

**Understanding Pesticides**  
**BSPM 310, Spring 2012**

**Instructor:** Frank B. Peairs  
[frank.peairs@colostate.edu](mailto:frank.peairs@colostate.edu) (preferred)  
491-5945

**Three Credit Lecture:** MWF, 10:00 - 10:50, Room E008 Plant SciencesTBA

**Course Objectives:**

Successful students will be able to:

- Describe the benefits and risks of pesticide use in agriculture and elsewhere.
- Classify pesticides according to mode of action and target pests.
- Recognize pesticide resistant pests and recommend tactics for resistance avoidance and mitigation.
- Describe the fate of pesticides after they are released into the environment.
- Recommend methods for reducing undesirable effects of pesticides on the environment.
- Perform the calculations necessary for the accurate application of pesticides.
- Name pesticide regulatory agencies and describe their role in protecting the public from the adverse effects of pesticide use.
- Locate and demonstrate understanding of pesticide label information.
- Recognize pesticide safety equipment and the importance of its use.
- Define integrated pest management and its importance in the safe and effective use of pesticides.

**Methods of Evaluation:** There will be quizzes, two examinations and a final.

**Text and Readings:** Text is TBA. Background readings for individual lectures will be provided.

**Grading:** Exam I (30%), Exam II (30%), Final Exam (30%), Quizzes (10%).

**Grading Scale:** A = 90-100%; B = 80-89%; C = 70-79%; D = 60-69%; F = <60%.

**Prerequisites:** One class in basic Biology and one in basic Chemistry

Expectations for work outside of class include readings, homework (calibration problems) and preparation for exams and quizzes.