

**Florida Mosquito
Control Association's
2012 Dodd Short Courses
January 30 - February 3**



**Ocala Hilton
3600 SW 36th Avenue
Ocala, Florida
352.854.1400**

General Information

Please pay attention to new registration instructions!! This year we will accept only on-line registrations: <http://Dodd.FloridaMosquito.org>

REGISTRATION: Registration for courses can only be made on-line. <http://Dodd.FloridaMosquito.org> Checks, credit cards or purchase order numbers only, please. Telephone registrations will not be accepted. Unpaid reservations will not be held beyond January 15, 2012, **if** there is a waiting list for the course. Please fill out separate on-line registration form for each student. Address questions regarding registration to Shelly Redovan, FMCA Executive Director, phone: 1-855-OUR-FMCA email: executivedirector@floridamosquito.org

DEADLINE FOR REGISTRATIONS: Courses will be filled on a first-come, first-served basis. **Note that some courses have limits on the number of students from a single agency** (see individual course listings). Course limits will be strictly adhered to. You **WILL** receive a registration confirmation. **Early registration deadline: January 10, 2012. Late registration fees apply on or after January 11, 2012.**

TUITION PAYMENT: Please make checks and POs payable to FLORIDA MOSQUITO CONTROL ASSOCIATION and send to FMCA Dodd Short Courses, PO Box 61598, Ft. Myers, FL, 33906. No refunds will be made after **January 22, 2012**. You may send in one check or PO to cover more than one person as long as the names of the persons covered by the payment are identified on the check or PO.

HOTEL RESERVATIONS AND PAYMENT: Courses will be held at the Ocala Hilton, 3600 SW 36th Avenue, Ocala, FL, 34474, phone: 352.854.1400. The Ocala Hilton is located on I-75 at exit #350. The FMCA has reserved a block of rooms at **\$116 per night/S or D** **if** reservations are made **before December 31, 2011**. You must bring or fax your agency's tax-exempt number (having the number written down will not be accepted).

Glennon David Dodd, 1948-1991

Glenn Dodd was, for 10 of the 15 years that he was in mosquito control, the Assistant Director of Indian River Mosquito Control District, in Vero Beach, Florida. To those who knew him well, and for those who did not



know him, he was much more than an assistant director. He was the spiritual leader for mosquito control in the mosquito control profession. He was the first to recognize that mosquito control had to get into the employee training business. Glenn was the force that got it started. He called upon his substantial intellect, his colleagues, especially Jim Robinson of Pasco County Mosquito Control District and Bill Opp, then with HRS/DACS and now retired from Lee County Mosquito Control District, his other friends, and his future friends to organize and present several “courses”

in Vero Beach during the fall of 1984.

The six courses taught that year were more appropriately called group discussions and they were about a variety of topics of interest to mosquito control such as surveillance, larvicides, adulticides, application equipment and computers. The participants were principally the directors and biologists of Florida programs who sat around in a semicircle in various locations and “talked about things.”

What started as a simple idea has blossomed into one of the largest and, arguably, the best sets of training courses for mosquito control in the world today. This year over 25 courses are offered, from a half-day to several days in length. Each year, those of us on the Dodd Short Course Committee ask ourselves if Glenn would be pleased with what we are doing in his name.

We think Glenn would be proud of this year’s offerings.

Naming the courses for Glenn, after his sudden and tragic death in 1991, was not simply a gesture of thanks and recognition of Glenn's contributions. His name became a constant reminder to us of the high ideals that Glenn personified. We hope you find that the 2012 Dodd Short Courses described in this brochure meet your training needs and expectations.

The Dodd Short Course Committee always is looking for ideas for new courses and for enthusiastic and hard-working course coordinators and instructors to participate. If you have an idea or want to become more involved in the Dodd Short Courses, please contact any of the following Committee members:

Dr. Roxanne Connelly, Chair - crr@ufl.edu

Sue Bartlett, Co-Chair - skbartle@co.pinellas.fl.us

Flo Jones, Co-Chair - flojo2448@yahoo.com

Janice Broda - janice.broda@irmosquito2.org

Dr. Jim Cilek - cilek_j@popmail.firn.edu

Dr. Gary Clark - gary.clark@ars.usda.gov

Dr. Jonathan Day - jfda@ufl.edu

Kim Feagley - kfeaglev@pascomosquito.org

Steve Harrison - steven.harrison@freshfromflorida.com

Morel Jules - morel.jules@irmosquito2.org

Chris Lesser - christopher.lessner@manateemosquito.com

Cindy Mulla - cindymulla@comcast.net

Ed Northey - enorthey@co.volusia.fl.us

Dr. Jack Petersen - drjack3@hotmail.com

Shelly Redovan - redovan@lcmcd.org

Gregg Ross - gkross@ufl.edu

Stephen Sickerman - Sickerman@comcast.net

CEU Information

CEUs have been awarded to each course through DACS' Compliance Monitoring. You can find out how many CEUs will be given for each class by looking on the course description page, by looking at the CEU form that you will receive at the end of each class or by looking on the certificate that is awarded at the end of each class. Most of the CEUs have been awarded in the Public Health Pest Control category. If you have any questions about the category or number of CEUs please call DACS. Remember - you are responsible for tracking your own CEUs.

Class rosters still will be available to all instructors who will continue to take roll. These rosters still will be turned in to the registration desk as the formal record of the class attendance. The difference is that these forms will not be turned in to DACS as they have been in previous years. Students will be given a "Record of Attendance for Continuing Education Units" form by their instructor at the end of the class for them to fill out and send in to DACS upon completion.

A form will be given to every student for each class that they attend. The forms should be completed by the student and turned in to DACS (Bureau of Entomology & Pest Control) upon completion - **not FMCA**. You must stay until the end of the class to receive the form. If you do not receive this form at the end of your class it will not be available to you at any other time. Please ask at registration if you have any questions.

Full credit for a class will be awarded only if the class has been attended in it's entirety. If you leave the class early, you will not get credit for the class. You must attend the class in its entirety in order to receive CEUs for the class.

Course A

Introduction to Mosquito Control

INTENDED AUDIENCE: New employees of all classifications.

STUDENT PREREQUISITES: An understanding from the student's supervisor that each student both **needs and desires** to take this class.

COURSE DESCRIPTION: A general introduction to mosquito control as performed in Florida. A wide-variety of topics will be discussed, including mosquito biology, identification, control techniques, surveillance techniques, classification of pesticides and pesticide safety. This class **is not required** to take the Core and PHPC certification examinations.

CLASS LIMIT: 80. Students who have not taken the course before will be given preference over students who have.

DATES & TIMES: Monday, January 30, 1:30 pm through Thursday, February 2, 5:00 pm.

COST: \$295. Includes the Florida Mosquito Control Handbook and the Core and PHPC certification manuals.

CEUs: 16 for Public Health.

FOR ADDITIONAL INFORMATION: Contact **Katie Heggemeier** at Lee County Mosquito Control District, Ft. Myers, FL, phone: 239.694.2174, fax: 239.694.2243, heggemeier@lcmcd.org or **Dr. Eric Schreiber** at Sarasota County Mosquito Management Services, Sarasota, FL, phone: 941.861.9723, fax: 941.861.9765, eschreib@scgov.net.

Course B

Advanced Mosquito Control

INTENDED AUDIENCE: This class will assist students in preparing for the Advanced Mosquito Control Certification exam.

STUDENT PREREQUISITES: Technicians with at least 2 years experience.

COURSE DESCRIPTION: This class will consist of hands-on identification, calibration, field techniques, and source reduction, habitat identification, and species association. Also included will be how to prepare for inspections, how often to calibrate equipment and why it is important to know mosquito habitat, and vector species vs. pest species. Florida laws and administrative codes (Chapter 388 FS and 5E-13 FAC) will be covered so that the student can find out what they mean and how they impact what can be done in a program. Students will be given a notebook containing copies of Chapter 388 FS and 5E-13, calibration, habitat, source reduction, and identification helpful hints.

CLASS LIMIT: 30. Limit one from any agency.

DATES & TIMES: Monday, January 30, 1:30 pm through Thursday, February 2, 5:00 pm.

COST: \$295. Includes study notebook.

CEUs: 16 for Public Health.

FOR ADDITIONAL INFORMATION: Contact **Flo Jones**, Consultant, Floral City, FL, flojo2448@yahoo.com or **Dr. Roxanne Connelly** at Florida Medical Entomology Laboratory, University of Florida/IFAS, Vero Beach, FL, phone: 772.778.7200, fax: 772.778.7205, crr@ufl.edu.

Course C

Commissioner's Caucus

INTENDED AUDIENCE: Mosquito control commissioners or trustees.

STUDENT PREREQUISITES: None.

COURSE DESCRIPTION: This course will present topics of interest to mosquito control commissioners. These topics may include, but will not be limited to, commissioner responsibilities, personnel issues including compensation and performance evaluations, reporting requirements, audits, board meeting organization and conduct, arbovirus updates, and other issues. Commissioners are encouraged to suggest topics and speakers to the commissioner contacts listed below. There will be a joint discussion with the mosquito control directors in the afternoon.

CLASS LIMIT: None.

DATE & TIMES: Tuesday, January 31, 8:00 am.- 5:00 pm.

COST: \$80.

CEUs: 6 for Public Health.

LUNCH: Will not be provided, please check at the registration desk for recommendations.

FOR ADDITIONAL INFORMATION: Contact **Commissioner Steve Smith** at Florida Keys Mosquito Control, Key West, FL, phone: 305.292.7199; keysgay@aol.com or **Janice Broda** at Indian River Mosquito Control District, Vero Beach, FL, phone: 772.562.2393, fax: 772.562.9619, janice.broda@irmosquito2.org.

Course D

Director's Caucus

INTENDED AUDIENCE: Directors, assistant directors, administrators, and senior staff.

STUDENT PREREQUISITES: None.

COURSE DESCRIPTION: This course will be a discussion of current issues that are impacting mosquito control in Florida. The course will continue on with the loose format that allows a free interchange of ideas. Please bring your problems and questions. An informational survey may be sent out to all registrants prior to the course.

CLASS LIMIT: None.

DATE & TIMES: Tuesday, January 31, 8:00 am. - 5:00 pm.

COST: \$80.

CEUs: 6 for Public Health.

FOR ADDITIONAL INFORMATION: Contact **Doug Carlson** or **John Beidler** at Indian River Mosquito Control District, Vero Beach, FL, phone: 772.562.2393, fax: 772.562.9619, email for both: doug.carlson@irmosquito2.org.

Course E

Identification of the Adult Mosquitoes of Florida

INTENDED AUDIENCE: Those whose main job responsibility it is to identify adult mosquitoes, those who perform surveillance work, or those whose job will be enhanced by the knowledge of being able to identify adult mosquitoes.

STUDENT PREREQUISITES: None, although some basic knowledge of mosquito identification would be helpful. Students must bring a microscope, preferably the one that will be used by them at their district to perform identification work. **YOU WILL NOT BE ALLOWED IN THE DOOR WITHOUT A WORKING STEREOSCOPE WITH A DECENT LIGHT.**

COURSE DESCRIPTION: This course reviews the morphology of the adult mosquito, the recognition of the genera which occur in Florida and the identification of Florida's mosquito species, using the keys in the "Keys to the Adult Females and Fourth Instar Larvae of the Mosquitoes of Florida" by Darsie and Morris.

CLASS LIMIT: 20.

DATE & TIMES: Monday, January 30, 1:30 pm - Wednesday, February 1, 11:30 am.

COST: \$195. Includes the revised edition of the Darsie & Morris Florida Mosquito Key.

CEUs: 12 for Public Health.

FOR ADDITIONAL INFORMATION: Contact **Dr. Roxanne Connelly** at Florida Medical Entomology Laboratory, University of Florida/IFAS, Vero Beach, FL, phone: 772.778.7200, fax: 772.778.7205, crr@ufl.edu or **Jason Stuck** at Pinellas County Mosquito Control, Clearwater, FL, phone: 727.464.7503, jstuck@co.pinellas.fl.us.

Course F

Identification of the Larval Mosquitoes of Florida

INTENDED AUDIENCE: Those whose main job responsibility it is to identify larval mosquitoes, those who perform surveillance work, or those whose job will be enhanced by the knowledge of being able to identify larval mosquitoes.

STUDENT PREREQUISITES: None, although some basic knowledge of mosquito identification would be helpful. Students must bring a microscope, preferably the one that will be used by them at their district to perform identification work.

COURSE DESCRIPTION: This course reviews the morphology of the larval mosquito, the recognition of the genera which occur in Florida and the identification of Florida’s most important mosquito species, using the keys in the “Keys to the Adult Females and Fourth Instar Larvae of the Mosquitoes of Florida” by Darsie and Morris.

CLASS LIMIT: 20. Limit 1 from any one agency.

DATE & TIMES: Wednesday, February 1, 1:30 pm -
Thursday, February 2, 8:00 am. - 5:00 pm.

COST: \$125. Includes the revised edition of the Darsie & Morris Florida Mosquito Key and larval reference slides of species commonly found in Florida.

CEUs: 9 for Public Health.

FOR ADDITIONAL INFORMATION: Contact **Wade Brennan** at Sarasota County Mosquito Management Services, Sarasota, FL, phone: 941.650.2662, fax: 941.861.9765, wbrennan@scgov.net.

Course G

Interpreting Pesticide Labels - EPA

INTENDED AUDIENCE: Open.

STUDENT PREREQUISITES: None.

COURSE DESCRIPTION: Carlton Layne, former USEPA District IV (Atlanta) representative, will present this course. Topics to be discussed include what label statements really mean (using mosquito control products) and how to interpret them. There will be time for questions and answers at the end of the class.

This class will combine with the Introduction to Mosquito Control on Tuesday morning.

CLASS LIMIT: None.

DATES & TIMES: Tuesday, January 31, 8:00 am. - 11:30 am.

COST: \$80.

CEUs: 3 for Core.

FOR ADDITIONAL INFORMATION: Carlton Layne,
layn1111@bellsouth.net

Course H

New Technologies in Mosquito Control

INTENDED AUDIENCE: Anyone interested in learning about new technologies used in the mosquito control industry.

STUDENT PREREQUISITES: Student must be associated with an active mosquito control program.

COURSE DESCRIPTION: The new technologies for mosquito control forum will offer an opportunity for manufacturers and distributors of mosquito control products and equipment and Florida Mosquito Control Districts to discuss the most current and new advances in mosquito control technology.

CLASS LIMIT: None.

DATES & TIMES: Thursday, February 2, 1:30 pm - 5:00 pm.

COST: \$45.

CEUs: 3 for Public Health.

FOR ADDITIONAL INFORMATION: Contact **Dr. Jeff Stivers** at Collier Mosquito Control District, Naples, FL, phone: 239.436.1005, fax: 239.436.1005, jeff@cmcd.org.

Course I

Arbovirus A-Z

INTENDED AUDIENCE: Anyone running or thinking about running an arbovirus surveillance program.

STUDENT PREREQUISITES: Some working knowledge of mosquito-borne diseases.

COURSE DESCRIPTION: This class will show the student, step-by-step, how to set up, run, and maintain an arbovirus surveillance program. The class will cover the dos and don'ts for daily, weekly, and monthly activities. There will be complete coverage of the FDOH Arbovirus manual. This is arbovirus surveillance in plain talk - without the mystery.

CLASS LIMIT: 35.

DATES & TIMES: Monday, January 30, 1:30 pm - 5:00 pm.

COST: \$45.

CEUs: 3 for Public Health.

FOR ADDITIONAL INFORMATION: Contact: **Jim Burgess**, Lee County Mosquito Control District, Fort Myers, FL, phone: 239.694.2174, fax: 239.693.5011, burgess@lcmcd.org.

Course J

DACS Budget Process Workshop

INTENDED AUDIENCE: Personnel from any state approved mosquito control program.

STUDENT PREREQUISITES: None, but knowledge of the various reporting forms would be helpful.

COURSE DESCRIPTION: Instructions will be provided for completing the mandatory state reports and a review of the governing statutes and administrative codes for all state approved mosquito control programs will be provided. There will be time for a Q & A period.

CLASS LIMIT: None.

DATES & TIMES: Monday, January 30, 1:30 pm - 5:00 pm.

COST: \$45.

CEUs: 3 for Public Health.

FOR ADDITIONAL INFORMATION: Contact **Angela Weeks-Samanie**, Florida Department of Agriculture & Consumer Services (DACs), Bureau of Entomology & Pest Control, Tallahassee, FL, phone: 850.922.7011, ext. 106, fax: 850.413.7044, angela.weeks-samanie@freshfromflorida.com.

Course K

Jim Robinson Series: Food for Thought

INTENDED AUDIENCE: Open.

STUDENT PREREQUISITES: None.

COURSE DESCRIPTION: This is a continuation of the noon lecture series.

K1 - Craig Stoops: The President's Malaria Initiative.

K2 - Graham White: Department of Defense Deployed War Fighter Protection (DWFP) Research Program.

CLASS LIMIT: None.

DATE & TIMES: K1 - Tuesday, January 31, 11:45 am - 1:15 pm.
K2 - Wednesday, February 1, 11:45am-1:15pm.

COST: \$35 per lecture/lunch.

CEUs: 1 each for Public Health.

FOR ADDITIONAL INFORMATION: Contact **Gary G. Clark, Ph.D.**, Research Leader, Mosquito and Fly Research Unit, CMAVE, ARS, USDA, 1600 SW 23rd Drive, Gainesville, FL 32608, Tel. (352) 374-5910; Cell: (352) 275-9491. FAX: (352) 374-5922;
gary.clark@ars.usda.gov

Course L-1

Advanced Medical Entomology B

INTENDED AUDIENCE: Open.

STUDENT PREREQUISITES: Completion of “Introduction to Mosquito Control.”

COURSE DESCRIPTION: Students will review and discuss the life cycles of four important vector-borne diseases including yellow fever, Rocky Mountain spotted fever, onchocerciasis, and eastern equine encephalitis virus. Each disease cycle will be presented in a Power-Point format with accompanying handouts and an in depth class discussion of each stage of the cycle.

CLASS LIMIT: 30.

DATES & TIMES: Thursday, February 2, 8:00 am - 11:30 pm.

COST: \$80.

CEUs: 3 for Public Health.

FOR ADDITIONAL INFORMATION: Contact **Dr. Jonathan Day**, UF/IFAS/Florida Medical Entomology Laboratory (FMEL), 200 9th St. SE, Vero Beach, FL, 32962; phone: 772.778.7200 x132, fax: 772.778.7205; jfda@ufl.edu.

Course L-2

Advanced Medical Entomology C

INTENDED AUDIENCE: Open.

STUDENT PREREQUISITES: Completion of “Introduction to Mosquito Control.”

COURSE DESCRIPTION: Students will review and discuss the life cycles of four important vector-borne diseases including African trypanosomiasis, dengue virus, Babesiosis/Ehrlichiosis, and epidemic typhus. Each disease cycle will be presented in a PowerPoint format with accompanying handouts and an in depth class discussion of each stage of the cycle.

CLASS LIMIT: 30.

DATES & TIMES: Thursday, February 2, 1:30 pm to 5:00 pm

COST: \$80.

CEUs: 3 for Public Health.

FOR ADDITIONAL INFORMATION: Contact **Dr. Jonathan Day**, UF/IFAS/Florida Medical Entomology Laboratory (FMEL), 200 9th St. SE, Vero Beach, FL, 32962; phone: 772.778.7200 x132, fax: 772.778.7205; jfda@ufl.edu.

Course M

OSHA Regulations for Employees & Supervisors

INTENDED AUDIENCE: Open.

STUDENT PREREQUISITES: None.

COURSE DESCRIPTION: The course will provide the student with up-to-date compliance information for local, state, and federal regulations. The course also will cover OSHA regulations that deal with worker safety, especially to protect workers from pesticide hazards. Topics to be discussed include containers, labeling, placarding of vehicles, and spill response. EPA requirements from the Resource Conservation and Recovery Act (RCRA) and FIFRA, as amended by the Federal Environmental Pesticide Control Act (FEPCA) also will be discussed. There will be time for a short question and answer session at the end.

CLASS LIMIT: None.

DATES & TIMES: Monday, January 30, 1:30 pm. - 5:00 pm.

COST: \$125.

CEUs: 3 for Core.

FOR ADDITIONAL INFORMATION: Contact **Chris Pappas**, Environmental Health & Safety Manager at Crop Production Services, phone: 863.837.8937, fax: 863.326.6780, papnole@aol.com.

Course N

Chemical Spill Response Training

8 hour Hazardous Materials Operations Level (Level II)

8 hour Annual Refresher Training for Level III students

INTENDED AUDIENCE: Government employees and first responders.

Note to all government employees: Federal law now requires annual emergency response training for all employees that may respond to a chemical spill, regardless if employed by the private sector or local government. For the training to qualify it must review specific topics as specified by OSHA and EPA. This course fulfills those requirements.

COURSE DESCRIPTION: This class meets the requirements under both OSHA and EPA for responding to a chemical release. This is a certification class, and all students completing the course will receive documentation indicating they are qualified to respond to a chemical release.

Topics covered: Review of OSHA, EPA, and DOT rules governing spills; Hazard assessment; Spill reporting requirements; Personal Protective Equipment; Toxicology/Chemical hazards; Spill containment procedures/materials; Decontamination; Waste disposal; Review of recent incidents.

CLASS LIMIT: None.

DATES & TIMES: Tuesday, January 31, 8:00 am - 5:00 pm.

COST: \$200. All students are provided two textbooks, certificate of completion.

CEUS: 4 for Core + 4 in **ONE** of the following: Aerial, Aquatics, Forestry, Ornamental & Turf, Private Applicator, Public Health, Right of Way.

FOR ADDITIONAL INFORMATION: Contact **Chris Pappas**, Environmental Health & Safety Manager at Crop Production Services, phone: 863.837.8937, fax: 863.326.6780, papnole@aol.com.

Course O

Biology and Identification of Ticks

INTENDED AUDIENCE: Those whose responsibilities include tick identification or public questions about ticks, come into contact with ticks during their job, or have other interests in tick biology and identification.

STUDENT PREREQUISITES: None, although some basic knowledge of arthropod identification would be helpful. Students must bring a microscope, preferably the one that will be used by them at their district to perform identification work.

YOU WILL NOT BE ALLOWED IN THE DOOR WITHOUT A WORKING STEREOSCOPE WITH A DECENT LIGHT. IF YOU SHOW UP WITHOUT A SCOPE, YOU WILL BE SENT HOME AND WE WILL KEEP YOUR MONEY AND EAT YOUR SHARE OF THE BREAK GOODIES.

COURSE DESCRIPTION: This course reviews the basic biology of ticks, tick borne disease, and the morphology and identification of ticks. World-wide genera will be covered with a focus on the species frequently found on humans and domestic animals in Florida.

CLASS LIMIT: 25. No exceptions.

DATE & TIMES: Wednesday, February 1, 8:00 am - 5:00 pm

COST: \$80. Includes handouts of useful keys

CEUs: 6 for Public Health.

FOR ADDITIONAL INFORMATION: Contact **Dr. Cynthia Lord** at Florida Medical Entomology Laboratory, University of Florida/IFAS, Vero Beach, FL, phone: 772.778.7200, fax: 772.778.7205, clord@ufl.edu or **Dr. Sandra Allan**, CMAVE, USDA, Gainesville, FL, phone: 352-374-5940, fax: 352-374-5922, Sandy.Allan@ARS.USDA.GOV.

Course P

Domestic Inspections

INTENDED AUDIENCE: Open.

STUDENT PREREQUISITES: None.

COURSE DESCRIPTION: This course will cover the basics of domestic mosquito inspections including BMPs (Best Management Practices) for the inspection, storm water requirements, practical domestic inspection techniques, pest vs. disease mosquito inspections, and a practical domestic inspection exercise. Class discussion and participation regarding work experience is encouraged. Q & A session will follow the exercise.

CLASS LIMIT: 35.

DATES & TIMES: Wednesday, February 1, 8:00 am - 5:00 pm.

COST: \$80.

CEUs: 6 for Public Health.

FOR ADDITIONAL INFORMATION: Contact Sue Bartlett,
skbartle@co.pinellas.fl.us

Course Q

Asian Tiger Mosquito: biology and control

INTENDED AUDIENCE: Open

STUDENT PREREQUISITES: None

COURSE DESCRIPTION: This course will cover the biology, surveillance and control strategies of this invasive container breeding mosquito species. The basic biology, ecology, life cycle, its history as an invasive species, history as a vector of disease pathogens and biting behavior will be covered in the morning. Surveillance methods for both immature and adult stages will be covered in the first afternoon session. Various strategies that have been used in an attempt to control this nuisance pest will be presented in the second afternoon session. Participants will be encouraged to share their experiences dealing with this species.

CLASS LIMIT: 30.

DATES & TIMES: Thursday, February 2, 8:00 am - 5:00 pm

COST: \$80.

CEUs: 6 for Public Health.

FOR ADDITIONAL INFORMATION: Contact Dr. Dan Kline dan.kline@ars.usda.gov or
Chris Lesser christopher.lessner@manateemosquito.com

Course R-1 or R-2*

ArcGIS for Mosquito Control

INTENDED AUDIENCE: Mosquito Control and Public Health personnel interested in the basic application of ESRI ArcGIS software in the automation, analysis, and visualization of mosquito control specific datasets.

STUDENT PREREQUISITES: Familiarity with ESRI ArcGIS software (ArcGIS 8.0 or greater)

COURSE DESCRIPTION: An elementary course on the use of the Environmental Systems Research Institute (ESRI) ArcGIS Desktop aimed at Mosquito Control and Public Health personnel who are interested in the use of ArcGIS to assist in the automation, analysis, and visualization of mosquito control specific datasets such as mosquito trap counts, landing rate counts, larval counts, rainfall measurements, and sentinel chicken seroconversions. Example datasets will be investigated using concepts and procedures such as Analysis Tools, Model Builder, Python Scripting, Arc Toolbox, Spatial Analysis, Temporal Datasets, Data Conversion, and Geodatabases. The course will feature lectures, demonstrations, and open-question sessions. A laptop with ArcGIS 8/9/10 software is encouraged, but is NOT required. The instructor will have example mosquito control specific datasets available and students are encouraged to bring their own mosquito control specific datasets for analysis and questions.

CLASS LIMIT: None.

DATES & TIMES: R-1, Tuesday, January 31, 8:00 am - 5:00 pm **OR**
R-2, Thursday, February 2, 8:00 am - 5:00 pm

COST: \$80.

CEUs: 6 for Public Health.

FOR ADDITIONAL INFORMATION: Contact Gregory Ross, UF/IFAS/Florida Medical Entomology Laboratory, 200 9th Street SE, Vero Beach, FL. 32962; 772-778-7200; gkross@ufl.edu

Course S-1

Droplet Size and Mosquito Control -

Part 1: The Basics

INTENDED AUDIENCE: All

STUDENT PREREQUISITES: None

COURSE DESCRIPTION: This course will serve as an introduction to the importance of droplet size in mosquito control. While the majority of the subject matter will be geared towards ground (truck) adulticiding, comparisons will be made with the different droplet sizes utilized in aerial adulticiding and aerial/ground larviciding.

By the end of this session (Part 1) students will have a good understanding of droplet statistics, basic measurement techniques, conducting a waved/spinning slide droplet analysis and complying with current label requirements.

CLASS LIMIT: None.

DATES & TIMES: Tuesday, January 31; 8:00 am - 11:30 am.

COST: \$45.

CEUs: 3 for Public Health.

FOR ADDITIONAL INFORMATION: Contact Mark Latham, Manatee County Mosquito Control District, Palmetto, FL, phone: 941.722.3720. manateemcd@aol.com

Course S-2

Droplet Size and Mosquito Control -

Part 2: Advanced Issues

INTENDED AUDIENCE: All

STUDENT PREREQUISITES: Completion of morning session (Part 1) or a strong understanding of droplets and droplet dynamics

COURSE DESCRIPTION: This part of the course will concentrate more on droplet size issues associated with aerial adulticiding and cover some more advanced subjects including:

- 1) Biases and correction factors to be considered in our field measuring techniques
- 2) Aerial Spray Systems and droplet size capabilities
- 3) Meteorology, aircraft vortices and droplet movement
- 4) Theoretical spray dispersion modeling
- 5) Operational/Spray Trial droplet measurement considerations

CLASS LIMIT: None.

DATES & TIMES: Tuesday, January 31; 1:30 - 5:00 pm.

COST: \$45.

CEUs: 3 for Public Health.

FOR ADDITIONAL INFORMATION: Contact **Mark Latham**, Manatee County Mosquito Control District, Palmetto, FL, phone: 941.722.3720. manateemcd@aol.com

Course T

Age-Grading of Adult Female Mosquitoes

INTENDED AUDIENCE: Those individuals who collect surveillance information for making vector control decisions.

STUDENT PREREQUISITES: Students must be experienced in mosquito identification. *Each student is required to provide for their own use in the course (1) a stereo (i.e. dissecting) microscope and illuminator, capable of providing magnifications that include the 10-20X range; (2) a compound microscope and bright field illuminator, capable of providing magnifications that include the 100-200X range; and (3) one or two pairs of sharp jeweler's forceps. Students not arriving with microscopes will not be admitted to the course, unless they have made other arrangements beforehand.* By bringing their own equipment, students will have the opportunity for instructors to assist in adjustment of their microscopes for the proper visualization of age-grading characteristics. *Students should contact the instructor well in advance of the Dodd Courses if there are questions or difficulties in meeting the prerequisites.*

COURSE DESCRIPTION: This course will provide an introduction to mosquito population age-grading concepts. Students will be taught simple dissection methods appropriate for mosquito control personnel. Interpretation of age-grading data will be discussed, in the context of common vector control scenarios.

CLASS LIMIT: 12. Limit of one student per agency.

DATES & TIMES: Thursday, February 2, 8:00 am. - 5:00 pm.

COST: \$80.

CEUs: 6 for Public Health.

FOR ADDITIONAL INFORMATION: Contact **Dr. Don Shroyer**, Indian River Mosquito Control District, phone: 772.562.2393, fax: 772.562.9619, email: d.shroyer@irmosquito2.org

Course U

Roundup for Mechanics

Title: Tips, Tricks, and Otherwise Slightly Nutty Ideas On Equipment

INTENDED AUDIENCE: Mechanics and fabricators - the people who keep the equipment up and running, modify things to meet different needs, and design and build nifty things that make life easier at the District. If you regularly have grease under your fingernails, messed up knuckles from having to use a @* *%%\$ \$#@@ adjustable wrench, holes in your pants from welding sparks, don't really need to know the difference between *Culex nigripalpus* and *Aedes aegypti*, or frequently have blistered fingers from picking up a welded part too soon, then you belong in this class. This includes aerial as well as ground equipment.

COURSE DESCRIPTION: The class will be a show and tell program, giving everyone a chance to see what others are doing in their shops. It will also be a forum for people to ask for advice on how to design, build or modify equipment. Anyone who is proud of something they have worked on should bring the item to class (OK, we don't need anyone's ULV truck driven into the classroom, we'll check that out in the parking lot), make a Power Point presentation on your work, bring photos or make up parts lists to distribute to the class. If you want advice on how to build or modify something, then bring a rough schematic or list of what you want to accomplish to show to the group.

CLASS LIMIT: 30.

DATES & TIME: Wednesday, February 1, 8:00 - 11:30 am.

COST: \$45.

CEU's: 3 for Public Health.

FOR ADDITIONAL INFORMATION: Jeffrey C. Stivers, Ph.D.,
Director of Research, Collier Mosquito Control District, 600 North
Road, Naples, FL 34104. Voice 239-436-1000; Fax 239-436-1005; Cell
239-248-7980 jeff@cmcd.org

Course V

Best Practices in Outreach Education

INTENDED AUDIENCE: Anyone interested in improving their agency's educational outreach program.

STUDENT PREREQUISITES: None.

COURSE DESCRIPTION: The course will provide a foundation for improving mosquito control related educational outreach programs that promote science, health, and environmental education. Fundamentals of good teaching will be explored along with samples of lessons, labs, field trips, handouts, videos, and activities. Each participant is asked to bring examples of innovative educational activities or strategies to share with the group.

CLASS LIMIT: 20.

DATES & TIMES: Wednesday, February 1, 8:00 am - 5:00 pm.

COST: \$80.

CEUs: 6 for Public Health.

FOR ADDITIONAL INFORMATION: Neil Wilkinson, Environmental Education Liaison and Instructor, College of Arts and Sciences, Florida Gulf Coast University, Ft. Myers, FL, phone: 239.590.7255, nwilkins@fgcu.edu or Eric Jackson, Environmental Education Resource Teacher, School District of Lee County, Ft. Myers, FL, 239-297-9938, ericej@leeschools.net or Brian Murphy, Environmental Education Resource Teacher, School District of Lee County, Ft. Myers, FL, 239-634-9162, brianmu@leeschools.net

Course X

Certification Exam Reviews & Exams

INTENDED AUDIENCE: Those wishing to review and take the Core and Public Health Pest Control applicator's certification examinations.

COURSE DESCRIPTION:

- X1: Review for the Core exam (Wednesday night).
- X2: Review for the Public Health exam (Thursday night).
- X3: Core exam.
- X4: Public Health exam.
- X5: Aquatic Plant Control exam.
- X6: Aerial exam.
- X7: Director's exam.
- X8: Advanced Mosquito Control Certification

CLASS LIMIT: None.

DATES & TIMES:

- X1: Wednesday, February 1, 7:00 pm - 9:00 pm.
- X2: Thursday, February 2, 7:00 pm - 9:00 pm.
- X3-X8: Friday, February 3, 8:00 am - 12:00 pm.

COST: None.

FOR ADDITIONAL INFORMATION: For X1 and X2 reviews contact **Dr. Eric Schreiber** at Sarasota County Mosquito Management Services, Sarasota, FL, phone: 941.861.9723, fax: 941.861.9765, eschreib@scgov.net.

For Exams (X3-X7): Contact **Dr. Peter Jiang** at Florida Department of Agriculture and Consumer Services (DACCS), Bureau of Entomology & Pest Control, Tallahassee, FL, phone: 850.922.7011, fax: 850.413.7044, jiangy@doacs.state.fl.us.

For Exams X8: Contact **Dr. Roxanne Connelly** at Florida Medical Entomology Laboratory, University of Florida/IFAS, Vero Beach, FL, phone: 772.778.7200, fax: 772.778.7205, crr@ufl.edu.

Available Publications

AERIAL EXAM MANUAL: The Aerial Applicators Training Manual (set of 5 books). \$15.

AQUATIC PEST CONTROL MANUAL: by K.A. Langeland: Applicator training manual for aquatic pest control. \$15.

AQUATIC PLANT ID DECK: \$10.

CORE EXAM MANUAL: Applying Pesticides Correctly, A Guide for Private and Commercial Applicators. \$20.

FLORIDA MOSQUITO CONTROL HANDBOOK: This is a 3” ring binder containing chapters on all aspects of mosquito control in Florida. \$65.

GRASSES, RUSHES & SEDGES ID DECK: \$20.

KEYS TO THE MOSQUITOES OF FLORIDA: by Darsie and Morris. 1998: Illustrated dichotomous keys to the 4th instar larvae and adult female mosquitoes found in Florida. Revised edition \$22.

MOSQUITOES OF NORTH AMERICA, NORTH OF MEXICO: by Dr. Richard F. Darsie. 2005 Edition. \$75.

MOSQUITO WARS: by Dr. Gordon Patterson. \$55.

COMMON MOSQUITOES ID DECK: \$10.

PUBLIC HEALTH PEST CONTROL EXAM MANUAL: The Public Health Pest Control Applicator Training Manual is a **free** publication, but please indicate that you want a copy on the Registration Form.

MOSQUITO CONTROL WHITE PAPER: The White Paper is a **free** publication, but please indicate if you would like a copy on the registration form.



2012 Dodd Course List

Introduction to Mosquito Control.....	Page 6
Advanced Mosquito Control.....	Page 7
Commissioner's Caucus.....	Page 8
Director's Caucus.....	Page 9
Identification of Adult Mosquitoes of Florida.....	Page 10
Identification of Larval Mosquitoes of Florida.....	Page 11
Interpreting Pesticide Labels - EPA.....	Page 12
New Technologies in Mosquito Control.....	Page 13
Arbovirus A-Z.....	Page 14
DACS Budget Process Workshop.....	Page 15
Jim Robinson Lunch Series.....	Page 16
Advanced Medical Entomology B.....	Page 17
Advanced Medical Entomology C.....	Page 18
OSHA Regulations for Employees & Supervisors.....	Page 19
Chemical Spill Response Training Haz Mat Level II.....	Page 20
Chemical Spill Response Training Level III Refresher.....	Page 20
Biology & Identification of Ticks.....	Page 21
Domestic Inspections.....	Page 22
Asian Tiger Mosquito: Biology and Control.....	Page 23
ArcGIS for Mosquito Control.....	Page 24
Droplet Size: Basic.....	Page 25
Droplet Size: Advanced.....	Page 26
Age-Grading of Adult Female Mosquitoes.....	Page 27
Roundup for Mechanics.....	Page 28
Best Practices in Outreach Education.....	Page 29
Exam Reviews.....	Page 30
Exams.....	Page 31