

Fall 2009  
 In This Issue:

FC-TCC Winners	1
President's Message	2
In the News	3
Florida Arborist Now Electronic	4
Roots of Change	8
A Colleague in Need	11
Workers' Comp Costs	12
Membership Committee Report	14
Workday Committee Report	14
Florida Chapter Education Schedule	14
TREE Fund News - The Tour des Trees	16
Consultant's Corner	18
News From International	20
Forests & Green House Gas English/Spanish	22
Trees4Florida PSA Info	24
Florida Chapter Board Updates	26
2009 Certification Exam Schedule	28
New Florida Chapter Members	31
2009 Board of Directors Schedule	31
Arborist Certification Committee Report	32

## And the Winners Are...

*by Kris Stultz, 2009 TCC Chair*

The 2009 Florida Tree Climbing Championship was held June 12th and 13th at the Philippi Estate Park in Sarasota, Florida and was a great success. This year's event witnessed the largest contestant pool of any prior FCTCC. 24 men and 2 women registered to compete for the chance to represent the Florida Chapter in Providence Rhode Island this past July at the ISA International Tree Climbing Championships.

The event started in earnest Friday afternoon and again early Saturday morning. Aerial Rescue, Foot Lock and Speed Climb Friday, Thrown-line and Work Climb were held on Saturday morning. By early afternoon on Saturday the preliminary events had been won and the top 4 men and the 2 women were introduced to the Master's Challenge event and sequestered to await their turn to perform within the canopy of this very challenging Live oak.



*Ed Bingle*



*Annie Stover*

*FC-TCC Winners continued on page 6*



*2009 FC-TCC Philippi Estate Park*

# A Message From the President



## *Good Day to You All!*

Wow, this year is going by fast!!! Here it is, now time to write the message for the fall.

So far so good for this hurricane season... no tropical events for our state yet. I'm writing this at the first of August so I know that it's still very early in the season. Many other years things didn't get cranked up until September 1st. I saw somewhere that the actual peak of activity is the last week of August through the first week of September. I still remember Hurricane David in Vero Beach in 1979 on Labor Day weekend and Hurricane Andrew on August 28th in 1992 to name a couple that come to mind quickly. I suppose in our down economy it's a mixed blessing. A storm will bring lots of needed work to many of our member companies which can use the financial help. But storms also bring lots of negative things with them; damages to our homes, tough living conditions while utilities are out, etc.

On a lighter note, Trees Florida 2009 was another successful program. The venue could not have been nicer and there was a great educational program offered!! I want to take this time to say kudos to the committee of folks that worked to bring this together. Great Job!!!

In this down economy, it is now time for you to separate your business from the other companies out there and showcase how you are better. I think one of the ways to do that is to emphasize how you and your employees stay informed through ISA educational opportunities. These educational events offered by the Chapter keep us on top of the latest research and techniques. The Education Committee is now offering more classes throughout the state than ever before - close to a 50% increase in number of classes.

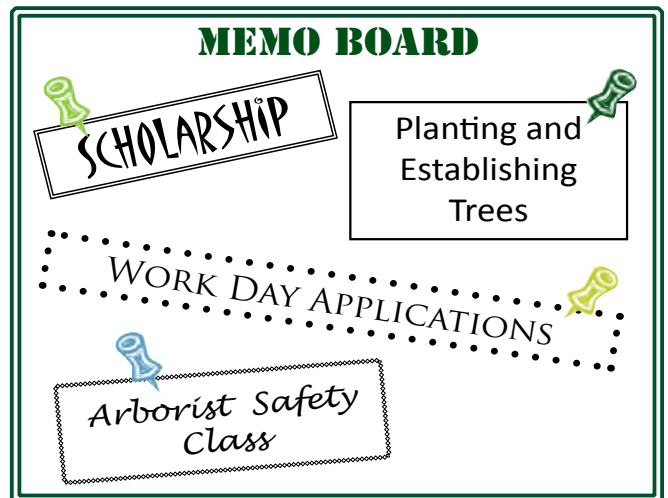
This leads me to my next thought of how we need to do a better job of separating ourselves from the masses. I don't need to tell you of the many, non-professional tree companies are out there. You see them... many of them got started by just going into one of the big box home improvement stores and buying ladders and chainsaws. Unfortunately, in the utility business we see the sad results of this after some sort of accident. We need to promote ourselves as a PROFESSION and not just a business. We are professionals and our continuing educational levels help to affirm this. We need to reaffirm this to our customers at every opportunity. The Chapter's Licensing efforts help add to this promotional efforts of our profession.

Speaking of Licensure, by now you know our efforts were not successful in 2009. The law firm we used to champion our efforts feels so strongly about our chances of success, they are going to give it one more try, pro bono. Let's keep our fingers crossed.

Here's to you and wishing you a safe remainder of the year!

Sincerely,

President, Florida Chapter ISA





# In the News

## Toronto Enacts Green Roof Requirement

The new Toronto Green Roof By-law requires a green roof for all new development (residential, commercial and institutional) that measures at least 21,500 square feet starting in 2010. For industrial property, the requirement begins in 2011. The city adopted the by-law last week. The law calls for a graduated coverage requirement ranging from 20-60 percent of the available roof space, excluding industrial. The coverage for industry buildings must equal 10 percent of the available roof space up to a maximum of 21,500 square feet. Toronto already requires green roofs on city-owned properties. Deputy Mayor Joe Pantalone told the Globe and Mail the new requirement was "an opportunity rather than a handicap."



## Florida Enacts EAB Trapping Program

Florida established a statewide emerald ash borer (EAB) trapping program to help prevent the introduction of the pest. The Division of Plant Industry has posted a public service announcement about the EAB trapping program on its Web site. The Department of Agriculture and Consumer Services has placed traps in Florida counties identified as high risk areas. Two hundred traps have been placed and are monitored monthly. Entomologists will examine trap contents monthly at their headquarters in Gainesville.

## Gentleman, Start Your Tree Spades

The National Association for Stock Car Auto Racing announced "NASCAR Green Clean Air" -- a program to help capture the carbon emissions produced by racing. Under a pilot program that will expand significantly next year, NASCAR will plant 10 new trees for each green flag that drops during Cup Series events. The tracks participating in the tree-planting program -- 11 this year and every venue visited by the Cup Series in 2010 -- will mitigate 100 percent of the carbon emissions produced by the race cars competing in their Cup Series

*In the News continued on page 5*

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# ATTENTION FLORIDA CHAPTER ISA MEMBERS

## The Florida Chapter Has Gone Green!

Beginning with this issue, all quarterly newsletters will be sent electronically. You will now have an **electronic version** right at your fingertips; you can forward it to a friend or save it to your computer for future reference. Once we get up and running, the newsletter will feature clickable links to the advertisers and to further information from any of the articles. A great convenience just a click away!



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## In the News, continued

*In the News continued from page 3*



events. Over time, rolled out across all three national series, NASCAR and its partners will be planting approximately 20 acres of new trees each year.

### Events Presenting Gift Trees

The Arbor Day Foundation and its prolific efforts to get trees planted across the nation has come up with a fun idea that caught the eye of party maven Martha Stewart. Gift trees are packaged in a 14-inch poly tube with the seedling's roots embedded in a moist planting medium. The tube can later be converted into a bird feeder. A customized label can be created to memorialize an occasion. Martha suggested them as wedding gifts. The foundation suggests using them as corporate gifts, for shower gifts or grand opening celebrations. Cost is \$3.

### Trees: Helping Homes Recoup Their Value

Home values nationwide have dropped an average of 20% during the recession. But John Pounders, owner of AnythingGreen.com, wants homeowners to know that planting trees could recoup 80% or more of that lost equity over the next 3 years, even if the housing market doesn't rebound. Pounders sells trees and shrubs on his Web site and ships them direct to the consumer. "It is a fact that trees add an average of 15% or so to the value of your home," he said. According to Eric Emad, a consultant at the International Society of Arboriculture, "Studies have estimated that trees may account for up to 15% of the value of a residential property. For example, a \$200,000 house on a lot with three mature trees might owe as much as \$30,000 of its value to the trees. Assuming that all three trees are of equal value, each tree would be valued at \$10,000."



### Fungus May Combat Kudzu

Kudzu may have met its match in a naturally occurring fungus that Agricultural Research Service (ARS) scientists have formulated as a biologically based herbicide. ARS plant pathologist Doug Boyette and his

team are testing a fungus (*Myrothecium verrucaria*). The fungus works so quickly that kudzu plants sprayed with it in the morning start showing signs of damage by mid-afternoon. In greenhouse experiments, spray formulations killed 100 percent of kudzu seedlings and 90 to 100 percent of older plants in outdoor trials. Host-range tests in 2005 showed that *Myrothecium* caused little or no injury to many woody plants including oak, cedar, pine, hickory, pecan, sassafras and blackberry. Besides kudzu, *Myrothecium* also showed potential as a pre-emergence bioherbicide, controlling purslane and spurge in transplanted tomatoes.

### American Chestnut Hybrid May Mitigate Climate Change

Douglass Jacobs, an associate professor of forestry and natural resources, found that American chestnuts grow much faster and larger than other hardwood species, which enables the tree to sequester more carbon than other trees during the same period. "Maintaining or increasing forest cover has been identified as an important way to slow climate change," he said. The hybrid is about 94% American chestnut and the rest is blight-resistant Chinese chestnut. The trees could be ready to plant in the next decade.

### Honey Bee Collapse Problem Potentially Solved



Scientists believe the fungus *Nosema ceranae* is responsible for honey bee collapse, not pesticides as once feared. Flumagillin (an antibiotic) kills the fungus in its active, reproducing state, but there is no known method of killing its spores. A Montana State University grad student tested different compounds beekeepers could use to kill the *N. ceranae* spores and found that a 10 percent bleach solution worked the best. ❖



*FC-TCC Winners continued from page 1*

The top 4 men and 2 women competed Saturday afternoon to decide the final champions. Ed Bingle, Colin Kelly, Ron Price and Eli Villagran competed for the Men's Championship while Annie Stover and Elli Hammon competed for the Women's Title. The women competed first; Championship was won by Annie Stover, to the approval of the gathered crowd. Next the men competed within the canopy with great skill and innovating techniques. This was an extremely close competition and all climbers competed with great skill, but only one could earn the title. So, after having competing in the last 5 FCTCC's and making the Master's Challenge in each competition, Ed Bingle won this year's title by displaying a near flawless climb with confidence and composure. Great job, everyone.

As the outgoing FCTCC Chair I would like to thank all those individuals who made this year's event and the past few years as chair such a rewarding experience for not only myself, but all those who compete year in and year out. The list is too numerous to name every individual who invested so much personnel time and effort into the FCTCC these past four years, but I feel special thanks belongs to Bruce and Lita Smith, Scott Prophet, Tim Roop, Josh Tankersly, Adam Jackson, Brian Gould, Darcy Meagher, John Harris, Ray Copper, Paul Weaver, Scotty Olson, Terry Roundtree, Doug LaFortane and, for coordinating this year's event, Jennifer Rozen. I would also like to say congratulations to all the competitors over these past few years, for showing innovation and displaying true sportsmanship at each event. I know I have left out many others who have worked very hard over these few years to provide our Chapter with an outstanding event each and every year and I regret the omission, but I am extremely grateful for all your efforts, thank you.

I would like to take this opportunity to introduce to the Chapter our new FCTCC Chairman, Gabriel Muzzone. He is no stranger to the FCTCC having competed multiple times and worked throughout Central Florida as a professional Arborist and Instructor of Modern Climbing Techniques. Gabe will be an outstanding Chairman and I know he will receive the support of all our members in his new role. Please feel free to contact Gabe and become involved in our Chapter's annual Tree Climbing Championship. It's all about the trees and those who work within them. ❖

**RESULTS****Master's Challenge**

Men's - Ed Bingle  
Women's - Annie Stover

**Men's Aerial Rescue**

Colin Kelly 1st place,  
Bennet Brooks 2nd, and  
Tim Walters 3rd

**Men's Speed Climb**

Eli Villagran 1st Place,  
Colin Kelly 2nd, and  
Shane Rogers 3rd

**Men's Work Climb**

Eddie Bingle 1st Place,  
Colin Kelly 2nd, and  
Eli Villagran 3rd

**Men's Foot Lock**

Ron Price 1st Place,  
Eli Villagran 2nd, and  
Colin Kelly 3rd

**Men's Throwline**

Tommy Locke 1st Place,  
Eddie Bingle 2nd, and  
Ron Price 3rd

**Women's Aerial Rescue**

Anne Stover 1st Place, and  
Elle Hammon 2nd

**Women's Speed Climb**

Anne Stover 1st Place, and  
Elli Hammon 2nd

**Women's Work Climb**

Annie Stover 1st Place and  
Elli Hammon 2nd

**International TCC**

Ed Bingle represented the Florida Chapter at the International TCC held in Providence, RI in July; Annie Stover was unable to attend. Ed finished 20th place overall and 5th place in Aerial Rescue out of 36 competitors. Ed has certainly set the bar high and we congratulate him on his performance.

To view photos of the ITCC event, please visit <http://www.davey.com/itcc/>. ❖





2009 FC-TCC Judges



2009 FC-TCC, Philippi Estate Park, Sarasota  
photos by David Graham



2009 FC-TCC Awards



Ron Price



Colin Kelly



Annie Stover



Ed Bingle



Bennet Brooks



Eli Villagran



Tommy Locke



# Roots of Change for the Better

by Dr. Edward F. Gilman, professor  
University of Florida

## Roots in Nature

Perhaps one in a billion seeds becomes a mature tree. In the forest, rodents eat seeds, some are devoured by insects, some seeds rot, and some produce bad root systems. Roots on trees in nature result from seeds germinating on the forest floor. Root systems on mature trees have distinct characteristics that allow them to become large. They develop a spreading array of 6 to 12 large diameter roots growing more-or-less straight from the trunk (Fig 1).



Fig 1. Roots of forest trees grow mostly straight.

We expect all trees we plant in a landscape to become large and produce benefits for everyone to enjoy. This makes it especially important that root systems have characteristics which allow them to grow to maturity. This process begins early in the first stage of propagation when the seed or rooted cutting forms its first roots.

## Propagating Liners

Most growers germinate seeds or stick cuttings directly in the field, in small containers, or in common trays of substrate. Trees in common trays must be carefully transplanted to a container of some type or planted into field soil. Root defects can form when a tap root is bent at planting. Bent tap roots are hard to correct and can negatively impact

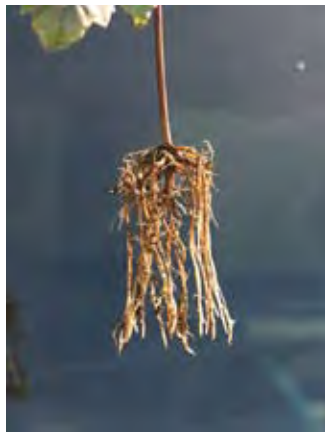


Fig 2. Roots deflected down by container wall.

tree health and stability.

Trees propagated in containers have their challenges, but technology can help. Roots grow around the pot and down to the bottom naturally, or they are deflected there by container walls. This root form can result in tree instability and an abnormally deep root system not well suited for compacted soil in urban landscapes (Fig 2).

New propagation techniques including pots of thin paper, Oasis® cubes, and others show promise in producing quality root systems. Roots should be straight and may branch (Fig 3) but should not be directed down or around the container wall. These defects can become a permanent part of the root system and hamper proper growth, or could doom the tree to early death. Once roots begin circling or diving down the side of the pot they should be removed entirely when shifting to larger sizes (Fig 4) so retained

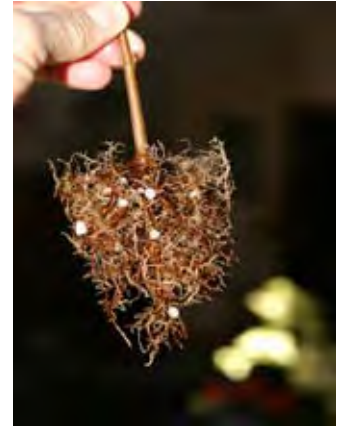


Fig 3. Quality liner root system with few deflected roots.



Fig 4. Eliminating defects by removing liner root ball periphery.

root segments are oriented straight from the trunk. A look inside root balls we plant today shows that this is not happening with enough regularity.

## Roots in Container Nursery

Root management continues in a container nursery that grows finished landscape trees. The goal is to produce a root system with straight roots from the trunk (Fig

*Roots, continued on page 9*



*Roots, continued from page 8*



*Fig 5. Quality root ball grown in 3 gallon container without root pruning.*

5), not deflected down or around the pot. If this does not occur, shaving off root ball periphery at each shift to a larger container (Fig 6) appears to accomplish the same objective (Fig 7). Our research shows that if you manage irrigation carefully, caliper and height should not slow appreciably (1). Some nurseries in Florida and California are practicing a version of this and learning how to use it. In addition,

root flare should be at or close to the surface. If the root flare is just a couple inches beneath substrate surface, roots deflected by the container wall can girdle the stem.



*Fig 6. Shaving root ball periphery prior to shifting or planting into field.*



*Fig 7. Quality 15 gallon root ball resulting from shaving the 3 gallon prior to shifting.*

*Roots, continued on page 10*

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*Roots, continued from page 9***Roots in Field Nursery**

Roots pruned several times in the nursery grow denser with smaller diameter roots and fewer large roots (Fig



Fig 8. *Quality field-grown root ball resulting from multiple root prunings.*

8). This has been shown to increase digging survival and improve landscape performance (3). Nurseries that routinely move trees from one field to another during production automatically prune roots. Quality nurseries that produce certain trees without moving them implement root pruning in place.

**Manage roots at planting**

Treat root defects at planting including those wrapping or circling the trunk. Excavation and a pruning saw or clippers are needed to check for and treat defects at trunk. Roots matted against burlap on field grown trees should be removed at planting. A sharp digging spade can be used to remove all peripheral roots on container



Fig 9. *Removing root ball periphery immediately after planting 15 gallon container.*

grown trees (Fig 9); slicing the root ball radially is less effective (2). If the root ball has no defects on the interior, this will help insure most circling and diving roots are removed from the root system. New roots will grow outward horizontal to soil surface to better stabilize trees.

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More root information from Dr. Gilman available at <http://hort.ifas.ufl.edu/woody/roots.shtml>

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## A Colleague In Need

Greg Charles, Horticultural and Agricultural Instructor in Central Florida since 1976, is facing 6-12 months of strenuous rehabilitation following a serious accident.

For more than 35 years Greg Charles has been a driving force in all areas of the Florida green industry. Besides teaching and guiding hundreds of professionals in their horticultural journeys in Pinellas County, Greg spent two years as an Agriculture teacher in Sarasota County. He has served on the Boards of Directors for the Florida Nursery and Growers Association, the Green Thumb Festival, the Pinellas Cooperative Extension Service, and the Pinellas Chapter of the Florida Nursery Growers and Landscape Association. Greg's many professional awards include Outstanding Volunteer of the Year (Green Thumb Festival – 2009), Outstanding Educator of the Year (FNGLA -2002), Outstanding Landscape Division Member (FNGLA – 2001), Waterwise Landscaping Award (Pinellas Xeriscape Task Force – 1997), Special Environmental Award (City of St. Petersburg – 1996), and the Outstanding Agriculture Program of the Year (State of Florida – 1990).

A fund has been set up to assist with Greg's significant medical expenses. If you care to donate, please make checks payable to Greg Charles and mail to Victoria Bay, 3514 - 7th Avenue N., St. Petersburg, Florida 33713. ❖

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# The Business of Tree Care: Keeping Down the Cost of Workers' Comp

By Mark Garvin

Every business owner knows that the cost of health insurance keeps rising. Those higher costs are one of the driving forces behind increasing workers' comp rates. As the owner of a small tree care company, there's not much you can do to solve the health care crisis in the country, but you can take positive steps to keep your workers' comp rates down. How? Be on the lookout for fraud. Workers' comp fraud occurs when someone knowingly makes a false representation to obtain benefits. Everyone who tries to run a professional business and provide decent benefits for employees pays the price for fraud in the loss of jobs and profit, lower wages and benefits, higher prices for clients and steeper insurance premiums. It affects workers and employers alike. To combat fraud, you need to be aware of some of the most common warning signs, which can save you from paying higher premiums as a result of fraudulent claims.

Common warning signs:

- **Late reporting:** In general, injured employees will report a claim as soon as it happens. Late reporting is not necessarily a cause for alarm, but it ought to be a signal to review the claim a little more closely.
- **Sketchy details:** Most people can recall the details of their injury. If the employee seems to be fuzzy on the details and gives vague responses to questions, keep a close eye on the progression of the claim.
- **No witness:** Not every claim has a witness, however, if many of the other signs are present, it will be hard to dismiss the lack of a witness.
- **Story changes:** Upon further investigation, if the employee keeps changing the story to add or remove details, there is a good reason to suspect it.
- **First day of the week claims (Monday):** If the injury allegedly occurred on Friday, usually late in the day, but did not get reported until Monday, there is reason to suspect there might be a little more going on than meets the eye.
- **Disgruntled employee:** A disgruntled employee is more likely to place fraudulent claims than an employee with high job satisfaction.
- **Financial hardship:** Workers' compensation benefits are sometimes seen as a way out of a tight financial situation at home.
- **Employee never answers the phone at home and always calls back:** If this happens once or twice when an employee is out of work, it may just be coincidental. If it happens every time, there is a possibility of fraud.
- **Misses medical appointments:** If an employee is truly injured, he will want to get better and will make sure to attend all necessary medical appointments. Missing appointments is another reason to suspect fraud.
- **Employee manages physical activities outside of work:** If your employee reported a back injury and you find



Photo by Harry Kikstra

*Workers' Comp, continued on page 13*

*Workers' Comp, continued from page 12*

that he is at home building a deck, there is a good reason to suspect fraud.

Any one of the above tips on their own is not enough to suspect fraud, but usually there is more than one telltale sign. If you do suspect fraud, report your suspicions to your insurance provider and to any appropriate state agencies.

To expand affordable coverage, TCIA recently signed an endorsement agreement with General Agency Services for its **ArborMAX** program to provide full-service insurance options that include workers' comp coverage. A very special part of that agreement is ArborMAX's commitment to fund tree care industry loss control services provided by TCIA. This is just one of the ways the two organizations are working to lower insurance premiums for member companies.

Coverage for all lines of insurance is available to any company in the industry, with the exception of workers' compensation. Importantly, the workers' compensation program has eligibility requirements that require the company must:

- Be a TCIA member company
- Be designated an accredited company by TCIA or have a full-time CTSP as an employee
- Have acceptable loss experience according to General Agency Services' underwriting requirements

For more information on insurance coverage, contact Mike Rook or Jenny Mortell at ArborMAX toll free at 1-877-602-7267, or at (860) 760-8445, or via e-mail at [mrook@gasinsurance.net](mailto:mrook@gasinsurance.net) or [jmortell@gasinsurance.net](mailto:jmortell@gasinsurance.net). For more information on TCIA's Accreditation program, contact Bob Rouse at 1-800-733-2622 or [rouse@tcia.org](mailto:rouse@tcia.org). CTSP workshops are scheduled for Providence, Rhode Island, in July; San Jose, California, in August; Round Rock, Texas, in September; and Baltimore, Maryland, in November. For more information on enrolling in the CTSP program, contact Peter Gerstenberger at 1-800-733-2622 or [peter@tcia.org](mailto:peter@tcia.org). Information can also be found at [tcia.org](http://tcia.org) under Insurance & Benefits. ❖

*Mark Garvin is chief program officer for the Tree Care Industry Association. This article is reprinted, with permission, from the July 2009 issue of Tree Care Industry Magazine.*



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# Membership Committee Report

by Don T. Winsett, Vice President and Membership Chair

Greetings Florida ISA Members:

At a recent Florida ISA Board Meeting in April, our membership as a Society and Chapter were reviewed. I would like to share with you our findings.

Membership in the State of Florida has suffered only 43 members since last year at this time. We consider that there are circumstances involved that lead members to not renew-perhaps relocation has played a role in some part, or even financial constraints. We also consider this number to be low given current economic status of our nation. As a whole, the International Society has gained 322 members. This number is robust and is telling of how committed our communities and fellow working arbor professionals are to our great cause.

With this loss, be it modest, I enlist all of you to wave the ISA flag at every event, meeting, and even in your local nursery. Let us all act on behalf of our fellow members and communicate to our community the benefits of making educated, responsible arboriculture a prominent part of Florida's landscape. Additionally, on behalf of the Board, I ask that you inquire with any non-renewing members that you may know their reasoning for not rejoining. This feedback will assist us in providing the best possible services to our membership.



# Workday Committee Report

by Bill Slaymaker, Workday Chair

I would like to again thank the 100 plus volunteers who came out to support the 2009 Florida Chapter ISA regional Work Days. These events gave ISA members a chance to share their expertise, skills and knowledge with needy recipients in our local communities. In addition to doing a great service in the community, those who participated were able to bond and build camaraderie among fellow arborists. The fact that the volunteers are often competitors throughout the year was overshadowed by the fact that we are all brothers and sisters in the same profession; it was great to see "competitors" working together and sharing their knowledge and experience with each other. It was obvious that all the volunteers care a great deal about their profession. I hope we have started an enduring tradition and look forward to the event as it continues and grows in future years.

We would like to hold 3 regional workdays in February 2010. We have received applications for South and Central Florida recipients but are still accepting applications for the North Florida event. If you know of any good candidates in North Florida, please encourage them to submit an application for ISA Board to review. [Click here for the application](#) which explains criteria and steps to submit. If you need additional information on requirements please feel free to email Bill Slaymaker at [bill\\_r\\_slaymaker@fpl.com](mailto:bill_r_slaymaker@fpl.com). ❖

## Florida Chapter ISA - 2009 Education Schedule

Date	Seminar/Class	Location (s)	Open for Registration
October 9, 2009	Arborist Safety and Climbing	Jacksonville	<a href="#">Click Here</a>
October 12, 2009	Arborist Safety and Climbing	Ocala	<a href="#">Click Here</a>
October 20, 2009	Tree Planting and Establishment	Orlando	<a href="#">Click Here</a>
October 22, 2009	Tree Planting and Establishment	Miami	<a href="#">Click Here</a>
November, 2009	Coast Series Seminar	Ft. Lauderdale	Soon
November, 2009	Coast Series Seminar	Tallahassee	Soon
November, 2009	Coast Series Seminar	Tampa	Soon



# Rainbow Treecare Scientific's Solution Center covers you from A to Z

Rainbow Treecare Scientific is designed to serve arborists. Our new **Solution Center** is staffed with specialists who provide training and sales support for tree health care products. Our company was founded in arboriculture, so we can also help with your questions about adding services, profitability, and marketing to clients.

<b>A</b> Aphids 1 2 3 <b>Xylect</b> Fall application provides control next season.	<b>F</b> Fireblight 1 <b>Copper hydroxide</b> Prune below infected tissue in winter. Spray in dormant season and at full bloom.
<b>B</b> Bronze Birch Borer 1 2 3 <b>Xylect</b> and/or Bifenthrin Attacks weak, stressed trees. Mulch, irrigate, and promote health to prevent this pest.	<b>G</b> Gypsy Moth 1 3 Spinosad Acephate Spray at early instar stage. Broad programs often use <i>Bacillus thuringiensis</i> .
<b>C</b> Chlorosis 3 <b>VEE DURE</b> Macro-infuse in fall for multi-year green up. Combine with soil decompaction, fertilization.	<b>H</b> Hemlock Woolly Adelgid 1 2 3 <b>Xylect</b> Apply soil applications >60 days prior to fall feeding. Re-treat when suppression falters.
<b>D</b> Dutch Elm Disease 3 <b>Arbotect</b> Macro-infuse to protect for 2 to 3 seasons. Does not stop root graft infection.	<b>I</b> Injured Roots 2 <b>Cambistat</b> Prevention Air Tools Air tools decompact soil. Blend in organic matter and mulch over the top.
<b>E</b> Emerald Ash Borer 1 2 3 <b>Xylect</b> and/or Bifenthrin Annual preventive applications work best. Highly infested trees may be difficult to save.	<b>J</b> Japanese Beetle 1 2 3 <b>Xylect</b> and/or Bifenthrin Adults feed midsummer; grubs feed on roots until October.

<b>K</b> K Deficiency 2 <b>Fertilizer</b> Essential element and macronutrient.	<b>N</b> Needlecast 1 Chlorothalonil Requires two applications; one at 1/2 candle extension and one at full extension.
<b>L</b> Lepidoptera 1 3 Spinosad Acephate Foliar spray works best for early instar caterpillar stages.	<b>O</b> Oak Wilt 3 <b>Alamo</b> Protect healthy oaks within root graft distance of infected trees. Save infected white and bur oaks.
<b>M</b> Mites 1 3 <b>Aracimate</b> <b>LUCID</b> Micro-infusion with M3 infuser, or foliar applications combined with horticultural oil.	<b>P</b> Pine Wilt Nematode 3 <b>Pinetect</b> Treat preventively every other year prior to May 1.
<b>Q</b> Quercus Decline <b>Cultural Practices</b> Caused by a complex interaction of biotic and abiotic stresses.	<b>R</b> Rhizophora 1 Chlorothalonil Requires multiple years of treatment and cultural practices.
<b>S</b> Sycamore Anthracnose 3 <b>Arbotect</b> Macro-infusion suppresses symptoms for 3 seasons.	<b>T</b> Two-Lined Chestnut Borer 1 2 3 <b>Xylect</b> and/or Bifenthrin Attacks weak, stressed trees. Mulch, irrigate, and promote health to prevent this pest.
<b>U</b> Urban Stress 2 <b>Cambistat</b> ISA Arborist Everyone should call an arborist to care for their ailing urban trees.	<b>V</b> Verticillium Wilt <b>No Known Cure</b> Delay symptoms by proper pruning, watering, and fertilization. Rainbow is testing treatments.
<b>W</b> Weevils 1 2 3 <b>Xylect</b> Fall application provides control next season.	<b>X</b> <i>Xylella fastidiosa</i> 3 <b>BACASTAT</b> Annual application of Bacastat suppresses symptoms of bacterial leaf scorch.
<b>Y</b> Yellows <b>No Known Cure</b> Difficult to identify. Set low expectations with homeowner. midsummer.	<b>Z</b> Zimmerman Pine Moth 1 <b>Bifenthrin</b> Apply to trunk and main branches in spring and again midsummer.



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# TREE Fund Update



## A Rider's Perspective of the 2009 Tour des Trees

by Andy Kittsley

*Andy Kittsley, a 13 year veteran rider in the annual Tour des Trees, provides this inside perspective of the New England Tour that was held in conjunction with the July 2009 ISA International Conference and Trade Show.*

*Tammy Kovar rode an abbreviated Tour; Shari Medley and Laura Sanagorski and were unable to participate.*



We started (the 2009 Tour des Trees) in northern New Jersey. Now anyone who has been past the oil refinery and depot in Bayonne may think that all northern NJ is the same, and frankly I was one of those 'anyones'. Imagine, then the surprise in finding quiet little towns, winding country roads and horse farms just 2 or 3 miles from the coast. And the surprises didn't end there.

After a fast Ferry ride across the sound to Wall Street Terminal we rode through downtown Manhattan, past the Empire State Building to Central Park. Two laps around the 7 mile loop inside F. L. Olmstead's masterpiece made us dizzy from dodging thousands of joggers, roller bladers and errant cyclists of all stripes. We were warmly greeted there by

Chuck Leavell, tree farmer and keyboardist for many rock-n-roll bands like The Grateful Dead and The Rolling stones. As we rode away, Chuck was banging out some great riding music on the keyboard.

So we headed north. Up through Harlem, then Spanish Harlem, then the Bronx, stopping at nearly every traffic light for miles. Eventually we crawled out of Metropolis and into the culture shock which is Westchester County. The houses here were as big as some of the apartment buildings in Harlem.

We ended day 1 in Mt Kisco in the Hudson River Valley of New York State.

Day Two was to prove a challenge. By the time we arrived in Waterbury Connecticut we had climbed well over 5000 vertical feet. Many calories were reclaimed in the Tap Room.

The Third Day dawned... kind of. Grey and rainy, clouds - dense and low - wrung themselves out on us all the way to Springfield, Mass. 74 miles away. The Hammerheads got there before the rooms were ready, but the baggage was there so we mobbed the Men's Room, commandeering the hot air hand dryers, and using embarrassingly large amounts of paper towels to get dry and warm. I mention this because the temperature outside was in the low 60s. Being

wet for 4 hours, in the wind and cool temps, yields a mild hypothermic condition called cyclist chill. We got warm, and then went to turn our bikes upside down so the water in the frames could drain.

The ride into Brattleboro, Vermont on Day Four was milder: no rain, still overcast, and nearly 75 degrees. The climbs two days before and the rain of yesterday took their toll on riders who dribbled in all afternoon.

Day Five was 'Groundhog Day' - we woke to rain, cool temps (in the 50s in the morning) and no chance for the weather clearing. Plus we had 90+ miles to ride... to get to

*Tour des Trees, continued on page 17*



*Tour des Trees, continued from page 16*

Nashua, New Hampshire. So off we went, wet to the skin within minutes. Coffee shops and Dunkin Donut stores along the way saw quite a few nearly drowned Tour riders straggle in for some welcome fat calories and hot caffeine. The bright spot, we realized later, being that no-one crashed on the wet roads, and everyone made it eventually to supper – the fifth of the tour, and as outstanding as the others. Dinners are sponsored by various groups along the Tour, and somehow, despite the different parentage of each, all the evening meals were uniformly delightful.



*Hammerheads: A Kittsley, Mike Skivington, and Phil Graham*

Day Six dawned grey again, but the consensus of opinion was that the grey was a bit lighter. Besides, the rain had mostly stopped so the ride to Boston Common looked like a breeze. Peddling through the on again off again rain past the Revolutionary War sites of Lexington and Cambridge we saw houses built in the early 1700s, and struggled to remember those history lessons from 7th and 8th grade. The rain, we decided, had distorted our perceptions to the point that total recall was not possible. Once in Boston proper, the Common was easy to find. We planted a beautiful White Oak on the bluff overlooking the park, wrapping up the day with the 5 mile ride to the hotel.

Now dawned the last day of the ride with what - we were assured by the TV weather show - was sunshine. Having had almost none since the very first day in Central Park, sunscreen was difficult to locate in the bottom of bags, under the still damp and slowly moldering wet socks and riding gloves.

Off we pushed as a group on the final 40 miles of Stihl Tour des Trees 2009. We arrived a bit late into Roger Williams Park to loud acclaim from the crowd gathered there to watch the Climbing Champions vie for top finish.

It always happens at the ride's end, people you want to say good bye to get swept away; bikes are quickly disassembled and put into shipping boxes, planes are dashed for, photos you wanted to have cannot be arranged, and "thank yous" go unsaid.

For the riders it's another ride completed, for the TREE Fund it's another year of grants, for the ride committee it's a short break before the route for next year needs to be thought out. For me, it was the 13th Tour in a row. For Tammy, it was Tour number 2. For Laura and Shari it was almost.

Next year, with some planning, some cooperation, and some luck, we might well have 4 riders gliding into Chicago. The more the merrier. Join us and see! ❖



*Tammy Kovar, owner of Biological Tree Services, Bradenton, FL, strikes a pose in Central Park, NYC.*



## Consultant's Corner

by Joe Samnik, Consulting Arborist

### A Matter of Emphasis



A couple of decades ago I hung a picture on my office wall. I hung it there at the beginning of my career in appraising trees and plants. The caption under the picture reads, "Do you want your assessment to show how much your tree is worth, or how little it is worth - it's a matter of emphasis". Setting aside the naïveté of the statement, the question remains the matter of emphasis in the approach used to valuation - and the ethical repercussions which ensue.

I took the picture while in the Great Smoky Mountains National Park with my then, new bride. In the foreground of the picture is a tree dead as a doornail, but nonetheless majestically embracing with its gray and white shimmering limbs and branches, an endless wave of green mountains and babbling brooks. Most of my thoughts in those days surrounded my compulsive necessity to put a value on every tree I looked at, much to the chagrin of my new bride. Undaunted by her insistence to live in the moment, I would sit in silence while secretly appraising the value of trees. This no doubt pleased her as she substituted my reality with her beliefs that I was in fact not compulsively appraising trees but rather enjoying the moment.

So the question remains: Did this tree have a value? To be certain it was dead. Perhaps it had a negative value equating into the cost of removal. But the tree made a dramatic statement as it related to architecture, aesthetics, and function. The latter marked a little-known trailhead which my bride and I traveled upon over the years.

If this tree were located in our populated cities, towns or counties it no doubt would be adjudicated a hazard and removed; thus, the negative value. But it wasn't located in heavily populated areas which were frequented by travelers on foot or in car, (save the occasional trespass by two newlyweds). Then it would come to my mind the appraisal approach for its architecture or aesthetics. What of its contribution? It's placement? Would anyone really miss one dead tree in a countless biomass of millions?

Some years later a co-worker barged into my office screaming expletives regarding the appraisal report of a tree by an appraiser on the other side of a lawsuit. It seemed that the subject appraiser included in her report a picture of a home with

*Consultant's Corner, continued on page 19*

# WHEN TREES MATTER...

## Joe Samnik, Consulting Arborist

*Past president of Association of Eminent Domain Professionals (AEDP)  
Founding president of the International Society of Arboriculture (ISA), Florida Chapter*

## Amy Hurst, Certified Arborist

## Lori Ballard, Certified Arborist

*FNGLA Certified Horticulture Professional*

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*Consultant's Corner, continued from page 18*

no trees to be found. My illustrious co-worker had in her report a picture of the same home nearly hidden by trees (which were located on a portion of the residential land). How could the appraiser on the other side be so unethical as to not include a photograph of the home at an angle which showed the trees, queried my college. How indeed, I replied, could you have not? Was one appraiser conducting herself in an unethical manner? Who was right and who was wrong? It's a matter of emphasis.

Plaintiffs and defendants come from a place of emphasis - and so do the attorneys who represent them. And that is as it should be; at least it's the system in our great country. The former placement of emphasis is grounded in emotion, the latter in legal training of representation of those emotions, typically in the form of motions in the trying of a case.

The problem with placing a value from a place of emphasis is advocacy. Advocacy may be found rooted in ethics. Ethics, along with honor and integrity, are the greatest and single most important attributes a plant appraiser (or anyone else) can have - especially when the matter enters into the realm of dispute which typically leads to sworn testimony. When appraising from a point of emphasis, one must take great care not to become an advocate. The only accepted advocacy is the one for your opinion, not the emotions which become a part of the assessment process. As importantly, if appraising from a point of emphasis one must prepare for defending their approach to value. There are ways to do this. Formulas come to mind. Formulas lend themselves to a seemingly legitimate approach of placing emphasis when appraising a plant or tree; however, formulas are not without their significant problems. Another caveat with appraising from a place of emphasis is that your approach to value changes from situation to situation. This is a very bad thing. When discovered, usually under oath, it becomes exceedingly difficult to maintain the legitimate role of a fact provider to the Trier of these facts. Can anyone spell "impeachment"?

As the years have passed since I took that picture of the dead tree which still hangs in my office, I have long abandoned the notion of legitimately testifying or basing my opinion of value from a point of emphasis. Recently my bride and I took a hiatus from our careers and traveled back to the Great Smoky Mountains in search of a dead tree which marked a little-known trailhead. The dead tree was gone, and despite our best efforts we never found the trailhead. So the question comes full circle: Did the dead tree still pictured on my wall have a value? It's a matter of emphasis. ❖



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# News From International

## ISA Member Logo usage by Companies

ISA understands that it may be difficult for companies owned by or employing ISA members to be in compliance and use the member logo that has been provided by ISA. In order to help our members avoid logo misuse, we will now provide the ISA logo with the necessary wording of “on staff.”

Companies employing ISA members may only use the logo for company advertisements, stationary, and equipment if used in conjunction with the words “on staff.”

– From the ISA Branding & Style Guide

The member vehicle signs sold by ISA will now include “on staff.” Logos used for company stationery, advertisements, etc. should be replaced by the new logo. However, if the name of the member is included

with the logo usage you may continue to use the existing logo. As always, individual professional members, as stated in the branding and style guide, may still use the member logo by itself on clothing and personal business cards. If you have any questions regarding ISA Member logo usage or to request the new “on staff” electronic logo file, you may contact Danielle Deck, membership coordinator, at [ddeck@isa-arbor.com](mailto:ddeck@isa-arbor.com) or Sonia Garth, public relations manager, at [sgarth@isa-arbor.com](mailto:sgarth@isa-arbor.com).

## Increase of Membership Dues Approved

The ISA Board of Directors approved a membership dues increase at its board meeting Sunday, July 26. A dues increase was needed for the past two years. The success of other ISA programs and the cost-cutting efforts delayed the inevitable. The existing plans for developing exciting educational resources, building important green relationships, and improving existing member benefits helped decide the dues increase in 2010. The additional revenue will be reinvested into initiatives requested by members and volunteer committees alike. Without the financial support, ISA could survive, but it would not be ready to support the arboriculture profession when the global economic climate improves.

## ISA Launches ArborPod

Podcasts, or Personal On-demand Broadcasts, have become one of the most direct ways of receiving educational programming specific to a particular topic of interest through a series of digital audio or video recordings. How does a podcast work? Audio or video files can be automatically transmitted via Internet and downloaded to a personal computer,



smart phone, or MP3 player. A podcast can be compared to a magazine subscription in that the user subscribes to a podcast series and new content is generated and received on a regular basis. ISA has identified this medium as a highly accessible and effective means of providing ongoing, arboricultural information to tree care professionals to address today’s most current and relevant topics. We are excited and proud to have launched the first series of ArborPod™—Science of Arboriculture—which is now available through iTunes. In this series, Dr. Tom Smiley is our host to a wide variety of educational talks by the world’s top researchers, educators, and practitioners in arboriculture. [Click here](#) to listen to the first episodes! If you’d like to be a guest in ArborPod, e-mail Luana Vargas at [lvargas@isa-arbor.com](mailto:lvargas@isa-arbor.com). ❖





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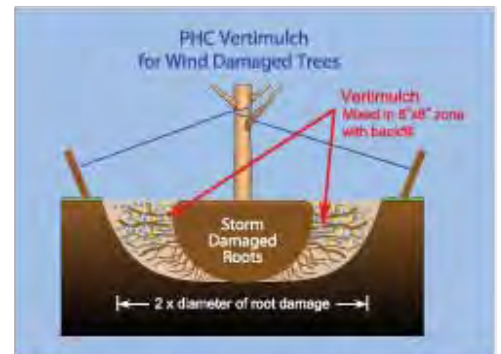
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The following article is provided in English and Spanish

## Florida's Urban Forests and Green House Gas Reductions

*Dr. Francisco Escobedo, School of Forest Resources and Conservation, University of Florida, Gainesville and*

*Henry Mayer, Miami Dade IFAS Extension Agent and ISA Hispanic Committee*

Recent news and research has debated the advantages and disadvantages of using urban tree plantings for green house gas reductions. Several researchers point to the importance of forests in reducing carbon from the atmosphere (<http://www.isa-arbor.com/publications/arbNews/pdfs/Jun07-feature.pdf>). While several other articles and books argue that tree plantings are a way to shift attentions away from the true causes of pollution (<http://www.ucpress.edu/books/pages/9961.php>). Although both sides agree that not emitting carbon dioxide (CO<sub>2</sub>) in the first place is the best solution, the rest of this article will show some facts about how much carbon is absorbed, or sequestered by urban trees in Florida and how they compare to actual emission from urban areas.

Urban forests can capture atmospheric carbon dioxide by storing carbon in the soil and in a tree's roots, stems, and branches. Urban forests can also help reduce carbon dioxide emissions from fossil-fuel-based power plants because their shade reduces energy consumption for cooling buildings. Different trees can take up carbon differently depending on their growth, size, species and condition. Using these relationships we can estimate the amount of carbon in a tree by estimating its dry

weight. Carbon sequestration is the estimated amount of carbon a tree's stem and branches take up during one year of growth. By using actual tree measurements and the Urban Forest Effects Model (<http://www.ufore.org/about/index.html>) we estimate how much carbon Gainesville and Miami-Dade County's trees sequester through their growth. The following table provides an estimate of the carbon sequestered by different sized trees in Gainesville.

What results show is that overall, healthier and larger trees sequester more carbon annually than do younger, smaller sized trees due to the limited growth and size. Eventually if small trees remain healthy and continue to grow, they will accumulate more carbon as their biomass increases. Trees in poor condition sequester less carbon than do healthy trees, and dead trees actually emit carbon as they decompose. Urban forests in Gainesville have greater tree densities, store more carbon and presents lower per-tree sequestration rates compared to Miami-Dade County. Areas characterized by undeveloped, natural pine-oak forests, mangroves and stands of highly invasive *Melaleuca quiquinervia* were most apt at sequestering CO<sub>2</sub>. (See <http://edis.ifas.ufl.edu/FR272> for methods and more details). Additional information on the effects of trees on building energy use and carbon emission can be found at <http://edis.ifas.ufl.edu/FR273>.

So, do trees really make a difference in capturing the carbon dioxide we emit? First let's see how much carbon dioxide is emitted from urban areas in Florida. According to Miami-Dade County, a total of 31.97 millions of equivalent tons of CO<sub>2</sub> were emitted in Miami-Dade County in 2005 ([http://www.miamidade.gov/derm/library/air\\_quality/CO<sub>2</sub>\\_Reduction\\_Final\\_Report.pdf](http://www.miamidade.gov/derm/library/air_quality/CO2_Reduction_Final_Report.pdf)); this is about 15 times more than the emissions in Gainesville.

*GreenHouse Gas cont'd page 24*

Tree Diameter at Breast Height Class (cm)	Per Tree Carbon Sequestered (kg/year)
1 – 15	2
16 – 30	9
31 – 45	17
46 – 60	9
61 – 76	33
77+	111



El siguiente artículo está escrito en Inglés y en Español.

## El Bosque Urbano en la Florida y la Reducción de Gases Efecto Invernadero

*Dr. Francisco Escobedo, Escuela de Recursos Naturales y de la Conservación de la Universidad de la Florida, Gainesville*

y

*Henry Mayer, Miami Dade IFAS Agente de Extension*

y

*ISA Comité Hispano. Revisión: Rubén Regalado, Miami-Dade Extension Service*

Noticias e investigación recientes han discutido las ventajas y las desventajas de usar árboles en zonas urbanas para reducir gases causantes del efecto invernadero. Varios investigadores señalan la importancia de bosques para la reducción del carbono de la atmósfera (<http://www.isa-arbor.com/publications/arbNews/pdfs/Jun07-feature.pdf>). Varios artículos y libros sostienen que las siembras de árboles son una manera de cambiar la atención sobre las verdaderas causas de la contaminación (<http://www.ucpress.edu/books/pages/9961.php>). Todos están de acuerdo que la mejor manera de reducir el efecto invernadero es reducir las emisiones de dióxido de carbono (CO<sub>2</sub>) a la atmósfera. Este artículo muestra algunos hechos sobre cuánto carbono es absorbido o fijado por los árboles en las ciudades en Florida y cómo se comparan con las emisiones de carbono provenientes de nuestras ciudades.

Los bosques urbanos pueden capturar el dióxido de carbono (CO<sub>2</sub>) atmosférico y almacenarlo en el suelo, en las raíces, el tronco, y en las ramas. Los bosques ur-

banos también pueden ayudar a reducir las emisiones de CO<sub>2</sub> producidas por las centrales eléctricas debido al efecto de enfriamiento y reducción energética que su sombra proporcionan. Diversos árboles pueden absorber el carbono en formas diferentes dependiendo de su crecimiento, tamaño, especie y condición. Usando estas relaciones podemos estimar la cantidad de carbono en un árbol estimando su peso seco. El carbono capturado es la cantidad estimada de carbono que las ramas y tallo absorben durante un año de crecimiento. Usando medidas reales del árbol y el Modelo del Urban Forest Effects (<http://www.ufore.org/about/index.html>) se estima cuánto carbono los árboles capturan en Gainesville y en el condado de Miami-Dade a través de su crecimiento. La siguiente tabla proporciona una estimación del carbono fijado por árboles según su tamaño en Gainesville.

En general, los árboles sanos y más grandes fijan más carbono anualmente que los árboles más jóvenes y más pequeños debido al crecimiento limitado y el tamaño en estos últimos. Eventualmente si los árboles pequeños siguen sanos y continúan creciendo, acumularán más carbono al aumentar su biomasa. Los árboles en mal estado fijan menos carbono que los árboles sanos, y al morir emiten carbono mientras que se descomponen. Los bosques urbanos en Gainesville tienen mayores densidades de árboles que los de Miami por lo que almacenan más carbono y presentan tasas más bajas de fijación de carbono por árbol. Las áreas no urbanizadas, con bosques de pino y roble, mangles y en áreas de árboles invasores Melaleuca quinquenervia fueron los que más fijaron el CO<sub>2</sub>. Para más detalles vea la publicación <http://edis.ifas.ufl.edu/FR272>. Para información adicional sobre los efectos de los árboles sobre uso de energía y emisión de carbono vea la publicación

*Gases Efecto Invernadero cont'd page 25*

Diámetro del Árbol a la Altura del Pecho (cm)	Captación del C. por Árbol (kg/year)
1 – 15	2
16 – 30	9
31 – 45	17
46 – 60	9
61 – 76	33
77+	111



*GreenHouse Gas cont'd from page 22*

(<https://govconnect.alachuacounty.us/committees/ECSC/Strategies/Shared%20Documents/GRU%20%20Interim%201605%20b%20GHG%20report%20rev%2041.pdf>). Both of these reports indicate that the largest emissions were from transportation and electrical usage in both cities.

If we use our urban forest carbon dioxide (CO2) sequestration results and compare them to CO2 emissions, we find that relative to total city-wide emissions, urban forests (i.e. the sum of all trees) through their growth can sequester 3.4% and 1.8% of all CO2 emission in Gainesville and Miami-Dade County, respectively. Although this does not seem like much, this amount of CO2 sequestration by trees was comparable to other existing policy reduction strategies presented under Miami-Dade County's CO2 reduction plan. Miami-

Dade County's trees for example sequester 564,500 tons of CO2 per year while in 2005 CO2 emissions reductions in the transportation sector were 17,608 tons and 423,303 tons in electrical production/use.

Solving climate change is complex and so are the mechanisms to integrate the use of trees in carbon offsets and markets (<http://www.fs.fed.us/ccrc/topics/urban-forests/>). Our preliminary estimates show that trees are not capturing all of the greenhouse gases emissions in these 2 Florida cities, yet CO2 sequestration by trees is comparable to other existing greenhouse gas reduction policies. As usual, more research and information is needed. But, even though all sides agree that reducing energy consumption is the only solution to pollution emissions, it seems that once again trees offer other benefits, in their ability to sequester carbon, than just making our communities more attractive. ❖



## Trees4Florida Public Service Announcements Available at [www.treesarecool.com](http://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 (FUFC) and the Florida Chapter of the International Society of Arboriculture (FC-ISA) developed the Trees4Florida 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.

Access these FREE PSAs by visiting [www.treesarecool.com](http://www.treesarecool.com); hover on 'Trees4Florida' in the menu box to the left to make your choice of ad style.

*Gases Infecto Invernadero cont'd from page 23*

<http://edis.ifas.ufl.edu/FR273>.

Entonces, ¿Es apreciable la acción de los árboles al capturar el carbono que emitimos? Primero veamos cuanto dióxido de carbono es emitido en áreas urbanas en la Florida. Un total de 31.97 millones de toneladas equivalentes de CO2 fueron emitidos en el condado de Miami-Dade en el año 2005 ([http://www.miamidade.gov/derm/library/air\\_quality/CO2\\_Reduction\\_Final\\_Report.pdf](http://www.miamidade.gov/derm/library/air_quality/CO2_Reduction_Final_Report.pdf)); esto es 15 veces más lo emitido en Gainesville (<https://govconnect.alachuacounty.us/committees/ECSC/Strategies/Shared%20Documents/GRU%20%20Interim%201605%20b%20GHG%20report%20rev%2041.pdf>). Ambos informes indican que las mayores emisiones provenían del sector transporte y electricidad en ambas ciudades.

Si utilizamos nuestros resultados de CO2 fijado por los árboles y los comparamos a los de CO2 emitidos, encontramos que los árboles urbanos pueden fijar 3.4% y 1.8% del total de la emisión de CO2 en Gainesville y Miami-Dade, respectivamente. Aunque esto no parezca mucho, esta cantidad de captación de CO2 es comparable a otras estrategias y políticas vigentes que el Condado Miami-Dade ha establecido. Por ejemplo, los árboles de Miami-Dade fijaron 564,500 toneladas de CO2 por año, mientras que en el año 2005 la reducción de emisiones de gas en el sector transporte fueron de 17,608 toneladas y las del sector eléctrico fueron de 423,303 toneladas.

Solucionar el cambio climático es complejo así como los mecanismos para integrar el uso de árboles en las compensaciones del carbono y los mercados (<http://www.fs.fed.us/ccrc/topics/urban-forests>). Nuestras estimaciones preliminares demuestran que los árboles no están capturando todas las emisiones de gases de efecto invernadero en estas 2 ciudades de la Florida, aunque el secuestro de CO2 por el arbolado es comparable a otras políticas existentes relacionadas con la reducción del gas de efecto invernadero. Como de costumbre, más investigación e información es necesarias. Aunque todo el mundo señala que la reducción del consumo de energía es la única solución para disminuir la emisión de contaminantes, nuevamente los árboles ofrecen otras ventajas, además de su capacidad de fijar el carbono, que solo hacer nuestras comunidades más atractivas. ❖



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**Cannon Trees, Inc.**  
Brooksville/352-279-9709

**Snapper Creek Nursery**  
Ft Pierce/772-216-9993

**Champion Tree Farm**  
Gainesville/352-278-3321

**Southern Tree Growers**  
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**Fish Branch Tree Farm**  
Zolfo Springs/863-735-2242

**Spectrum Tree Farms**  
Live Oak/800-753-1379

**FMT Farms**  
Brooksville/352-799-6614

**Stewart's Tree Service**  
Brooksville/352-796-3426

**Marshall Tree Farm**  
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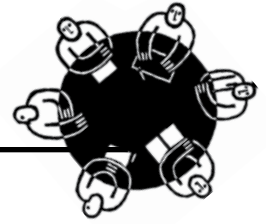
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To Subscribe to the RPG Times Newsletter or to request copies of the Tree Grading and Tree Planting Cue Cards contact an RPG member or visit [www.rootsplusgrowers.org](http://www.rootsplusgrowers.org)

# Florida Chapter Board Updates



### 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 the right to condense letters, or to edit as necessary.

### John White Scholarship Recipient

The fall John White Scholarship has been awarded to Mr. Kevin Kettner in the amount of \$500. Congratulations, Kevin. Good luck in your future endeavors.

If you know of a student who would like to be considered for the spring 2010 scholarship, please have them fill out the application form that is available at [www.floridaisa.org](http://www.floridaisa.org). The deadline to submit an application is **November 15, 2009** for the spring scholarship. The student must be enrolled full-time in an arboriculture program or related field with the intent to graduate in that field. Awards recipients are eligible to reapply for the scholarship annually.

### New Board Member

The Florida Chapter ISA welcomes Celeste White as the FUFCA Representative on the Board of Directors. Celeste is past president of FUFCA and is the commercial horticulture agent at the Orange County IFAS Extension office. She announced to the board that the deadline for submitting applications for the FUFCA annual awards is October 31, 2009. Information is at [http://www.fufca.org/awards\\_information.html](http://www.fufca.org/awards_information.html). ❖

With Florida's unique environment, extra attention must be paid to preserving our natural resources, especially our trees. By purchasing a TreesAreCool license plate you help underwrite programs that directly benefit trees of Florida which help keep our state the uniquely beautiful place we all call home.

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, \$2 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).





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## 2009 Certification Exam Schedule

The **FLORIDA CHAPTER** of ISA is pleased to announce our revised 2009 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
Saturday Oct. 31, 2009	Certified Arborist <b>Exam</b>	Hillsborough County IFAS 5339 CR 579 Seffner FL 33584	7:30 AM to Noon	Rob Northrup Richard Bailey	Minimum 12 business days prior	\$150/ \$250
Saturday Oct. 31, 2009	Certified Arborist <b>Exam</b>	Leon County IFAS 615 Paul Russell Road Tallahassee, FL 32301	8:30 AM to 1:00 PM	Perry Odom Stan Rosenthal	Minimum 12 business days prior	\$150/ \$250
Saturday Nov. 14, 2009	Certified Arborist <b>Exam</b>	Miami-Dade IFAS 18710 SW 288th Street Homestead, FL 33030	7:30 AM to Noon	George Fitzpatrick Henry Mayer	Minimum 12 business days prior	\$150/ \$250
Saturday Dec. 12, 2009	Certified Arborist <b>Exam</b>	pTEC 901 - 34th Street South St. Petersburg, FL 33711	8:00 AM to 12:30 PM	Norm Easey Glenn Duncan	Minimum 12 business days prior	\$150/ \$250
Saturday Dec. 19, 2009	Certified Arborist <b>Exam</b>	Indian River College 500 NW California Port St. Lucie, FL 34986	7:30 AM to Noon	Ann McMullian Joe Sentance	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](http://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](http://www.isa-arbor.com).

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FLORIDA CHAPTER

*October 9, 2009 - Jacksonville*  
*October 12, 2009 - Ocala*



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# Welcome!

## New Florida Chapter Members

Here are the individuals that joined the Florida Chapter during the second and third quarters of 2009. 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
Joseph	Acquenella	FT LAUDERDALE	FL	Tom	Ludwig	ST PETERSBURG	FL
Petronila	Blackburn	HOLLYWOOD	FL	Gary	Manley	POMPANO BEACH	FL
Aaron	Borgner	CRYSTAL RIVER	FL	William	McGowen	PACE	FL
John	Butts	SARASOTA	FL	Marc	McKeever	CLEARWATER	FL
Terrence	Cartwright	NASSAU		Michael	McNeill	NAPLES	FL
Rocco	Ceo	CORAL GABLES	FL	C	Meryman	RIVERVIEW	FL
Justin	Cervi	ST PETERSBURG	FL	Nicholas	Moore	FORT MYERS	FL
Barry	Cropp	EUSTIS	FL	Robert	Moore	TAMPA	FL
Bernard	Doyle	APOPKA	FL	Jose	Morales	ORLANDO	FL
Paul	Ebersold	DELRAY BEACH	FL	Ramiro	Morales	PLANT CITY	FL
Shane	Fieler	MIAMI	FL	Brandon	Pearce	CHIPLEY	FL
Michael	Finocchiaro	HOMESTEAD	FL	Jose	Perez	MIAMI	FL
Elaine	Gennaro	OAKLAND PARK	FL	Claudia	Piotrowicz	FORT MYERS	FL
Erin	Givens	SAN ANTONIO	FL	Todd	Reich	PEMBROKE PINES	FL
Eric	Gmelch	FERNANDINA BCH	FL	Yolanda	Rivera	MIAMI	FL
David	Hale	CLEARWATER	FL	Philippe	Rudisill	TALLAHASSEE	FL
Edward	Halla	HOMOSASSA	FL	Keith	Sabisch	SAINT CLOUD	FL
Sara	Hamilton	TAVERNIER	FL	Joseph	Shirah	WELLBORN	FL
Larry	Hammack	ORMOND BEACH	FL	Stephen	Simone	POMPANO BEACH	FL
Eric	Hatcher	LAKELAND	FL	Rhiannon	Stover	DADE CITY	FL
Hilary	Hathaway	LAKE PLACID	FL	Jeb	Teuton	PALATKA	FL
Norys	Hayes	MIAMI	FL	Robert	Tews	JACKSONVILLE	FL
David	Heflin	TUSCALOOSA	AL	Nelson	Timbang	HOMESTEAD	FL
Timothy	Hodgins	MIAMI	FL	Elena	Viamontes	MIAMI	FL
Gloria	Jones	FT LAUDERDALE	FL	Stanley	Waddington	NEW PT RICHEY	FL
Dina	Kessaris	POMPANO BEACH	FL	Cullen	Walker	NAPLES	FL
Mark	Kohout	SARASOTA	FL	Danise	Weber	GROVELAND	FL
Rodney	LeDuc	TAMPA	FL	Michael	Wetherington	SAINT CLOUD	FL
Christie	Leiva	CORAL GABLESFL		Jerry	Williams	POMPANO BEACH	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.*

Up-coming 2009  
Board Meeting  
Date & Location  
November 13, 2009  
FNGLA Office - Orlando

Come see what your  
Chapter is up to by attending a  
**Board of Directors  
Meeting!**

This invitation is open to  
all members.  
Please call  
**941-342-0153**  
for specific times and locations

# Arborist Certification Committee Report

*By Norm Easey, Florida Certification Liaison*

Arborist Certification is still moving ahead worldwide; there are now 23,995 ISA Certified Arborists, 938 ISA Certified Tree Workers, 1,515 Utility Specialists, 332 Municipal Specialists and 285 Board Certified Master Arborists. The Florida Chapter currently has 1,717 Certified Arborists.

The Florida Chapter would like to congratulate the following 55 Florida individuals for earning their Arborist Certification, Utility Arborist Certification, and Municipal Arborist Certification during the second quarter of 2009:

## **Certified Arborist**

George Alvarez, Tampa, FL  
 Greg Bear, Orlando, FL  
 Brononiae Baker, Coral Springs, FL  
 Lori Ballard, Palm Harbor, FL  
 Jan Bel Jan, Palm Beach Gardens, FL  
 Scott Bilyeu, Jacksonville, FL  
 Christopher Blair, Ft. Pierce, FL  
 Brenda Borigiet, Deland, FL  
 Richard Cervi, St. Petersburg  
 Darla Cooper, Deerfield Beach, FL  
 Michael Corning, Miami, FL  
 Stephen Cornwell, Lake Park, FL  
 Mary Danielewicz-Bryson, Land O Lakes, FL  
 Gerald Dugger, Ft. Pierce, FL  
 Scott Fawcett, Naples, FL  
 Chad Ford, Boynton Beach, FL  
 David Fox, Gainesville, FL  
 L. Gerber, Orlando, FL  
 Diana Gilman, Bonita Springs, FL  
 Aaron Haggart, Hollywood, FL  
 John Hall, Orlando, FL  
 David Hart, Jacksonville, FL  
 Richard Hubbell, Margate, FL  
 Gary Hunt, Miami Beach, FL  
 Christofer King, Jacksonville, FL  
 Joseph Loadholtz, Cocoa, FL  
 Rhys Lucero, St. Petersburg, FL  
 Rachel McDonnough, Tallahassee, FL  
 Julie McKamey, Bradenton, FL

Tiare Meer, Orlando, FL  
 Nicholas Moore, Ft. Myers, FL  
 Michael Newton, Tallahassee, FL  
 Michael Odom, Tallahassee, FL  
 Rose Parsons, Odessa, FL  
 Tyson Payne, Ft. Myers, FL  
 Claudia Piotrowicz, Ft. Myers, FL  
 Mike Preston, Davie, FL  
 Timothy Quinn, Port Charlotte, FL  
 Wade Reyburn, Port Charlotte, FL  
 Rhett Roy, Ft. Lauderdale, FL  
 Eduardo Salcedo, Miami, FL  
 Daniel Sandoval, Orlando, FL  
 Howard Shaw, Jacksonville, FL  
 Stephen Simone, Deerfield Beach, FL  
 Karl Soderholm, Jacksonville, FL  
 Mark Stephens, Wellington, FL  
 D. Stretchberry, Brandon, FL  
 Denise Webber, Groveland, FL  
 Bryan Wilson, Tallahassee, FL

## **Utility Arborist**

Herman Alexander, Ocala, FL  
 Kenneth Lacasse, Sumterville, FL  
 Jess Mason, Bushnell, FL  
 Gary Miller, Sumterville, FL

## **Municipal Arborist**

Tara Boujoulian, South Daytona, FL  
 Brian Rosen, Coconut Creek, FL



Are you thinking about becoming certified?

*Visit the [International ISA website](#)*

to access the certification application handbook with further information.



# 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.

**ISA**  
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