



# Pesticide Risk Reduction Education

## Short Course on

# Hawaii island in OCTOBER 2017

*This announcement may be downloaded from [pestworld.stjohn.hawaii.edu/pat/schedule.html](http://pestworld.stjohn.hawaii.edu/pat/schedule.html).*

This in-depth two-day short course is about handling pesticides (including herbicides) in ways that will reduce risks to people and our environment. The instructor is from the Cooperative Extension Service, a part of the College of Tropical Agriculture and Human Resources, University of Hawaii at Manoa.

## Who would benefit?

This course would benefit people who want to be better informed about handling pesticides properly or prepare for the Hawaii Department of Agriculture's examination to qualify for certification to buy or use *restricted use* pesticides in Hawaii. (The exams will be conducted at separate sessions by Hawaii Department of Agriculture employees.)

**Certified applicators will not earn recertification credits by attending this course.**

## Topics

The instructor will emphasize the topics in the study packet's basic or "core" study guides, which provide information covered by all categories of certification exams. But "category-specific" topics such as life cycles of specific pests and specialized equipment and calculations are covered only in the category-specific packets of study guides, not in the short course. So if you plan to take a certification exam, you should also study the "category-specific" study guides.

Topics to be covered in the short course include:

- Types & formulations of pesticides
- Importance of a pesticide's labeling and *safety data sheet* (SDS)
- Laws & regulations about buying, storing, transporting, applying, and disposing of pesticides, spill response, and employee protection
- *Integrated pest management* (IPM) concepts
- Common pests' identification features & life cycles
- Common application equipment
- Types of dilution and dosage instructions
- Proportion calculation & ratios
- Pesticide movement & breakdown in the environment
- Groundwater & surface water protection
- Endangered species protection
- Carry-over. Resistance. Phytotoxicity.
- Hazards to pesticide handlers
- Protective clothing & safety equipment
- First aid for pesticide exposure

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## Dates & Times

2017 October 24–25, 8:15AM–4:00PM on both days.

Breaks are 50–60 minutes apart. Lunch break is 60 minutes, on your own.

## Location

Hilo (zip code 96720) on the island of Hawaii

## Registration & Study Packets

**Deadline** for registration is **September 24**.

**If you have a disability** and may need accommodations to participate, contact the UH Agricultural Diagnostic Service Center in Honolulu by phone (808) 956-6706 by **September 24**.

**Registration form** is available either from the instructor or by downloading it from [pestworld.stjohn.hawaii.edu/pat/schedule.html](http://pestworld.stjohn.hawaii.edu/pat/schedule.html). Use page 1 to register. (Use page 2 to order packets of study guides, if you need them.)

**Registration fee:** \$100 for the short course including classroom handouts but not the study guides described in the following paragraph. No food or beverages will be provided. If you plan to take the Hawaii Department of Agriculture's examination for restricted use pesticide certification, read the note in the gray box below.

**Study packets:** \$35 for the printed version of one complete set of study guides. Downloadable versions are available free-of-charge from [pestworld.stjohn.hawaii.edu/studypackets/spcatgor.html](http://pestworld.stjohn.hawaii.edu/studypackets/spcatgor.html). (You may print your own copies. You are not required to buy the printed version.) You should get the study guides if you plan to study for the Hawaii Department of Agriculture's exam to qualify for restricted use pesticide certification.

**For more information** contact the instructor, Charles Nagamine, in Honolulu by PHONE (808) 956-6007 or EMAIL [cynagami@hawaii.edu](mailto:cynagami@hawaii.edu).

The \$100 fee for the short course registration does *not* cover the fee for taking an exam to qualify for *restricted use* pesticide certification. Hawaii Department of Agriculture employees will offer the exam in separate sessions. They will collect a \$25 fee at the start of each exam session. [hdoa.hawaii.gov/pi/pest/pesticide-applicator-certificationrecertification-2/](http://hdoa.hawaii.gov/pi/pest/pesticide-applicator-certificationrecertification-2/)

## Leaflets available before short course begins

For a free copy of the leaflet, *Test Your Math Skills*, contact the instructor or download it from [pestworld.stjohn.hawaii.edu/studypackets/Test\\_Your\\_Math\\_Skills.pdf](http://pestworld.stjohn.hawaii.edu/studypackets/Test_Your_Math_Skills.pdf). The leaflet presents exercises and answers that will help trainees refresh basic math skills needed to understand the instructor's calculation examples. Trainees who find the exercises difficult will get more benefit from the short course if they get tutoring before the course begins. The exercises review (1) common fractions and their decimal number equivalents, (2) rounding-off, (3) percent, (4) conversions between • seconds and minutes • ounces and pounds • fluid ounces, pints, and gallons • square feet and acres, (5) reading tables, and (6) calculating square feet of rectangular areas. These basic skills (and more) will help exam-takers answer some of the questions in the restricted use pesticide certification exam.

You can download another free leaflet, *Practice Analyzing an Insecticide Label*, from [pestworld.stjohn.hawaii.edu/studypackets/Practice-Analyzing-Insecticide-Label\\_160825.pdf](http://pestworld.stjohn.hawaii.edu/studypackets/Practice-Analyzing-Insecticide-Label_160825.pdf). Study the examples to boost your pesticide label reading skills, which you will need to plan a pesticide treatment or to prepare for the Hawaii Department of Agriculture's exam to qualify for restricted use pesticide certification.