



Commercial Clippings

FOR THE NORTHEAST FLORIDA GREEN INDUSTRY
Serving Clay, Duval, and Nassau County

December 2013/January 2014

Issue 29, Page 1

UF | IFAS Extension
UNIVERSITY of FLORIDA

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Chewed Up?

By Amy Morie, Clay County Horticulture Agent

Was last month's feature creature a mystery to you? If so, then it's time you were introduced to the Twig Girdler. These large (1/2" – 1") long-horned beetles are grey-brown in color with antennae as long as their bodies. During fall reproduction,



female twig girdlers may be spotted chewing their way around small (3/8" or less) twigs. Once she has nearly chewed the twig through, she lays eggs in the twig end. She will typically chew dozens of shoots; that usually fall off the tree. Hatching larvae remain inside to consume dead wood before pupating. Adult beetles chew their way out of the twig and emerge to fly to a new host tree. Adults of both sexes feed on the outer bark.

Twig girdlers primarily attack hickory and pecan trees, and occasionally use elm, persimmon, and dogwood. While the damage may look extensive, typically they do not harm the trees they use for feeding and reproduction. Prevention is usually only required in years with unusually high populations, or for young trees that might become stunted from girdler damage. Good sanitation should be all that's required – dispose of or burn the fallen twigs to reduce the numbers of beetles next year.



Image: Lacy L. Hyche, Auburn University

References

"Insect Borers of Trees and Shrub"

<http://edis.ifas.ufl.edu/mg007>

"Seasonal Concerns From Gardeners: January 6th 2008"

<http://clay.ifas.ufl.edu/documents/January62008-ClayCountyLeader-TwigGirdler-PDF.pdf>



All classes require pre-registration and will be held at the Duval County Extension Office, 1010 N McDuff Ave, Jacksonville, FL 32254 unless otherwise stated. To register visit us at <http://duval.ifas.ufl.edu> and click Commercial Horticulture/Calendar or call Becky Davidson at 904-255-7450. You can now pay online with a credit card.

Dec 12, 2013
Thursday
(Duval)

**Limited Commercial Landscape
Maintenance Workshop**

8:15 am - 3:00 pm - Full Day; 8:15 am – 12:00 pm - Half Day
\$30.00 for either full or half day

January 27, 2014
Monday
(Duval)

6 CEUs Total: 3 CORE & 3 LCLM, 3 LL&O, or 3 L&O
Lunch included, textbooks not included
Optional LCLM or LL&O Exam at 3:00 pm
You must have all required paperwork to take the exam.

To register, download the brochure, or for more information about the exam or books, please visit: <http://duval.ifas.ufl.edu/LCLM2012.shtml>.

This class is designed for people who do not have their license yet. If you are re-certifying your LCLM or LL&O you should consider attending a different class that offers those CEUs. There are many to choose from throughout the year.

Dec 17, 2013
Tuesday
(Duval)

**Best Management Practices for the Protection of Water Resources
by the Green Industries (GI-BMPs)**

8:30 am – 3:30 pm
\$25.00

January 17, 2014
Friday
(Lake City)

4 CEUs: 2 CORE & 2 L&O, 2 LCLM, 2 LL&O, 2 O&T or 2 Pvt, 4 LA CEUs, Technician Training
Hours also available.

To register, download the brochure, or for more information about the workshop, please visit: <http://duval.ifas.ufl.edu/GI-BMPs.shtml>.

February 25, 2014
Tuesday
(Duval)

This is the pre-requisite class for the Urban Fertilizer License. Everyone who works with fertilizers for-hire is required to have this license by Jan 1, 2014, even if you are licensed in another category including pest control operators. You will complete your GI-BMP test the day of the class, if you pass, you can then apply to get your Limited Urban Fertilizer License through the State of Florida.

**January 9, 2014 and
January 10, 2014**
Thursday and Friday
(Duval)

2-Day Professional Landscape Training

8:30 am - 4:30 pm
\$120.00 with manual; \$45.00 if you already have the 2007 Florida Nursery, Growers, and Landscape, Association's Certified Horticulture Professional manual.

Lunch and snacks provided.

Topics are hands-on and include:

- Plant Biology - Plant classification, botany, nomenclature
- Plant Growth - Soils, pH, choosing fertilizers, fertilizing ornamentals, palms, and turf, nutrient deficiencies, calibration
- Plant Problems - Turf and ornamental insects, diseases, weeds, and control methods
- Using Plants - Basic design, turfgrass selection, Florida-Friendly Principles

All classes require pre-registration and will be held at the Duval County Extension Office, 1010 N McDuff Ave, Jacksonville, FL 32254 unless otherwise stated. To register visit us at <http://duval.ifas.ufl.edu> and click Commercial Horticulture/Calendar or call Becky Davidson at 904-255-7450. You can now pay online with a credit card.

**January 13, 2014
Monday
(Duval)**

Bed Bugs: Protection for Volunteers and Workers

10:00 am - 12:00 pm
\$5.00

This program will focus on providing information to those who volunteer or work in healthcare, social services, or community programs that might come into contact with bed bugs. We will discuss how to identify bed bugs and how to best protect yourself.

**January 28, 2014
and January 29,
2014
Tuesday and
Wednesday
(Duval)**

Florida Water Star Certification Workshop and Exam

8:30 am - 5:00 pm January 28, 2014 - FREE, sponsored by JEA
8:30 am - 12:00 pm January 29, 2014 - Exam \$50.00

This program is for landscapers, designers, and irrigation contractors. Learn how to design and install water efficient landscapes. Take your exam (\$50) on Wednesday to become certified. Call Merry Mott at (800) 375-3642 or email her at mmott@fn gla.org to register.

**January 31, 2014
Friday
(Duval)**

Branching Out Professional Landscape Series: Palms

8:30 am - 9:30 am
FREE

1 ISA, 1 FNGLA, 1 L&O, 1 LCLM, 1 LL&O, 1 O&T, 1 PVT, 1 ROW, 1 Natl Areas

**February 6, 2014
Thursday
(Waycross, GA)**

Southeast Area Landscape Training (SALT)

Okefenokee Technical College, Waycross, GA
GA and FL pesticide CEUs
Save the date!

**February 13, 2014
and February 14,
2014
Thursday and
Friday
(Duval Fairgrounds)**

Jacksonville Landscape Show

More information at <http://nefn gla.org/>. Located at the Jacksonville Fairgrounds.

Seminar topics will include ornamental galls, getting the most out of your products, landscape CSI, herbicides, and grades and standards.

CEUs will include ISA, FL and GA pesticide, FNGLA, and GCSAA

**February 19, 2014
Wednesday
(Duval)**

Florida Turfgrass Association Regional Seminar

More information at <http://www.ftga.org/>

GCSAA and FL Pesticide CEUs available

DIVISION OF AGRICULTURAL
ENVIRONMENTAL SERVICES
BUREAU OF ENTOMOLOGY AND PEST CONTROL
(850) 617-7997
(850) 617-7967 FAX




THE CONNER BUILDING, SUITE N
3125 CONNER BOULEVARD
TALLAHASSEE, FLORIDA 32399-1650

FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES
COMMISSIONER ADAM H. PUTNAM

MEMORANDUM 897

Date: April 9, 2013

To: All Commercial Pest Control Licensees, Limited Commercial Landscape Maintenance personnel and other interested parties

From: Michael J. Page, Chief 
Bureau of Entomology and Pest Control

Subject: Limited Certification for Urban Landscape Commercial Fertilizer Applicator Reminder

This is a courtesy notice to the regulated industry to remind them that the January 1, 2014, deadline for obtaining the "Limited Certificate for Urban Landscape Commercial Fertilizer Applicators" for ALL individuals/employees making a commercial fertilizer application to urban landscapes is rapidly approaching.

Each person, making ANY TYPE OF fertilizer application for hire, must possess this limited certificate and carry it on their person.

To obtain the limited certificate, EACH applicant must submit to the department a completed form, "Application for Limited Certification for Urban Landscape Commercial Fertilizer, DACS 13677 (Rev. 08/09)", with the application fee of \$25.00, and submit a copy of their certificate showing that they completed the Green Industries Best Management Practices (GIBMP) training. This link: <http://www.freshfromflorida.com/onestop/forms/13677.pdf> will download a copy of the form for you.

GIBMP Training can now be obtained in three ways:

- In person - at most county extension offices;
- On-Line – which covers the same topics as the classroom training, but you can complete the training on your computer, at your own pace; or
- Using DVD Training - DVD training can be used by individual students, or as a tool for facilitated group training.

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This link (<https://gibmp.ifas.ufl.edu/>) provides information from the University of Florida IFAS Extension on how to register for training programs, train on-line or ordering the DVD to obtain the necessary training.

The limited certificate for an urban landscape commercial fertilizer applicator is valid for a four year period from the date of issuance. Prior to renewal, a limited commercial fertilizer applicator will need to complete 4 classroom hours of acceptable continuing education, of which, at least 2 hours address fertilizer best-management practices. There are several programs already approved for this purpose and the Department expects more programs to be approved for this training as the deadline draws nearer.

We strongly encourage everyone to obtain the necessary training and submit their application to the Department to be in compliance with this law.

It is a violation of Chapter 482.1562, Florida Statutes, for a person to make a commercial fertilizer application to an urban landscape unless they are properly certified. Violations could result in administrative action with penalties up to \$5,000 per violation.

MJP/jp

Still Need to Get your Fertilizer License?

By Erin Harlow

You can use the form on page 6 to order a free DVD of the training or you can take an online class or come to an in-person class. Information on online classes, the DVD, and in-person classes can be found at <http://gibmp.ifas.ufl.edu>. Once you have your GI-BMP certificate then you need to apply for the fertilizer license using the application on page 7. Don't forget to make a copy of your GI-BMP certificate and mail the copy with your application.

Remember, this license is needed for anyone doing fertilizer work in an urban setting if you are for-hire. It doesn't matter if you are fertilizing trees, landscapes, or turf or if you are using liquid or granular fertilizer.

If you already have been through the class, but lost your certificate then fill out a request for a new one at http://fyn.ifas.ufl.edu/professionals/BMP_replace_certificate_form.htm

If you need to update your information with the state GI-BMP office please fill out the form at http://fyn.ifas.ufl.edu/professionals/BMP_contact_update_form.htm .



Florida Green Industries Best Management Practices Program

GI-BMP Training - DVD Order Form

Please complete the information below to receive the free GI-BMP Training DVD. With each DVD ordered, we will send one copy of Florida-Friendly Best Management Practices for Protection of Water Resources by the Green Industries (the GI-BMP manual). The manual is also available online (https://gibmp.ifas.ufl.edu), from your local Extension office, or upon request.

Form with fields: Full Name, Company, Complete Mailing Address - Street Address, City, State, Zip Code, Email, Phone

of DVDs requested: _____

How will the GI-BMP training DVD(s) be used? (check all that apply)

- Individual training for myself
Individual training employee(s)
Facilitated group training
Other: _____

Which of the following best describes the company you work for:

- Pest Control Operation, Irrigation Company, Golf /Sports Turf, Lawn Care Company, Landscape Design, Sod Farm, Mowing Service, Municipality, Other

Mail or email completed form to:

University of Florida, IFAS
GI-BMP State Office

111 Mehrhof Hall, PO Box 110675
Gainesville, FL 32611-0675

Questions? 352-273-4517
or gi.bmp@ifas.ufl.edu



ADAM H. PUTNAM
COMMISSIONER

Florida Department of Agriculture and Consumer Services
Division of Agricultural Environmental Services

**APPLICATION FOR LIMITED CERTIFICATION
FOR URBAN LANDSCAPE COMMERCIAL
FERTILIZER**

Section 482.1562, F.S., and Rule 5E-14.117, F.A.C.
Telephone: (850) 617-7997

Return the completed form and
Remit Fee by Check or Money
Order Payable to FDACS:
Bureau of Entomology
and Pest Control
P. O. Box 6710
Tallahassee, FL 32314-6710

IMPORTANT – DIRECTIONS:

- (1) Applicants must be 18 years of age or older to apply.
- (2) Attach a current, clearly recognizable, full-face, head and shoulders photograph measuring approximately 1 1/2 x 1 1/2 inches in size even if already on file.
- (3) Enclose a check or money order made payable to DACS in the amount of \$25.00. Please remit separate checks for each application. **DO NOT SEND CASH.**
- (4) You must enclose a certificate of completion of training issued by the University of Florida (IFAS) and/or Department of Environmental Protection (DEP) with this application. An applicant must submit their date of birth and a 4 digit Personal Identification Number (PIN) of their choice. This combination creates a unique identifier for each person. **THE APPLICANT IS RESPONSIBLE FOR REMEMBERING THEIR PIN.**

Issuance fee for a Limited Certificate
for Commercial Fertilizer Application - 002258: \$ 25.00 each

Total Fees Enclosed: \$ _____

**ATTACH RECENT
1 1/2 X 1 1/2 INCH
CLEAR, FULL- FACE
PHOTO HERE
EVEN IF
PREVIOUSLY
SUBMITTED.**

ALL INFORMATION MUST BE LEGIBLE AND COMPLETELY FILLED IN. PLEASE PRINT.

1. Full Legal Name of Applicant: _____
(Last) (First) (Middle)

2. Mailing Address: _____
(Complete Street or Post Office Box Number)

(City) (State) (Zip Code)

3. Email Address: _____

4. Telephone Number: _____
(Area Code) (Phone Number)

5. Applicant's Date of Birth: _____ 4 Digit PIN: _____
(Month) (Day) (Year) (Personal Identification Number)

6. Employed By: _____
(Name of Company)

7. Employer's Address: _____
(Complete Street Address) (City) (State) (Zip Code)

8. Employer's Telephone Number: _____
(Area Code) (Phone Number)

I hereby make application for the issuance of a Limited Certification for Urban Landscape Commercial Fertilizer.

Applicant Signature: _____

Date: _____

Org. Code: 42 13 06 04 001
EO B7
Object Code: 002258 \$ 25.00

Tree Planting Done Right!!!!

By Larry Figart

Since January 17th is Florida's Arbor Day, I figured I would write about the correct way to plant trees. If you have not already heard, recommendations have changed. I can remember the rule of thumb when planting a tree was that you should first slice the roots in containerized trees in four places so the roots grow out into the soil. Also when you plant it you should plant it so that the level of the soil in the pot should be level with the natural soil surface. Well,



A shaved and unshaved root ball.
Photo by: Ed Gillman UF/IFAS

the times are changing. A tree that has circling roots and is planted too deep has problems right from the start.

Lets first start out with circling roots. It is commonly known that trees grown in containers will have roots that grow out and are deflected by the container wall. These roots form a mat of thick roots along the outside of the root ball. The old treatment was to "slice" the root ball in 3-4 places. Recent research has shown that this practice **does not** increase root growth after planting. However, further research has shown that "shaving" the outside inch of the root ball prior to planting increases the number of roots growing out into the native soil, as well as, almost completely removing root defects due to circling

roots. For more information on root ball shaving go to: <http://hort.ifas.ufl.edu/woody/remove-side.shtml>

A tree's root system needs oxygen in order to grow and respire. The deeper in the soil you go, soil oxygen levels are reduced. In many of our soils, the water table is high, saturating the soil and reducing oxygen levels further. When we plant trees deeper than they need to be, the root systems lack the oxygen levels that they need to thrive. Also, with trees planted too deep, the trunks are covered with soil, promoting decay situations.

It has been found that even when using the old rule of thumb, many trees are still planted too deep. In some cases, the root system in the container or in the field



A tree planted with the topmost root above the soil level.
Photo by: Ed Gillman UF/IFAS

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Tree Planting continued from page 8

grown root ball had had additional soil placed on top of the natural grade during routine nursery operation.

The latest recommendations from the University of Florida suggest that before planting the tree the purchaser should remove the soil so that the point where the top-most root emerges from the trunk (the root flare) is within the top two inches of the root ball, it is even preferable that this root flare be visible. This way circling roots can be corrected prior to planting. The tree should then be placed so that the root flare is slightly above the natural soil level. No soil should be placed on top of the root ball when backfilling the hole.

The soil removed when digging the hole is the best soil to put back in the hole when backfilling. No amendments like fertilizer or manure should be added to the hole. The rest is easy. Water the tree often (the topic for the next edition) , apply a 2-3 inch layer of mulch (not on top of the root ball until the tree is established), and stake it if necessary. By slicing the root ball and planting the tree at the correct depth in the soil, we are giving it the best chance for survival. For more information go to: <http://hort.ifas.ufl.edu/woody/documents/EP314.pdf>

New Small Tree Demonstration Area at the Extension Office

By Larry Figart and Erin Harlow

We are pleased to announce the second phase of landscape improvements at the Extension Office. With the help of Duval County Master Gardeners, we are initiating a tree planting project demonstrating several trees that can be planted safely under power lines. The trees will be planted at the Duval County Extension Office along the parking lot bordering McDuff Avenue. The trees, donated by the Jacksonville Electric Authority, were chosen from a list of trees evaluated by Dr. Ed Gilman at the University of Florida. The planting the following list of trees will be completed by mid-November. Make sure you stop by and check out the new demonstration area.

- *Acer buergerianum* 'Streetwise' (Trident Maple)
- *Callistemons citrinus* (Red Bottlebrush)
- *Cercis canadensis* 'Forest Pansy' Redbud)
- *Chionanthus virginicus* (Fringetree)
- *Halesia diptera* (Two-winged Silverbell)
- *Ostrya virginiana* (American Hophornbeam)
- *Vitex agnus-castus* 'Shoals Creek' (Chastetree)
- *Lagerstroemia indica* (Crapemyrtle)
- *Carpinus caroliniana* (Blue Beech)
- *Cupressus arizonica* 'Sapphire' (Arizona cypress)



For more info: http://hort.ifas.ufl.edu/treesandpowerlines/northeast_florida.shtml

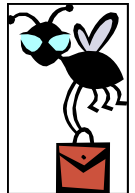
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Fax: (904) 387-8902
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For individuals requiring special accommodations, please contact our office (904/255-7450) within a minimum of 5 working days of the program. For persons with hearing or speech impairments, when contacting our office, please use the Florida Relay Service at 1-800-955-8771 (TDD). Your comments and input are necessary for this to be a useful tool for all of us.

Extension Programs are open to all regardless of race, creed, color, sex, sexual orientation, marital status, age, disability, religion, national origin, political opinions or affiliations.