

# Regulations Update

2/9/2016



# Chlorpyrifos

- Became a CA Restricted Material 7/2015 when used in production agriculture
- Check your pesticide storage-make sure it is on your permit
- Common product names: Dursban, Lorsban, Hatchet, Eraser, Govern, Nufos, Warhawk, Whirlwind
- Falls under the Dormant Insecticide Spray Requirements
- Is an Organophosphate pesticide that can keep a human enzyme from working

# Chlorpyrifos Permit Conditions

- Minimum setbacks from sensitive sites:
  - Using Ground Boom 25 feet
  - Using Airblast Sprayer 50 feet

**Aquatic Site requires 100 foot buffer if Dormant application**
- Minimum wind speed 3 mph and not more than 10 mph at height of 4 ft.
- Spray outside row from outside in, shutting off nozzles on other side of sprayer
- Shut off top nozzles when treating smaller trees, vines or bushes

# Closed Mixing Systems (New Regs effective 1/1/2016)

When is the use of a closed system required by employees?

# Amendment to section 6188

## 6188. Closed Mixing System Compatibility

The signal word “DANGER” alone is no longer a trigger word for liquid pesticides handled by employees

Instead refer to the Human Hazard and Precautionary Statements on the label

# Amendment to section 6188

Triggering Language on the Label Statement for liquid pesticide products or adjuvants:

"Fatal if absorbed through skin"

"May be fatal if absorbed through skin"

"Corrosive, causes skin damage"

or other comparable language labeled for any use for the production of for an agricultural use commodity

# Amendment to Section 6744

Closed Systems now fall under either a “Tier 1” or “Tier 2” standard

**“Tier 1”** liquid pesticides or adjuvants bearing the statement *“Fatal if absorbed through skin”* or comparable language shall use a closed mixing system that can:

- 1) Enclose the pesticide while removing the contents from the original container and
- 2) Rinse and drain the container while still connected to the closed mixing system

## Section 6744 continued

**“Tier 2”** liquid pesticides or adjuvants bearing the statement *“May be fatal if absorbed through skin”* or *“Corrosive, causes skin damage”* or comparable language shall use a closed system that can:

- 1) Remove the contents from its original container



# Amendment to section 6188

## Examples from actual agricultural use labels:

### PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS & DOMESTIC ANIMALS

##### CAUTION

Harmful if swallowed, absorbed through the skin, or inhaled. Avoid breathing spray mist. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

“CAUTION. Harmful if swallowed, absorbed through the skin, or inhaled.”

# Amendment to section 6188

Examples from actual agricultural use labels:

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS & DOMESTIC ANIMALS

#### CAUTION

Harmful if swallowed, absorbed through the skin, or inhaled. Avoid breathing spray mist. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

No Closed Mixing System required

# Amendment to section 6188

## Examples from actual agricultural use labels:

---

### Precautionary Statements

---

#### Hazard to Humans and Domestic Animals

## **DANGER**

**Corrosive • Causes Irreversible Eye Damage • Harmful If Swallowed Or Absorbed Through Skin • Prolonged Or Frequently Repeated Skin Contact May Cause Allergic Reaction In Some Individuals**

**Do not get in eyes or on skin or clothing.**

“DANGER. Corrosive. Causes irreversible eye damage. Harmful if swallowed or absorbed through the skin.”

# Amendment to section 6188

Examples from actual agricultural use labels:

---

## Precautionary Statements

---

Hazard to Humans and Domestic Animals

### **DANGER**

Corrosive • Causes Irreversible Eye Damage • Harmful If Swallowed  
Or Absorbed Through Skin • Prolonged Or Frequently Repeated Skin  
Contact May Cause Allergic Reaction In Some Individuals

Do not get in eyes or on skin or clothing.

Tier 2 Closed Mixing System required

# Amendment to section 6188

## Examples from actual agricultural use labels:

### **PRECAUTIONARY STATEMENTS**

#### **Hazards to Humans and Domestic Animals**

**DANGER:** Fatal if swallowed, inhaled, or absorbed through skin. Corrosive. Causes irreversible eye damage. Do not get in eyes, on skin or on clothing. Do not breathe vapor or spray mist. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Wear appropriate protective clothing listed below. Remove and wash contaminated clothing before reuse.

Do not contaminate food or feed. Keep out of reach of domestic animals. Food utensils such as measuring cups must not be used for food purposes after use in measuring pesticides.

“DANGER. Fatal if swallowed, inhaled, or absorbed through skin. Corrosive.”

# Amendment to section 6188

## Examples from actual agricultural use labels:

### **PRECAUTIONARY STATEMENTS**

#### **Hazards to Humans and Domestic Animals**

**DANGER:** Fatal if swallowed, inhaled, or absorbed through skin. Corrosive. Causes irreversible eye damage. Do not get in eyes, on skin or on clothing. Do not breathe vapor or spray mist. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Wear appropriate protective clothing listed below. Remove and wash contaminated clothing before reuse.

Do not contaminate food or feed. Keep out of reach of domestic animals. Food utensils such as measuring cups must not be used for food purposes after use in measuring pesticides.

## Tier 1 Closed Mixing System required

# Amendment to section 6746

## Closed Mixing Systems Requirement

The employer shall:

“...assure employees use an appropriate closed mixing system...”

“...assure employees operating a closed mixing system are trained in its use...and operate the closed mixing system in accordance with its written operating instructions.”

## Requirements-continued

- Protective eyewear must be worn during use of a closed mixing system
- All personal protective equipment required by label, regulations or permit conditions must be at the worksite during operation of the closed mixing system
- Note: the updated Pesticide Safety Information Series has **not** been updated for these regulations yet



# Updates to the Personal Protective Equipment Regulations

Purpose of changes:

- Clarify PPE requirements
- Reorganize in a more logical format
- Align with U.S. EPA guidelines

# Amendment to section 6738

## Personal Protective Equipment Care

- This section now only includes employer responsibilities for PPE care
- Requires employers to provide all PPE required by label, regulation and permit conditions
- PPE storage area must be pesticide free and clean

# New section 6738.1

## **Personal Protective Equipment Use**

Consolidates existing requirements for when employees must wear PPE:

- Explains when Protective eyewear, chemical- resistive gloves, footwear, hoods, apron and suits are needed.
- Explains that employees need to wear coveralls when handling “Danger” or “Warning” labeled pesticides

# New Section 6738.2

## Selection of Protective Eyewear

- Employer shall assure that appropriate protective eyewear, providing brow and temple protection that conforms to the curvature of the face and side protection to the eyes, is worn when use is required.
- Protective eyewear must meet ANSI Z87.1 impact standards

## **New: 6738.3 Selection of Gloves**

- Sets standards for glove types
- Lists the 8 categories of gloves: A-H
- All barrier materials must be 14 mils or thicker (with a few exceptions)
- Flocked gloves are prohibited
- Separable, disposable glove liners may be worn unless prohibited by the label
- Leather gloves may be worn over chemical-resistant gloves (can only be used this way from then on)

# New: 6738.4 Personal Protective Equipment Exemptions

Consolidates existing exemptions and substitutions for required personal protective equipment

- Organized into subsections based on the exempt PPE combinations
- All exempted PPE must be present and available for use at the worksite and stored in chemically-resistant containers

# 6739 Respiratory Protection

Emergency-use or second respirators must be checked just prior to each use to ensure that the air cylinders are maintained at 100% of manufacturer's recommended capacity



**DANGER / POISON**  
**PELIGRO**

May be fatal if swallowed. Fatal if inhaled. Do not breathe spray mist. Wear a dust mist NIOSH-approved respirator with any N, R, P, or HE filter. Causes substantial but temporary eye injury. Wear protective eyewear (face shield required when mixing/loading). Harmful if absorbed through skin. Do not get in eyes, on skin, or on clothing. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

### Hazards to Humans and Domestic Animals

**CAUTION.** Harmful if swallowed. Avoid breathing spray mist. Avoid contact with eyes, skin, and clothing.



**WARNING**

Flammable liquid and vapor. Causes serious eye irritation. Harmful if swallowed.

### PRECAUTIONARY STATEMENTS

Keep away from heat, sparks, open flames and hot surfaces. No smoking. Keep container tightly closed. Use explosion-proof electrical equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wear rubber or chemical resistant gloves and eye and face protection. Wash thoroughly with soap and water after handling. Do not eat, drink, or smoke when using this product.

**This is why you always, always, always read the label before you apply.**

### Personal Protective Equipment (PPE)

Applicators and other handlers (other than Mixers and Loaders) must wear:

- Long-sleeve shirt and long pants
- Shoes plus socks
- Protective eyewear
- Chemical Resistant Gloves - Category A (e.g. barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, natural rubber, polyethylene, polyvinyl chloride (PVC) or Viton®)
- A dust mist NIOSH-approved respirator with any N, R, P, or HE filter

### Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of any waterproof material
- Shoes plus socks
- Protective eyewear

Follow the manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

### Engineering Controls Statement

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

If in doubt, call the friendly biologists at the Agriculture Department!



# Questions?



El Dorado County Department  
of Agriculture  
(530) 621-5520  
[eldcag@edcgov.us](mailto:eldcag@edcgov.us)