

AGRICULTURAL ENTOMOLOGY LAB
BSPM 303C
Fall, 2018

GENERAL DESCRIPTION: AGRICULTURAL ENTOMOLOGY is a course that introduces the student to the biology, recognition and control of arthropod pests of agronomic and vegetable, rangeland, livestock and poultry.

TIME AND ROOM: Lecture/Lab: 3:00-3:50pm Tuesday; 3:00-3:50pm Thursday (PLSCI E008)

INSTRUCTORS: B. C. Kondratieff – 012 Laurel Hall (491-7314, email: Boris.Kondratieff@colostate.edu); F. B. Peairs - 102 Insectary (491-5945), email: Frank.Peairs@ColoState.Edu

TEXTS: No text is required; handouts and supplementary information will be distributed

OBJECTIVES: Upon completion a student should be able to demonstrate knowledge of the identity, the common name, life history, management strategies of arthropod pests of agronomic and vegetable, rangeland, livestock and poultry.

ADDITIONAL TIME FOR LAB WORK

The lab will be open one evening each week for students requiring more time to study the teaching collection. Please make arrangements with the instructor.

LECTURE/LABORATORY SCHEDULE:

1. Introduction to the insects and related arthropods
(21 Aug & 23 Aug) -Kondratieff
2. General Pest Management
(Aug 28 & 30 Aug) -Peairs
3. Introduction to Management of small grain pests
(4 Sept & 6 Sept) -Peairs
4. Introduction to management of corn insects
(11 Sept & 13 Sept) -Peairs;
5. Introduction to forage, range, and stored grain pests
(18 Sept) -Peairs
6. **Quiz 1** [covers management of small grains and corn pest];
(25 Sept) –Kondratieff
8. Forage, range, and stored grain pest-identification & biology

- (2 Oct) -Kondratieff
7. Pests of small grains-identification & biology
(4 Oct) –Kondratieff
 7. Pests of small grains, identification & biology continued
(9 Oct) –Kondratieff
 8. Pests of corn, identification and biology
(11 Oct) -Kondratieff
 9. **Quiz 2** [covers identification of forage, range, stored grain, small grains, and corn)
(Oct 16) -Kondratieff
 10. Introduction to management of vegetable insects Part I
(18 Oct) -Cranshaw
 11. Introduction to management of vegetable insects Part II
(23 Oct) -Cranshaw
 12. Vegetable insect review
(25 Oct) -Kondratieff.
 - 13 **Quiz 3** [covers identification and biology of pests of small grains, corn, and vegetables
(30 Oct)-Kondratieff
 14. Miscellaneous pests (household)
(1 Nov & Nov 6)-Kondratieff
 15. Livestock & poultry pest identification and biology
(8 Nov & 13 Nov)-Kondratieff
 16. Miscellaneous pests,
(15 Nov) –Kondratieff
 17. Introduction to livestock pest management
(27 Nov & 29 Nov)-Peairs
 18. Review
(4 Dec) Review-Kondratieff
 19. **Quiz 4** (Comprehensive, emphasizes on material since Quiz 3)]
(6 Dec) Peairs & Kondratieff

EVALUATION:

4 Quizzes (400 points); Grading Scale: 90-100=A; 85-89=B; 75-84=C

CSU Honor Pledge

"I have not given, received, or used any unauthorized assistance."