

Advanced Entomology Training

Location: Louisiana State University Agricultural Center, Acadia Parish Extension Office, Crowley, LA

Date: March 1, 2010

To: All LSU Ag Center Personnel, Certified Crop Advisers, LACA Consultants, La. Ag Industry Representatives

Time: Session I8:30am to 12:30pm
 Session II....1:00pm to 3:00pm

Lunch: Sponsored by Dupont (Toby McCown), FMC (Henry Stefanski), Syngenta (Josh Zaunbrecher)

Purpose: To Assist the Ag Industry in better understanding the **WHAT, WHY and HOW** of **CROP PESTS** and **THEIR MANAGEMENT**. This includes but is not limited to:

- 1) Insect Identification: how they are classified and how they damage crops.
- 2) Insecticide mode of action: why they perform on certain insects and not others.
- 3) How insecticides kill insects.
- 4) Pest Management in the rice system.
- 5) Hands-on study of insects and their anatomy. (Session II)

Although this meeting will focus more on rice than other crops, this **FIRST OF ITS KIND ADVANCED TRAINING** will **BENEFIT** all consultants in identification and control of insects in other crops.

For more information contact Natalie Hummel, LSU AgCenter Extension Entomologist, at nhummel@agcenter.lsu.edu or 225-223-3373 or Mr. John Fontane at jmbfon@cox.net.

Agenda

Session I (Mandatory for CEU credits)

8:30am Welcome and Introductions (Linscombe), Purpose of training (Hummel)

- Administer pre-test

9:00 Dr. Chris Carlton, LSU AgCenter Department of Entomology

- Insect Morphology
- Identification to the level of order
- Anatomy of mouthparts in relation to feeding damage

9:45 Dr. Natalie Hummel, LSU AgCenter Department of Entomology

- Anatomy & physiology in relation to insecticides
- Targets of insecticides: nervous system, molting, reproductive system

10:15 Break (refreshments and a light snack)

10:30 Dr. Jim Ottea, LSU AgCenter Department of Entomology

- Insect toxicology - insecticide mode of action

11:15 Dr. Michael Stout, LSU AgCenter Department of Entomology

- Integrated pest management in the rice system
- Incorporating new insecticides

12:00pm Post-test

12:15 Wrap-up discussion led by Dr. Hummel

12:30 Lunch

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Session II (Optional additional training opportunity)

1:00 Hands-on study of specimens under microscope

3:00 Adjourn