 34240**

2012 FLORIDA CHAPTER TREE CLIMBING CHAMPIONSHIP

MARCH 3, 2012

DUNEDIN, FL
PARK LOCATION TO BE ANNOUNCED

SPONSOR FORM



Please PRINT or TYPE:

[Click Here For Type-in Interactive Forms](#)

Name _____

Company _____

Address _____

City _____ State _____ Zip _____

Phone # (_____) _____ Fax # (_____) _____

E-Mail Address (for contacting and to send a receipt) _____

MONETARY DONATION

AMOUNT \$ _____

- CHECK ENCLOSED (Make out to Florida Chapter ISA)
 CASH ENCLOSED
 CREDIT CARD VISA MasterCard Discover (Amex no longer accepted)

**If you are not comfortable emailing your credit card information as an attachment, please fax, mail or phone it in.

Card Number _____

Exp. Date _____ 3 or 4 digit Card Code _____

Exact name on card _____

Card billing address _____

Card billing City/State/Zip _____

Your receipt will be emailed to you (please provide an email address above).

PLEASE SEND THIS DONATION FORM WITH YOUR MONETARY DONATION TO:

MAIL: Florida Chapter ISA ♦ 7853 S Leewynn Court ♦ Sarasota, FL 34240
PHONE: 941-342-0153
FAX: 941-342-0463
EMAIL: floridaisa@comcast.net (you may submit this form as an email attachment)

DONATION OF EQUIPMENT, GEAR OR PRIZES

Please describe your donation below. Include a monetary value if you would like a receipt to be emailed to you (please provide an email address above).

PLEASE SEND THIS DONATION FORM WITH YOUR DONATED ITEM(S) TO:

BY MAIL, FED EX or UPS: Adam Jackson ♦ 1402 Deer Lake Circle ♦ Apopka FL. 32712



International Society of Arboriculture Florida Chapter

Our Mission: "To Promote and Improve the
Scientifically Based Practice of Professional Arboriculture"



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.

Not misuse or omit material facts in promoting technical information, products or services if the effect would be to mislead or misrepresent.

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.

Subscribe to fair and honest business practices in dealing with clients, suppliers, employees and other professionals.

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

Observe the standards and promote adherence to the ethics embodied in this code.



Florida Arborist
Florida Chapter ISA
7853 South Leewynn Court
Sarasota, FL 34240