Pesticide Continuing Education Training

Cal – IPC Conference 2011

Charlene Carveth
Deputy Agricultural Commissioner

LeeAnne Mila
Senior Agricultural Biologist

El Dorado County Department of Agriculture
Inspector Training

Congratulations!!

• Today is your first day as the new inspector for the Weed Mountain County Department of Agriculture

• On the job training
Tools of the Trade

• Don’t worry you will get a “Code Book”.
  – Containing all applicable laws and regulations
    • California Food and Agricultural Code
    • California Code of Regulations

• And…Inspection Procedures Manual
  – Interpretation of laws and regulations

• We can’t forget….Inspection Forms
# PESTICIDE USE MONITORING INSPECTION REPORT

## INSPECTING COUNTY

### FIRM / PERSON INSPECTED

<table>
<thead>
<tr>
<th>Property Operator</th>
<th>Supervisor</th>
<th>Intern/Full</th>
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### FIRM MAILING ADDRESS

<table>
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<tr>
<th>Business Type</th>
<th>PERMIT / OPERATOR ID #</th>
<th>License Renewal Expiry Date</th>
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### PROPERTY LOCATION / SITE ID

<table>
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<tr>
<th>Address Information</th>
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### ADJACENT ENVIRONMENT

<table>
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<tr>
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<th>COMMODITY / SITE</th>
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### HANDLER'S NAME / INTERVIEWED

<table>
<thead>
<tr>
<th>Activity</th>
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### PESTICIDE NAME / MANUFACTURER

<table>
<thead>
<tr>
<th>Label Registration Number</th>
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<th>Formulation</th>
<th>Rate</th>
<th>Dilution</th>
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## A. APPLICATION

### REQUIREMENTS

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<th>Section</th>
<th>Requirement</th>
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### COMPLIANCE ACTIONS

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<th>Requirement</th>
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## B. MIXLOAD

### REQUIREMENTS

<table>
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### COMPLIANCE ACTIONS

<table>
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<tr>
<th>Compliance</th>
<th>Section</th>
<th>Requirement</th>
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</tr>
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</table>

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**Notes:** Include a detailed description of noncompliances. When additional space is required, attach an Inspection Report, VW Supplement, PA-11-11.

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**INSPETER:**

**INSPETER (Print Name):**

**TIME AND DATE INSPECTED:**

**INSPETER ACKNOWLEDGED BY (PRINT NAME):**

**INSPETER (Signature):**

**DATE ACKNOWLEDGED:**

**VIOLATION NOTICE:**

**DISTRIBUTION:**

**Page of:**

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**STATE OF CALIFORNIA**

**DEPARTMENT OF PESTICIDE REGULATION**

**PESTICIDE USE MONITORING INSPECTION REPORT**

**PP-ERN-106 REV. 3/20 R1 Page 1/1**
So, you have been sent out to do surveillance. As you are driving around you see an applicator performing roadside weed control.

You stop and talk to the applicator and find out that she is treating alongside the road for Purple loosestrife (*Lythrum salicaria*). She is using the herbicide Garlon 3A. You are in luck she is just getting ready to mix a new batch up in her backpack sprayer, so you will get to inspect a mix/load situation.

- She is applying with a 4 gallon backpack sprayer.
- She says her rate is 6 ounces/4 gallons.
- She is using the non-ionic surfactant R-11. Her rate is 5 ounces/ 4 gallons.
# Pesticide Use Monitoring Inspection Report

**Firm Name:** Weed Killers, Inc  
**Address:** 4001 Stagheist Rd., Woodsville, Co, 95564  
**Property Operator:** Jim King  
**Licence Number:** 925064  
**Telephone Number:** 530-622-5548  
**Commodity/State:** WEEDS - OTHER  
**Method of Application:**  
1. Aerial  
2. Chemical  
3. Hand Held  
4. Ground Rig  
5. Other

## Pesticide Name/Manufacturer

<table>
<thead>
<tr>
<th>Pesticide Name/Manufacturer</th>
<th>Label Registration Number</th>
<th>Signal Word</th>
<th>Formulation</th>
<th>Rate</th>
<th>Dilution</th>
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<tbody>
<tr>
<td>Calgon UltraGard Aggrandizer</td>
<td>22077 5793</td>
<td>Danger</td>
<td>Liquid</td>
<td>350g</td>
<td>4gal</td>
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<td>B.T. Biofix 100</td>
<td>22077 5542</td>
<td>Warning</td>
<td>Powder</td>
<td>0.5</td>
<td>4gal</td>
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## Compliance

**A. Application Requirements**  
<table>
<thead>
<tr>
<th>Requirement</th>
<th>Section</th>
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<tr>
<td>PCB Licensed</td>
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<td>PCB Required in County</td>
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<td>Notice of Intent</td>
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<tr>
<td>Certified Applicator Sign Rm</td>
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<td>Comply with Pesticide</td>
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<td>Labeling - PPE</td>
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<td>Respiratory Protection</td>
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<td>Coveralls/Warming Danger</td>
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<td>Handle (r)</td>
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<td>Emergency Med Care Posting</td>
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<td>Decontamination Facility</td>
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<td>Eyele &amp; Ear Protection</td>
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**B. Mixload Compliance**  
<table>
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<td>Glass and Metal Order</td>
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<td>Follow-Up Requested</td>
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**Remarks:** Include a detailed description of noncompliances. When additional space is required, continue on Inspector Report/VIN Supplement, PR-BR-111.

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**Inspection (Print Name):**  
**Signature:**  
**Time and Date Inspected:**  
**Violation Notice:** Yes/No #  
**Distribution:** Whole - County, Canary - DPR, Phone - Inspectors - Firm/Person Inspected
Labeling available at use site

Scope:
All registered pesticides.

3CCR 6602 –
A copy of the registered labeling that allows the manner in which the pesticide is being used shall be available at each use site.
**Labeling – Site/Rate/Other**

**Scope:**
All registered pesticide uses.

**FAC 12973 –**

The use of any pesticide shall not conflict with labeling registered pursuant to this chapter which is delivered with the pesticide or with any additional limitations applicable to the conditions of any permit issued by the director or commissioner.
Labeling-Site/Rate/Other

- Rate according to applicator for Garlon 3A
  - 6 ounces/4 gallons
- R-11
  - 5 ounces/4 gallons
Purple loosestrife

Lythrum salicaria

If using a backpack sprayer, a spray mixture containing 1% to 1.5% Garlon 3A or 5 to 7.6 fl. oz. of Garlon 3A per 4 gallons of water should be used. All Purple loosestrife plants should be thoroughly wetted.
Herbicide, Defoliants, Dessicants:
Use 6 to 48 fl. oz per 100 gallons of spray for most applications

Backpack or Hand Held Sprayers:
Use 1 to 2 tablespoons (1/2 to 1 fl. oz) per gallon of spray. The application rates should be as recommended on the manufacturers label.
Corrosive – causes irreversible eye damage...

PPE:
- Long sleeved shirt and pants
- Shoes plus socks
- Protective eyewear
- Chemical resistant gloves...

Signal Word: DANGER
### Labeling – PPE

**Scope:**
All persons handling registered pesticides FAC 12973 –

The use of any pesticide shall not conflict with labeling registered pursuant to this chapter which is delivered with the pesticide or with any additional limitations applicable to the conditions of any permit issued by the director or commissioner.

<table>
<thead>
<tr>
<th>PESTICIDE NAME / MANUFACTURER</th>
<th>LABEL REGISTRATION NUMBER</th>
<th>SIGNAL WORD</th>
<th>FORMULATION</th>
<th>RATE</th>
<th>DILUTION</th>
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</table>

**A. APPLICATION REQUIREMENTS:**

1. **PCB Licensed:**
   - Section: 11701
   - Compliance: Yes

2. **PCB Registered in County:**
   - Section: 11732
   - Compliance: No

3. **Labeling Available at Site:**
   - Section: 6534
   - Compliance: Yes

4. **Notice of Intent:**
   - Section: 6001
   - Compliance: Yes

5. **Certified Applicator Sup Rh:**
   - Section: 12973
   - Compliance: Yes

6. **Resistant/Resistant Corn:**
   - Section: 9766
   - Compliance: Yes

7. **Labeling - StopRate/Other:**
   - Section: 5749
   - Compliance: Yes

8. **Regulations - PPE:**
   - Section: 6792
   - Compliance: Yes

**COMPLIANCE ACTIONS:**

1. **Control/Remediation by:**
   - Yes

**Remarks:** Include a detailed description of noncompliance. When additional space is required, continue on Inspection Report / VN Supplement, PP-BFP-111.
Regulations - PPE

• 3CCR 6738
Scope: All employees handling any pesticide
When:
  – Required by labeling or regulation
  – Mixing or loading
  – Cleaning, adjusting or repairing equipment
  – Applying using hand-held, vehicle-mounted or towed equipment
  – Flagging
Employer Responsibilities

• (a) The employer shall:

• (1) Provide all required personal protective equipment, provide for its daily inspection and cleaning (according to pesticide labeling instructions or, absent any instructions, washed in detergent and hot water), and repair or replace any worn, damaged, or heavily contaminated personal protective equipment.
(b) The employer shall assure that:

(1) Employees wear protective eyewear when required by pesticide product labeling (except as expressly provided in this section) or when employees are engaged in:

(A) Mixing or loading except as provided in 6738(h);

(B) Adjusting, cleaning, or repairing, mixing, loading, or application equipment that contains pesticide in hoppers, tanks, or lines;

(C) Application by hand or using hand held equipment.

(2) Whenever protective eyewear is required, one of the following types of eyewear is worn:

(A) Safety glasses that provide front, and supplemental brow and temple protection (Common eyeglasses, including sunglasses, do not meet this requirement);

(B) Goggles;

(C) Face shield;

(D) Full face mask used in conjunction with respiratory protection.
(c) The employer shall assure that:

(1) Gloves are worn when required by the pesticide product labeling (except as expressly provided in this section) or (unless the pesticide product labeling specifies that gloves must not be worn), when employees are engaged in:

(A) Mixing or loading, except as provided in 6738(h);

(B) Adjusting, cleaning or repairing contaminated mixing, loading, or application equipment; and

(C) Application by hand or using hand-held equipment except when applying vertebrate pest control baits using long handled implements that avoid actual hand contact with the bait or potentially contaminated areas on equipment.

(2) If a specific type of glove is not specified on product labeling for the pesticide being handled, gloves made of rubber, neoprene, or other chemical resistant material that provides equivalent or better protection are used. Gloves or glove linings of leather, cotton, or other absorbent materials shall not be worn unless expressly permitted by pesticide product labeling. If chemical resistant gloves with sufficient durability and suppleness are not available, leather gloves may be worn over chemical resistant gloves liners. Once leather gloves have been used for this purpose, they shall not be worn in any other situation.
3CCR – 6738 Footwear

• (d) The employer shall assure that:

(1) When chemical resistant footwear is specified by the pesticide product labeling, one of the following types of footwear is worn:

• (A) Chemical resistant shoes;

• (B) Chemical resistant boots; or,

• (C) Chemical resistant coverings worn over boots or shoes.
Coveralls –
Scope:
Employees handling any pesticide with “DANGER” or “WARNING” on the labeling

3CCR 6736 –
(a) The employer shall provide coveralls for each employee who handles any pesticide with the signal word "DANGER" or "WARNING" on the label except as provided in 6738(h).
(b) The employer shall assure that:
(1) Employees start each work day wearing coveralls whenever they handle pesticides with the signal word "DANGER" or "WARNING";
(2) Employees change out of their coveralls and wash at the end of the work day;
(3) Potentially contaminated coveralls removed at the worksite or headquarters are not taken home by employees; and
(4) Employees whose work day does not involve return to the employer’s headquarters, remove and store potentially contaminated coveralls in a sealable container outside of their own living quarters for later return to the employer.
Handler – Training
Scope:
All employees who handle pesticides 3CCR 6724 –
Certified applicators are considered trained.
Decontamination Facility
Scope:
For all pesticides:
- Ag Production
- Non-Production and non-ag settings – employees handling pesticides with the signal word “DANGER”
Or “Warning”
3CCR 6734(a)(b)(d) –
3CCR-6734(a)(b)(d)

a) The employer shall assure that sufficient water, soap and single use towels for routine washing of hands and face and for emergency eye flushing and washing of the entire body are available for employees as specified in this section.
(1) This water shall be of a quality and temperature that will not cause illness or injury when it contacts the skin or eyes or if it is swallowed, and shall be stored separate from that used for mixing with pesticides unless the tank holding water for mixing with pesticides is equipped with appropriate valves to prevent back flow of pesticides into the water.
(2) One clean change of coveralls shall be available at each decontamination site.

(b) The decontamination site for employees handling pesticides for the commercial or research production of an agricultural plant commodity shall be at the mixing/loading site and not more than 1/4 mile (or at the nearest point of vehicular access) from other handlers, except that the decontamination site for pilots may be at the loading site regardless of distance from where the pilot is working.

The decontamination site shall not be in an area being treated or under a restricted entry interval unless:
(1) The handlers for whom the site is provided are working in that area being treated or under a restricted entry interval;
(2) The soap, towels, and extra change of coveralls are in an enclosed container; and
(3) The water is running tap water or enclosed in a container.

(d) The decontamination site for employees handling pesticides for uses other than the commercial or research production of an agricultural plant commodity shall be within 100 feet of the mixing/loading site when they are handling pesticides with the signal word "DANGER" or "WARNING" on the label.
Decontamination Facilities

• What does it need to have-
  – Sufficient water
  – Sufficient soap
  – Sufficient single use towels
  – One clean change of coveralls

• Where does it need to be-
  – Production plant agriculture
    • At the mixing and loading site and,
    • Within ¼ mile of each handler or at closest point of vehicular access
  – Non Production agriculture and non-agriculture settings
    • Within 100 feet of the mixing and loading site
Safe Equipment
Scope:
All equipment used by employees to apply or mix and load any pesticide.
3CCR 6742 (a)(b) –
This regulation covers the general safety and maintenance of equipment. Is everything in good condition?
Backflow prevention –
Air-gap
Scope:
All equipment that handles any pesticide and which draws water from an outside source.
3CCR 6610 –
All equipment must be equipped with a backflow prevention device when handling pesticides and drawing water directly from any outside source.

Exemptions:
Generally application equipment of 5 gallon capacity or less. A manual air-gap must be maintained.
Service Container Labeling
Scope:
All secondary containers used to store or transport dilute or concentrated mixtures of pesticides.

3CCR 6678 –

Service containers, other than those used by a person engaged in the business of farming when the containers are used on the property the person is farming, shall be labeled with:
(a) the name and address of the person or firm responsible for the container;
(b) the identity of the pesticide in the container; and
(c) the word "Danger," "Warning," or "Caution" in accordance with the label on the original container.
3CCR 6680 – Proper Containers

- In no case shall a pesticide be placed or kept in any container of a type commonly used for food, drink or household products
  - Never Use
    - Empty coffee cans, soda cans or bottles, cooking vessels
  - You can use
    - Generic plastic or glass bottles with no identifiable food or beverage labeling.
Accurate Measurement

Scope:
Weighing or measuring any concentrate pesticides
3CCR 6604 –

Concentrate pesticides shall be weighed or measured accurately using devices which are calibrated to the smallest unit in which the pesticide is being weighed or measured.
Wellhead Protection

Scope:
Any person mixing or loading any pesticides within 100 ft. of a well or applying any pre-emergent within 100 feet of a well

3CCR 6609 –
(a) Except as provided in subsection (b), the following activities shall be prohibited within 100 feet of a well (including domestic, municipal, agricultural, dry or drainage, monitoring, or abandoned wells):
1. mixing, loading, and storage of pesticides.
2. rinsing of spray equipment or pesticide containers.
3. maintenance of spray equipment that could result in spillage of pesticide residues on the soil.
4. application of preemergent herbicides.
(b) Wells shall not be subject to the requirements in (a) if they are:
1. sited so that runoff water from irrigation or rainfall does not move from the perimeter of the wellhead toward the wellhead and contact or collect around any part of the wellhead including the concrete pad or foundation; or
2. protected by a berm constructed of any material sufficient to prevent movement of surface runoff water from the perimeter of the wellhead to the wellhead.
(c) Application of preemergent herbicides shall be prohibited between the berm and the wellhead.
Application Inspection Time
3CCR 6614 – Protection of Persons, Animals, and Property

(a) An applicator prior to and while applying a pesticide shall evaluate the equipment to be used, meteorological conditions, the property to be treated and surrounding properties to determine the likelihood of harm or damage.

(b) Notwithstanding that substantial drift will be prevented, no pesticide application shall be made or continued when:

1. There is a reasonable possibility of contamination of the bodies or clothing of persons not involved in the application process;

2. There is a reasonable possibility of damage to nontarget crops, animals or other public or private property; or

3. There is a reasonable possibility of contamination of nontarget public or private property, including the creation of a health hazard, preventing normal use of such property. In determining a health hazard, the amount and toxicity of the pesticide, the type and uses of the property and related factors shall be considered.
Service Container Label

- Garlon3A
- Danger
- Responsible Party
Service Container Labeling

• All secondary containers used to store or transport dilute or concentrated mixtures of pesticides.
• 3CCR 6678 –

• Service containers, other than those used by a person engaged in the business of farming when the containers are used on the property the person is farming, shall be labeled with:
   (a) the name and address of the person or firm responsible for the container;
   (b) the identity of the pesticide in the container; and
   (c) the word "Danger," "Warning," or "Caution" in accordance with the label on the original container.
Headquarters Inspection
What you need

• Written training program
• Pesticide safety training records
• PSIS information series
• Pesticide labels and MSDS sheets
• Restricted material permits/Operator ID
• Emergency medical care planning
• Pesticide Use reports
• Pesticide storage areas
• PPE storage areas
**Working Safely With Pesticides in Non-Agricultural Settings**

California Department of Pesticide Regulations Website

http://www.cdpr.ca.gov/

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**Pesticide Handler Training Program**

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<tr>
<th>EMPLOYEE Name</th>
<th>EMPLOYEE Signature</th>
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<td>Date of Expiration</td>
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<tr>
<td>EMPLOYER Name</td>
<td>EMPLOYER Signature</td>
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<tr>
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<td>Date of Expiration</td>
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**Pesticide Safety Training Record**

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**Written Training Program**

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**Chemical Safety Information**

- **Chemical Name:**
- **Physical State:**
- **Chemical Identification:**
- **Chemical Uses:**
- **Accidental Release:**
- **Health Hazards:**
- **Precautionary Statements:**
- **Emergency Response:**
- **Disposal:**

---

**Hazards Information**

- **Chemical Hazards:**
- **Physical Hazards:**
- **Health Hazards:**
- **Environmental Hazards:**

---

**Appendix A**

- **References:**
- **Tables:**
- **Figures:**
- **Annexes:**