

2006 Continuing Education Course Description

- 1. Vertebrate Pest Management in Endangered Species Habitats:** Fred Rinder, Fresno County Department of Agriculture, Supervising Agricultural/Standards Specialist, will discuss control, identification, and damage of vertebrate pests in endangered species habitat for agricultural production situations. Control techniques discussed: rodenticides, avicides, fumigants, and trapping methods. Worker Safety and PPE as required by the label and the Ag Codes will be discussed. **(2hrs.)**
- 2. Good Agricultural Practices (GAP) For Almonds:** Kelly Covello, of the California Almond Board, will give a presentation on good agricultural practices in almond production pertaining to bio-hazards. Topics discussed are: pest control, field sanitation, orchard floor cleaning, water source and quality, fertilizers and soil amendments, employee training, and documentation. **(2hrs.)**
- 3. The Pesticide Application Inspection:** Louie Guerra, Fresno County Department of Agriculture, Supervising Agricultural/Standards Specialist, will explain all that is involved in a pesticide application inspection including: Label PPE versus Regulatory PPE, equipment inspections, handler safety, emergency medical care, eye wash, non-compliances, and enforcement options. **(2hrs.)**
- 4. Vertebrate Pest Management in Vineyards:** Sup. Ag Sp. Fred Rinder will discuss identification and damage caused by pests such as: squirrels, mice, cottontails, jack rabbits, coyotes, wild hogs, and birds in vineyards. Methods of control: avicides, rodenticides, gas cartridges, fumigants, and trapping. Worker Safety and PPE as required by the pesticide label or the Ag Code will be discussed. **(2hrs.)**
- 5. Respirators – Regulations and Selection:** Chuck Perry, a representative of 3M, will explain and discuss respirator types, levels of protection, selection, and current respirator regulations. An update will also be given on new legislation regarding respirator training, medical concerns, and documentation **(1 hr.)**. **The Fieldworker Inspection:** Sup. Ag Sp. Louie Guerra will explain the fieldworker inspection as it pertains to growers. Items explained: definition of a fieldworker and a treated field, decontamination facilities, field posting, fieldworker training, oral notification, hazardous communication, and Application Specific Information. **(1hr.)**
- 6. Grower’s Drift Liability:** Jeanette Heinrichs (Insurance Investigator/Adjuster) will discuss liability in drift exposure situations as it pertains to growers, PCA’s, and Pest Control Businesses. Outlined will be distances, timing of applications, and environmental conditions as they pertain to liability **(1 hr)**. **Mitigating Agricultural Drift/Legislation Update:** Leonard Herrera of the California Department of Pesticide Regulation (CDPR) will give a presentation on pesticide drift. Areas of discussion: control/mitigation methods, causes of drift, and issues regarding drift. There will also be a review of new and upcoming legislation regarding pesticide use. **(1 hr.)**
- 7. Chemigation- Applications Through Irrigation Systems:** Bill Green of the Center of Irrigation Technology from CSUF will give a presentation on applications /injections through irrigation systems. Discussion will be on equipment type, ground water protection, and back flow prevention. A trailer-mounted working portable irrigation system will be on display for hands-on demonstrations. **(2hrs.)**
- 8. Common Non-compliances in the Application Inspection and the N.O.V.:** Sup. Ag Sp. Louie Guerra will cover some of the most common non-compliances that are found in the average application inspection. The center of discussion will be on: simple solutions for compliance, the “Compliance Bucket,” Notice of Violations (N.O.V.’s), and the Enforcement Response Policy (E.R.P.) **(1hr.)**. **The Grower Headquarter Audit:** Sup. Ag Sp. Louie Guerra will discuss what triggers a grower audit. Among items discussed: Length of time certain records should be retained, pesticide handler/fieldworker training forms/documents, Hazardous Communication, proper storage of PPE, pesticide storage areas, Application Specific Information, and medical supervision. **(1hr.)**
- 9. Vertebrate Pest Management In Orchards:** Sup. Ag Sp. Fred Rinder will give a presentation on vertebrate pests in orchards. Various methods of control, identification, and damage caused by vertebrate pests such as: ground squirrels, mice, cottontails, coyotes, wild hogs, finches, starlings, and crowned sparrows will be discussed. Methods of control include avicides, rodenticides, gas cartridges, fumigants, and trapping. Worker Safety and PPE as required by the pesticide label or the Ag Code will be discussed. **(2hrs.)**
- 10. Agricultural Burning In The San Joaquin Valley:** Patrick Houlihan, a representative from the San Joaquin Valley Air Pollution Control District, will discuss agricultural burning as it pertains to the San Joaquin Valley. Items discussed will be: when burning can take place, what can be burned, tire burning, how to get burn permits, and the future of burning **(1hr.)**. **Employer Documentation Requirements:** A representative of the Fresno County Department of Agriculture will give a presentation detailing the training and recordkeeping requirements that an employer must provide and maintain for employees that handle pesticides and/or work in treated fields. **(1 hr.)**
- 11. Claims in Drift Exposures:** Jeanette Heinrichs (Insurance Investigator/Adjuster) will discuss the overlap of growers, PCA’s, and Pest Control Businesses in claims involving drift liability exposure. The overlapping factors (delivery, mix/loading, application, harvest, and the recommendation) will be examined in the pesticide treatment process to give insight as to how claims/settlements are affected **(1hr)**. **Enforcement Response to “Report of Loss, Non-Performance or Damage”:** Sup. Ag Sp. Louie Guerra will outline the procedures and enforcement involved in a report of loss, non-performance, or damage situation. The outline will include the Report of Loss form, the Pesticide Episode Investigation Report, the Notice of Proposed Action, and the hearing procedure. **(1hr.)**
- 12. Respirators – Regulations and Selection:** Chuck Perry of 3M will explain and discuss respirator types, levels of protection, selection, and current respirator regulations. An update will also be given on new legislation regarding respirator training, medical concerns, and documentation **(1 hr.)**. **The Fieldworker Inspection:** Supervising Ag Specialist Louie Guerra will explain fieldworker inspection as it pertains to growers. Items explained will be: definition of a fieldworker and a treated field, decontamination facilities, fieldworker training, field posting, oral notification, hazardous communication, and Application Specific Information. **(1hr.)**

13. Vertebrate Pest Management In Field Crops: Sup. Ag Specialist Fred Rinder will give a presentation on vertebrate pests in field crops. Various methods of control, identification, and damage caused by vertebrate pests such as: ground squirrels, gopher, mice, cottontail rabbit, jackrabbit, coyotes, wild hogs, finches, starlings, crowned sparrows, and horned lark will be discussed. Methods of control include avicides, rodenticides, gas cartridges, fumigants, and trapping. Worker Safety and PPE as required by the pesticide label or the Ag Code regulations will be reviewed. (2hrs.)

14. New Respirator Regulations: Harvard Fong, an Industrial Hygienist of the Worker Health and Safety Branch of DPR, will provide an update on the changes in CDFA's respirator training requirements. Discussion will center on how the changes affect growers and what records, documents, and training is necessary for compliance (1hr). **Employer Documentation Requirements:** A representative of the Fresno County Department of Agriculture will give a presentation detailing the training and recordkeeping requirements that an employer must provide and maintain for employees that handle pesticides and/or work in treated fields. (1 hr.)

15. Application Technology: Jim Coburn, a representative of Western Farm Service, will give a presentation on spray coverage, adjuvant selection, and spray nozzles. The presentation will center on advancement of spray nozzles technology such as - lower volume applications, more on target deposition of materials, reduction of drift, and cost savings. (2hrs.)

16. Wildlife Damage Management In Fresno County: Sup. Ag Specialist Fred Rinder, will give a comprehensive presentation on wildlife damage in the backyard, rural, country, and isolated settings of Fresno County. Species discussed are: feral dog, weasel, opossum, red/gray fox, coyote, raccoon, skunk, wild hog, bobcat, badger, beaver, mountain lion, and bear. Animal and damage identification, legal status, legal control methods, non-lethal management practices, and registered toxicants will be discussed. (2hrs.)

17. Good Agricultural Practices (GAP) For Almonds: Kelly Covello, of the California Almond Board, will give a presentation regarding good agricultural practices in almond production pertaining to bio-hazards. Topics discussed are pest control, field sanitation, orchard floor cleaning, water source and quality, fertilizers and soil amendments, employee training, and documentation. (2hrs.)

18. Grower's Drift Liability: Jeanette Heinrichs (Insurance Investigator/Adjuster) will discuss liability in drift exposure situations as it pertains to growers, PCA's, and Pest Control Businesses. Outlined will be distances, timing of applications, and environmental conditions as they pertain to liability (1 hr). **Claims in Drift Exposures:** Jeanette Heinrichs will discuss the overlap of growers, PCA's, and Pest Control Businesses in claims involving drift liability exposure. The overlapping factors (delivery, mix/loading, application, harvest, and the recommendation) will be examined in the pesticide treatment process to give insight as to how claims/settlements are affected. (1hr)

19. The Pesticide Application Inspection: Supervising Agricultural/Standards Specialist Louie Guerra will explain all that is involved in a pesticide application inspection including: label PPE versus Regulatory PPE, equipment inspections, handler safety, emergency medical care, eye wash, non-compliances, and enforcement options. (2hrs.)

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21. Ground Water Protection Areas (GWPA'S): Mark Pepple of the Environmental Monitoring Branch of DPR will explain Ground Water Protection Areas, the regulated herbicides, Run-off/Leaching Zones, mitigation methods, and wellhead protection. (1hr.) **Common Non-compliances in the Application Inspection and the N.O.V.:** Supervising Ag Specialist Louie Guerra will cover common non-compliances that are found in the average application inspection. The center of discussion will be on: simple solutions for compliance, the "Compliance Bucket," Notice of Violations (N.O.V.'s), and the Enforcement Response Policy (E.R.P.). (1hr.)

22. Medical Supervision: Bob Haas, a toxicologist from the Pesticide and Environmental Toxicology Branch of Cal- EPA, will speak on the health effects of organophosphate and carbamate exposure, the need for medical supervision, symptoms of exposure, and the mechanisms that cause symptoms (1hr.). **Closed Mixing/Loading Systems:** Leonard Herrera of CDPR will explain a closed system, when they are necessary, what mechanisms are required for compliance, and which growers are required to have a closed system.(1hr.)

23. New Respirator Regulations: Harvard Fong, an Industrial Hygienist of the Worker Health and Safety Branch of DPR, will provide an update on the changes in CDFA's respirator training requirements. Discussion will center on how the changes affect growers and what records, documents, and training is necessary to comply (1hr). **Grower Headquarter Audit:** Supervising Agricultural Specialist Louie Guerra will discuss what triggers a grower audit. Among items discussed: Length of time certain records should be retained, Application Specific Information, pesticide handler/fieldworker training forms/documents, Hazardous Communication, proper storage of PPE, pesticide storage areas, and medical supervision. (1hr.)

24. Chemigation- Applications Through Irrigation Systems: Bill Green of the Center of Irrigation Technology from CSUF will give a presentation on applications/injections through irrigation systems. Discussion will be on equipment type, ground water protection, and back flow prevention. A trailer-mounted working portable irrigation system will be on display for hands-on demonstrations. (2hrs.)

25. Commensal Vertebrate Management: Supervising Agricultural/Standards Specialist Fred Rinder will give a presentation on the control of various commensal vertebrate pests of the home, farm and ranch environments. Pests discussed are various mice, rats, and squirrels, bat, pigeon, crow, coyote, fox, skunk, opossum, and raccoon. Pest identification, damage, and legal status will be examined. Proper application techniques of various homeowner available rodenticides, gas cartridges, fumigants, and trapping methods are discussed. Exclusion, scare techniques, and repellent methods of control are explained as they apply to the homeowner. (2 hrs.)