EXAMPLE TOPICS FOR DPR CONTINUING EDUCATION:
PESTICIDE LAWS AND REGULATIONS HOURS

Note: Subjects listed below are general topics that would be accredited by DPR for “Pesticide Laws and Regulations” hours as long as the comprehensive course agenda specifies that the focus is on California and/or federal pesticide laws and/or regulations.

Federal EPA and FIFRA topics
- Registration, sale, possession, and use of pesticides
- Part 137 Dispensing Pesticides in Congested Area Operation

Pesticides and Field Worker Safety
- Worker Protection Standard provisions of federal regulations
- Exposure precautions, emergency treatments and first aid procedures
- Worker protection training/communications, safety requirements, and decontamination procedures
- Personal protective equipment (PPE): types, proper usage, cleaning and disposal or storage
- Pesticide storage, transportation and disposal
- Proper storage, containers and transportation of product
- Proper disposal of unused product or containers, human and environmental hazards
- Exemptions from requirements
- Pesticide Safety Data Sheets (SDS)

Surface and Ground Water Protection
- Surface and ground water contamination resulting from pesticide use
- Pesticides on ground water protection list
- Surface or ground water protection restrictions and specified use requirements
- National Pollutant Discharge Elimination System (NPDES) permit requirements

Pesticide Labeling and label interpretation
- Licensing of pesticide products and label requirements
- Lapses in product registration
- Amendments to registered label
- Pesticide classification and restrictive statements
- Pesticide use directions, target pests, and crop/plant species use
- Acceptable application intervals and restricted-entry statements
- Misuse and deviations from label directions

Licensing and Certification Requirements for Pesticide Applicators and Advisers
- Types of licenses/certificates and minimum requirements (MQs)
- County registration renewal requirements
- Continuing education information and record keeping requirements
- License/certificate renewal requirements
- License violations and fraudulent actions
EXAMPLE TOPICS FOR DPR CONTINUING EDUCATION:
PESTICIDE LAWS AND REGULATIONS HOURS

Pesticide Regulation and Registration
- Pesticide registration process
- Classification of pesticides for general or restricted use
  - restricted materials classification
  - federal and state restrictions
- Restricted Use Permit Requirements
  - permits and written recommendations prior to use
  - application compliancy with sales and use provisions-federal and state

Pesticide Recommendations
- PCA written recommendation components and requirements, including documentations and retention requirements

Pesticide Use Reporting Requirements
- Monthly pesticide use reports

Drift Prevention Regulations
- Spray drift definitions, occurrences, impacts, and off-site movement
- Dormant spray regulations
- County specific buffer zones near school sites

Pesticide Air Quality Regulations
- Methyl isothiocyanate (MITC) mitigation
- Volatile organic compound (VOC) regulations

Pesticide Effects on Environmental and Endangered Species and Endangered Species Identification
- Endangered species range maps
- Endangered species identification

Healthy Schools Act (HSA) Requirements
- Pesticide use notification, posting, and record keeping requirements
- DPR list of pesticides not allowed to be used at schools and child care centers
- Schoolsite pesticide use reporting by pest control for hire
EXAMPLE TOPICS FOR DPR CONTINUING EDUCATION:

OTHER HOURS

Note: Subjects listed are general topic areas that would be accredited by DPR for other hours as long as the actual agenda information submitted with the CE course application included more detail to indicate the focus was on pesticides or pest management applicable to California.

Pest identification, Pest Monitoring and Beneficial Pest Levels
- Pest Identification
- Pest life cycles
- Pest Classifications and Characteristics
- Pest Resistance and/or Tolerance to Pesticides/Fungicides/Herbicides

Crop Ecosystems
- Levels of ecological organization, biochemical cycles in the ecosystem, and other ecosystem factors affecting pest populations and pest management/IPM
- Biodiversity and the physical environment management impact on pest control

Economic Thresholds, Treatment Guidelines, and Monitoring of Pests
- Pest population thresholds and resulting damage
- Density of pest populations and cost of pest control product applications
- Pest control measures and incremental return/economic injury affecting IPM
- Plant Disease Forecasting Models

Cultural Practices and General Commodity Production Factors
- Feasible mitigation measures in cultural pest control
- Mechanical and physical methods of control
- Plant health and its effect on pest/disease populations
  - Soil health, fertility, and plant nutrition considerations
  - Water drainage systems and run-off prevention
  - Crop physiology in relation to pest susceptibility
  - Alternate cropping systems and crop rotation in pest resistant programs

Biological Control Methods/Biotechnology
- Organic production and its role in pest/disease prevention
- Beneficial insects and their habitats
- Genetically modified crops for pest prevention

Plant and Animal Management Systems
- Eradicating animal pests or significantly reducing impacts of animal pests
- Pest control programs in cooperation with neighboring landholders, other State agencies and local government
EXAMPLE TOPICS FOR DPR CONTINUING EDUCATION:
OTHER HOURS

- Invasive species control and quarantines

**Chemical Control and Other Components of Pest Management Systems**
- Comparative effectiveness of IPM and conventional chemical controls in pest management systems

**Ground Application Equipment and Application techniques**
- Characteristics and Advantages of Ground Application Equipment
- Selection, Use, Clean Up and Care of Ground Application Equipment
- Use of Compressed Air, Back-pack, Low-pressure, High-pressure hydraulic, and air-blast Sprayers
- Ultra-low Volume, Injection Pump, Dust and Granular Applications
- Drift Prevention Techniques
- Equipment Calibration
- Technology and tools used in pest control operations

**Chemical Formulations and Toxicology**
- Minimal exposure pesticides
- Identification of Environmentally Sensitive Areas
- Impacts of Pesticides on Pollinators
- Impacts of Pesticides on People
- Human, wildlife, and environmental exposure/impacts

**Movement of Pesticides**
- Pesticide Drift Protection Practices, Applications, and Drift reduction Techniques
- Pesticide residue movement due to irrigation run off, erosion tillage and leaching

**Integrated Pest Management (IPM) Practices and Techniques**
- Levels of ecological organization and how they relate to pest management
- Ecosystems and biochemical cycles
- Management of ecosystems and the importance to pest management
- Pest problems and their effect on ecology
- Purpose and benefits of IPM, understanding pest control techniques and practices
- Using pesticide in an IPM program
- IPM monitoring programs and practices
- Pest control sample and monitoring methods
- Includes using pheromones, sticky traps, etc.
- Meteorological monitoring systems, instruments, and computer-assisted data collecting
- Use of GPS & GIS for monitoring pests, pesticide applications, plant damage, etc.
EXAMPLE TOPICS FOR DPR CONTINUING EDUCATION:
OTHER HOURS

- Environmental quality improvement programs
- Additional considerations when setting up an IPM Program
- Crop loss dues to pest damage
- Non-target pests/organisms and the environment
- Harvest and crop yields
- Fertilizing, composting, irrigation management, and other crop production methods essential to sustainability in a successful IPM program

Pest/Disease Control Techniques and Practices

- Pest/Disease Identification, pest types, and life cycles
- Pest/Disease resistance and tolerance
- Pesticide resistance monitoring
- Pest/Disease monitoring, field mapping and computer-assisted data recording tools
- Field trials and pest/disease control experiments

Other Government Agency’s Laws and Regulations Pertaining to Management of a Pest (not CA laws/regulations about pesticides)

- Vertebrate trapping laws and regulations
- Preventing movement of invasive species (not pesticide requirements)
- Fish and Wildlife vertebrate permits
- Maximum residue limits (MRLs) set by other countries
EXAMPLE TOPICS FOR DPR CONTINUING EDUCATION:
AERIAL HOURS

Note: Subjects listed are general topic areas that would be accredited by DPR for aerial hours as long as the agenda submitted with the CE course approval request included more detail to indicate the focus was on aerial information applicable to pesticide applications in California.

Application Equipment and Application Techniques

- Aerial Dispersal System Components
- Aerial Application Guidance Systems
- Aerial Application Technology
- Characteristics, Advantages, Disadvantages of Aerial Application Equipment
- Selection, Use, Clean Up and Care of Aerial Application Equipment
- Drift Reduction
- Calibration of liquid and Dry Systems
- Inspection and Maintenance of Dispersal Equipment/Systems
- Swath Marking and Flight Patterns

Part 137 Dispensing Pesticides in Congested Area Operation

Professional Aerial Applicator Support System (PAASS)