

Weed Management Laws and Regulations



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Agricultural/Standards
Inspectors





Topics

- Label
 - Why it's important
 - What to look for
 - AKA how to read a label
 - What the label requires
- Personal Protective Equipment (PPE)
 - Label requirements
 - Regulation requirements
 - Common sense
- Application Requirements

What is a Pesticide?

- Pests can be:
 - Insects
 - Squirrels, Mice, other Rodents
 - Weeds
- Pesticides are substances intended for preventing, destroying, repelling, or mitigating **ANY** pest.



Why is the Label Important?

- ▶ Safe handling and use of the pesticide product
- ▶ Personal Protective Equipment (PPE)
- ▶ Restricted Entry Intervals (REI)
- ▶ Correct site and rate
- ▶ Pesticide labels are legally enforceable
 - ▶ “It is a violation of federal law to use this product in a manner inconsistent with its labeling.”





Commonly used pesticide



FOOD AND AGRICULTURAL CODE (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.

When should you read the label?

- Before buying the pesticide
- Before mixing and applying the pesticide
- When storing pesticides
- Before disposing of empty containers



6302813-10



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
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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	<ul style="list-style-type: none"> 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.
<ul style="list-style-type: none"> 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.



(LAST PAGE)

LABELING ACCEPTABLE
 STATE OF CALIFORNIA
 DEPARTMENT OF PESTICIDE REGULATION
 PESTICIDE REGISTRATION
 Date 12-22-08 Reviewer S. Sutherland
 Reg. No. 524-579-AA



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, GREEN 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

2008-1

GROUP 9 HERBICIDE

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Use only according to label instructions.

Not all products recommended 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.
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3.0 PRECAUTIONARY STATEMENTS

3.1 Hazards to Humans and Domestic Animals

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Reading the Label Precautionary Statements

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IF IN EYES	<ul style="list-style-type: none">• 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.
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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.



Reading the Label

Precautionary Statements



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.

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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.

Reading the Label

First Aid



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.

Reading the Label (REI)



Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 4 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is: coveralls, shoes plus socks and chemical-resistant gloves made of any waterproof material.

Non-Agricultural Use Requirements

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries or greenhouses.

Keep people and pets off treated areas until spray solution has dried.

Reading the Label (PPE)



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.

Reading the Label (PPE)

Personal Protective Equipment (PPE)

Applicators and other handlers (other than mixers and loaders) must wear:

Long-sleeved shirt and long pants; Chemical resistant gloves – Category A (e.g., barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, natural rubber, polyethylene, polyvinyl chloride (PVC) or viton); Shoes plus socks; Protective eyewear; NIOSH-approved particulate filtering respirator equipped with N, R or P class filter media. The respirator should have a NIOSH approval number prefix TC-84A. It is recommended that you require that respirator wearer to be fit tested, and trained in the use, maintenance and limitations of the respirator.

Mixers and loaders must wear:

Long-sleeved shirt and long pants

Chemical resistant gloves – Category A (e.g., barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, natural rubber, polyethylene, polyvinyl chloride (PVC) or viton)

Shoes plus socks

Chemical resistant apron

Face shield

NIOSH-approved particulate filtering respirator equipped with N, R or P class filter media. The respirator should have a NIOSH approval number prefix TC-84A. It is recommended that you require that respirator wearer to be fit tested, and trained in the use, maintenance and limitations of the respirator.

A dark grey arrow points to the right from the left edge of the slide. Below it, several thin, dark blue lines curve upwards and to the right, resembling stylized grass or reeds.

Reading the Label (PPE)

- ▶ Explicit statements
 - ▶ “Category A” gloves
 - ▶ “Chemical resistant gloves”
 - ▶ “Coveralls”
- ▶ Advisory statements (No PPE listed) but...
 - ▶ “Avoid getting on skin, clothing”
 - ▶ “Avoid contact with people and pets

Storage



4.0 STORAGE AND DISPOSAL

Proper pesticide storage and disposal are essential to protect against exposure to people and the environment due to leaks and spills, excess product or waste, and vandalism. Do not allow this product to contaminate water, foodstuffs, feed or seed by storage and disposal.

PESTICIDE STORAGE: Store pesticides away from food, pet food, feed, seed, fertilizers, and veterinary supplies. Keep container closed to prevent spills and contamination.

PESTICIDE DISPOSAL: To avoid wastes, use all material in this container, including rinsate, by application according to label directions. If wastes cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program. Such programs are often run by state or local governments or by industry. All disposal must be in accordance with applicable Federal, state and local regulations and procedures.

CONTAINER HANDLING AND DISPOSAL: See container label for container handling and disposal instructions and refilling limitations.

Mixing



6.2 Tank Mixing

This product does not provide residual weed control. This product may be tank-mixed with other herbicides to provide residual weed control, a broader weed control spectrum or an alternate mode of action. Read and carefully observe the cautionary statements and all other information appearing on the labels of all herbicides used. Use according to the most restrictive precautionary statements for each product in the mixture.

When this label lists a tank mixture with a generic active ingredient such as atrazine, 2,4-D, dicamba, diuron or pendimethalin the user is responsible for ensuring that the specific application being made is included on the label of the specific product being used in the tank mixture. Refer to all individual product labels, supplemental labeling and fact sheets for all products in the tank mixture, and observe all precautions and limitations on the label, including application timing restrictions, soil restrictions and use according to the most restrictive precautionary statements for each product in the tank mixture.



Product Information



5.0 PRODUCT INFORMATION

Product Description: This product is a postemergence, systemic herbicide with no soil residual activity. It gives broad-spectrum control of many annual weeds, perennial weeds, woody brush and trees. It is formulated as a water-soluble liquid containing surfactant and no additional surfactant is needed or recommended.

Time to Symptoms: This product moves through the plant from the point of foliage contact to and into the root system. Visible effects are a gradual wilting and yellowing of the plant, which advances to complete browning of aboveground growth and deterioration of underground plant parts. Effects are visible on most annual weeds within 2 to 4 days, but on most perennial weeds, effects may not be visible for 7 or more days. Extremely cool or cloudy weather following treatment may slow activity of this product and delay development of visual symptoms.

Stage of Weeds: Annual weeds are easiest to control when they are small. Best control of most perennial weeds is obtained when treatment is made at late growth stages approaching maturity.

Sites



8.0 SITE AND USE INSTRUCTIONS

This product may be used in non-crop areas such as airports, apartment complexes, commercial sites, ditch banks, driveways, dry ditches, dry canals, fencerows, golf courses, greenhouses, industrial sites, landscape areas, lumber yards, manufacturing sites, municipal sites, natural areas, office complexes, ornamentals, parks, parking areas, pastures, petroleum tank farms and pumping installations, public areas, railroads, rangeland, recreation areas, residential areas, rights-of-way, roadsides, schools, shadehouses, sports complexes, storage areas, substations, turfgrass areas, utility sites, warehouse areas and wildlife management areas.

This product may also be used in non-food crop sites such as Christmas tree farms, plant nurseries, sod or turf seed farms.

Unless otherwise specified, applications may be made to control any weeds listed in the **WEEDS CONTROLLED** section of this label.

Labeling Site/Rate/Other

Spray Solution

Amount of Roundup PRO Concentrate Herbicide

Desired Volume	0.4%	0.8%	1.2%	1.6%	4.0%	8.0%
1 Gallon	0.5 oz	1.0 oz	1.6 oz	2.1 oz	5.2 oz	10.5 oz
25 Gallons	13.0 oz	0.8 qt	1.2 qt	1.6 qt	4.0 qt	8.0 qt
100 Gallons	1.6 qt	0.8 gal	1.2 gal	1.6 gal	4.0 gal	8.0 gal

2 tablespoons = 1 fluid ounce

Spray Solution

Desired Volume	Amount of Ranger PRO Herbicide					
	1/2%	1%	1-1/2%	2%	5%	10%
1 gal	2/3 oz	1-1/3 oz	2 oz	2-2/3 oz	6-1/2 oz	13 oz
25 gal	1 pt	1 qt	1-1/2 qt	2 qt	5 qt	10 qt
100 gal	2 qt	1 gal	1-1/2 gal	2 gal	5 gal	10 gal

2 tablespoons = 1 fluid ounce

Labeling Available at Use Site



Title 3 California Code of Regulations (CCR) section 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.



Complete Directions for Use in Aquatic and Other Non-crop Sites.

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

EPA Reg. No. 524-343

2009-2

GROUP	9	HERBICIDE
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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). SEE INDIVIDUAL CONTAINER LABEL FOR REPACKAGING LIMITATIONS.

8.0 SITE AND USE INSTRUCTIONS

Unless otherwise specified, applications may be made to control any weeds listed in the “**Annual Weeds**”, “**Perennial Weeds**” and “**Woody Brush and Trees**” rate tables. Refer also to the “**Selective Equipment**” section.

8.4 General Non-crop Areas and Industrial Sites

Use in areas such as airports, apartment complexes, commercial sites, ditch banks, driveways, dry ditches, dry canals, fencerows, forestry sites, golf courses, greenhouses, industrial sites, lumber yards, manufacturing sites, municipal sites, natural areas, office complexes, ornamentals, parks, parking areas, pastures, petroleum tank farms and pumping installations, railroads, rangeland, recreational areas, residential areas, rights-of-way, roadsides, schools, sod or turf seed farms, sports complexes, storage areas, substations, utility sites, warehouse areas, and wildlife management areas.

What's New?

Restricted Use Pesticide

Toxic to Fish and Aquatic Organisms

For retail sale to and use only by certified applicators, or persons under their direct supervision, and only for those uses covered by the certified applicator's certification.

QUALI-PRO

Bifenthrin Golf & Nursery 7.9F

Insecticide

For Commercial Non-Food Use on Indoor and Outdoor Ornamentals, Greenhouses, Nurseries, and Turf on Golf Courses and Sod Farms.

ACTIVE INGREDIENT:	% BY WT.
Bifenthrin*	7.9%
OTHER INGREDIENTS:	92.1%
TOTAL	100.0%

*Cis isomers 97% minimum, trans isomers 3% maximum. Quali-Pro Bifenthrin Golf & Nursery 7.9F contains 2/3 pound active ingredient per gallon.

Contains bifenthrin, the active ingredient used in Talstar S Select Insecticide. Bifenthrin Golf and Nursery 7.9F is not manufactured or distributed by FMC Corp.

EPA Reg. No. 66222-192

KEEP OUT OF REACH OF CHILDREN CAUTION

For additional precautionary, handling, and use statements, see inside of this booklet.

NOTE:

- USERS OF THIS PRODUCT IN CALIFORNIA MUST BE IN POSSESSION OF STATE-SPECIFIC SUPPLEMENTAL LABELING.
- DO NOT USE THIS PRODUCT ON GOLF COURSES AND SOD FARMS IN NASSAU COUNTY OR SUFFOLK COUNTY, NEW YORK.

Manufactured for: Makhteshim Agan of North America, Inc.

4515 Falls of Neuse Road, Suite 300

Raleigh, NC 27609

Label #13791

EPA 091609/Rev B

Restricted Materials



CALIFORNIA RESTRICTED MATERIALS REQUIREMENTS

A FEDERAL RESTRICTED USE PESTICIDES

(Included by reference as California Restricted Materials)

Pesticides display the RESTRICTED USE PESTICIDE (RUP) statement on the pesticide container similar to the statement shown here. RUPs require an RUP statement enclosed in a box, at the top of the front panel of the label.



RESTRICTED USE PESTICIDE

DUE TO (reason for restricted use classification)

For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification.

Some product labels require a Certified Applicator be "physically present" at the use site.

Restricted Materials

B

CALIFORNIA RESTRICTED MATERIALS

This section is written in a quick reference format; refer to Title 3, California Code of Regulations (3 CCR) section 6400 for complete text.

Acrolein, labeled for use as an aquatic herbicide	Chlorpyrifos, labeled for the production of an agricultural commodity	Metam sodium, labeled for the production of agricultural plant commodities	Potassium n-methyldithiocarbamate (metam-potassium), labeled for the production of agricultural plant commodities
Aldicarb – unregistered	Dazomet, labeled for the production of agricultural plant commodities	Methamidophos – unregistered	Propanil (3,4-dichloropropionanilide)
All dust (except products containing only exempt pesticides)**	Dicamba*	Methidathion	Sodium cyanide
Aluminum phosphide	2,4-dichlorophenoxyacetic acid (2,4-D)*	Methomyl††	Sodium fluoroacetate (compound 1080) – unregistered
Any pesticide containing active ingredients listed under section 6800(a), labeled for agricultural, outdoor institutional, or outdoor industrial use ¹	2,4-dichlorophenoxybutyric acid (2,4-DB)*	Methyl bromide	Sodium tetrathiocarbonate – unregistered
Any pesticide pursuant to Section 18 of FIFRA (Emergency exemption)	2,4-dichlorophenoxypropionic acid (2,4-DP)*	2-methyl-4-chlorophenoxyacetic acid (MCPA)*	Strychnine**
4-Amino pyridine	1,3-Dichloropropene (1,3-D)	Methyl iodide – unregistered	Sulfotepp – unregistered
Azinphos-methyl – unregistered	Difenacoum	Methyl isothiocyanate (MITC), labeled for the production of agricultural plant commodities	Sulfuryl fluoride
Brodifacoum	Difethialone	Mevinphos – unregistered	Thiobencarb
Bromadiolone	Disulfoton** – unregistered	Molinate – unregistered	Tribufos
Calcium cyanide – unregistered	Endosulfan**	Oxydemeton-methyl	Tributyltin, organotin, or a tri-organotin compound formulated as an antifouling paint, coating, or compound and labeled for the control of fouling organisms in an aquatic environment
Carbaryl**†	Ethoprop, labeled for turf	Paraquat	Zinc phosphide**
Carbofuran – unregistered	Fenamiphos – unregistered	Parathion-methyl – unregistered	
Chloropicrin	Lindane** – unregistered	Phorate	
3-Chloro-p-toluidine hydrochloride	Magnesium phosphide	Phosphine gas	

EXCEPTIONS FROM RESTRICTION

** Products labeled only for one or more of the following uses: home use, structural pest control, industrial use, institutional use, public agency vector control district use per Health and Safety Code section 116180.

† Carbaryl formulated as a bait or used directly on livestock or poultry; additional exceptions include those in ** above.

†† Fly baits containing not more than 1% methomyl

* 2,4-D labeled only for use as a plant growth regulator

For 2,4-D; 2,4-DB; 2,4-DP; Dicamba (Phenoxy); MCPA:

* Liquid formulations packaged in containers of 1 quart or less

* Liquid formulations packaged in containers of 1 gallon or less that contain 15% or less of the active ingredient

* Liquid formulations labeled for use without further dilution

* Dry formulations packaged in containers of 1 pound or less. (For dicamba/phenoxy labeled to be further diluted.)

* Dry formulations packaged in containers of 50 pounds or less, containing 10% or less of the active ingredient, and labeled for use without further dilution

Restricted Materials

APPLICATORS WHO HAVE MET THE CERTIFICATION REQUIREMENTS FOR RESTRICTED MATERIALS PURSUANT TO FOOD AND AGRICULTURAL CODE SECTION 14015

CERTIFIED COMMERCIAL APPLICATORS

(PERSONS OTHER THAN PRIVATE APPLICATORS USING RESTRICTED PESTICIDES)

- Journeyman Pilots
- Qualified Applicator Licensees
- Qualified Applicator Certificate Holders
- Structural Pest Control Field Representatives
- Structural Pest Control Operators
- Vector Control Technicians

A PESTICIDES ONLY IN "A" ABOVE – NO PERMIT REQUIRED

B PESTICIDES IN "B" ABOVE -- PERMIT REQUIRED; EXCEPTIONS APPLY

CERTIFIED PRIVATE APPLICATORS

(GROWERS, NURSERYMEN, AND OTHERS USING RESTRICTED PESTICIDES TO PRODUCE AGRICULTURAL COMMODITIES)

- Private Applicator Certificate Holders

A PESTICIDES ONLY IN "A" ABOVE – NO PERMIT REQUIRED

B PESTICIDES IN "B" ABOVE -- PERMIT REQUIRED; EXCEPTIONS APPLY

EXCEPTIONS FROM PERMIT REQUIREMENT

- No permit required for pesticides used by persons licensed by the Structural Pest Control Board per Food and Agricultural Code section 14006.6(d).
- No permit required for antifouling paints or coatings containing tributyltin per 3 CCR section 6414(c).
- ¹No permit required for certified applicators using pesticides listed in 3 CCR section 6800(a) (*Potential to Pollute Ground Water*) outside of a Ground Water Protection Area: Atrazine Bentazon (Basagran®) Bromacil Diuron Norflurazon Prometon Simazine

Restricted Materials



ACTIVE INGREDIENTS:

Carfentrazone-ethyl	0.62%
2,4-D, 2-ethylhexyl ester	28.57%
Mecoprop-p acid	5.88%
Dicamba acid	1.71%
INERT INGREDIENTS:	69.22%
TOTAL 100.00%	

THIS PRODUCT CONTAINS:

0.05 lb. Ethyl α,2-dichloro-5-[4-(difluoromethyl)-4,5-dihydro-3-methyl-5-oxo-1H-1,2,4-triazol-1-yl]-4-fluorobenzenepropanoate per gallon or 0.62%

1.53 lb. 2,4-dichlorophenoxyacetic acid equivalent per gallon or 18.85%

0.48 lb. (+)-R-2-(2-methyl-4-chlorophenoxy)propionic acid equivalent per gallon or 5.88%

0.14 lb. 3,6-dichloro-o-anisic acid equivalent per gallon or 1.71%.

Isomer Specific by AOAC Methods.

Contains petroleum distillate.

KEEP OUT OF REACH OF CHILDREN
CAUTION

Si Usted no entiende la etiqueta, busque a alguien para que se la explique a Usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)



ACTIVE INGREDIENTS:

Carfentrazone-ethyl	0.54%
2,4-D, 2-ethylhexyl ester	10.49%
Mecoprop-p acid	2.66%
Dicamba acid	0.67%
INERT INGREDIENTS:	85.64%
TOTAL 100.00%	

THIS PRODUCT CONTAINS:

0.04 lb. Ethyl α,2-dichloro-5-[4-(difluoromethyl)-4,5-dihydro-3-methyl-5-oxo-1H-1,2,4-triazol-1-yl]-4-fluorobenzene propanoate or 0.54%.

0.52 lb. 2,4-dichlorophenoxyacetic acid equivalent per gallon or 6.96%.

0.20 lb. (+)-R-2-(2-methyl-4-chlorophenoxy) propionic acid equivalent per gallon or 2.66%.

0.05 lb. 3,6-dichloro-o-anisic acid equivalent per gallon or 0.67%.

Contains Petroleum Distillate.

Isomer Specific by AOAC Methods.

KEEP OUT OF REACH OF CHILDREN
CAUTION

Si Usted no entiende la etiqueta, busque a alguien para que se la explique a Usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

2,4-D is NOT restricted if two conditions are met:

- 1) 1 gallon or less
- 2) 15% or less 2,4-D

Drift



ATTENTION

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

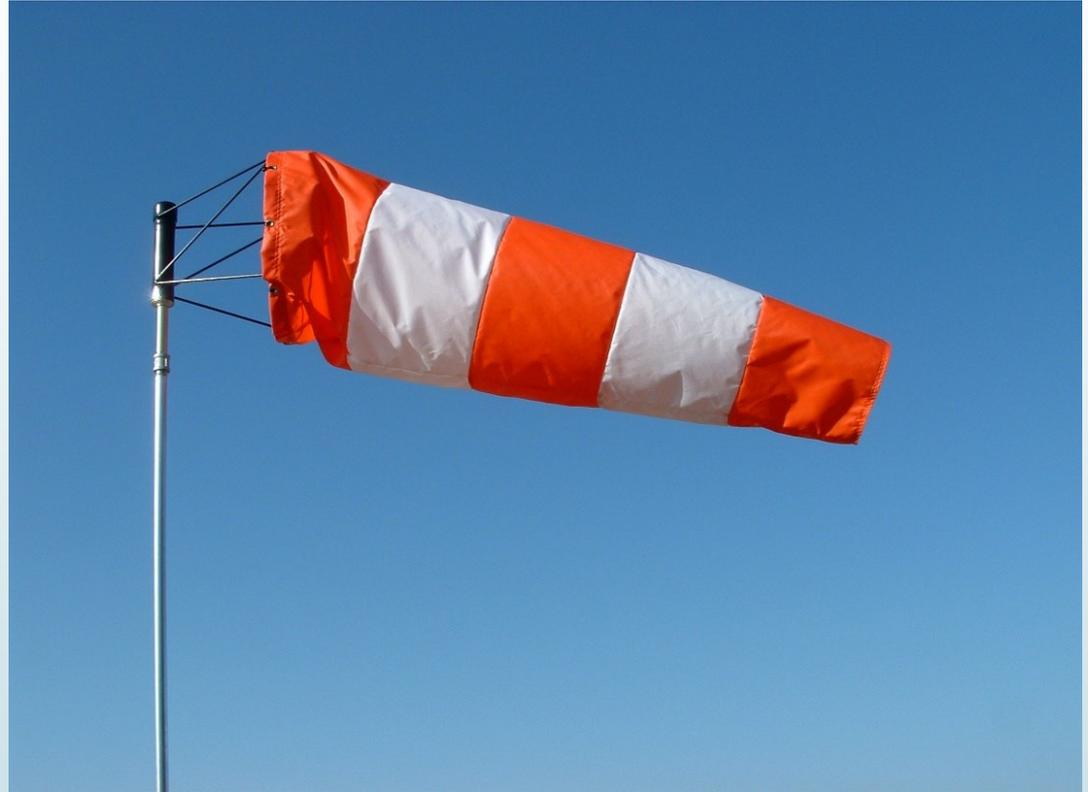
AVOID DRIFT. EXTREME CARE MUST BE USED WHEN APPLYING THIS PRODUCT TO PREVENT INJURY TO DESIRABLE PLANTS AND CROPS.

Do not allow the herbicide solution to mist, drip, drift or splash onto desirable vegetation since minute quantities of this product can cause severe damage or destruction to the crop, plants or other areas on which treatment was not intended. The likelihood of injury occurring from the use of this product increases when winds are gusty, as wind velocity increases, when wind direction is constantly changing or when there are other meteorological conditions that favor spray drift. When spraying, avoid combinations of pressure and nozzle type that will result in splatter or fine particles (mist) that are likely to drift. AVOID APPLYING AT EXCESSIVE SPEED OR PRESSURE.

NOTE: Use of this product in any manner not consistent with this label may result in injury to persons, animals or crops, or have other unintended consequences.

Drift

- ▶ Evaluate:
 - ▶ Your equipment
 - ▶ Weather
 - ▶ Site to be treated and its surrounding area





Personal Protective Equipment (PPE)

- Label requirements
- Regulation requirements

A dark grey arrow points to the right from the left edge of the slide. Below it, several thin, dark blue lines curve upwards and to the right, resembling stylized grass or reeds.

Pesticide Worker Safety Regulations

Title 3 California Code of Regulations
sections 6700-6795

- Employer Responsibilities
- Planned medical care
- Training/ record keeping
- Employee Responsibilities
- Specific techniques and behaviors
- Personal Protective Equipment

A dark grey arrow points to the right from the left edge of the slide. Below it, several thin, curved blue lines sweep upwards and to the right, creating a decorative border on the left side of the slide.

Pesticide Worker Safety Regulations

- Employees -- always wear protective eyewear and gloves unless the label prohibits their use
- Business or property owners-- always follow the label
- Volunteers -- always follow the label

PPE Regulation 6738

Revised 7/1/2015

Section 6738.2 now requires Z87.1-2010 standard eye protection



EMBOSSSED WITH Z87

PPE Regulation 6738

Revised 7/1/2015

- Safety glasses
- Face shield
- Goggles



PPE Regulation 6738

Revised 7/1/2015

Section 6738.3 now includes
EPA glove category definitions

 **Glove Category Selection Key**

Label Code	Material Recommended by CDPR	Material Code
A	1,2,3,4,5,6,7,8	1: Laminate
B	1,2	2: Butyl
C	1,2,3,4,7,8	3: Nitrile
D	1,2	4: Neoprene
E	1,3,4,8	5: Natural
F	1,2,3,8	6: Polyethylene
G	1,8	7: PVC
H	1,8	8: Viton

All but Laminate and Polyethylene must be 14 mils or thicker

PPE Regulation 6738.3

- Gloves must be 14 mils thick
- Glove liners are allowed
- Leather gloves may be worn over chemical-resistant gloves
- 14 mil Thickness Exemption
 - Chemical-resistant gloves used to make fine adjustments that require dexterity:
 - Must be made of appropriate barrier material
 - Can only be used for 15 minutes then disposed of
 - If gloves tear, it is a violation
- Not allowed:
 - Flocked gloves
 - Gloves with a non-separable liners



Glove Liner Conditions



- Use is allowed **only** when:
 - Not prohibited by the label
 - Separable
 - Do not extend beyond chemical-resistant gloves
 - Must be replaced immediately if directly contacted by a pesticide
 - Discarded at the end of **each** workday.

What is the Required PPE?

- Label excerpt:

All mixers, loaders, applicators and other handlers must wear:

Long-sleeved shirt and long pants.

Shoes plus socks.

Chemical resistant gloves made of any waterproof material such as polyethylene or polyvinyl chloride.

- Long-Sleeved shirt and Long Pants
- Shoes plus socks
- Chemical Resistant Gloves
- Eye Protection

dpr Glove Category Selection Key

Label Code	Material Recommended by CDPR	Material Code
A	1,2,3,4,5,6,7,8	1: Laminate
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C	1,2,3,4,7,8	3: Nitrile
D	1,2	4: Neoprene
E	1,3,4,8	5: Natural
F	1,2,3,8	6: Polyethylene
G	1,8	7: PVC
H	1,8	8: Viton

All but Laminate and Polyethylene must be 14 mils or thicker

Which Gloves Are Acceptable For Pesticide Use?





Other PPE essentials

- Coveralls
- Coveralls over....
- Chemical resistant footwear
- Chemical resistant headgear
- Chemical resistant aprons

A dark grey arrow points to the right from the left edge of the slide. Below it, several thin, curved lines in shades of blue and grey sweep across the left side of the slide.

Proceeding with the Treatment

- Do you have all you need?
- PCA Recommendations
- What if something happens?
- Is your vehicle stocked correctly?
- Is your gear in good repair?
- Have you notified property owners / received consent?

PCA Recommendation

- ▶ Publicly owned or controlled agricultural land requires a Pest Control Advisor (PCA) recommendation.



Emergency Medical Care Posting



Medical Facility Name, address, phone number

PPE Storage

- Store PPE separate from Pesticides



Pesticide Storage

Pesticides secured in lock box



Pesticide storage labeled with warning sign



Pesticide Storage



Decontamination Supplies

- Soap
- Water
- Single Use Towels



Proper Containers



No food containers



Service Container Labeling

Label must contain:

- Name and address of responsible party
- Pesticide Identity
- "Danger," "Warning," or "Caution"



Safe Equipment

- Is your equipment leaking?
- Are you contaminating yourself or killing a desirable species?



Notification/Consent



No person shall directly discharge a pesticide onto a property without the consent of the **owner** or **operator** of the property.

3CCR 6618-Pest Control Business

Pest Control Business Shall Notify the Operator of the Property:

Date of application

Brand or common name of the pesticide Any spray adjuvants

Precautionary statements from the pesticide label

Notification can be oral or in writing



We are going to spray glysophate on July 1, 2015. Keep everyone out until it is dry!



Okay!

3CCR 6618-Operator of the Property

The **operator of the property shall** assure that notice is given to **all persons** who are on the property to be treated, **or who may enter during the application or the period of time that any restrictions on entry are in effect**

Includes people who are known to be there

Date of application

Brand or common chemical pesticide name including spray adjuvants

Precautionary statements



We are going to spray glyphosate on July 1, 2015. Keep everyone out until it is dry!

Yes Sir!



Protection of Persons/Animals/Properties



Pesticide Container Disposal

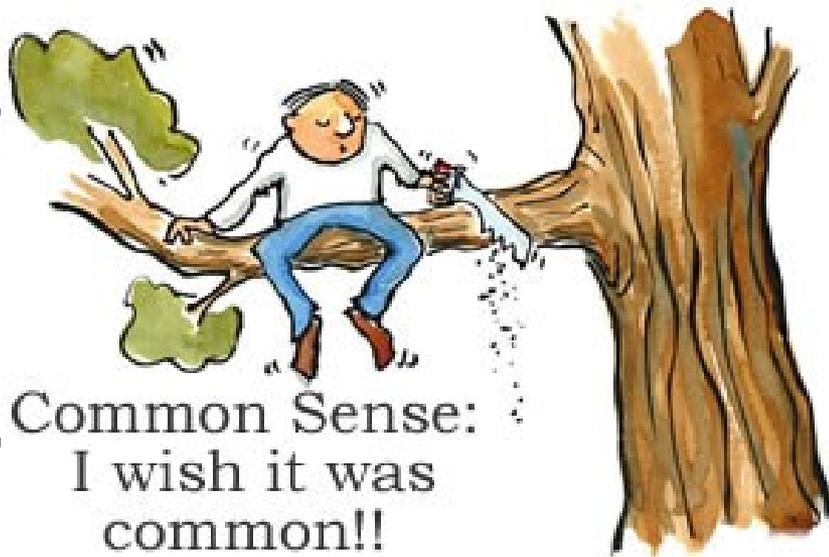


Triple Rinse
Puncture
Dispose of properly



Pesticide Container Recycling Program
Saturday October 1st, 2016

Common Sense



- Follow the label
- Use the PPE that is required
- Apply only where the pest is and you have the right to be



Questions?



Contact Information

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