

Pesticide Licensing Guide and Continuing Education Unit (CEU) Schedule 2009

New classes added!



University of Florida IFAS Brevard County Extension



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Who needs a pesticide license?

If you spray restricted use or general use pesticides (Roundup™ is a pesticide!) to the inside or to any part of a building or structure (excluding your residence), you need a pesticide license. You need a pesticide license if you spray pesticides to ornamentals or turf associated with a building (including plant beds and lawns).

If you apply *restricted use* pesticides in agricultural areas not associated with buildings or structures, you need a license. Any person applying pesticides for public health control (i.e., mosquito control) needs a license. If you spray pesticides on a golf course, park or cemetery, you need a pesticide license!

How can I get a pesticide license?

Training for many of the agricultural and horticultural pesticide licenses is offered by the Brevard County UF-IFAS Extension Service at the Cocoa office and the Palm Bay office. Exam review sessions are offered for General Standards/Core, Aquatic Plant Pest Control, Natural Area Weed Management, Ornamental & Turf, Right of Way and Limited Lawn & Ornamental.

A four-hour General Standards/Core training is offered several times per year. It is recommended that anyone with little or no application experience attend this class to learn the basics of pesticide application and pesticide safety. This class may be required for recertification or renewal for certain pesticide licenses.



Pesticide exams may be taken any time by appointment. Call the Cocoa Extension office at (321) 633-1702 or the Palm Bay Extension office at (321) 952-4536 to schedule exams.

Which license or certification do I need?

Agriculture and Agriculture-related areas

All individuals who apply restricted use pesticides in agricultural areas, outdoor areas not associated with buildings or structures or public health pest control must have a pesticide applicator license issued by the Bureau of Compliance Monitoring of the Florida Department of Agriculture and Consumer Services (FDACS) under Florida Statute 487. **Call (850) 488-3314 for more information about these licenses.** Private Agriculture Applicator, Public Applicator and Commercial Applicator are examples of pesticide licenses that fall under this statute.

To obtain a license, individuals must pass both the General Standards/Core exam and at least one category exam. Exams may be taken after any review session or by appointment. There are no fees to take these exams and individuals may take an exam as many times as necessary to pass.



Private Agriculture Applicator

Any individual who uses or supervises the use of restricted use pesticides for the purpose of producing an agricultural commodity on land that is owned or rented by the individual or his/her employee must be certified as a Private Agriculture Applicator. Examples are owners and employees of farms, ranches, groves, nurseries, gardens, and other establishments that produce agricultural commodities.

Public Applicator

A public applicator is a licensed applicator employed by a federal, state, county, city, or other local agency or government entity who uses restricted use pesticides on the job.

Commercial Applicator

Individuals who apply or supervise the application of restricted use pesticides for compensation on the property of others must be certified as a commercial applicator. Individuals can become certified as either public or commercial applicators in one or more of the following categories:

- **Aerial** – for applicators applying pesticides via aircraft.
- **Agricultural Row Crops** – applying pesticides in an agricultural setting to vegetable, fruit or field crops.
- **Agricultural Tree Crops** – for applying pesticides in farm situations to tree crops.
- **Agricultural Animal** – applying pesticides to agricultural animals.
- **Aquatic Plant Pest Control** – applying pesticides in and around water (ponds, lakes, canals, rivers).
- **Forest Pest Control** – applying pesticides for forest pest control.
- **Natural Areas Weed Management** – applying pesticides to mitigation or other natural areas.
- **Organotin Anti-Fouling Paint** – applying organotin anti-fouling paints to boats.
- **Ornamental and Turf** – applying pesticides to cemeteries, parks and golf courses.
- **Raw Agricultural Commodity Fumigation** – using fumigants on post-harvest raw agricultural commodities.
- **Right of Way** – applying pesticides to control weeds and woody plants along highways, roadways, utilities or other rights of way.
- **Seed Treatment** – applying pesticides to seeds for resale.
- **Soil and Greenhouse Fumigation** – applying fumigant pesticides in an agricultural or greenhouse setting.
- **Wood Treatment** – applying restricted use pesticides for wood or wood product preservation.



Secondary licenses are issued for Demonstration and Research, which is for applicators who apply pesticides as part of their research. Individuals must pass the General Standards/Core exam, a category exam and the secondary category exam.

An applicator may make applications of restricted use pesticides only in the categories for which he has been licensed. For example, a golf course applicator must be licensed in the ornamental and turf category to apply restricted use pesticides to the golf course. If he applies a restricted use pesticide to a pond on the golf course, he must also be licensed in the aquatic category.



License Fees, Renewal and Recertification

Agriculture and agriculture-related pesticide licenses are valid for four years in Florida. Licenses may be renewed by earning the required number of approved CEUs **OR** by passing the General Standards/Core exam and the required category exam.

Visit the Brevard County UF-IFAS Extension website at <http://brevard.ifas.ufl.edu> for a complete list of educational programs available for CEUs, or call (321) 952-4536.

License Fees

Private Agriculture Applicator.....	\$100.00
Public Applicator.....	\$100.00
Commercial Applicator.....	\$250.00

Required CEUs for Renewal/Recertification

If you renew your license by earning CEUs, you must earn four (4) General Standards/Core CEUs in addition to the following category CEUs:

<u>Category</u>	<u>CEUs</u>
Aerial	16
Agricultural Row Crops	8
Agricultural Tree Crops	8
Agricultural Animal Crops	4
Aquatic Plant Pest Control	16
Demonstration and Research	4
Forest Pest Control	8
Natural Area Weed Management	16
Organotin Anti-Fouling Paint	4
Ornamental and Turf	12
Private Agriculture Applicator Agriculture	4
Raw Agricultural Commodity Fumigation	4
Right of Way	8
Seed Treatment	4
Soil and Greenhouse Fumigation	4
Wood Treatment	4

Structures, Public Health, Lawns or Landscape Areas

Any individual that applies pesticides inside or to any part of a building or structure or to ornamentals and lawns associated with a building must have a pesticide applicator certification issued by the Bureau of Entomology of FDACS under Florida Statute 482. **Call (850) 921-4177 for questions regarding certification.**



Pest Control Operators

A business that performs pest control on Florida lawns and ornamentals must be licensed. Exams for pest control pesticide licenses are not provided by the extension office. **For more information about obtaining a pest control operator license, contact the Bureau of Entomology at (850) 921-4177.**

Limited Lawn and Ornamental Certification

Government employees who apply pesticides to turf and ornamentals associated with a building, and owners or employees of businesses who apply pesticides to turf and ornamentals on their property must obtain this license. Each person who applies pesticides must be licensed. Individuals holding this license may not apply pesticides to cemeteries, parks or golf courses. There is a \$150 exam fee, which includes the cost of the license, if the exam is passed. Licenses are renewable every four (4) years by re-examination or by obtaining four (4) approved CEUs. There is a \$75 license renewal fee.



Limited Commercial Landscape Maintenance Certification

Commercial landscape maintenance personnel may be certified to apply herbicides for controlling weeds in plant beds and to perform integrated pest management on ornamental plants using the following materials: insecticides having the signal word "caution" on the label; insecticidal soaps; horticultural oils; and *Bacillus thuringiensis* (*Bt*) formulations. Individuals with this license may not apply pesticides to turf (lawns) and are limited to using portable 3-gallon compressed air or 5-gallon backpack sprayers. Each person who applies pesticides must be licensed. To obtain certification, individuals must:

- Download the application packet at <http://www.flaes.org/aes-ent/formsandpubl.html> or call (850) 921-4177;
- earn six (6) approved Limited Commercial Landscape Maintenance CEUs;
- bring completed application packet and a check written to FDACS for \$150 (exam fee) to class;
- pass the exam, and
- submit proof of insurance to the Bureau of Entomology (included with application packet).

Limited Commercial Landscape Maintenance Certification licenses must be renewed annually. Individuals may take the exam OR earn four (4) approved CEUs and pay the \$75 annual license fee.



Other CEU Opportunities

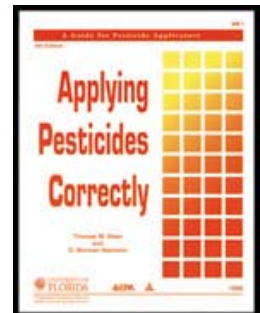
There are other opportunities for earning CEUs for license renewal. The UF-IFAS Brevard County Extension offers classes in pest management, best management practices, integrated pest management, pasture management, natural area management, aquatic and pond management, and much more. For information about specific classes, call (321) 633-1702 or visit our website at <http://brevard.ifas.ufl.edu>.

CEUs may also be earned online or via CD. For information about online courses or to order CDs, visit the UF-IFAS Pesticide Office website at <http://pested.ifas.ufl.edu>.

Classes approved for CEUs may also be available in other counties. Visit the Florida Department of Consumer Services website at <http://flaes.org/> for more information.

Exam Preparation

We highly recommend purchasing study guides and manuals since review sessions will not cover all of the exam material. A list of available study guides and manuals is available towards the end of this booklet.



Exam Guidelines

Pesticide exams may be taken any time by appointment. Call the Cocoa Extension office at (321) 633-1702 or the Palm Bay Extension office at (321) 952-4536 to schedule exams.

Pesticide exams will be given immediately after the class unless stated otherwise in the class schedule.

- Bring valid picture identification (driver's license, passport or I.D. card).
- Florida law requires that all exams be given in English.
- Individuals may not receive assistance while taking the exam.
- Books, notes, formula sheets, or other written materials are not permitted in the exam room.
- Calculators will be provided.
- Telephones, PDA's, pagers and all other electronic devices must be turned off during the exam.

2009 Pesticide Training Schedule

Registration is required for all pesticide training. Register online at <http://brevard.ifas.ufl.edu> or by calling (321) 633-1702.

Don't see a date that works for your group? We will schedule special classes for groups of five (5) or more. Call our office at 633-1702 to schedule.

General Standards (CORE) Pesticide License Review and Exam

Fee: \$25 (make checks payable to Brevard County Board of County Commissioners)

Instructor: Linda Seals

Date	Time	Location
1/16	8:30-12:30	Cocoa Extension Office
4/16	8:30-12:30	Palm Bay Extension Office
6/23	8:30-12:30	Cocoa Extension Office
8/25	8:30-12:30	Palm Bay Extension Office
10/2 7	8:30-12:30	Cocoa Extension Office
12/8	8:30-12:30	Palm Bay Extension Office

CEUs Available

CEUs	Category or License
4	General Standards (CORE)

General Standards (CORE) Pesticide License Review and Exam

Fee: \$15 (make checks payable to Brevard County Board of County Commissioners)

Instructor: Linda Seals

Date	Time	Location
2/18	8:30-11:00	Cocoa Extension Office
5/20	8:30-11:00	Palm Bay Extension Office
7/18	8:30-11:00	Cocoa Extension Office
9/29	8:30-11:00	Palm Bay Extension Office
11/9	8:30-11:00	Cocoa Extension Office

CEUs Available

CEUs	Category or License
3	General Standards (CORE)

***No CORE exams will be administered during or after this class.**

Ornamental and Turf Pesticide License Review and Exam

Fee: \$25 (make checks payable to Brevard County Board of County Commissioners)

Instructor: Linda Seals

Date	Time	Location
1/22	8:30-12:30	Cocoa Extension Office
4/23	8:30-12:30	Palm Bay Extension Office
6/25	8:30-12:30	Cocoa Extension Office
8/20	8:30-12:30	Palm Bay Extension Office
10/29	8:30-12:30	Cocoa Extension Office
12/17	8:30-12:30	Palm Bay Extension Office

CEUs Available

CEUs	Category or License
4	Ornamental & Turf
4	Lawn & Ornamental
4	Limited Lawn & Ornamental
4	Limited Commercial Landscape Maintenance
4	Private Agriculture Applicator

Limited Commercial Landscape Maintenance Certification and Exam

Fee: \$25 (make checks payable to Brevard County Board of County Commissioners)

Instructor: Linda Seals

Date	Time	Location
2/18	8:30-3:00	Cocoa Extension Office
5/20	8:30-3:00	Palm Bay Extension Office
7/18	8:30-3:00	Cocoa Extension Office
9/29	8:30-3:00	Palm Bay Extension Office
11/9	8:30-3:00	Cocoa Extension Office

CEUs	Category or License
6	New Limited Commercial Applicants
3	General Standards (CORE) (8:30-11:00)
3	Commercial Lawn & Ornamental
3	Limited Lawn & Ornamental
3	Limited Commercial Landscape Maintenance Certification (current license holders)
3	Private Agriculture Applicator
3	Ornamental & Turf

New and Emerging Landscape Pests and Their Control

Fee: \$10 (make checks payable to Brevard County Board of County Commissioners)

Instructor: Linda Seals

Date	Time	Location
1/8	6:00-8:00	Cocoa Extension Office
3/12	9:00-11:00	Cocoa Extension Office
11/3	6:00-8:00	Cocoa Extension Office

CEUs	Category or License
2	Private Agriculture Applicator
2	Lawn and Ornamental
2	Limited Commercial Landscape Maintenance Certification
2	Ornamental and Turf
2	Limited Lawn and Ornamental

***No exams will be administered during or after this class.**

Managing Palms in the Landscape

Fee: \$10 (make checks payable to Brevard County Board of County Commissioners)

Instructor: Linda Seals

Date	Time	Location
1/15	6:00-8:00	Cocoa Extension Office
10/22	9:00-11:00	Cocoa Extension Office

CEUs	Category or License
2	Private Agriculture Applicator
2	Lawn and Ornamental
2	Limited Commercial Landscape Maintenance Certification
2	Ornamental and Turf
2	Limited Lawn and Ornamental
2	Right of Way

***No exams will be administered during or after this class.**

Turfgrass Management for Landscape Professionals

Fee: \$10 (make checks payable to Brevard County Board of County Commissioners)

Instructor: Linda Seals

Date	Time	Location
2/26	6:00-8:00	Cocoa Extension Office
11/19	9:00-11:00	Cocoa Extension Office

CEUs	Category or License
2	Lawn and Ornamental
2	Ornamental and Turf
2	Private Agriculture Applicator
2	Limited Lawn and Ornamental

***No exams will be administered during or after this class.**

Best Management Practices Certification

The Green Industries Best Management Practices (BMPs) are designed to preserve and protect Florida's water resources from non-point-source pollution. The BMPs cover proper fertilization, pest control, irrigation, and cultural practices for landscape and pest control professionals. Knowledge of appropriate fertilizer rates, sources, and application methods can greatly reduce any potential non-point source pollution of Florida's ground and surface waters.

Although adoption of the BMPs is voluntary, training in the BMPs is recommended and class participants completing the all of the training and both the pre and post tests (*Note: **MUST** pass the post test*) will receive a certificate and be placed on a list of BMP certified individuals at the University of Florida.

Fee: \$50 (includes lunch) (make checks payable to Brevard Extension Service Palm Bay)

Instructor: Linda Seals

Date	Time	Location
4/11	8:30-4:30	Cocoa Extension Office
11/12	8:30-4:30	Cocoa Extension Office

CEU's will be available for the following licenses and categories: Core, Ornamental and Turf, Private Agriculture Applicator, Lawn and Ornamental, Limited Lawn and Ornamental, and Limited Commercial Landscape Maintenance Certification

Aquatic Pesticide License Review and Exam

Fee: \$25 (make checks payable to Brevard County Board of County Commissioners)

Instructor: Eddie Leonard

Date	Time	Location
1/14	8:30-12:30	Cocoa Extension Office
4/22	8:30-12:30	Palm Bay Extension Office
7/8	8:30-12:30	Cocoa Extension Office
10/13	8:30-12:30	Palm Bay Extension Office

CEUs	Category or License
4	Aquatic Pesticide
4	Private Agriculture Applicator

Common Aquatic Plants

Fee: \$10 (make checks payable to Brevard County Board of County Commissioners)

Instructor: Eddie Leonard

Date	Time	Location
2/11	10:00-12:00	Palm Bay Extension Office
9/9	1:00-3:00	Cocoa Extension Office

CEUs	Category or License
2	Aquatic Pesticide
2	Private Agriculture Applicator

Managing Small Ponds

Fee: \$10 (make checks payable to Brevard County Board of County Commissioners)

Instructor: Eddie Leonard

Date	Time	Location
5/27	10:00-12:00	Cocoa Extension Office
11/12	1:00-3:00	Palm Bay Extension Office

CEUs	Category or License
2	Aquatic Pesticide
2	Private Agriculture Applicator

Right-of-Way Pesticide License Review and Exam

Fee: \$25 (make checks payable to Brevard County Board of County Commissioners)

Instructor: Joe Walter

Date	Time	Location
1/29	8:30-12:00	Cocoa Extension Office
3/18	8:30-12:00	Cocoa Extension Office
5/12	8:30-12:00	Cocoa Extension Office
8/20	8:30-12:00	Cocoa Extension Office
10/15	8:30-12:00	Cocoa Extension Office

CEUs	Category or License
4	Right-of-Way
4	Private Agriculture Applicator

Natural Area Weed Management Pesticide License Review and Exam

Fee: \$25 (make checks payable to Brevard County Board of County Commissioners)

Instructor: Linda Seals

Date	Time	Location
1/27	8:30-12:30	Cocoa Extension Office
4/9	8:30-12:30	Cocoa Extension Office
6/11	8:30-12:30	Cocoa Extension Office

CEUs	Category or License
4	Natural Area Weed Management
4	Private Agriculture Applicator

Common Weeds in Brevard County Natural Areas

Fee: \$10 (make checks payable to Brevard County Board of County Commissioners)

Instructor: Linda Seals

Date	Time	Location
4/14	9:00-11:00	Kiwanis Island Park, Merritt Island
5/14	9:00-11:00	Enchanted Forest Sanctuary, Titusville
12/10	9:00-11:00	Turkey Creek Sanctuary, Palm Bay

CEUs	Category or License
2	Natural Area Weed Management

***No exams will be administered during or after this class.**

Directions

Cocoa Extension Office



Cocoa Extension Office
3695 Lake Drive
Cocoa, FL 32926
(321) 633-1702

Palm Bay Extension Office



Palm Bay Extension Office
1455 Treeland Blvd. SE
Palm Bay, FL 32909
(321) 952-4536

Pesticide Applicator Training Manuals

SM1	Applying Pesticides Correctly (GENERAL CORE MANUAL) (ALL EXAMS)		\$7.00
SM 38	Spray Equipment & Calibration (Useful for many categories)		\$2.00
Category Manuals			
SM 2	Agricultural Pest Control – Animals (Agriculture Animal Category)		\$1.00
SM 3	Aquatic Pest Control Training Manual (Aquatic Exam)		\$15.00
SM 5	Agriculture Row Crop (Ag Plant Exam)		\$10.00
SM 7	Ornamental and Turf Pest Control (Ornamental/turf, Lawn + Ornamental and Landscape Maintenance Exams)		\$20.00
SM 9	Right of Way Pest Control (Right-of-Way Exam)		\$15.00
SM 32	The Preservation of Wood (Wood Preservative Exam)		\$8.00
SM 41	Aerial Applicator Training Manual (Rev.'98) (Aerial Category Exam)		\$15.00
SM 42	Organotin Anti-Fouling Paint Manual (Organotin Anti-fouling Paint Exam)		\$5.00
SM 43	Pest and Pesticide Management on Southern Forests (Forestry Exam)		\$3.00
SM 53	Private Agriculture Applicator Agricultural Pest Control (Private Exam)		\$7.00
SM 61	Soil Fumigation (Soil & Greenhouse Fumigation Exam)		\$3.00
SM 63	Ag Tree Crop Pest Control (Ag. Tree Crop – Citrus)		\$15.00
SP 66	Raw Commodity (Raw Ag. Commodity)		\$5.00
SP 257	Identification & Biology of Non-Native Plants (Natural Area Weed Management)		\$16.00
SM 295	Natural Area Weed Management (Natural Area Weed Management)		\$12.00

Materials may be purchased at the **UF-IFAS Bookstore** by calling 800-226-1764, or order online at: <http://ifasbooks.ufl.edu>.

* Prices subject to change

Contact Information

Aquatic Plant Pest Control: Eddie Leonard, Marine Extension Agent at (321) 633-1702 or email eeldiver@ufl.edu.

Right Of Way: Joe Walter, Agriculture Extension Agent at (321) 633-1702, or email jwalter@ufl.edu.

For information about **all other pesticide training**, contact Linda Seals, Commercial Horticulture Extension Agent, (321) 952-4536, or email lseals@ufl.edu.

Florida Department of Agriculture and Consumer Services (FDACS): (850) 488-3314 or visit <http://flaes.org/>.

University of Florida IFAS Pesticide Information Office: <http://pested.ifas.ufl.edu/>.

Brevard County UF-IFAS Extension

Cocoa Extension Office

3695 Lake Drive
Cocoa, FL 32926
(321) 633-1702

Palm Bay Extension Office

1455 Treeland Blvd. SE
Palm Bay, FL 32909
(321) 952-4536



Equal Opportunity/Affirmative Action Institution

In accordance with the Americans with Disabilities Act and Section 286.26, F.S., persons needing accommodations or an interpreter to participate in the proceeding should notify the University of Florida Brevard County Extension Service no later than 48 hours prior to the meeting at 321-633-1702 or fax 321-633-1890.

Revision 2 LMS 2009