

Winter 2009
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University of Florida Receives \$300,000 Commitment from the Florida Chapter ISA

The Florida Chapter of the International Society of Arboriculture (ISA) signed an agreement that pledges a \$300,000 gift to the University of Florida Foundation (UF) over the next 5 years. The money, paid in annual installments, will create an endowment called the Florida Chapter ISA Arboriculture Endowment Fund.



Pictured above: Holding the pledge check (left) Florida Chapter ISA President, Mike Robinson and University of Florida Interim Senior Vice President, Larry Arrington (right) poses with IFAS SHARE Council Executive Director Ken DeVries, and UF Environmental Horticulture Department Chairman Terril Nell and the Florida Chapter ISA Board of Directors

The funds for this endowment will be generated by the “Trees Are Cool” specialty license plate sales managed by the Florida Chapter ISA. The chapter has scheduled a significant portion of the funds generated by the license plate to support the UF endowment. Norm Easey, Executive Director of the Florida Chapter ISA, stated, “The University of Florida IFAS faculty have generously supported the Florida Chapter

A Message From the President



Wow, here it is and the year has nearly passed. It has certainly been a pleasure and an honor to have served as your President for this past year. It has been a busy one so it has passed very quickly. At the end of the year it is customary to celebrate our successes but also to look at where we were not as successful and see what could have been done to ensure more favorable outcomes.

First, the main reason for our successes is certainly the efforts put forth by the staff in the office and the work by the Board and Committees!! Without their tireless efforts (at least I never heard anything) none of the things our Chapter did this year could have taken place. Norm, Jan, and Patty have done a superb job in keeping our Chapter's business running smoothly and efficiently. I've been to the office and it's a good thing everyone's friendly, believe me.

Your Education Committee has done an excellent job of nearly doubling the number of opportunities for you to attend continuing education programs throughout the state. With our state's diverse climate, they have done well in providing classes in all the regions and offering a multitude of topics. Well done Dr. Gilman and members of the committee!!

I also have to bring recognition to Bill Slaymaker and the Work Day Committee for their excellent job in bringing this project back. The annual Work Day event had dwindled and even seemed like it was becoming lost in the process but with the guidance of Bill and his committee we had three good projects in 2009 that were a rousing success. The spring and summer issues of the Florida Arborist gave details of each event. My thanks to all of you who participated in the planning and work on the actual day. I understand we have a new set of projects lined up for the Work Day in 2010; I encourage everyone to participate at the event nearest you as it will do nothing but bring good to our organization. You DO get more in return than what you give when helping out one of the needy groups on one of the Work Day events. [Click here for volunteer form.](#)

Another word of thanks needs to go out to all of the people who worked to make our Trees Florida conference the suc-

cess that it was. Even in the down economy we have had, the conference was still a positive event. You could not have asked for a better venue than the Ritz-Carlton in Sarasota. I've seen the results of the electronic survey regarding the conference and most gave it great reviews. The other thing that is always gleaned from the survey is the list of topics that members want to have at the next conference. The committee is already hard at work to make it another success in Key West!!

I also want to make mention of what I think is one of the most significant events to ever occur for the Florida Chapter; I'm talking about our chapter using proceeds from the sale of the "Trees are Cool" license plate to fund a chair in the Horticulture Department at the University of Florida. You can read more details about it in this issue. We have been blessed with one of the country's premier researcher and educator in the horticultural field through the works of Dr. Ed Gilman. As much as we all would like, Dr. Gilman will not be at the University forever and funding a chair will eventually provide for a continued arboriculture position for the future once he retires. You can help support this effort yourself by buying one of these plates when it's time to renew your own tags. I am very proud of our chapter in making this great step!!

Unfortunately we were not successful with getting the Licensing legislation passed this year. The law firm that is working with us in Tallahassee has agreed to make another run for us in the 2010 legislative session. We were very close to getting the bill passed this last session and our advisors feel it's as near a lock as can be for the next year. Politics sometimes work very slowly and it seems we are not making any progress but rest assured Joe Samnik and the Licensing Committee are hard at it for us. Thanks for your efforts!!!

In closing I want to say thanks again to all who have served on the board and committees for this past year; there are too many to single out by name. The work you all have done, strictly as volunteers, and your passion for the advancement of our profession, our Florida Chapter, and the care of trees within our state is certainly to be commended. It has been a great pleasure of mine to serve with you. Your dedication has made my job as president an easy one. I hope you will all give the same efforts to our incoming President Dave Reilly.

Sincerely,

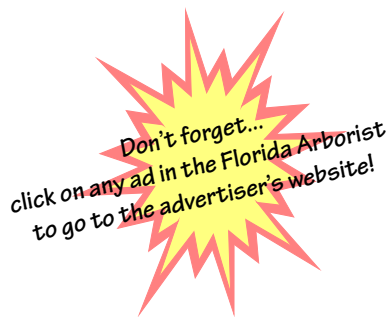
A handwritten signature in black ink that reads "Mike Robinson". The signature is written in a cursive, flowing style.

President, Florida Chapter ISA

In the News

Antifungal Compounds Discovered in Cayenne pepper

Scientists from USDA's Ag. Research Service found cayenne pepper contains novel antifungal plant compounds. ARS has patented a pepper saponin extract named CAY-1 that has fungicidal properties. When CAY-1 was tested against grape fungal pathogens, it was found to be lethal during the early spore germination cycle of 7 fungi, but was inactive against nongerminated or dormant spores. CAY-1 holds promise for dual use as an antifungal in both agriculture and medicine.



Coming Soon: Tires Made From Trees

Automobile owners may someday soon be driving on tires that are partly made out of trees – which could cost less, perform better and save on fuel and energy, ScienceDaily reported. Wood science researchers at Oregon State University have made some surprising findings about the potential of microcrystalline cellulose—a product that can be made easily from almost any type of plant fibers—to partially replace silica as reinforcing filler in the manufacture of rubber tires. A new study suggests that this approach might decrease the energy required to produce the tire, reduce costs and better resist heat buildup.



Legislation Aims to Prevent Organic Fertilizer Fraud



California Gov. Arnold Schwarzenegger has been sent Assembly Bill 856 that would allow the California Department of Food and Agriculture Fertilizer Inspection Division to regulate fertilizer materials used in certified organic production. The bill also increases the penalties for violations of organic fertilizer standards and establishes a fee structure for fertilizer manufacturers that would raise as much as \$416,000 annually for implementation and operation of the program.

In the News continued on page 17

Florida Chapter ISA

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Volunteer Workday Committee Report

Bill Slaymaker, Workday Chair

The Florida Chapter ISA Board has approved the 2010 Workday recipients at the November 12, 2009 meeting. This year we had 7 applications to review and select from. The Workday Committee's goal is to organize 3 workdays' events each year, one in each region of the state.

This years selections are

- Jacksonville Arboretum and Gardens
(North - [Jacksonville Arboretum website](#))
- McKee Botanical Gardens, Vero Beach
(Central - [McKee Gardens website](#))
- and Girl Scouts Camp Telogia, Broward County
(South - [Camp Telogia website](#))

All 3 events are planned for the second Saturday of February (February 13, 2010).

The next step is planning each event and identifying volunteers interested in participating. Workday Committee members ([Perry Odom](#) - North, [Lee Mackin](#) - Central, [Kris Stultz](#) - South and [Bill Slaymaker](#) - Chair) will also be meeting with recipients to identify what work they are looking to accomplish and to assess how the Florida Chapter membership can best help. If you or your company are interested in participating or would like more details please contact the chapter office or one of the Workday Committee members listed above. The volunteer form is available at [floridaisa.org](#).

Last year we had approximately 100 volunteers turn out for the 3 workday events. All who participated were very excited about helping and having a positive impact in their community. Volunteers also enjoyed getting the opportunity to work together with other professional arborists.

We would also like to encourage all members to reach out to your local non-profits in need of professional tree care. We need to make them aware of the volunteer work of our membership and get them to fill out and submit an application ([available at floridaisa.org](#)) for the workday in 2011... the Chapter will be accepting applications for 2011 through August 15, 2010. The workday committee will then review and make its recommendation to the Florida Chapter Board by October. Selections will be made at that time and event preparation will begin. REMEMBER an application must be submitted to be considered for a workday event. I am sure we all know of needy, non-profit organizations in our local areas that do not have the ways and means to care for their trees and landscape. Please take the time to reach out to them. This may be the perfect opportunity to encourage professional tree care in your community and to assist organizations in need of help.

- REACH OUT and encourage local non profits to submit their applications for 2011!
- MARK your calendars for Saturday February 13, 2010 and join the volunteers making a difference !!
- PICK UP the phone and call your Workday Committee Representative now!

Thank you. ❖



Workday photos, 2009

Membership Committee Report

by Don T. Winsett, Vice President and Membership Chair

Greetings Florida ISA Members:

On October 15-17, 2009 I was fortunate to have attended the International Society Annual Leadership Workshop in Champaign, Illinois. This event was truly a great experience for me and incoming President Dave Reilly. We met all of the staff at ISA International and now have a better understanding of what they contribute to each Chapter in their support efforts. There are excellent programs out there to support the local Chapters and I know that our Chapter Executive, Norm Easey, gains a wealth of knowledge and support when he attends. I want to personally thank the Board for suggesting that I attend and I look forward to participating next year as well.

If I may make a suggestion, I suggest that everyone who is voted in on the Board and serves for more than one year, attend this Workshop.

It does and will give you a better understanding of your Position on the Board and it will also help you better understand the great service that the ISA puts forth. ❖

Watch for Your 2010 Ballot!

Ballots will be mailed out soon to all current ISA members. Make sure to take the time to review the candidates and cast your vote for new board members for your Florida Chapter.



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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

ATTENTION FLORIDA CHAPTER CLIMBERS

It is time to register for the 2010 Florida Chapter Tree Climbing Championship

All Florida Chapter ISA members are invited to compete in the Florida Chapter 2010 Tree Climbing Championship. The winner(s) of this year's competition will be representing the Florida Chapter at the International Tree Climbing Championships, July 23-28, 2010 in Chicago, IL.

Due to the strong interest in last year's competition, thanks in many ways to the outstanding work performed by the dedicated volunteers, we request that all entry forms be submitted *early* to ensure a spot on this year's roster. In previous years we allowed participants to sign up and compete up until the start of the event; not this year. This year we have room for only **25 competitors** and space will be limited.

Registrations will be accepted on a first-come, first-serve basis.

WHERE:	Tallahassee, Florida
SITE:	Myers Park 913 Myers Park Drive Tallahassee, FL 32301
1/2 DAY CLASS	Friday, February 26, 2010 (limited to competitors and volunteers)
COMPETITION:	Saturday & Sunday, February 27 - 28, 2010
FEE:	\$75.00 per contestant
DEADLINE:	February 12, 2010 - No Exceptions
FORMS:	Click here to access the climber registration form Click here to access the climber waiver form
MAIL REGISTRATION FORM, WAIVER FORM & PAYMENT TO:	Florida Chapter ISA 7853 S. Leewynn Court Sarasota, FL 34240 (make checks payable to Florida Chapter ISA)

If there are any questions about this year's event, please contact:

Gabriel Muzzone, 2010 FCTCC Chairman
Office # 407-542-3993
E-mail: arborvision@cfl.rr.com

2010 FC-TCC tentative competition agenda:

Saturday morning:	Check-in and gear inspection Judge's introduction and event reviews
Saturday afternoon:	Throw line and Footlock events
Sunday morning:	Check-in and gear inspection Aerial Rescue, Belayed Speed Climb and Work Climb events The winner of each of these events will be awarded during the afternoon break and the Master Challenge competitors named.
Sunday afternoon:	Master's Challenge event review with the judges. Competition preparation Master's Challenge event

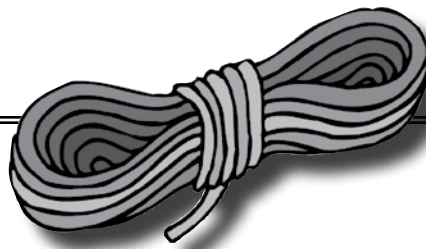
Calling all VOLUNTEERS!!

We welcome all volunteers in helping make this event a success! Volunteers can help with judging, site preparation or planning. On-site preparation is scheduled for Wednesday and Thursday, February 24 - 25, 2010 at Myers Park in Tallahassee.

[Click here to access the volunteer form](#)

[Click here to access the volunteer waiver form](#)

Return both completed forms to: Florida Chapter ISA ♦ 7853 S. Leewynn Court ♦ Sarasota, FL 34240

**2010 Tree Climbing Championship Prize Package**

The 2010 ArborMaster® Climbing Prize Package for the Florida Chapter Tree Climbing Champions, in conjunction with the Chapter's 2010 Tree Climbing Championship (FC-TCC) event will be announced in January 2010.

This prize package will be offered to each chapter champion (male and female)!

The package is intended to help equip the chapter representative(s) for the International Tree Climbing Championship (ITCC) Competition.

Comparison of Urban Forest Tree Inventory and Management Software Systems¹

Michael G. Andreu, Erin M. Brown, Melissa H. Friedman, Robert J. Northrop, and Mary E. Thornhill²

Background

In 1997, Olig and Miller published *A Guide to Street Tree Inventory Software*, providing a comparison of software providers, customization options, and data-entry time estimates for each software. After twelve years much of the information is outdated due to the rapid development of new technology and software upgrades. In 2006, the University of Florida held an Urban Forest Inventory Systems Symposium. This meeting brought together a suite of urban forest professionals to share their considerations when selecting tree inventory software systems and how these systems facilitated their management efforts (Andreu et al 2007). During this symposium it became apparent that an updated resource for selecting a tree inventory software system was needed. Coincidentally, in 2007, the US Forest Service published *Tree Inventory and Management Software* (USFS 2007), which provided a brief one-paragraph description of each of the software systems available at the time.

Introduction

This extension publication examines many of the tree inventory software systems available as of 2009. It provides up-to-date information about previously existing tree inventory software systems as well as those recently launched. However, the list of software systems provided here is not comprehensive, as we only included companies that we were able to successfully interview. The information provided in this publication has been reviewed and approved by each inventory system software provider. As a result, this synthesis pulls together more details of tree inventory software systems than previously available in one document.

When selecting a tree inventory software system, it is important to assess the user's needs and objectives so that the proper system can be chosen. Ideally the software system will support and not dictate a user's management objectives and activities. Below are some factors to consider when selecting a tree inventory software system:

- What types of questions is the inventory going to answer?
- Who is responsible for managing the urban forest inventory system?
- Are the software and data export files compatible with other software systems that are commonly used?
- How much training time is required and how much does it cost?
- What kind of upgrades and technical support does the software company offer?

For the purposes of comparing the features and capabilities of various tree inventory software systems, we have provided information in four tables. These tables are designed to allow managers to quickly assess which software systems offer the features they desire. Brief summaries, or 'mini spec sheets,' for each inventory system follow to provide additional information, such as typical clients/user types, upcoming upgrades, software costs, technical support, and contact information.



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Software continued from page 8

Tree Inventory Software Comparison Tables



Table 1 provides a comparison of the features and capabilities of each software system. The Customizable Data Fields and Customizable Reports features indicate which system allows users to tailor the software system design and data format to meet their data collection or analysis needs. The Work Order Generation and Track Maintenance features allow managers to document and manage tree maintenance and field crew schedules. Some systems include a geographic information system or GIS Component, which allows users to view their tree data and create maps. The Tree Valuation field indicates which systems have a tree valuation component.

The Photographs, Sketches or Diagrams field indicates the ability to attach image files to a tree record in the inventory. The Inventory Other Assets field indicates which systems can manage other assets beyond trees (e.g. street signs, park benches, utilities). The Sync with Field Devices field indicates which systems allow users to synchronize their field data collection devices (e.g. personal digital assistant) with their personal computers for data transfer. The Web-based Software field indicates which software operates via the Internet. And lastly, the Network Installation field simply indicates that the software can be installed on a network for multiple users.

Table 1

Software continued on page 10

Software & Features	Customizable Data Fields ¹	Work Order Generation	Track Maintenance	Customizable Reports	GIS Component ²	Tree Valuation	Inventory other Assets	Photographs, Sketches or Diagrams	Sync with Field Devices	Web-based Software	Network Installation	COSTS
ArborAccess	•	•	•	•	•	•	•	•		•		See Spec Sheet
ArborPro	•	•	•	•	•	•	•	•	•		•	\$5,000 +†
ArborSoftWorx C*		•	•	•	•	•	•	•	•		•	\$1,000 +†
ArborSoftWorx M**		•	•	•	•	•	•	•	•		•	\$1,500 +†
ArborVue	•	•	•	•	•	•		•	•		•	\$2,995 +†
Asset Manager	•	•	•	•	•		•	•	•			\$3,300
i-Tree (Streets)	•		•			•	•					Free
i-Tree (Eco)					•	•						Free
PDM-O***	•	•	•		•	•	•	•	•	•		\$1,000–3,000/year
Silvibase 5.1	•	•	•	•		•		•	•			\$2,000–3,000
Tree Keeper 7.6	•	•	•	•	•	•	•	•	•	•	•	See Spec Sheet
Trees in the Hood	•	•	•	•	•	•	•	•	•		•	Free +†
TreeWorks	•	•	•	•	•	•	•		•		•	See Spec Sheet
Trims	•	•	•	•					•		•	\$1,495 +†
UFIS ****	•	•	•	•	•	•	•		•			\$6,000
* ArborSoftWorx Commercial												
** ArborSoftWorx Municipal												
*** Point DataMap-Online												
**** Urban Forest Inventory Systems												
¹ See Table 2 for a further comparison of customizable data fields.												
² See Table 3 for further comparisons of GIS features.												
†The + indicates that there is an annual support package or maintenance fee in addition to the base price.												

Software continued from page 9

Table 2 provides a comparison of the various self explanatory data fields that can be customized: species list, maintenance recommendations, work areas/neighborhoods, and appearance.

Table 2

Customizable Data Fields	Arbor Access	ArborPro	ArborVue	Asset Manager	i-Tree (Street)	PDM-O *	Silvibase 5.1	TreeKeeper 7.6	Trees in the Hood	TreeWorks	Trims	UFIS**
Species List		•	•	•	•	•	•	•	•	•	•	•
Maintenance Recommendations	•	•	•	•	•	•	•	•	•	•	•	•
Work Areas/Neighborhoods	•	•	•	•	•	•	•	•	•	•	•	•
Appearance (skins)	•	•	•	•		•	•		•	•		•
* Point DataMap-Online												
**Urban Forest Inventory Systems												



Table 3 designates the types of Geographic Information Systems (GIS) components that are utilized by each software system: ESRI-Compatible, ESRI GIS System, Non-ESRI Mapping or GIS System. Additionally, it provides information about which software systems allow tree attribute data to be modified (Modify Tree Data in GIS mode), and which systems allow users to alter the spatial coordinates of trees while in the GIS mode (Manually Edit Trees in GIS Mode).

Table 3

GIS Components	Arbor Access	Arbor Pro	ArborSoftWorx C*	ArborSoftWorx M**	ArborVue	Asset Manager	i-Tree (Eco)	PDM-O***	TreeKeeper 7.6	Trees in the Hood	TreeWorks	UFIS****
ESRI Compatible	•	•	•	•	•	•		•	•	•	•	•
ESRI GIS System					•	•			•		•	
Non-ESRI Mapping or GIS System	•	•	•	•			•	•				•
Modify tree Data in GIS Mode		•			•	•		•	•	•	•	•
Manually Edit Trees in GIS Mode		•			•	•		•	•	•	•	•
GIS Mode												
*ArborSoft Worx Commercial												
**ArborSoftWorx Municipal												
***Point DataMap-Online												
****Urban Forest Inventory System												

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Software continued from page 10

Table 4 illustrates the operating system requirements for each software system: Windows 98, Windows 2000, Windows XP, Windows Vista, Mac OS X, and Linux. The Internet-based column indicates which software systems are only accessible via Web browser. This means that the software system cannot be installed on a local hard drive or intranet, and therefore requires an Internet connection.

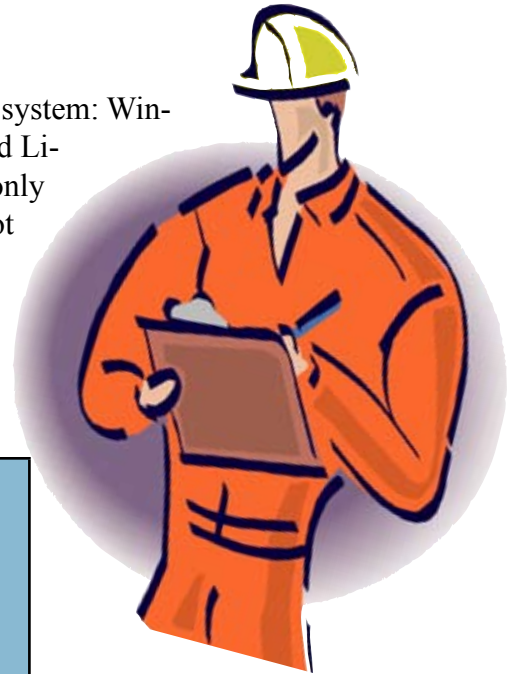


Table 4

Software OS Requirements	Windows 98	Windows 2000	Windows XP	Windows Vista	Mac OS X	Linux	Internet-based
ArborAccess							•
ArborPro	•	•	•	•			
ArborSoftWorx C*	•	•	•	•		•	
ArborSoftWorx M**	•	•	•	•		•	
ArborVue			•	•			
Asset Manager	•	•	•	•			
i-Tree (Street)		•	•				
i-Tree (Eco)		•	•				
PDM-O***							•
Silvibase 5.1		•	•				
Tree Keeper 7.6							•
Trees in the Hood	•	•	•	•	•		
TreeWorks		•	•	•			
Trims		•	•	•			
UFIS****	•	•	•				
* ArborSoftWorx Commercial							
** ArborSoftWorx Municipal							
*** Point DataMap-Online							
**** Urban Forest Inventory Systems							



Software continued on page 12



**Professional Arboriculture
Technologies**

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ISA Certified Arborist FL-0268

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Software continued from page 11

Individual Tree Inventory Software Spec Sheets

You can see at-a-glance technical specs at <http://edis.ifas.ufl.edu/fr288>. For detailed technical specifications, visit vendor web sites.

Acknowledgements

The authors would like to thank the companies listed above for participating in our interviews about their systems, and for providing us with much of the information for the content of this publication.

References

- Andreu, M.G., R.J. Northrop, and M.H. Friedman. 2007. Proceedings of the urban forest inventory systems symposium, University of Florida – Plant City Campus Dec. 14, 2006. Seffner FL: Hillsborough County Extension - producer B. Lofland. (Audiovisual Material 3 Disc set.). Olig, G.A and R.W. Miller. 1997. A Guide to Street Tree Inventory Software. <http://www.na.fs.fed.us/spfo/pubs/uf/streettree/toc.htm> (accessed 3/6/2009). U.S. Forest Service. 2007. Tree Inventory and Management Software. <http://www.na.fs.fed.us/urban/infore-sources/inventory/InventorySoftwareListDetails.pdf> (accessed 3/6/2009).

Footnotes

1. This document is FOR226, one of a series of the School of Forest Resources and Conservation, Florida Cooperative Extension Service, Institute of Food and Agricultural Sciences, University of Florida. Original publication date August 2009. Visit the EDIS Web site at <http://edis.ifas.ufl.edu>.
2. Michael G. Andreu, assistant professor; Erin M. Brown, research assistant; Melissa H. Friedman, biological scientist; Robert J. Northrop, extension forester; and Mary E. Thornhill, graduate student; School of Forest Resources and Conservation; Institute of Food and Agricultural Sciences; University of Florida; Gainesville 32611.

The use of trade names in this publication is solely for the purpose of providing specific information. UF/IFAS does not guarantee or warranty the products named, and references to them in this publication does not signify our approval to the exclusion of other products of suitable composition. ❖

Software continued on page 13

MARK YOUR CALENDAR FOR JUNE 13-15!



TREES FLORIDA 2010 CASA MARINA KEY WEST

Software continued from page 12

Inventory Software Vendor Links

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ArborPro

Web site: <http://www.arborprousa.com>

ArborSoftWorx® Commercial

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ArborSoftWorx® Municipal

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ArborVue

Web site: <http://www.arborvue.com>

Asset Manager

Web site: <http://www.davey.com/software>

i-Tree

Web site: <http://www.itreetools.org>

PDM-O™ – Point DataMap Online

Web site: <http://www.stratapointinc.com>

Silvibase 5.1

Web site: <http://www.nrpsforesters.com>

TreeKeeper® 7.6

Web site: <http://www.davey.com/software>

Trees in the Hood™

Web site: <http://www.naturalpathforestry.com>

TreeWorks™

Web site: <http://www.kenersongroup.com>

TRIMS Tree Inventory

Web site: <http://www.trims.com>

Urban Forest Inventory System (UFIS)

Web site: <http://www.nrtech.com>



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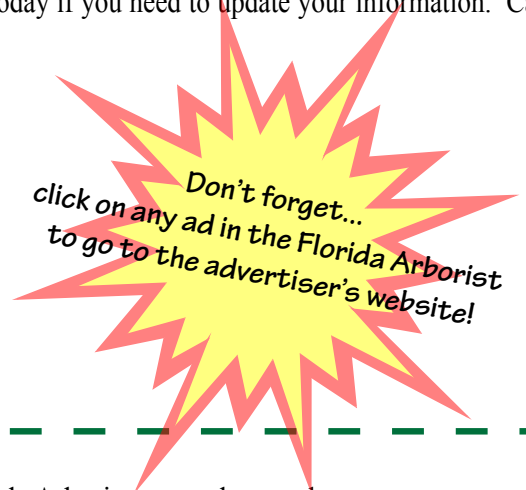
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UF Endowment continued from page 1

ISA over the years; this is an opportunity to show our appreciation.”

Larry Arrington, Interim Senior Vice President, UF/IFAS, stated, “Endowment support is particularly appreciated because it provides a stable and renewable resource for our IFAS programs. This special fund will

truly provide the margin of excellence for the IFAS Arboriculture program.”

The chapter’s board of directors signed a gift agreement with the University of Florida Foundation to establish the fund in support of arboriculture research and education at UF/IFAS’ Department of Environmental Horticulture. Florida Chapter ISA President, Mike Robinson added, “It is our intent to eventually grow the fund sufficiently to endow a permanent Chair for Arboriculture at the University of Florida.”

The Florida Chapter ISA is a membership organization of arborists throughout the state of Florida who are dedicated to the advancement of proper tree care and planting. For more information about the Florida Chapter or to show your support for trees by purchasing a Trees Are Cool license plate, go to www.treesarecool.com. ❖



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In the News, continued

[In the News continued from page 3](#)

Feathers Could Be Part of Biodegradable Pots

About 4 billion pounds of chicken feathers are generated by the poultry industry each year. Researchers at USDA Agriculture Research Service and the Horticultural Research Institute have been collaborating on a project to formulate growing containers using feathers. The containers, which contain no petroleum components, would degrade over a variable amount of time from 1 to 5 years.

Florida Forest Health Improvement Initiative Grants Available Soon

The Florida Forest Health Improvement Initiative was combined with the previously advertised Forest Ecosystem Enhancement Initiative. The goal of the initiative is to improve the overall health of community forests. Funding will be used to provide grants to local governments, non-profit groups, and educational institutions, as much as \$24,000 each with no matching requirement. Approximately 60% of the available funds will be awarded for tree planting projects on public lands.

The concepts of Right Tree/Right Place and Going Native will be emphasized. The remaining funds will be awarded for remedial pruning to improve the health of existing publicly owned trees, treatments such as soil aeration to improve tree stability and nutrient uptake, and a limited amount for removal of hazardous trees. Grant recipients will have to hire private vendors to provide trees and perform these treatments.

Total funding for this initiative equals \$1,570,000. An estimated 200 jobs will either be created or retained as a result of this funding.

The Request for Proposals is currently available online. The contact person for this initiative is Charles Marcus, who can be reached at 850/921-0300 or via marcusc@doacs.state.fl.us.

Information Sessions:

December 16, 2009 - St. Augustine

January 6, 2010 - Kissimmee

Week of January 18, 2010 -Palm Beach County

Week of January 18, 2010 -Miami-Dade County

Deadline:

The deadline to submit applications is Feb. 12, 2010

[Click here to view details online.](#) ❖

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TREE Fund Update



TREE Fund Mission and Goals

Tammy Kovar, TREE Fund Liaison



The TREE Fund provides research grants, scholarships and educational programs to advance knowledge in the field of arboriculture and urban forestry. With this knowledge, arborists and citizens will be better equipped to ensure that healthy, mature trees remain an integral part of the urban and suburban communities of our future. Ask Dr. Ed Gilman about the grants he has received over the years.

My job as TREE Fund liaison is to ensure the mission is communicated and activated in the Florida Chapter of the ISA. Through our participation and fundraising efforts we provide resource dollars for continued research protecting our urban forests throughout Florida and the world.

You may already be aware of the two signature events held annually at the national level.

The Tour des Trees is a five hundred mile bicycle ride teaming with arborists and tree enthusiasts from around the world. The ride finishes every year at the ISA annual tree climbing competition. Each rider raises a minimum of \$3500 to participate in the full tour; all of the proceeds go directly to the TREE Fund. The 2010 route took the bikers through seven states in New England before reaching the final destination of Providence RI. Each year riders can sign up for the full tour or a single day. Go to the website to learn the details. www.tourdestrees.org - If you don't ride a bike there are openings for volunteers.

The Gala Auction (which includes a silent auction and a live auction) is held in conjunction with the ISA annual conference. ISA Chapters as well as individuals donate items that have included jewelry, sports tickets, exotic tree wood and travel packages to exciting places. National chain gift cards are always a hit! We are in

need of exciting Florida-destination packages for 2010. Please submit your ideas and donations by March 15th. If you have plans to attend the 2010 ISA Conference in Chicago and would like to volunteer with the auction please contact Mary DiCarlo at marydicarlo@treefund.org

Mary DiCarlo, our National TREE Fund Development Coordinator will be in attendance at the February 12th Florida Chapter Board of Directors Meeting in Orlando. I encourage you to show up and hear all about the importance of our participation in supporting the TREE Fund.

If you have any questions, comments, local fund raising ideas or would like to volunteer some of your time, please contact me at tkovar@biologicaltreeservices.com. Your opportunity has arrived to get involved!

Thanks in advance. And, yes I will be riding again... I have a new bike seat! Get involved in 2010! ❖



*TREE Fund Liaisons visit Morton Arboretum (11/20/09)
Background: The Four Columns form the backdrop for the Morton Arboretum's Hedge Garden.*

L-R: Laura Wyatt (WI), Barb Duke (TF staff), Gary Watson (Head of Research, Morton Arboretum), Tammy Kovar (FL), Charles Owen (OH), Wendy Robinson (PNW), Mike Dougherty (MW), Kristin Wild (Trustee), Steve Geist (RM), Mary DiCarlo (TF staff), Trevor Hall (NY).

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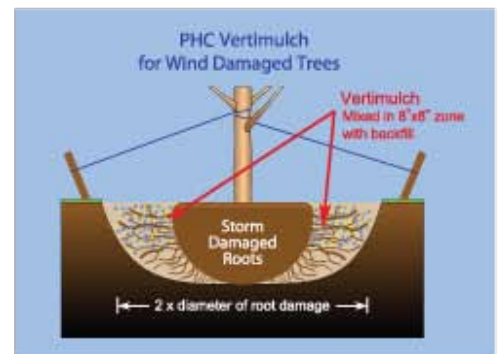
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Consultant's Corner

by Joe Samnik, Consulting Arborist

No Good Deed Goes Unpunished



One of the last bastions of goodwill and public involvement centers on the matter of tree preservation. To be certain, tree preservation is at the heart of tree ordinances, and land use codes. Few social causes are more supported than the preservation of trees. To be sure, many council people and county commissioners are elected due to their stance on

trees and their preservation, and many have lost their elected positions due to their lack of support of trees and their preservation. And the reasons and justifications of tree preservation are numerous and well document-but there lurks a downside-litigation due to negligence as it relates to the preservation of dangerous trees.

Tree preservation is a matter of emphasis. Not all trees can be saved and not all trees should be saved. While the absolute majority of tree preservation proponents are vocal and highly visible, they typically do not understand tree biology and the negative effects of signs and symptoms in assessing tree defects. Those of us who have the knowledge of interpreting the stressful signs and symptoms of trees in trouble are likely to be working in municipalities and enforcing tree code compliance. This is a great place to be, and a dangerous place to be. Most of our colleagues in municipal arboriculture answer to commissioners or city councils who were elected, in many cases, by members of the public who are passionate about tree preservation. Neither the well intended, passionate people nor the politicians understand tree biology; however, their desire to preserve trees supersedes in many instances the wisdom of doing so. In too many instances the job description of the municipal arborist may be the preservation of trees, at any cost and or for any reason, to justify keeping their jobs. While there is little doubt that the last line of defense in preserving our urban forest is the municipal arborist, many decisions are based on fear rather than fact.

***"Not all trees can be saved
and not all trees should be saved.
While the absolute majority of tree
preservation proponents are vocal and
highly visible, they typically do not understand
tree biology and the negative effects of signs
and symptoms in assessing tree defects."***

At the heart of all property damage, personal injury, and wrongful death is duty. The question always becomes, did the arborist enforcing the tree code have a duty to inspect the tree, and if so, did he have constructive knowledge of defects? On the other hand, did the arborist on the other side of the tree preservation matter have a duty to also inspect the tree for defects? The answer to both questions is, yes. There is always a higher duty to inspect when there are more people (and other targets) and fewer trees, then fewer people and more trees. The matter of constructive knowledge is that knowledge which an arborist knew or should have known regarding the failure in whole, or in part, of a tree-especially one in close proximity to construction or other related improvements.

The first component of negligence is duty. In the matter of tree preservation this would include the duty to inspect the tree for highly visible and patent signs or symptoms of defects. The second component is a breach of that duty. Either the tree was not inspected, or if it was, the signs and symptoms were missed - or worse yet, not reported. Third, there must be causation such as the failure of the tree in whole or in part. Finally, there must be damages. Damages can equate into trees falling onto targets of people or property.

The first responsibility that we have in tree preservation matters is the safety of people and property. Nothing else really matters. If targets of people or property are not safe due to a negligent tree assessment, great hardship and loss can and do occur. It becomes incumbent upon us to first look at a tree targeted for preservation in the before situation, and assess its after situation safety and liability issues. Only then can it be said that the tree was successfully preserved. ❖

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

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 Go online for more information: <http://www.flhsmv.gov/specialtytags/slpgift.html>
 Your recipient can proudly show the world that they think 'green' and the license plate revenues benefit our urban environment in Florida through tree research and education about tree care and preservation.

News From International

2011 ISA Conference Moves to Sydney, Australia

Jim Skiera, ISA Executive Director recently returned from a visit to Parramatta, Australia, the geographic centre of Sydney. Following a meeting with the Parramatta City Council and the ISA Australia Chapter leadership, it was decided to move the 2011 Annual Conference from Brisbane to Parramatta to better accommodate the needs of our international visitors and the ISA conference. Skiera met with and reviewed multiple venues with Robert Sutton, local arrangements chair for the 2011 conference; ISA Australia Chapter President Craig Hinton; ISA board members Craig Hallam (Australia) and Mark Roberts (New Zealand); and Certification Board member David Glenn (New Zealand).



Parramatta offers all the best of Australia for a reasonable price and is only a short drive, train, and or River Cat ride from the heart of Sydney Harbour, site of the famous Harbour Bridge and Sydney Opera House. Located between downtown Sydney and the Blue Mountains, Parramatta is conveniently located to accommodate day trips to both the heart of this international metropolitan area and the Australian bush. Visitors will also be given the opportunity to participate in several Aussie past times, Rugby League "Go Eels" and Horse Racing within minutes of the hotel. Westfield shopping centre, reportedly the largest in the southern hemisphere, is also only minutes from the host hotel.

ISA will send out additional information on Parramatta and Sydney to assist members planning to attend this unique southern hemisphere venue.

International Awards Nominations are Due

Send in your nominations of qualified candidates for ISA's International Awards now. If you know someone who would make a good nominee, please send his or her information to Randy Lidkea, awards committee chair.

Two new awards are offered this year. Please check the entry form for more information on those awards. The deadline for nominations is January 15, 2010. All nominations should be sent to Randy by mail (ISA, PO Box 3129, Champaign, IL 61826) or via e-mail to Jess Kebert at jkebert@isaarbor.com.

International Board Update

The ISA will be instituting a new approach to managing and administrating the tremendous task of a large organization. The former Board of Directors consisted of 45 International Representatives from all the different chapters making it a very difficult task to come to consensus. A restructuring of the board has begun.

The new Board will consist of fifteen voting Board of Directors including: eight Director positions filled by direct ISA membership elections; five Director positions filled by election of the Council of Component Representatives; and a President/Chair-Elect elected by the Board of Directors from the current board.

The Council of Component Representatives (CCR) will be developed, composed of one voting Council Representative from each ISA Chapter, each Professional Affiliate, and other Components designated by the Board of Directors and the ISA Certification Board. In addition, the CCR shall include non-voting, ex officio, Council Representatives elected or appointed by ISA Associate Organizations, the TREE Fund Board, and other groups designated by the CCR. The CCR shall meet, in person, at least one time per year. Stay tuned for more information on the new ISA governance.

[International continued on page 23](#)



International continued from page 22

ISA Certification is Keeping Busy...

Just How We Like it

The map to the right shows the geographic distribution of ISA trademark violation cases resolved by the ISA Certification department from November 1, 2008 to October 31, 2009. In all, 61 cases were closed in the United States, representing both instances of logo misuse by ISA credential holders as well as misrepresentation by non-ISA arborists. With our credential holders and members acting as our eyes and ears throughout the country, we have been able to successfully resolve many cases like these, and with their help, will continue to do so in the years to come. If you see a trademark misuse, please fill out a claim form on our website.

<http://www.isa-arbor.com/findarborist/resources/ClaimFormForWeb.pdf> ❖



This map represents the 61 closed misuse cases in the contiguous United States between November 1, 2008 and October 31, 2009.





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The following article is provided in English and Spanish

Spanish Speakers' Learning Preferences

Henry Mayer, Miami Dade IFAS Extension Agent and ISA Hispanic Committee and Francisco Escobedo, School of Forest Resources and Conservation, University of Florida, Gainesville.



How do Spanish-speakers prefer learning about arboriculture and urban forests?

As of July, 2007 the estimated U.S. Hispanic population was 45.5 million, or 15% of the total population (<http://quickfacts.census.gov/qfd/states/12000.html>). Hispanics are the United States' fastest growing minority group and have become Florida's largest minority group. The largest proportion of Florida's Hispanics resides in south Florida, as opposed to north Florida which is predominantly White and African-American. Approximately 90% of Hispanics were living in urban areas in 2000 and are among the U.S.' most urbanized ethnic/racial group.

Extension agents are often the primary intermediary or contact point between the community and education efforts. To better understand this in 2008 we conducted a survey of University of Florida County Cooperative extension agents' perceptions on the need for environmental education and outreach materials and programs for south Florida, with a substantial Hispanic population,

and north Florida with a smaller but growing population of Hispanics (http://www.fshs.org/Meetings/2009/FSHS_2009_Program.pdf).

Although this study focused on Extension agents and the environment, we found some interesting results that are relevant to tree care specialists, arborists, and local government employees that regularly use and develop educational and marketing materials for their clients and community. These results can offer insights on how to improve the delivery of their services to an increasing market.

Results from the survey show that aside from family and neighbors, extension and education events are identified as a frequent source of information used by Spanish-speaking audiences. However, the inability of Spanish speakers to speak and/or write fluently in English, especially in the Southern part of the State, is considered to be an obstacle that extension agents and educators face in trying to meet their needs (Table 1).

Learning continued on page 26

Table 1
Information sources on topics related to the environment used by Spanish-speakers.
Note EDIS is the University of Florida's electronic information system.

Sources of information by importance		Very Poor	Poor	Fairly Good	Good	Very Good	Don't Know
1st	Family/Neighbors/ Other Spanish-speaking people	3%	12%	15%	14%	19%	37%
2nd	Extension events (i.e. field days, workshops, conferences)	14%	36%	14%	4%	4%	28%
3rd	Radio or TV	3%	12%	15%	13%	8%	49%
4th	Extension publications from EDIS	13%	36%	17%	2%	4%	29%
5th	Government and non-government extension publications	7%	24%	12%	9%	2%	47%
6th	Commercial publications	11%	25%	11%	7%	0%	46%
7th	Internet (other than EDIS)	5%	18%	13%	7%	3%	54%

El siguiente artículo está escrito en Inglés y en Español.

Prefieren Los Hispanos Aprender

Henry Mayer, Miami-Dade IFAS Agente de Extensión;
ISA Comité Hispano

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

Revisión: Carlos Balerdi. Miami-Dade Extension Service.



Cómo prefieren los Hispanos aprender sobre temas de arboricultura y los bosques urbanos?

Para Julio de 2007 la población Hispana estimada en los EEUU era 45.5 millones, lo que representa un 15% de la población total (<http://quickfacts.census.gov/qfd/states/12000.html>). Los Hispanos son el grupo minoritario de crecimiento más rápido en los EEUU y son el grupo minoritario más grande en la Florida. La mayoría radica en el Sur de la Florida en comparación con el Norte el cual es predominantemente Blanco y Afro-Americano. Aproximadamente el 90% de los hispanos viven en zonas urbanas.

Los agentes de Extensión a menudo son los primeros proveedores de programas educacionales para esta comunidad. En el 2008 se encuestó a dichos agentes tomando en cuenta su percepción sobre la necesidad de desarrollar materiales en español para

educación ambiental a esa comunidad tanto en el Sur de la Florida donde mayoritariamente se encuentran, como en el Norte del estado, con una población menor pero con notable crecimiento (http://www.fshs.org/Meetings/2009/FSHS_2009_Program.pdf).

Aunque la encuesta se concentró en agentes de Extensión y temas sobre el medio ambiente, los arboristas y especialistas que trabajan con árboles se pueden beneficiar de los resultados para mejorar la forma de enseñar en sus programas educativos y proveer sus servicios a este mercado creciente.

Además de la familia y los vecinos, los programas de Extensión son frecuentemente utilizados por la comunidad hispana. La incapacidad de hablar y/o escribir inglés, en particular en la parte sur del estado, es considerada el principal obstáculo a ser considerado por las instituciones para cubrir sus necesidades (Cuadro 1).

[Aprender continued on page 27](#)

Cuadro 1

Fuentes de información utilizadas por los Hispanos sobre asuntos relacionados con el ambiente y los recursos naturales.

Fuentes para encontrar información por importancia		Muy deficiente	Deficiente	Moderada-mente bueno	Bueno	Muy bueno	No saben
1st	Familia/Vecinos/ Otros	3%	12%	15%	14%	19%	37%
2nd	Eventos de Extensión (i.e. días de campo, demostraciones, conferencias)	14%	36%	14%	4%	4%	28%
3rd	Radio o TV	3%	12%	15%	13%	8%	49%
4th	Publicaciones de Extensión de EDIS	13%	36%	17%	2%	4%	29%
5th	Publicaciones del Gobierno	7%	24%	12%	9%	2%	47%
6th	Publicaciones Comerciales	11%	25%	11%	7%	0%	46%
7th	Internet	5%	18%	13%	7%	3%	54%

Learning continued from page 24

Also, even though extension events are identified as a frequent source of information used by Spanish-speaking audiences, these events and publications from the IFAS/UF Electronic Distribution Information System (EDIS) (i.e. on-line documents) are observed to meet their needs for information in a poor way. Another interesting result was that survey respondents indicated that more Spanish language material (i.e. fact sheets, brochures, manuals) is required on topics relating to hurricanes and floods, environmental horticulture and arboriculture, and agricultural production (Table 2). Responses from both north and south Florida were similar.

Table 2
Importance of natural resource and environmental topics in Spanish to be included in extension materials according to respondents. Topics are listed in order of importance.

Natural resource and environmental topics		Slightly important	Fairly Important	Important	Very important
A	Catastrophic events management (i.e. hurricanes, floods)	25%	9%	26%	41%
B	Environmental horticulture and arboriculture	25%	12%	28%	34%
C	Agricultural production	34%	16%	25%	24%
D	Waste management (i.e. recycling)	31%	23%	24%	23%
E	Pollution (air, water, and soil)	38%	21%	19%	22%
F	Resource and energy use efficiency	37%	23%	23%	18%
G	Environmental sustainability	44%	18%	18%	20%

Recent U.S. Census data shows that the number of Spanish speakers is increasing, especially in south Florida. Our survey shows that extension agents feel that there is a need by this audience for more -and better- Spanish language materials on arboriculture and that our current extension activities are not meeting these needs. This might indicate an opportunity for arborists and tree care services to fill this need. More results and use of this survey will be posted in the next Florida Arborist issue. ❖

Looking for a 'Green' Holiday Gift?

The Tree Note Cards have been produced as a fundraising effort by the Florida Urban Forestry Council, a non-profit, educational and advocacy organization in co-operation with the Florida Division of Forestry. Note Card sets contain 12 cards with four each of three panoramic photographs donated by artist Steve Vaughn. Purchase and use of these unique and beautiful cards supports the Council's efforts and commitment to plant and save Florida's urban forests for future generations.



Live Oak • *Quercus virginiana*



Cabbage Palm • *Sabal palmetto*



Bald Cypress • *Taxodium distichum*

\$20 (plus \$2.95 shipping)

Purchase a set of note cards for all your tree-loving friends and family AND at the same time, you'll be supporting urban forestry in Florida!

Now printed on recycled paper!

Order on-line or download an order form at www.fufc.org



Aprender continued from page 25

Aunque los programas de Extensión se utilizan como una fuente de información, muchos de los documentos de Extensión (en particular los del Internet) usados por los Hispanos se consideran de poca calidad para cubrir sus necesidades. Otro resultado interesante fue que los documentos que deben ser traducidos son sobre temas relacionados con: huracanes, e inundaciones, arboricultura y horticultura, y agricultura (Cuadro 2). Las respuestas del Norte y Sur de la Florida fueron similares.

Cuadro 2
Importancia de temas sobre el medio ambiente en español a ser incluidos en los materiales de extensión de acuerdo a su orden de importancia

Tópicos sobre recursos naturales y ambientales		Poco importante	Moderadamente importante	Importante	Muy importante
A	Eventos catastróficos (i.e. huracán, inundaciones)	25%	9%	26%	41%
B	Arboricultura y horticultura	25%	12%	28%	34%
C	Agricultura	34%	16%	25%	24%
D	Manejo de desechos (i.e. reciclaje)	31%	23%	24%	23%
E	Contaminación (aire, agua, y suelo)	38%	21%	19%	22%
F	Energía	37%	23%	23%	18%
G	Manejo sostenible	44%	18%	18%	20%

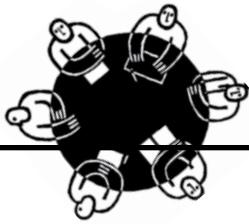
El Censo de los Estado Unidos indica que el número de hispano-parlantes sigue aumentando en particular en la parte sur del estado. Resultados indican que los Extensionistas piensan que se requiere de mas, y mejor, material en Español sobre arboricultura y que sus actividades no cumplen con esta necesidad. Esto puede indicar una oportunidad para arboristas y especialistas que trabajan con árboles para cumplir con esta necesidad. Más resultados de la encuesta se podrán encontrar en el próximo número de Florida Arborist. ❖

Florida Chapter ISA - 2010 Education Schedule

See what is in store for educational opportunities in 2010...

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

Date	Seminar/Class	Location (s)	Open for Registration
January 6, 2010	Advanced Pruning	West Palm Beach	<u>Click Here</u>
January 7, 2010	Advanced Pruning	Tampa Area (Plant City)	<u>Click Here</u>
January 22, 2010	Advanced Pruning	Tallahassee	<u>Click Here</u>
March, 2010	Plant Health Care	Ft. Lauderdale, Orlando, Sarasota	
April, 2010	Safety and Climbing	Tampa	
May, 2020	Roots Plus Growers	Arcadia	
June 13-15, 2010	Trees Florida	Key West	
July, 2010	Safety and Climbing	Ft. Lauderdale	
August, 2010	Pest Management	Jacksonville, West Palm Beach, Naples	
September, 2010	Tree Risk Assessment	Ft. Lauderdale, Tampa	
October, 2010	Safety and Climbing	Orlando	
October, 2010	Grades & Standards	Homestead, Clermont	
November, 2010	Coast Series	West Palm Beach, Orlando, Miami	



Florida Chapter Board Updates

2015 International Conference Bid

The Florida Chapter has submitted a bid to ISA International to host the International Conference in 2015 here in Florida. The Board selected the Gaylord Palms Hotel and Conference Center in Orlando as the suggested location. The Gaylord Palms facility offers an entire conference facility inside a climate controlled atrium with four-and-a-half acres of indoor gardens and three distinct Florida environments. Mead Gardens in Winter Park, just twenty minutes from the conference center, was selected as the site for the Tree Climbing Championship. The Florida Chapter feels that Central Florida would be an ideal location with its many local attractions and activities. ISA International will announce their selection this upcoming spring after reviewing all submissions made by five different chapters.



Gaylord Palms Hotel and Conference Center



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.

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, \$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.

Name: _____
Address: _____
City: _____ Zip Code: _____

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

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.

A Aphids 1 2 3 Xylect® Fall application provides control next season.	F Fireblight 1 Copper hydroxide Prune below infected tissue in winter. Spray in dormant season and at full bloom.
B Bronze Birch Borer 1 2 3 Xylect® and/or Bifenthrin Attacks weak, stressed trees. Mulch, irrigate, and promote health to prevent this pest.	G Gypsy Moth 1 3 Spinosad Acepthate Spray at early instar stage. Broad programs often use <i>Bacillus thuringiensis</i> .
C Chlorosis 3 VEE DURE® Macro-infuse in fall for multi-year green up. Combine with soil decompaction, fertilization.	H Hemlock Woolly Adelgid 1 2 3 Xylect® Apply soil applications >60 days prior to fall feeding. Re-treat when suppression falters.
D Dutch Elm Disease 3 Arbotect® 20-5 Macro-infuse to protect for 2 to 3 seasons. Does not stop root graft infection.	I Injured Roots 2 Cambistat® Prevention Air Tools Air tools decompact soil. Blend in organic matter and mulch over the top.
E Emerald Ash Borer 1 2 3 Xylect® and/or Bifenthrin Annual preventive applications work best. Highly infested trees may be difficult to save.	J Japanese Beetle 1 2 3 Xylect® and/or Bifenthrin Adults feed midsummer; grubs feed on roots until October.

K K Deficiency 2 Fertilizer Essential element and macronutrient.	N Needlecast 1 Chlorothalonil Requires two applications; one at 1/2 candle extension and one at full extension.
L Lepidoptera 1 3 Spinosad Acepthate Foliar spray works best for early instar caterpillar stages.	O Oak Wilt 3 Alamo® Protect healthy oaks within root graft distance of infected trees. Save infected white and bur oaks.
M Mites 1 3 Aracimate® LUCID® Micro-infusion with M3 infuser, or foliar applications combined with horticultural oil.	P Pine Wilt Nematode 3 Pinetect® Treat preventively every other year prior to May 1.
Q Quercus Decline Cultural Practices Caused by a complex interaction of biotic and abiotic stresses.	R Rhizophora 1 Chlorothalonil Requires multiple years of treatment and cultural practices.
S Sycamore Anthracnose 3 Arbotect® 20-5 Macro-infusion suppresses symptoms for 3 seasons.	T Two-Lined Chestnut Borer 1 2 3 Xylect® and/or Bifenthrin Attacks weak, stressed trees. Mulch, irrigate, and promote health to prevent this pest.
U Urban Stress 2 Cambistat® ISA Arborist Everyone should call an arborist to care for their ailing urban trees.	V Verticillium Wilt No Known Cure Delay symptoms by proper pruning, watering, and fertilization. Rainbow is testing treatments.
W Weevils 1 2 3 Xylect® Fall application provides control next season.	X <i>Xylella fastidiosa</i> 3 BACASTAT® Annual application of Bacastat suppresses symptoms of bacterial leaf scorch.
Y Yellows No Known Cure Difficult to identify. Set low expectations with homeowner. midsummer.	Z Zimmerman Pine Moth 1 Bifenthrin Apply to trunk and main branches in spring and again midsummer.



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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 (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; hover on 'Trees4Florida' in the menu box to the left to make your choice of ad style.

3 WAYS TO SAVE

- > **CALL** 800-525-8873
- > **CLICK** sherrilltree.com
- > **DRIVE** to Vermeer Stores



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Discounts for a commitment of 4 consecutive issues:
 Full Page - \$200/issue
 Half Page - \$150/issue
 Quarter Page - \$100/issue
 Business Card - \$50/issue
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**Prices include one link from the ad to your website.
 Additional links are \$25/link per issue.**

call 941-342-0153
 or email floridaisa@comcast.net

Welcome!

New Florida Chapter Members

Here are the individuals that joined the Florida Chapter during the of the third quarter 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
Alexander	Acosta	MIAMI LAKES	FL	Gloria	Jones	FT LAUDERDALE	FL
Brian	Andrews	CAPE CORAL	FL	Christie	Leiva	CORAL GABLES	FL
Petronila	Blackburn	HOLLYWOOD	FL	Derik	Machin	TAMPA	FL
Aaron	Borgner	CRYSTAL RIVER	FL	Michael	McNeill	NAPLES	FL
Kelly	Byerley	MIAMI	FL	Jose	Morales	ORLANDO	FL
Terrence	Cartwright	NASSAU		Ramiro	Morales	PLANT CITY	FL
Rocco	Ceo	CORAL GABLES	FL	Todd	Reich	PEMBROKE PINES	FL
Bernard	Doyle	APOPKA	FL	Joseph	Shirah	WELLBORN	FL
Shane	Fieler	MIAMI	FL	Jeb	Teuton	PALATKA	FL
Rosny	Gonzalez	COCONUT GROVE	FL	Robert	Tews	JACKSONVILLE	FL
Sara	Hamilton	TAVERNIER	FL	Nelson	Timbang	HOMESTEAD	FL
Hilary	Hathaway	LAKE PLACID	FL	Elena	Viamontes	MIAMI	FL
Norys	Hayes	MIAMI	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.



Your Urban Forestry Professionals!

Central and South Florida

John Holzaepfel : (352) 238-0917

Eric Hoyer : (863) 670-0734

Mindy Moss : (863) 670-9860

North and Central Florida

David Fox : (352) 316-4632

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NRPS Foresters.com

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Contains humic acid extracts, *Trichoderma* pathogen fighting fungi, soluble sea kelp, yucca plant extracts, amino acids and natural sugars to "energize" the microbial activity in the ground and promote cell division and lateral bud development as well as delay the aging process of plant tissue. Our unique formulation of ingredients affect the permeability of cell wall membranes in roots, improve plant respiration, photosynthesis, promote cell division and lateral bud development as well as delay the aging process.



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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 15 Florida individuals for earning their Arborist Certification or Utility Arborist Certification during the third quarter of 2009:

Certified Arborist

Aaron Baglien, Cocoa, FL
 Benjamin Baker, Orlando, FL
 John Butts, Sarasota, FL
 Chris Daily, Tampa, FL
 Alexander Hawkins, Jacksonville, FL
 Norys Hayes, Homestead, FL
 Michael Green, St. Petersburg, FL
 David Langolis, Lehigh Acres, FL
 C. Meryman, Riverview, FL
 Apollo O'Neil, Clearwater, FL
 Lee Romanello, St. Petersburg, FL
 Clayton Turner, Jacksonville, FL
 Jason Zysk, Tampa, FL

Utility Specialist

April Hurst, Sumterville, FL

Municipal Specialist

Alan Willis, Sanford, FL



Are you thinking about becoming certified?

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

to access the certification application handbook with further information.



Up-coming

2010 Board Meeting

Dates & Locations

February 12, 2010 - Orlando
 April 9, 2010 - Orlando
 July 16, 2010 - Orlando
 September 10, 2010 - Orlando
 November 5, 2010 - 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

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