3 CCR §6724 Pesticide Handler Training

By Frankie Leon

“Handling a pesticide” means:

- Mixing, loading, transferring, applying (including chemigation) or assisting with the application (including flagging) of Pesticides.
- Maintaining, servicing, repairing, cleaning, or handling equipment that may contain pesticide residues.
- Working with opened (including emptied but not rinsed) containers of pesticides.
- Adjusting, repairing, or removing treatment site coverings.
- Incorporating (by mechanical or watered-in means) pesticides into the soil.

“Handling a pesticide” definition continued:

- Entering a treated area during any application or before the inhalation exposure level listed on pesticide product labeling has been reached or greenhouse ventilation criteria have been met.

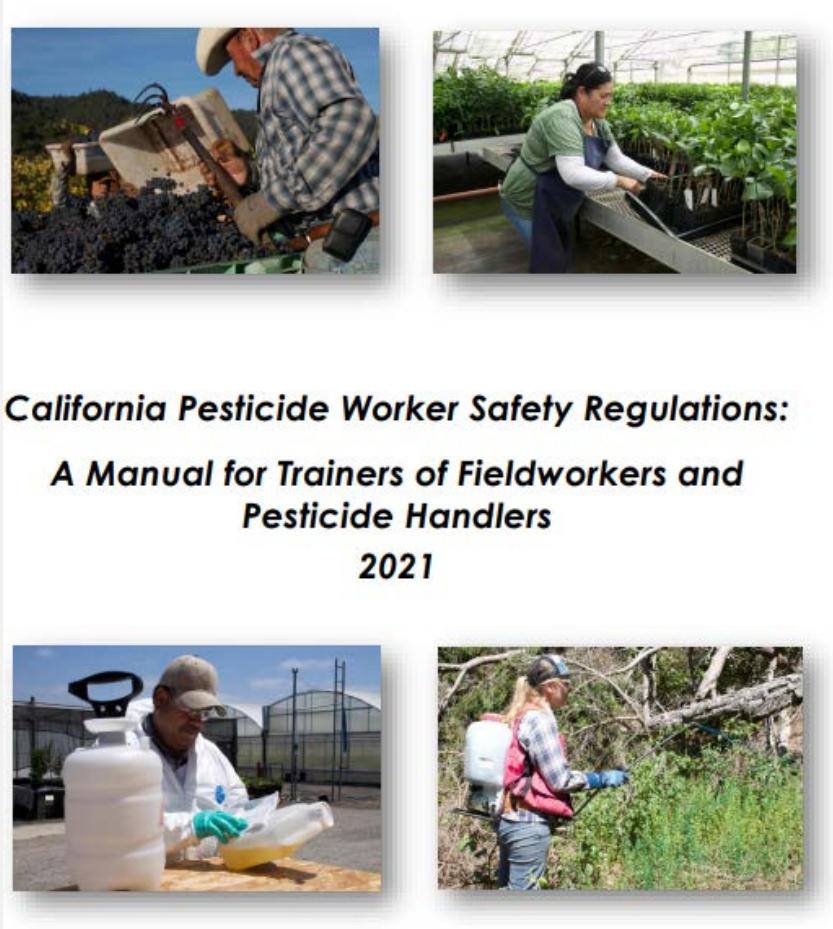
- Performing the duties of a crop advisor, including field checking or scouting, making observations of the well-being of plants, or taking samples during an application or any restricted entry interval or entry restricted period listed on pesticide product labeling.

- Other handling activities specified by the label.

6724. Handler Training (a-f)

- The **employer** shall assure that **employees who handle pesticides have been trained pursuant** to the requirements of this section and that all other provisions of this section have been complied with for employees who handle pesticides.

6724. Handler Training (a-f)



https://www.cdpr.ca.gov/docs/whs/trainers/t2_manual.pdf

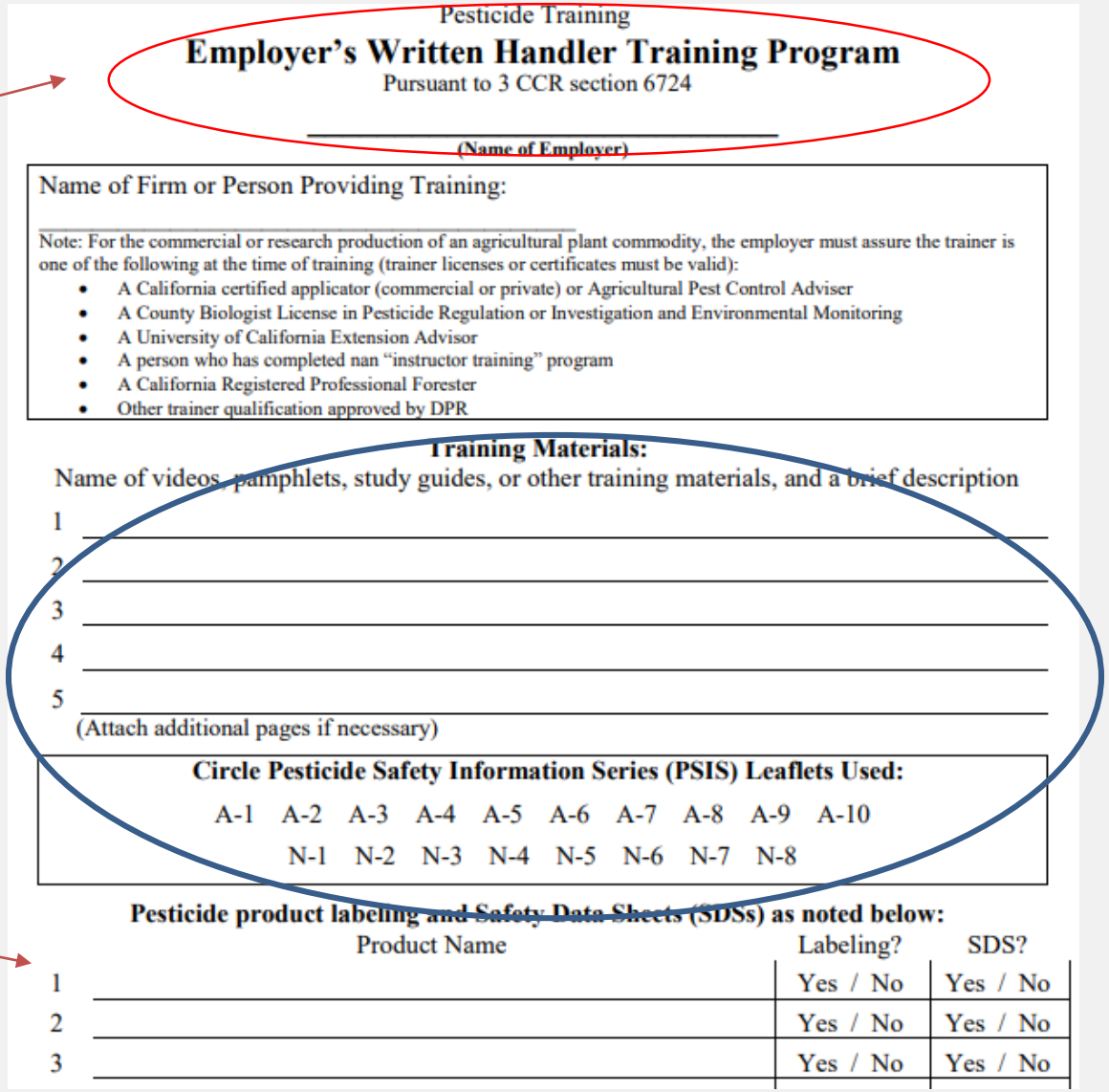
ADDITIONAL EMPLOYER RESPONSIBILITIES	Fieldworkers	Handlers	WHERE TO FIND MORE INFORMATION
24. How to recognize, prevent and provide first aid treatment for heat-related illness, in accordance with Cal/OSHA standards (8 CCR Section 3395).	✓	✓	Chapter 4, p. 63 Chapter 5, p. 96
PESTICIDE LABEL INFORMATION	**Fieldworkers**	**Handlers**	**WHERE TO FIND MORE INFORMATION**
25. Format and meaning of information contained on pesticide labels and in labeling applicable to the safe use of pesticides.		✓	Chapter 5, p. 66
26. Handlers must follow the portions of the label related to the safe use of pesticides.		✓	Chapter 5, p. 73-77
PROTECTING PEOPLE AND THE ENVIRONMENT WHEN USING PESTICIDES	**Fieldworkers**	**Handlers**	**WHERE TO FIND MORE INFORMATION**
27. Information on proper application and use of pesticides.		✓	Chapter 5, p. 76, 115
28. The responsibility of employers to post for treated areas as required by the California Pesticide Worker Safety Regulations (3CCR).		✓	Chapter 5, p. 113-115
29. It is the applicator's responsibility to protect persons, animals, and property from harm while applying pesticides. Stop or delay pesticide applications that could result in contact with persons not involved in the application process.		✓	Chapter 5, p. 107
30. Environmental concerns when handling pesticides, such as drift, runoff, and wildlife hazards.		✓	Chapter 5, p. 107

6724. Handler Training (a)

- The employer shall have a written training program.
- The training program shall describe the materials and information that will be provided and used to train his or her employees
- Identify the person or firm that will provide the training.
- The training program shall address each of the subjects specified in subsection (b) that is applicable to the specific pesticide handling situation.
- The employer shall maintain a copy of the training program while in use and for two years after use, at a central location at the workplace.

6724. Handler Training (a)

- Written Training Program
- Training material and description
- Firm or person providing training
- Keep training program for 2 years at a central location at the workplace
- What Pesticide labels used



Pesticide Training

Employer's Written Handler Training Program

Pursuant to 3 CCR section 6724

_____

(Name of Employer)

Name of Firm or Person Providing Training:

_____

Note: For the commercial or research production of an agricultural plant commodity, the employer must assure the trainer is one of the following at the time of training (trainer licenses or certificates must be valid):

- A California certified applicator (commercial or private) or Agricultural Pest Control Adviser
- A County Biologist License in Pesticide Regulation or Investigation and Environmental Monitoring
- A University of California Extension Advisor
- A person who has completed nan "instructor training" program
- A California Registered Professional Forester
- Other trainer qualification approved by DPR

Training Materials:

Name of videos, pamphlets, study guides, or other training materials, and a brief description

1 _____

2 _____

3 _____

4 _____

5 _____

(Attach additional pages if necessary)

Circle Pesticide Safety Information Series (PSIS) Leaflets Used:

A-1 A-2 A-3 A-4 A-5 A-6 A-7 A-8 A-9 A-10

N-1 N-2 N-3 N-4 N-5 N-6 N-7 N-8

Pesticide product labeling and Safety Data Sheets (SDSs) as noted below:

	Product Name	Labeling?	SDS?
1		Yes / No	Yes / No
2		Yes / No	Yes / No
3		Yes / No	Yes / No

6724. Handler Training (b)

Pesticide Training

Employer's Written Handler Training Program (continued)

Pursuant to 3 CCR section 6724

_____

(Name of Employer)

This WRITTEN PROGRAM went into effect on (date): _____

This WRITTEN PROGRAM was retired on (date): _____

- A copy of the training program must be maintained while in use and for two years after use, at a central location at the workplace.
- Employee training shall be in a manner the employee can understand, be conducted pursuant to this written training program, and include response to questions.
- Training shall be completed before the employee is allowed to handle pesticides, continually updated to cover any new pesticides that will be handled or training topics to be covered, and repeated at least annually thereafter.
- Training for employees handling pesticides used for the commercial or research production of an agricultural commodity must be at a location reasonably free from distraction and trainers must be present throughout the entire presentation.

The following topics are applicable to my employees handling pesticides and are covered in initial and annual training for each pesticide or chemically-similar group of pesticides handled:

Circle if applicable	Training Topic
Yes No	Format and meaning of information, such as precautionary statements about human health hazards, contained in pesticide product labeling
Yes No	Applicator's responsibility to protect persons, animals, and property while applying pesticides; and not to apply pesticides in a manner that results in contact with persons not involved in the application process
Yes No	Need for, limitations, appropriate use, removal, and sanitation of any required personal protective equipment
Yes No	Safety requirements and procedures, including engineering controls (such as closed mixing systems and enclosed cabs) for handling, transporting, storing, disposing of pesticides, and spill clean-up
Yes No	Where and in what forms pesticides may be encountered, including treated surfaces, residues on clothing, personal protective equipment, application equipment, and drift
Yes No	Hazards of pesticides, including acute, chronic, and delayed effects, and sensitization effects, as identified in pesticide product labeling, Safety Data Sheets, or Pesticide Safety Information Series leaflets
Yes No	Routes by which pesticides can enter the body
Yes No	Signs and symptoms of overexposure
Yes No	Routine decontamination procedures when handling pesticides, including that employees should: A. Wash hands before eating, drinking, using the toilet, chewing gum, or using tobacco; B. Thoroughly wash or shower with soap and water; C. Change into clean clothes as soon as possible; and D. Wash work clothes separately from other laundry before wearing them again.

Continued on next page

Pesticide Training

Employer's Written Handler Training Program (continued)

Pursuant to 3 CCR section 6724

_____

(Name of Employer)

Circle if applicable	Training Topic
Yes No	How Safety Data Sheets provide hazard, emergency medical treatment, and other information about the pesticides with which employees may come in contact
Yes No	The hazard communication program requirements of section 6723
Yes No	The purposes and requirements for medical supervision if organophosphate or carbamate pesticides with the signal word "DANGER" or "WARNING" on the labeling are mixed, loaded, or applied for the commercial or research production of an agricultural plant commodity
Yes No	First aid and emergency decontamination procedures and emergency eye flushing techniques; and if pesticides are spilled or sprayed on the body to wash immediately with decontamination supplies and as soon as possible, wash or shower with soap and water and change into clean clothes
Yes No	How and when to obtain emergency medical care
Yes No	Prevention, recognition, and first aid for heat-related illness in accordance with Title 8 of the California Code of Regulations, section 3395
Yes No	Requirements of Title 3, California Code of Regulations, Division 6, Chapters 3 and 4 relating to pesticide safety, Safety Data Sheets, and Pesticide Safety Information Series leaflets
Yes No	The requirement that handlers of pesticides used in the commercial or research production of an agricultural commodity must be at least 18 years of age
Yes No	Environmental concerns such as drift, runoff, and wildlife hazards
Yes No	Field posting requirements and restricted entry intervals when pesticides are applied for the commercial or research production of an agricultural commodity
Yes No	That employees should not take pesticides or pesticide containers home from work
Yes No	Potential hazards to children and pregnant women from pesticide exposures, including: A. Keeping children and nonworking family members away from treated areas; B. After handling pesticides, employees should remove boots or shoes before entering the home and remove work clothes; and C. Employees should wash or shower before physical contact with children or family members.
Yes No	How to report suspected pesticide use violations
Yes No	The employee's rights, including the right: A. To personally receive information about pesticides to which he or she may be exposed; B. For his or her physician or an employee representative designated in writing to receive information about pesticides to which he or she may be exposed; C. To be protected against retaliatory action due to the exercise of any of his or her rights; and D. To report suspected use violations to the Department or county agricultural commissioner.

6724. Handler Training (b)

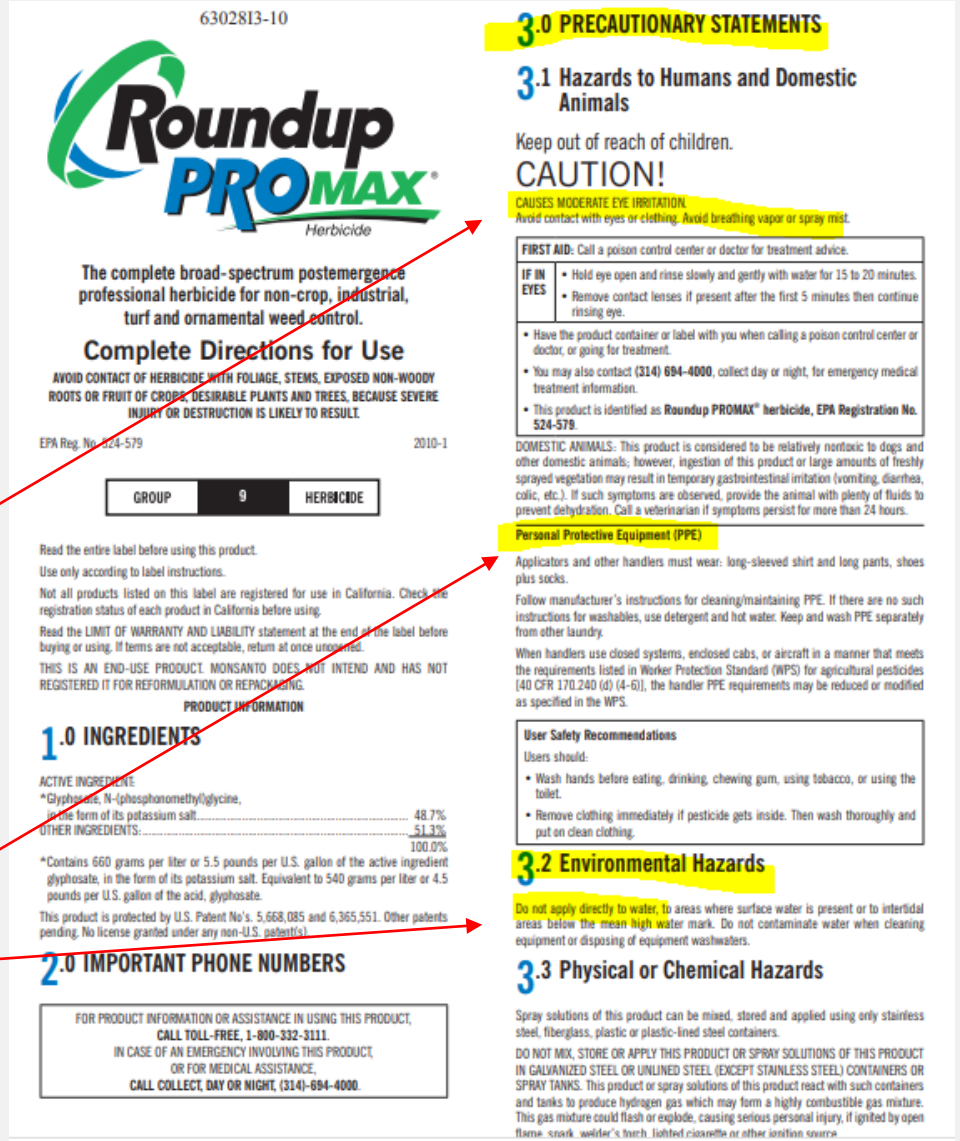
California Pesticide Worker Safety Regulations: A Manual for Trainers of Fieldworkers and Pesticide Handlers 2021

ADDITIONAL EMPLOYER RESPONSIBILITIES	Fieldworkers	Handlers	WHERE TO FIND MORE INFORMATION
24. How to recognize, prevent and provide first aid treatment for heat-related illness, in accordance with Cal/OSHA standards (8 CCR Section 3395).	✓	✓	**Chapter 4, p. 63** **Chapter 5, p. 96**
PESTICIDE LABEL INFORMATION	**Fieldworkers**	**Handlers**	**WHERE TO FIND MORE INFORMATION**
25. Format and meaning of information contained on pesticide labels and in labeling applicable to the safe use of pesticides.		✓	**Chapter 5, p. 66**
26. Handlers must follow the portions of the label related to the safe use of pesticides.		✓	**Chapter 5, p. 73-77**
PROTECTING PEOPLE AND THE ENVIRONMENT WHEN USING	**Fieldworkers**	**Handlers**	**WHERE TO FIND MORE INFORMATION**

6724. Handler Training (b)

- (b) The training shall cover, for each pesticide or chemically similar group of pesticides, to be used:
  - (1) Format and meaning of information, such as precautionary statements about human health hazards, contained in pesticide product labeling;

Causes Moderate Eye irritation,
Required PPE, Long Sleeved shirt, long pants, shoes, socks
Do not apply directly to water



63028I3-10

Roundup PROMAX® Herbicide

The complete broad-spectrum postemergence professional herbicide for non-crop, industrial, turf and ornamental weed control.

Complete Directions for Use

AVOID CONTACT OF HERBICIDE WITH FOLIAGE, STEMS, EXPOSED NON-WOODY ROOTS OR FRUIT OF CROPS, DESIRABLE PLANTS AND TREES, BECAUSE SEVERE INJURY OR DESTRUCTION IS LIKELY TO RESULT.

EPA Reg. No. 524-579 2010-1

GROUP	9	HERBICIDE

Read the entire label before using this product.

Use only according to label instructions.

Not all products listed on this label are registered for use in California. Check the registration status of each product in California before using.

Read the LIMIT OF WARRANTY AND LIABILITY statement at the end of the label before buying or using. If terms are not acceptable, return at once unopened.

THIS IS AN END-USE PRODUCT. MONSANTO DOES NOT INTEND AND HAS NOT REGISTERED IT FOR REFORMULATION OR REPACKAGING.

PRODUCT INFORMATION

1.0 INGREDIENTS

ACTIVE INGREDIENT:	
*Glyphosate, N-(phosphonomethyl)glycine, in the form of its potassium salt	48.7%
OTHER INGREDIENTS:	51.3%
	100.0%

*Contains 660 grams per liter or 5.5 pounds per U.S. gallon of the active ingredient glyphosate, in the form of its potassium salt. Equivalent to 540 grams per liter or 4.5 pounds per U.S. gallon of the acid, glyphosate.

This product is protected by U.S. Patent No's. 5,668,085 and 6,365,551. Other patents pending. No license granted under any non-U.S. patent(s).

2.0 IMPORTANT PHONE NUMBERS

FOR PRODUCT INFORMATION OR ASSISTANCE IN USING THIS PRODUCT, CALL TOLL-FREE, 1-800-332-3111.
IN CASE OF AN EMERGENCY INVOLVING THIS PRODUCT, OR FOR MEDICAL ASSISTANCE, CALL COLLECT, DAY OR NIGHT, (314)-694-4000.

3.0 PRECAUTIONARY STATEMENTS

3.1 Hazards to Humans and Domestic Animals

Keep out of reach of children.

CAUTION!

CAUSES MODERATE EYE IRRITATION.
Avoid contact with eyes or clothing. Avoid breathing vapor or spray mist.

FIRST AID: Call a poison control center or doctor for treatment advice.	
IF IN EYES	• Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. • Remove contact lenses if present after the first 5 minutes then continue rinsing eye.

- Have the product container or label with you when calling a poison control center or doctor, or going for treatment.
- You may also contact (314) 694-4000, collect day or night, for emergency medical treatment information.
- This product is identified as Roundup PROMAX® herbicide, EPA Registration No. 524-579.

DOMESTIC ANIMALS: This product is considered to be relatively nontoxic to dogs and other domestic animals; however, ingestion of this product or large amounts of freshly sprayed vegetation may result in temporary gastrointestinal irritation (vomiting, diarrhea, colic, etc.). If such symptoms are observed, provide the animal with plenty of fluids to prevent dehydration. Call a veterinarian if symptoms persist for more than 24 hours.

Personal Protective Equipment (PPE)

Applicators and other handlers must wear: long-sleeved shirt and long pants, shoes plus socks.

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

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in 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.

User Safety Recommendations

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

3.2 Environmental Hazards

Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment washwaters.

3.3 Physical or Chemical Hazards

Spray solutions of this product can be mixed, stored and applied using only stainless steel, fiberglass, plastic or plastic-lined steel containers.

DO NOT MIX, STORE OR APPLY THIS PRODUCT OR SPRAY SOLUTIONS OF THIS PRODUCT IN GALVANIZED STEEL OR UNLINED STEEL (EXCEPT STAINLESS STEEL) CONTAINERS OR SPRAY TANKS. This product or spray solutions of this product react with such containers and tanks to produce hydrogen gas which may form a highly combustible gas mixture. This gas mixture could flash or explode, causing serious personal injury, if ignited by open flame, spark, welder's torch, lighted cigarette or other ignition source.

6724. Handler Training (b)

(2) Applicator's responsibility to protect persons, animals, and property while applying pesticides; and not to apply pesticides in a manner that results in contact with persons not involved in the application process;

6724. Handler Training (b)

(3) Need for, limitations, appropriate use, removal, and sanitation, of, any required personal protective equipment;

6724. Handler Training (b)

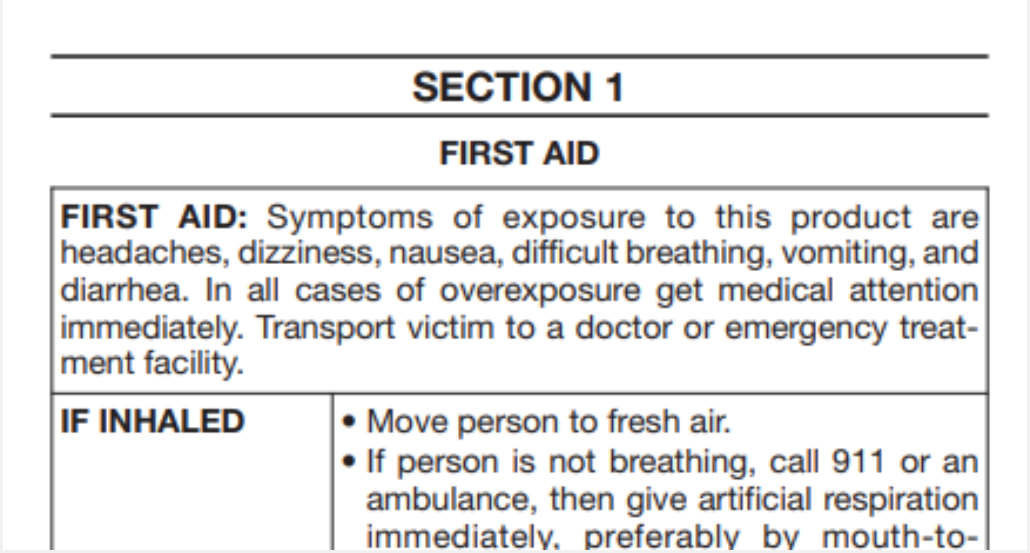
(4) Safety requirements and procedures, including engineering controls (such as closed mixing systems and enclosed cabs) for handling, transporting, storing, disposing of pesticides, and spill clean-up;

6724. Handler Training (b)

(5) Where and in what forms pesticides may be encountered, including treated surfaces, residues on clothing, personal protective equipment, application equipment, and drift

6724. Handler Training (b)

(6) Hazards of pesticides, including acute, chronic, and delayed effects, and sensitization effects, as identified in pesticide product labeling, Safety Data Sheets, or Pesticide Safety Information Series leaflets



SECTION 1

FIRST AID

FIRST AID: Symptoms of exposure to this product are headaches, dizziness, nausea, difficult breathing, vomiting, and diarrhea. In all cases of overexposure get medical attention immediately. Transport victim to a doctor or emergency treatment facility.	
IF INHALED	• Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration immediately, preferably by mouth-to-

- Acute- are immediate injuries from a single exposure
  - Nausea, headache, red or watery eyes, difficult breathing, etc…
- Chronic- illnesses or injuries persist for long periods of time
  - Cancer, fertility issues, blindness, skin disorders, etc…
- Sensitization- development of allergies to pesticide

PESTICIDE SAFETY Information

dpr

CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY

A No. 8

Safety Rules for Pesticide Handlers in Agricultural Settings

The pesticide label, your training, and the Pesticide Safety Information Series (PSIS) leaflets tell you about pesticide dangers at work. To handle pesticides in agriculture (on farms, forests, nurseries or greenhouses) you must be at least 18 years old.

Your employer must teach you how to use pesticides safely and how to protect yourself when you use them. Pesticides are chemicals that are used to control pests: unwanted insects, predatory animals, rodents, weeds, and plant diseases. Spray adjuvants are also pesticides under California law.

EMERGENCY MEDICAL CARE

Your employer must make plans for emergency medical care before you start working with pesticides. If you think that pesticides made you sick or hurt you at work, immediately tell your employer. They must make sure that you are taken to a doctor right away. **DO NOT TAKE YOURSELF.**

Emergency medical care is available at:

NAME: _____

ADDRESS: _____

TELEPHONE: _____

If more space is needed, your employer may attach a list of medical facilities to this leaflet and write, "See attached list" in the above space. If this information changes, your employer must update it within 24 hours.

REMEMBER: You DO NOT have to pay for medical care if you get sick or hurt from pesticides at work.

EMPLOYERS: This is the hazard communication leaflet for pesticide handlers. Fill in the blank lines in this leaflet and display a copy of this handout at a central location in the workplace (such as an employee break room). This leaflet must also be posted at all permanent decontamination facilities and decontamination facilities serving 11 or more handlers. If requested, you must read this leaflet to an employee in a language the employee understands.

CA Department of Pesticide Regulation • 1001 I Street, Sacramento CA 95814

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6724. Handler Training (b)

(7) Routes by which pesticides can enter the body;

mouth (ingestion)

nose (Inhalation)

Skin (Dermal)

eyes (Ocular)

6724. Handler Training (b)

(8) Signs and symptoms of overexposure;

Nausea

Dizziness

Sweaty Skin

Headache

Pinpoint Pupils

Shortness of Breath

6724. Handler Training (b)

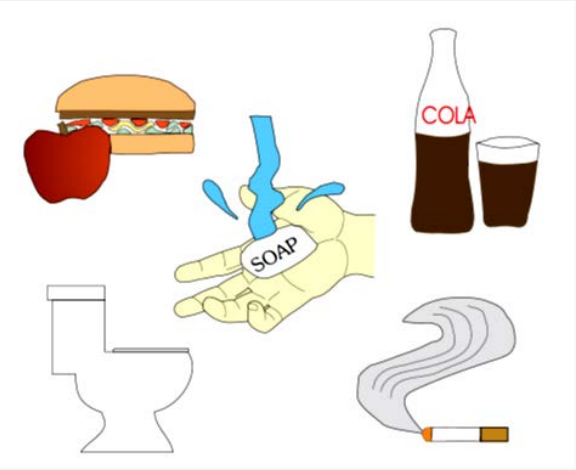
(9) Routine decontamination procedures when handling pesticides, including that employees should:

(A) Wash hands before eating, drinking, using the toilet, chewing gum, or using tobacco;

(B) Thoroughly wash or shower with soap and water;

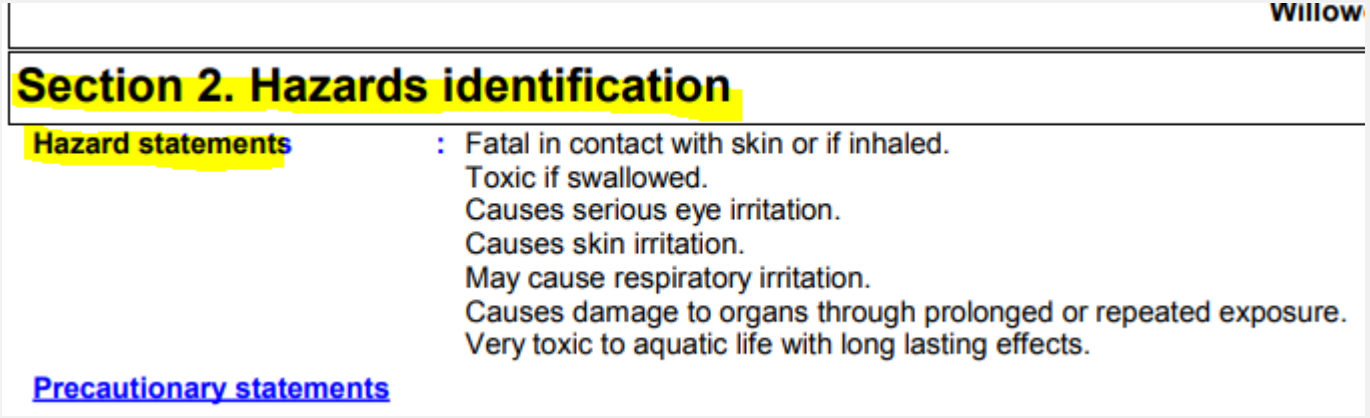
(C) Change into clean clothes as soon as possible; and

(D) Wash work clothes separately from other laundry before wearing again



6724. Handler Training (b)

(10) How Safety Data Sheets provide hazard, emergency medical treatment, and other information about the pesticides with which employees may come in contact;

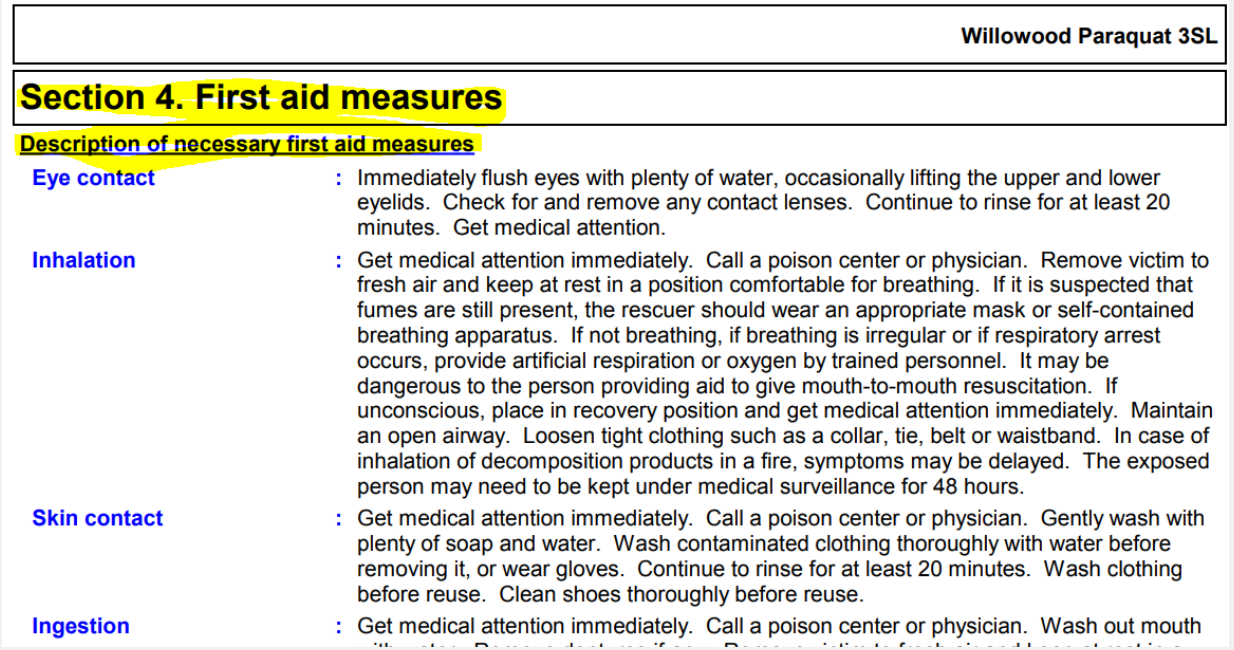


Willow

Section 2. Hazards identification

Hazard statements : Fatal in contact with skin or if inhaled.
Toxic if swallowed.
Causes serious eye irritation.
Causes skin irritation.
May cause respiratory irritation.
Causes damage to organs through prolonged or repeated exposure.
Very toxic to aquatic life with long lasting effects.

Precautionary statements



Willowood Paraquat 3SL

Section 4. First aid measures

Description of necessary first aid measures

Eye contact : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 20 minutes. Get medical attention.

Inhalation : Get medical attention immediately. Call a poison center or physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

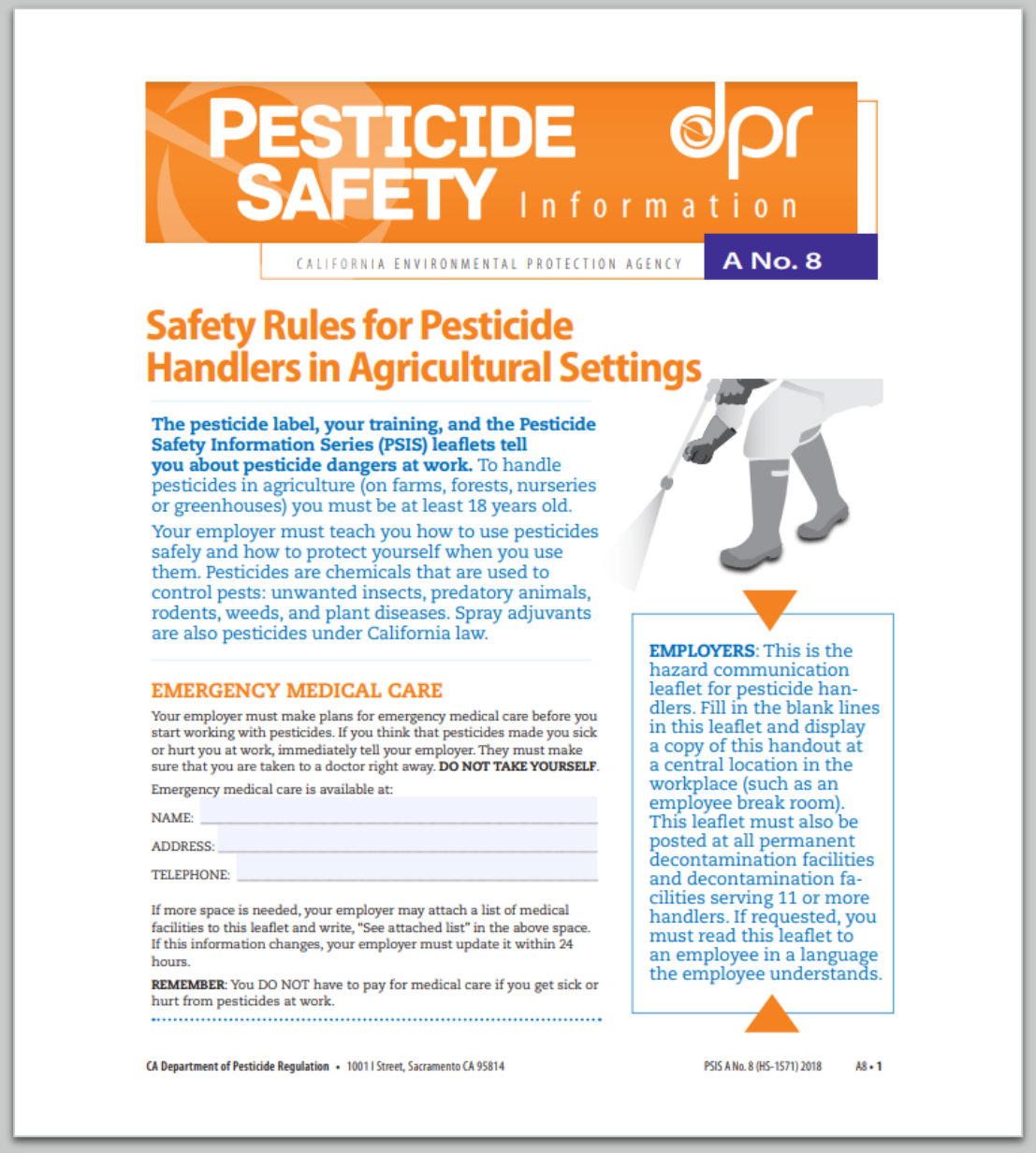
Skin contact : Get medical attention immediately. Call a poison center or physician. Gently wash with plenty of soap and water. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 20 minutes. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Ingestion : Get medical attention immediately. Call a poison center or physician. Wash out mouth

6724. Handler Training (b)

(11) The hazard communication program requirements of section 6723;

- Inform handler employees where Hazard Communication information is located
- Pesticide Safety Information Series
- Safety Data Sheet
- Pesticide use records
- Safety posters
- Restricted entry interval information
- Application specific information display



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A No. 8

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Your employer must teach you how to use pesticides safely and how to protect yourself when you use them. Pesticides are chemicals that are used to control pests: unwanted insects, predatory animals, rodents, weeds, and plant diseases. Spray adjuvants are also pesticides under California law.

EMERGENCY MEDICAL CARE

Your employer must make plans for emergency medical care before you start working with pesticides. If you think that pesticides made you sick or hurt you at work, immediately tell your employer. They must make sure that you are taken to a doctor right away. **DO NOT TAKE YOURSELF.**

Emergency medical care is available at:

NAME: _____

ADDRESS: _____

TELEPHONE: _____

If more space is needed, your employer may attach a list of medical facilities to this leaflet and write, "See attached list" in the above space. If this information changes, your employer must update it within 24 hours.

REMEMBER: You DO NOT have to pay for medical care if you get sick or hurt from pesticides at work.

EMPLOYERS: This is the hazard communication leaflet for pesticide handlers. Fill in the blank lines in this leaflet and display a copy of this handout at a central location in the workplace (such as an employee break room). This leaflet must also be posted at all permanent decontamination facilities and decontamination facilities serving 11 or more handlers. If requested, you must read this leaflet to an employee in a language the employee understands.

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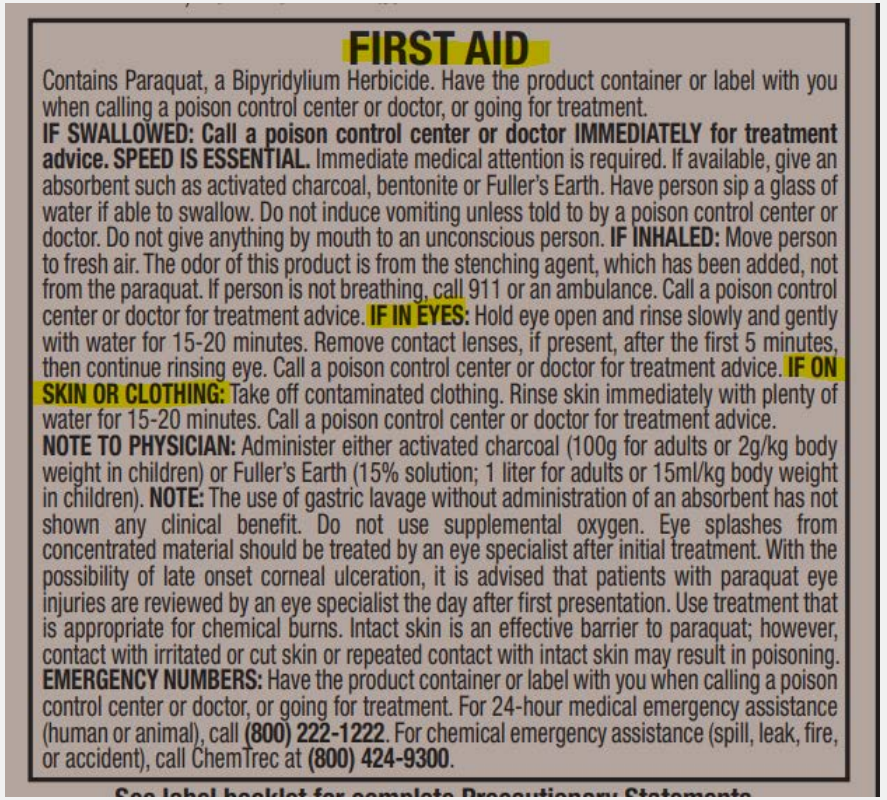


FIRST AID

Contains Paraquat, a Bipyridylium Herbicide. Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

IF SWALLOWED: Call a poison control center or doctor IMMEDIATELY for treatment advice. SPEED IS ESSENTIAL. Immediate medical attention is required. If available, give an absorbent such as activated charcoal, bentonite or Fuller's Earth. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor. Do not give anything by mouth to an unconscious person. **IF INHALED:** Move person to fresh air. The odor of this product is from the stenching agent, which has been added, not from the paraquat. If person is not breathing, call 911 or an ambulance. Call a poison control center or doctor for treatment advice. **IF IN EYES:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice. **IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

NOTE TO PHYSICIAN: Administer either activated charcoal (100g for adults or 2g/kg body weight in children) or Fuller's Earth (15% solution; 1 liter for adults or 15ml/kg body weight in children). **NOTE:** The use of gastric lavage without administration of an absorbent has not shown any clinical benefit. Do not use supplemental oxygen. Eye splashes from concentrated material should be treated by an eye specialist after initial treatment. With the possibility of late onset corneal ulceration, it is advised that patients with paraquat eye injuries are reviewed by an eye specialist the day after first presentation. Use treatment that is appropriate for chemical burns. Intact skin is an effective barrier to paraquat; however, contact with irritated or cut skin or repeated contact with intact skin may result in poisoning.

EMERGENCY NUMBERS: Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For 24-hour medical emergency assistance (human or animal), call **(800) 222-1222**. For chemical emergency assistance (spill, leak, fire, or accident), call ChemTrec at **(800) 424-9300**.

See label booklet for complete Precautionary Statements

6724. Handler Training (b)

(13) First aid and emergency decontamination procedures and emergency eye flushing techniques; and if pesticides are spilled or sprayed on the body to wash immediately with decontamination supplies and as soon as possible, wash or shower with soap and water and change into clean clothes;

6724. Handler Training (b)

(14) How and when to obtain emergency medical care;

- Emergency Medical Care posting

6724. Handler Training (b)

(15) Prevention, recognition, and first aid for heat-related illness in accordance with Title 8 of the California Code of Regulations, section 3395;

- Have Plan
- Training
- Water, Rest, Shade

OSHA QUICK CARD

Protect Yourself

Heat Stress

When the body is unable to cool itself by sweating, several heat-induced illnesses such as heat stress or heat exhaustion and the more severe heat stroke can occur, and can result in death.

Factors Leading to Heat Stress

High temperature and humidity; direct sun or heat; limited air movement; physical exertion; poor physical condition; some medicines; and inadequate tolerance for hot workplaces.

Symptoms of Heat Exhaustion

- Headaches, dizziness, lightheadedness or fainting.
- Weakness and moist skin.
- Mood changes such as irritability or confusion.
- Upset stomach or vomiting.

Symptoms of Heat Stroke

- Dry, hot skin with no sweating.
- Mental confusion or losing consciousness.
- Seizures or convulsions.

Preventing Heat Stress

- Know signs/symptoms of heat-related illnesses; monitor yourself and coworkers.
- Block out direct sun or other heat sources.
- Use cooling fans/air-conditioning; rest regularly.
- Drink lots of water; about 1 cup every 15 minutes.
- Wear lightweight, light colored, loose-fitting clothes.
- Avoid alcohol, caffeinated drinks, or heavy meals.

What to Do for Heat-Related Illness

- Call 911 (or local emergency number) at once.

While waiting for help to arrive:

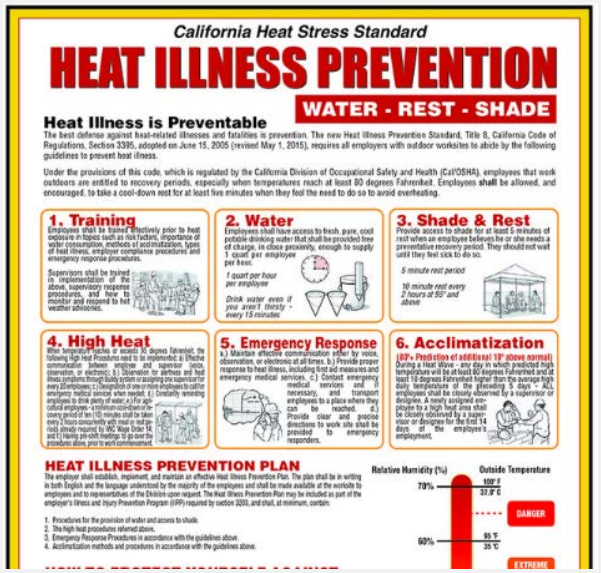
- Move the worker to a cool, shaded area.
- Loosen or remove heavy clothing.
- Provide cool drinking water.
- Fan and mist the person with water.

For more complete information:

OSHA Occupational Safety and Health Administration

U.S. Department of Labor

www.osha.gov (800) 321-OSHA



California Heat Stress Standard

HEAT ILLNESS PREVENTION

WATER - REST - SHADE

Heat Illness is Preventable

The best defense against heat-related illnesses and fatalities is prevention. The new Heat Illness Prevention Standard, Title 8, California Code of Regulations, Section 3395, adopted on June 15, 2005 (revised May 1, 2015), requires all employers with outdoor worksites to abide by the following guidelines to prevent heat illness.

Under the provisions of this code, which is regulated by the California Division of Occupational Safety and Health (Cal/OSHA), employees that work outdoors are entitled to recovery periods, especially when temperatures reach at least 80 degrees Fahrenheit. Employees shall be allowed, and encouraged, to take a cool-down rest for at least five minutes when they feel the need to do so to avoid overheating.

1. Training

Employees shall be trained effectively prior to heat exposure in topics such as risk factors, importance of water consumption, methods of acclimatization, types of heat illness, employer compliance procedures and emergency response procedures.

Supervisors shall be trained in implementation of the above, supervisory response procedures, and how to monitor and respond to hot weather advisories.

2. Water

Employees shall have access to fresh, pure, cool potable drinking water that shall be provided free of charge, in close proximity, enough to supply 1 quart per employee per hour.

1 quart per hour per employee

Drink water even if you aren't thirsty - every 15 minutes

3. Shade & Rest

Provide access to shade for at least 5 minutes of rest when an employee believes he or she needs a preventative recovery period. They should not wait until they feel sick to do so.

5 minute rest period

10 minute rest every 2 hours at 95° and above

4. High Heat

When temperature reaches or exceeds 95 degrees Fahrenheit, the following High Heat Procedures need to be implemented: a.) Effective communication between employee and supervisor (voice, observation, or electronic); b.) Observation for alertness and heat illness symptoms through buddy system or assigning one supervisor for every 20 employees; c.) Designation of one or more employees to call for emergency medical services when needed; d.) Constantly reminding employees to drink plenty of water; e.) For agricultural employers - a minimum cool-down rest period of ten (10) minutes shall be taken every 2 hours concurrently with meal or rest periods already required by WC Wage Order 14 and f.) Having pre-shift meetings to go over the procedures above, prior to work commencement.

5. Emergency Response

a.) Maintain effective communication either by voice, observation, or electronic at all times. b.) Provide proper response to heat illness, including first aid measures and emergency medical services. c.) Contact emergency medical services and if necessary, and transport employees to a place where they can be reached. d.) Provide clear and precise directions to work site shall be provided to emergency responders.

6. Acclimatization

(80°+ Prediction of additional 10° above normal)

During a Heat Wave - any day in which predicted high temperature will be at least 80 degrees Fahrenheit and at least 10 degrees Fahrenheit higher than the average high daily temperature of the preceding 5 days - ALL employees shall be closely observed by a supervisor or designee. A newly assigned employee to a high heat area shall be closely observed by a supervisor or designee for the first 14 days of the employee's employment.

HEAT ILLNESS PREVENTION PLAN

The employer shall establish, implement, and maintain an effective Heat Illness Prevention Plan. The plan shall be in writing in both English and the language understood by the majority of the employees and shall be made available at the worksite to employees and to representatives of the Division upon request. The Heat Illness Prevention Plan may be included as part of the employer's Illness and Injury Prevention Program (IIPP) required by section 3203, and shall, at minimum, contain:

1. Procedures for the provision of water and access to shade.
2. The high heat procedures referred above.
3. Emergency Response Procedures in accordance with the guidelines above.
4. Acclimatization methods and procedures in accordance with the guidelines above.

Relative Humidity (%) — Outside Temperature

79% — 100°F / 37.8°C

DANGER

60% — 95°F / 35°C

EXTREME

6724. Handler Training (b)

(17) The requirement that handlers of pesticides used in the commercial or research production of an agricultural commodity **must be at least 18 years of age**;

6724. Handler Training (b)

(18) Environmental concerns such as drift, runoff, and wildlife hazards;

- Sensitive sites
- Homes
- Public Roads, Cars, school buses
- Schools
- Water Bodies, rivers, lakes
- Wildlife

6724. Handler Training (b)

(19) Field posting requirements and restricted entry intervals when pesticides are applied for the commercial or research production of an agricultural commodity;

- Warning Sign Posting in Enclosed Space Production Areas
- Warning Sign Posting Locations for Outdoor Production,

6724. Handler Training (b)

(20) That employees should not take pesticides or pesticide containers home from work;

- Empty and rinsed containers can still contain pesticide residues
- Never pour pesticides from their original containers into food or beverage containers. **It is illegal and dangerous.**

6724. Handler Training (b)

(21) Potential hazards to children and pregnant women from pesticide exposures, including that:

(A) Children and nonworking family members should keep away from treated areas;

(B) After performing handling activities or after working in a treated area, employees should remove boots or shoes before entering the home and remove work clothes; and

(C) Employees should wash or shower before physical contact with children or family members.

6724. Handler Training (b)

(22) How to report suspected pesticide use violations; and

- CACs
- Pestline
- DPR
- CASPIR -- California's System for Pesticide Incident Reporting
- CalEPA

CalEPA
California Environmental Protection Agency

CASPIR
Mobile app

California Department of Pesticide Regulation

6724. Handler Training (b)

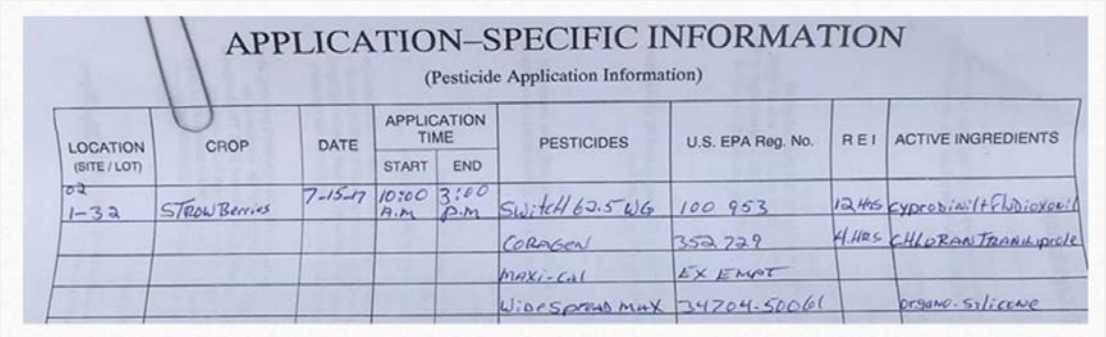
(23) The employee's rights, including the right:

(A) To personally receive information about pesticides to which he or she may be exposed;

(B) For his or her physician or an employee representative designated in writing to receive information about pesticides to which he or she may be exposed;

(C) To be protected against retaliatory action due to the exercise of any of his or her rights; and

(D) To report suspected use violations to the Department or county agricultural commissioner.



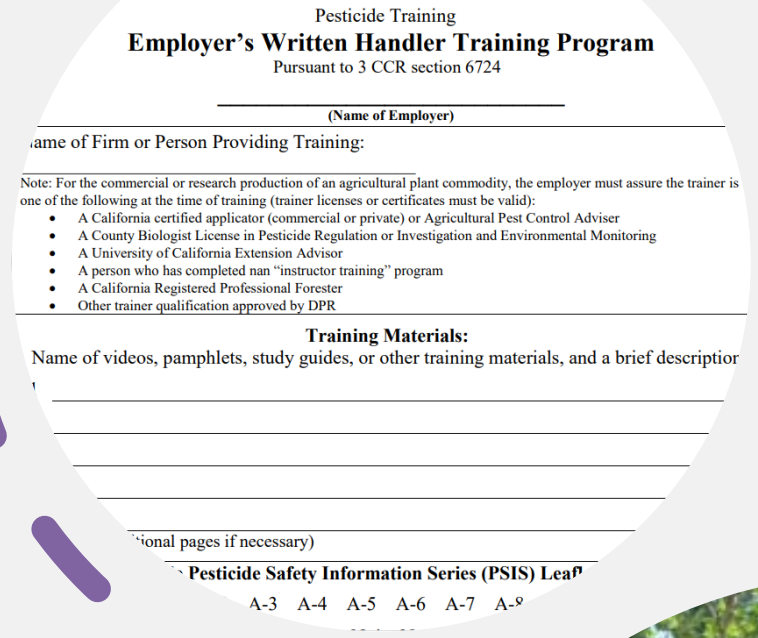
APPLICATION–SPECIFIC INFORMATION

(Pesticide Application Information)

LOCATION (SITE / LOT)	CROP	DATE	APPLICATION TIME START	APPLICATION TIME END	PESTICIDES	U.S. EPA Reg. No.	R E I	ACTIVE INGREDIENTS
02 1-32	STRAWBERRIES	7-15-17	10:00 A.M	3:00 P.M	SWITCH 62.5 WG	100 953	12 HRS	cyprodinil+fludioxonil
					CORAGEN	352 729	4 HRS	CHLORANTRANILIPROLE
					MAXI-OIL	EX EMPT		
					WIDESPREAD MAX	34704-50061		organo-silicone

3 CCR §6724 (c)

- Training must be in a manner the employee can understand in according to the written training program,
- Rresponse to questions
- Training must be at a locations reasonably free from distraction
- The trainer(s) must be present throughout the presentation.



Pesticide Training

Employer's Written Handler Training Program

Pursuant to 3 CCR section 6724

(Name of Employer)

ame of Firm or Person Providing Training:

Note: For the commercial or research production of an agricultural plant commodity, the employer must assure the trainer is one of the following at the time of training (trainer licenses or certificates must be valid):

- A California certified applicator (commercial or private) or Agricultural Pest Control Adviser
- A County Biologist License in Pesticide Regulation or Investigation and Environmental Monitoring
- A University of California Extension Advisor
- A person who has completed nan "instructor training" program
- A California Registered Professional Forester
- Other trainer qualification approved by DPR

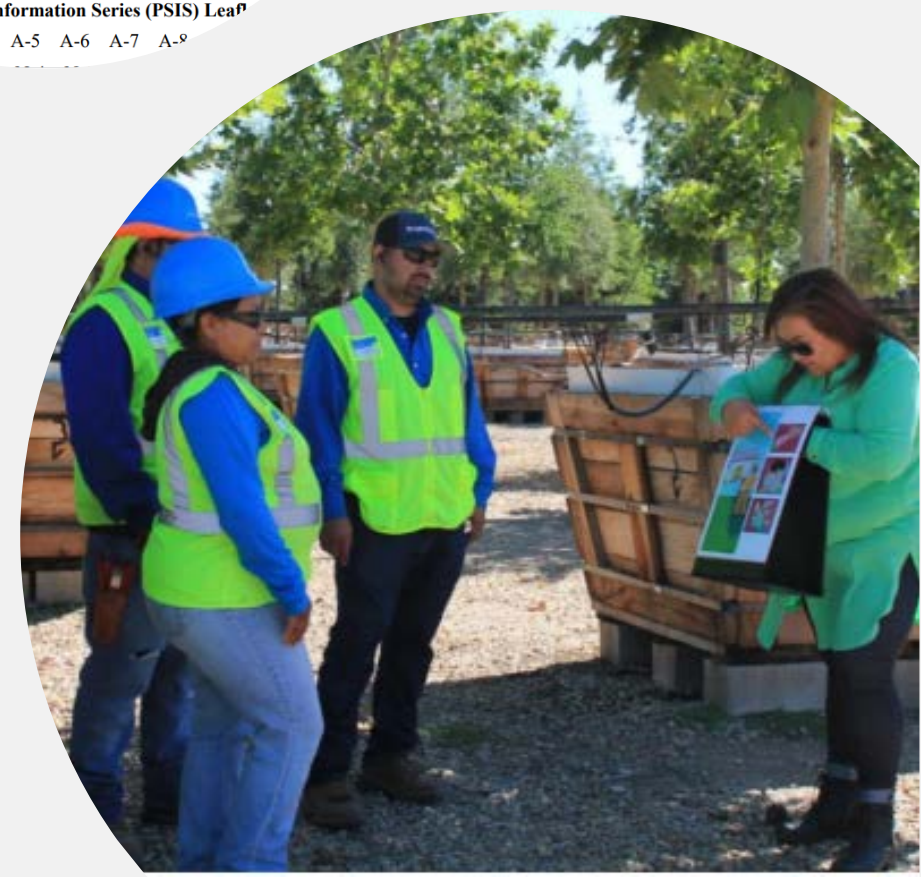
Training Materials:

Name of videos, pamphlets, study guides, or other training materials, and a brief descriptior

ional pages if necessary)

Pesticide Safety Information Series (PSIS) Leaf

A-3 A-4 A-5 A-6 A-7 A-



3 CCR §6724 (d)

- Training must be completed before employee allowed to handle pesticides
- Must cover any new pesticides before handled.
- Train annually
- Certified Applicator is considered trained

Pesticide Training

Handler Safety Training Record

Pursuant to 3 CCR section 6724

Training is in accordance with Employer's Written Handler Training Program

Print EMPLOYER's name: _____ Initial/Annual Training Date: _____

Print EMPLOYEE's name*: _____ Print TRAINER's name: _____

EMPLOYEE's signature: _____ Trainer Qualification*: _____

ASSIGNED JOB DUTIES Trainer Lic/Cert #*: _____

☐ Mixer/Loader ☐ Service/Repair

☐ Applicator ☐ Flagger ☐ Other: _____

Title(s) and source(s) of the training materials used*:

_____

_____

_____

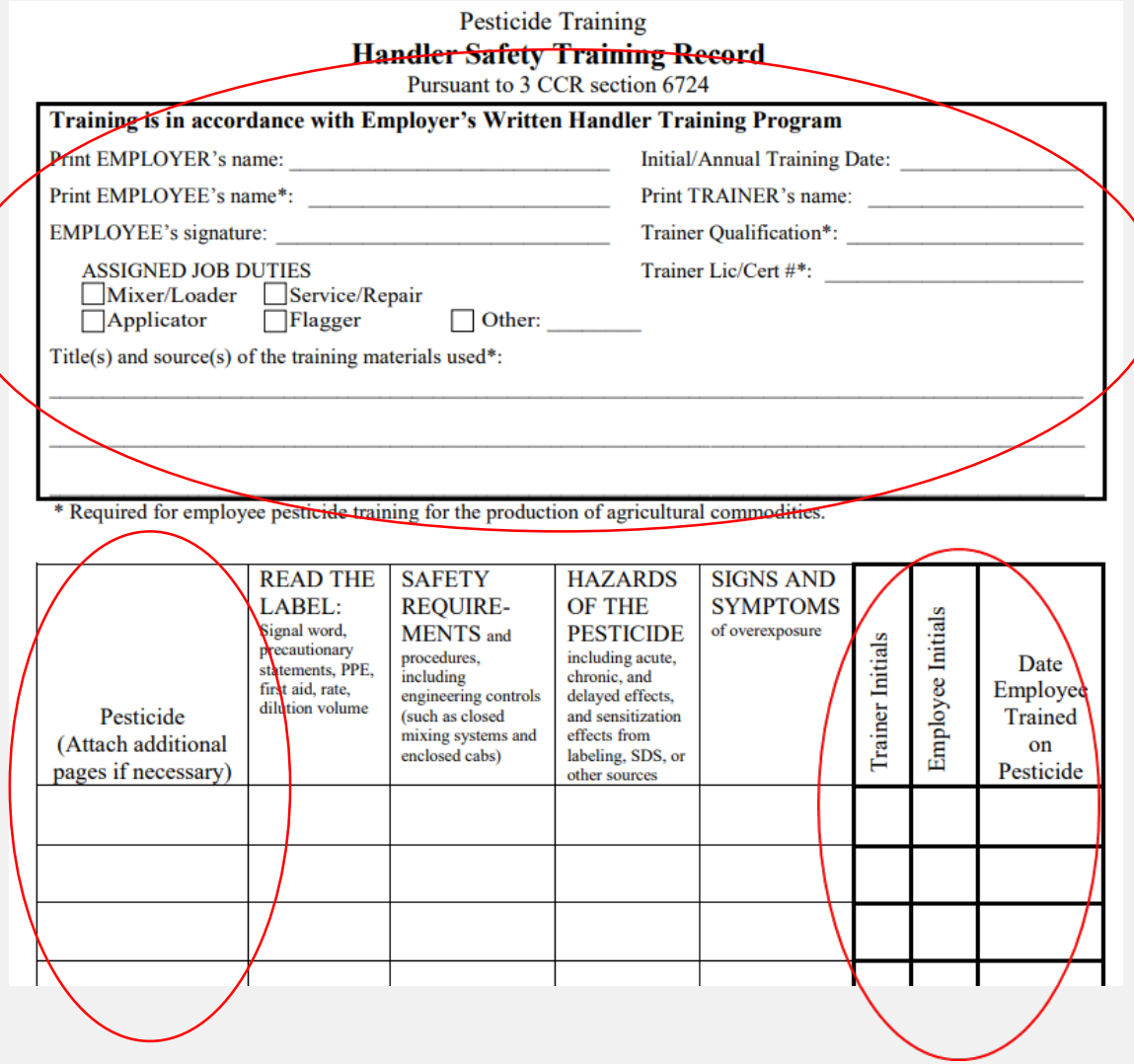
* Required for employee pesticide training for the production of agricultural commodities.

Pesticide (Attach additional pages if necessary)	READ THE LABEL: Signal word, precautionary statements, PPE, first aid, rate, dilution volume	SAFETY REQUIRE-MENTS and procedures, including engineering controls (such as closed mixing systems and enclosed cabs)	HAZARDS OF THE PESTICIDE including acute, chronic, and delayed effects, and sensitization effects from labeling, SDS, or other sources	SIGNS AND SYMPTOMS of overexposure	Trainer Initials	Employee Initials	Date Employee Trained on Pesticide

3 CCR §6724 (e)

Record Needs

- Initial/Annual Training Date
- Assigned Job Duties
- Trainings must be recorded and be verified by employee's signature.
- Employee printed name
- Title and sources of training material used
- Employer's and trainer's name
- Trainer qualifications as specified in section f
- Employers must keep records for 2 years at central location at the workplace accessible to employees



Pesticide Training

Handler Safety Training Record

Pursuant to 3 CCR section 6724

Training is in accordance with Employer's Written Handler Training Program

Print EMPLOYER's name: _____ Initial/Annual Training Date: _____

Print EMPLOYEE's name*: _____ Print TRAINER's name: _____

EMPLOYEE's signature: _____ Trainer Qualification*: _____

ASSIGNED JOB DUTIES Trainer Lic/Cert #*: _____

☐ Mixer/Loader ☐ Service/Repair

☐ Applicator ☐ Flagger ☐ Other: _____

Title(s) and source(s) of the training materials used*:

_____

_____

_____

* Required for employee pesticide training for the production of agricultural commodities.

Pesticide (Attach additional pages if necessary)	READ THE LABEL: Signal word, precautionary statements, PPE, first aid, rate, dilution volume	SAFETY REQUIRE-MENTS and procedures, including engineering controls (such as closed mixing systems and enclosed cabs)	HAZARDS OF THE PESTICIDE including acute, chronic, and delayed effects, and sensitization effects from labeling, SDS, or other sources	SIGNS AND SYMPTOMS of overexposure	Trainer Initials	Employee Initials	Date Employee Trained on Pesticide

3 CCR §6724 (f)

(f) Training for employees who will be handling pesticides for the commercial or research production of an agricultural plant commodity shall be qualified as one of the following:

(1) A California certified commercial applicator; QAL, QAC

(2) A California certified private applicator; PAC AKA Brown Card,

(3) A person holding a valid County Biologist License in Pesticide Regulation or Investigation and Environmental Monitoring issued by the Department of Food and Agriculture;

(4) A University of California Extension Advisor;

(5) A person who has completed an "instructor training" program presented by one of the following:

(A) the University of California, Integrated Pest Management Program; or

(B) other instructor training program approved by the Director;

(6) A California licensed Agricultural Pest Control Adviser; PCA

(7) A California Registered Professional Forester; or

(8) Other trainer qualification approved by the Director.

Violations of 3 CCR §6724

- **Example 1**: Employer not having records of trainings that occurred within the last two years.

- **Example 2**: Training did not include any new pesticides that were being handled.

Pesticide Training

Handler Safety Training Record

Pursuant to 3 CCR section 6724

Training is in accordance with Employer's Written Handler Training Program

Print EMPLOYER's name: _____ Initial/Annual Training Date: _____

Print EMPLOYEE's name*: _____ Print TRAINER's name: _____

EMPLOYEE's signature: _____ Trainer Qualification*: _____

ASSIGNED JOB DUTIES Trainer Lic/Cert #*: _____

☐ Mixer/Loader ☐ Service/Repair

☐ Applicator ☐ Flagger ☐ Other: _____

Title(s) and source(s) of the training materials used*:

_____

_____

_____

* Required for employee pesticide training for the production of agricultural commodities.

Pesticide (Attach additional pages if necessary)	READ THE LABEL: Signal word, precautionary statements, PPE, first aid, rate, dilution volume	SAFETY REQUIRE-MENTS and procedures, including engineering controls (such as closed mixing systems and enclosed cabs)	HAZARDS OF THE PESTICIDE including acute, chronic, and delayed effects, and sensitization effects from labeling, SDS, or other sources	SIGNS AND SYMPTOMS of overexposure	Trainer Initials	Employee Initials	Date Employee Trained on Pesticide

Any Questions?