

# Laws and Regulations Update

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# Presentation Overview

- ✧ Definition of Pesticide
- ✧ Personal Protective Equipment Regulations
- ✧ Application & Mix / Load Inspection
  - What to Expect
  - Common Violations Observed

# Definition of Pesticide

- ◆ Any substance, or mixture of substances which is intended to be used for defoliating plants, regulating plant growth, or for preventing, destroying, repelling, or mitigating any pest, detrimental to vegetation, man, animals, or households, or be present in any agricultural or nonagricultural environment

# Pesticides

- Include:
  - Herbicide
  - Insecticide
  - Rodenticide
  - Fungicide
  - Defoliants
  - Plant Growth Regulators
  - Antimicrobials – disinfectants, sanitizers

# Application & Mix / Load

## Purpose

- To document whether handlers and employers are complying with:
- Use conditions
- Labeling requirements
- Training requirements, and
- Worker safety requirements

# Requirements

- Inspector's determination of your compliance with laws and regulations concerning
  - ✓ Application
  - ✓ Mix / Load
  - ✓ Equipment

# Personal Protective Equipment

## EMPLOYERS

- ☒ ...shall provide all necessary PPE, as required by label, permit condition and regulation, keeping it clean and in good repair. Equipment must be inspected daily.
- ☒ Heavily contaminated PPE shall be replaced.
- ☒ Store clean PPE in a specifically designated, pesticide-free area.



# Personal Protective Equipment

## EMPLOYERS

- ☒ **Make sure PPE is used properly.**
- ☒ Store and wash used PPE separate from other laundry. Dry PPE properly.
- ☒ **Never allow contaminated PPE to be taken into worker homes.** If worker does not return to headquarters, **provide a sealable container for worker to store contaminated** equipment outside of home.
- ☒ **Make sure personnel maintaining/cleaning PPE know what they're doing** (i.e. handling pesticide contaminated clothes).



# Personal Protective Equipment

- EMPLOYEES shall utilize the personal protective equipment provided by the employer.

# Application Mix / Load

1. PCB Licensed
2. PCB Registered in the County
  - Company working in county without registering is a (FAC Section 11732) **Common Violation**
3. Registered Label available at the use site
4. Notice of Intent submitted (Restricted Materials)
5. Certified Applicator supervising the use of Restricted Materials (California & Federal)
6. Complies with Permit Conditions
7. Labeling – Site / Rate/Other

# Application Mix / Load

8. Labeling – Personal Protective Equipment
  - not wearing PPE required by the label is a **Common Violation**
9. Regulations – PPE
  - Not wearing PPE required by Regulation is a **Common Violation**
10. Respiratory Protection
11. Coveralls “Warning / Danger

# Personal Protective Equipment

- **EMPLOYERS** shall assure that employees wear:
  - **Eye protection** when mixing/loading or applying pesticides by hand or ground rig, or otherwise exposed to contaminated equipment
  - **Chemical-resistant gloves** when mixing/loading or applying pesticides by hand or ground rig, or otherwise exposed to contaminate equipment

# Personal Protective Equipment (Eyes)

- **EMPLOYERS** shall assure that employees wear protective eyewear that provides **brow and temple protection**, conforming to the curvature of the face.
  - **Must be ANSI Z87.1-2010 compliant.** American National Standard for Occupational and Educational Personal Eye & Face Protection Devices

1. **Safety Glasses**
2. **Goggles**
3. **Face Shield**



# Personal Protective Equipment (Eyes)

## EMPLOYERS

- If the label identifies specific protective eyewear, **that eyewear or more protective must be worn.**
  - ❖ **Goggles** must be worn (NOT safety glasses) if the label states wear goggles.
- **Prescription eyewear may not interfere with fit/function of protective eyewear**

# Personal Protective Equipment (Gloves)

## EMPLOYERS

- shall assure that employees wear appropriate chemical-resistant gloves when required...
  - If there is **NO specific** glove material specified on the label ("***use chemical-resistant gloves***"), then any of the gloves listed in the DPR Glove Category Selection Key card may be used



# Personal Protective Equipment (Gloves)

## *Glove Category Selection Key Based on USEPA Label Codes*

### Glove Category Selection Key Based on USEPA Label Codes

Label Code	Recommended by CDPR
A	1,2,3,4,5,6,7,8
B	1,2
C	1,2,3,4,7,8,
D	1,2
E	1,3,4,8
F	1,2,3,8
G	1,8
H	1,8

1:Laminate, 2:Butyl, 3:Nitrile, 4:Neoprene, 5:Natural, 6:Polyethylene, 7:PVC, 8:Viton  
All but Laminate and Polyethylene must be 14 mils or thicker

# Personal Protective Equipment (Gloves)

- **Other than laminate and polyethylene, all gloves must be 14 mils or thicker.**

**Exception: For tasks requiring fine motor skills and dexterity, thinner gloves of the same material may be substituted for a maximum of 15 minutes to accomplish the task, then discarded.**



# Personal Protective Equipment (Body)

- **EMPLOYERS** shall assure that employees wear:
  - **Chemical-resistant footwear (boots, shoes or coverings)** when required.
  - **Chemical-resistant hood or wide-brim hat,** when chemical-resistant head protection is required.

# Personal Protective Equipment (Body)

- **EMPLOYERS** shall assure that employees wear:
  - **Coveralls** when handling **Category I (Danger)** or **Category II (Warning)** pesticides.

This does **NOT** apply to fumigants,  
**unless otherwise required by label.**



# Personal Protective Equipment (Body)

- **EMPLOYERS** shall assure that employees wear:
  - Chemical resistant apron when required
  - **Chemical resistant coveralls when required**
    - ❖ When daytime temperature exceeds 80° or nighttime temperature exceeds 85°, employees must not handle pesticides that require the wearing of chemical-resistant coveralls unless engineering controls are utilized to reduce the temperatures below the above temperatures.

# Application Mix / Load

## 12. Handler(s) Trained

- CCR 6724

➤ Employee not trained on pesticide being used is a **Common Violation**

## 13. Emergency Medical Care Posting

- CCR 6726

➤ Not POSTED in a prominent place in the work vehicle or missing the phone numbers of hospitals is a **Common Violation**

## 14. Employee Working Alone – “Danger”

- Production agriculture only



# Application Mix / Load

15. Decontamination Facility
  - CCR 6734
  - Missing: soap, single use towels or one clean change of coveralls is a **Common Violation**
  
16. Eyewash Immediately Available
  - Production Ag. Only
  
17. Field Postings
  - Production Ag. Only



# Application Mix / Load

## 18. Safe Equipment (CCR 6742)

- Equipment leaking or in bad repair-unsafe to operate (i.e. backpacks, hoses) – **Common Violation**



**Leaking and Worn Hoses**

19.Closed System Used (Production Ag only)

20.Protection of Persons/Animals/Property

20.Equipment Registered – PCB

21.Equipment Identified – PCB

22.Backflow Prevention – Airgap

23.Containers Secured / Attended

# Backflow Prevention Air Gap 3CCR 6610

Draw water from an outside source



➤ Air gap

➤ Double check valve



# Application Mix / Load

25. Containers Labeled / Closures (CCR 6676)
  - Registrant's label not on container
  - Lids/closures not secure
  - **Common Violation**
  
26. **Service Container Labeling (CCR 6678)**
  - Missing label altogether or mislabeled with wrong chemical is a **Common Violation**
  
27. **Proper Containers (CCR 6680)**
  - Food, drink, household product containers are **prohibited**

Pesticide Material  
in a Prohibited  
(Food/Drink)  
Container







- Tools and Equipment being contaminated
- Food Container w/possible pesticide material (unmarked container)
- Drink cup being used to measure pesticides



## 28. Proper Pesticide Transport :

- Secured to prevent spillage
- Covered to protect against moisture





# Improper Pesticide Transport:

- Not in the same compartment with:
  - People / pets or
  - Food or
  - Feed



# Application Mix / Load

## 29. Containers Properly Rinsed

- Triple rinsed at time of use

## 30. Accurate Measurement

❖ Calibrated to the smallest unit in which the pesticide is being weighed or measured.

❖ NOT ALLOWED:

- estimates
- uncalibrated
- unmarked

# Accurate Measurement:

Calibrated to the smallest unit in which the pesticide is being weighed or measured.



## NOT ALLOWED:

- estimates
- uncalibrated
- unmarked



# Application Mix / Load

## 31. Ground Water Protection

- Certain pre-emergent herbicides

## 32. Wellhead Protection

# Wellhead Protection: 3CCR 6609

Within **100** feet of a well:

- No mixing, loading or storing any pesticides
- No rinsing of spray equipment or pesticide containers
- No maintaining equipment that could spill pesticides

**UNLESS**

- Ground slopes away from wellhead or wellhead is protected by a berm

# Application Mix / Load

## 33. Dormant Insecticides

## 34. Surface Water Protection

- Applicable to Pest Control Businesses doing a **pyrethroid** application with certain **active ingredients** and applying the pesticide **outdoors** to certain types of **sites** and on **certain types of surfaces**.



# 17 Regulated Pesticides

(continued on next slide)

<b>Active Ingredient</b>	<b>Product Example</b>
Bifenthrin	Talstar
Cyfluthrin	Tempo 20 WP
Beta-cyfluthrin	Tempo SC, Cyguard
Gamma-cyhalothrin	Standguard
Lambda-cyhalothrin	Demand, Cyonara
Cypermethrin	Demon Max
Deltamethrin	Enforcer, Deltagard
Esfenvalerate	Ortho Bug B Gon
Fenpropathrin	Tame
Tau-fluvalinate	Mavrik
Permethrin	Dragnet, Raid

3 CCR §6970

# 17 Regulated Pesticides (cont.)

Active Ingredient	Product Example
Bioallethrin	Ace Wasp & Hornet Killer
S-bioallethrin	Zep Ant & Roach Spray
Phenothrin	Wasp & Hornet Killer
Prallethrin	Flying Insect Spray
Resmethrin	Black Flag Fogging Insecticide
Tetramethrin	Ortho Hornet & Wasp Killer 4

# Common Violations

## 1. PPE VIOLATIONS:

- ❖ CCR 6738– PPE stored with pesticides. **Employer violation.**
- ❖ 6738.1(a)-Protective eyewear not worn (sunglasses not acceptable). **Employer violation**
- ❖ 6738.1(b)-Protective gloves not worn or incorrect gloves (exp. **wearing rubber when cotton required per label**). **Employer Violation**

# Common Violations

- ❖ 12973 - Label violation (not wearing PPE required by the label). **Employer Violation**
- ❖ 6702(c) - Employees shall utilize protective equipment provided by employer. **Employee violation.**

# PPE Violations



- Missing PPE: Sleeves rolled up, no CR gloves, no eye protection, could require CR boots
- Damaged CR gloves (not sufficient)





- Personal Protective Equipment (PPE) (respirator, gloves, etc.)  
-Same storage area as pesticides





# Common Violations

- ◆ Label Violations (FAC 12973)
  - Application over rate
  - Product not labeled for use at the site/commodity
  - PPE Violations
  - Adjuvant/surfactant not used per label requirements
  - Drift
  - Applying within Buffer Zone

# Common Violations

- ◆ Emergency Medical Care Posting (CCR 6726)
  - Not POSTED in a prominent place in the work vehicle or missing the phone numbers of hospitals. **Employer Violation**
- ◆ Service Container Labeling (CCR 6678)
  - Missing label altogether or mislabeled with wrong chemical.

# Common Violations

- ◆ Decontamination Facility (CCR 6734)
  - Missing soap, single use towels or one clean change of coveralls
  - Not present
    - (must be within 100 feet of mix / load site)

- ◆ Container Requirements (CCR 6676)
  - Registrant's label not on container
  - Lids/closures not secure
  - Service containers not labeled



3CCR 6676; 6678

# Common Violations

- ◆ General Standards of Care (CCR 6600)
  - Equipment leaking or in bad repair-unsafe to operate (backpacks/hoses)
- ◆ PCB Registration (FAC 11732)
  - Company working in county without registering

# Riverside County Agricultural Commissioner District Offices

- Riverside / Corona  
(951) 955-3045
- Coachella Valley  
(760) 342-5070
- San Jacinto /  
Temecula  
(951) 654-3266
- Palo Verde Valley  
(760) 921-5630
- Website  
[www.rivcoawm.org](http://www.rivcoawm.org)