

WSDA UPDATE

2015 Weeds & Neighbors

Grower Meeting

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Washington State Department of Agriculture
Spokane-Compliance



Understanding Key Label Statements for Applicators, Pesticide safety and Other Use reminders.





LEGAL PESTICIDE USE

Pesticide label:
IT'S THE LAW!



2120313-23




The complete broad-spectrum postemergence professional herbicide for 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.

GROUP	9	HERBICIDE
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EPA Reg. No. 524-529 2010-1

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. SEE INDIVIDUAL CONTAINER LABEL FOR REPACKAGING LIMITATIONS.

1.0 INGREDIENT

ACTIVE INGREDIENT:

* Glyphosate, N-(phosphonomethyl)glycine, in the form of its isopropylamine salt.....	50.2%
OTHER INGREDIENTS (including 13% surfactant):.....	49.8%
	100.0%

*Contains 600 grams per liter or 5 pounds per U.S. gallon of the active ingredient glyphosate, in the form of its isopropylamine salt. Equivalent to 445 grams per liter or 3.7 pounds per U.S. gallon of the acid glyphosate.

This product is protected by U.S. Patent No. 4,405,531. Other patents pending. No license granted under any non-U.S. patent(s).

2.0 IMPORTANT PHONE NUMBERS

CAUSES MODERATE EYE IRRITATION
Avoid contact with eyes or clothing.

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 15-20 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 PRO® Concentrate Herbicide, EPA Registration No. 524-529.

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 Personal Protective Equipment (PPE). If there are no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

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.

IMPORTANT: When reduced PPE is worn because a closed system is being used, handlers must be provided all PPE specified above for "applicators and other handlers" and have such PPE immediately available for use in an emergency, such as a spill or equipment breakdown.

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.

The Term “Use” Includes...

- **Transportation and handling.**
- **Mixing and loading.**
- **Pre-application, application, post-application activities.**
- **Worker notification and protection.**
- **Storage and disposal.**

Directions for Use

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Read all Directions for Use carefully before applying.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

Keep Out of Reach of Children

CAUTION

Precautionary Statements

Hazard to Humans and Domestic Animals

Causes Moderate Eye Irritation

Avoid contact with eyes or clothing.

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 no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

Handler - Defined...

- Any person:
 - Mixing, loading, transferring or applying pesticides.
 - Handling open pesticide containers.
 - Acting as a flagger.
 - Adjusting, handling or repairing application equipment that may contain residues.
 - Assisting with the application of pesticides.
 - Entering a greenhouse or other enclosed area before ventilation criteria met.



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 12 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
- Chemical-resistant gloves made of any waterproof material as polyethylene or polyvinyl chloride
- Shoes plus socks

WPS Requirements



Pesticide Training



Notification



Emergency Assistance



Protection from Pesticides



Protection from Retaliation



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 does not pertain to non-agricultural use on sites, such as, rangeland, permanent grass pastures, or non-cropland. See the Agricultural Use Requirements section below for information where the WPS applies.

Entry Restrictions for Non-WPS Uses: For applications on rangeland and permanent grass pastures (not harvested for hay) and non-cropland areas, do not enter or allow worker entry into treated areas until sprays have dried.



Pesticide related Complaint Investigations











Royal C



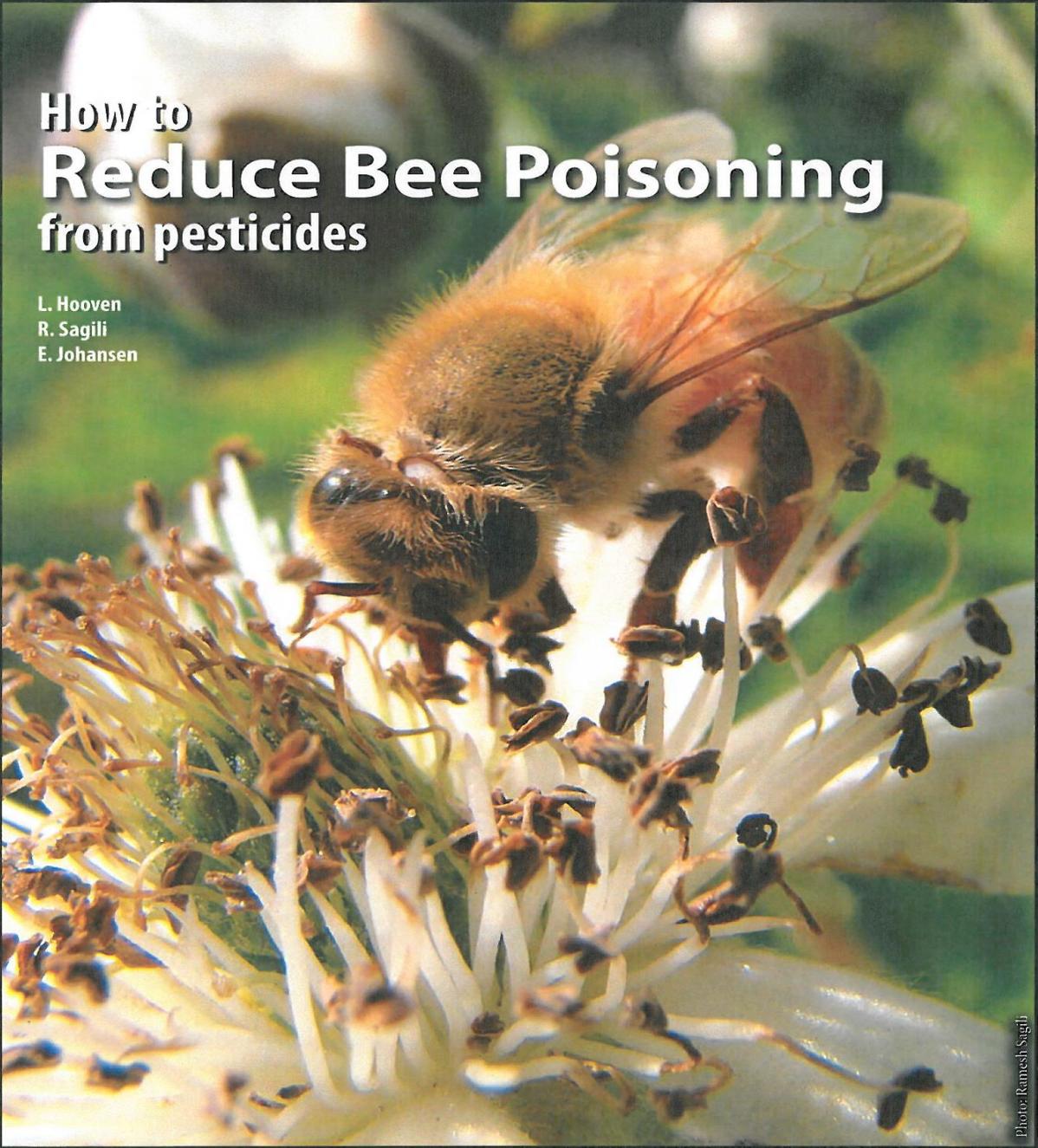
Treatment area night of 4-19 & 20

Bees sampled 4-22
Dead bees observed

Bees sampled 4-24

Image U.S. Geological Survey
© 2010 Google

Google



How to Reduce Bee Poisoning from pesticides

L. Hooven
R. Sagili
E. Johansen

Photo: Ramesh Sagili



WSDA Case - Human Exposure





Google

our Guide



1991

Imagery Date: 5/29/2014 lat 47.758542° lon -118.360275° elev 2460 ft eye alt

- 4901 Vest Worn by Worker
 - 19 microgrms clodinafos-propargyl
 - 6.9 microgrms MCPA
 - 0.70 microgrms prosulfuron
- 4902 Swabs- Scraper Interior
 - ND clodinafos-propargyl
 - ND MCPA at MDL
 - 0.065 microgrms prosulfuron
- 4903 Swabs – Scraper Exterior
 - 11 microgrms clodiafos-propargyl
 - 11 microgrms MCPA
 - 0.42 microgrms prosulfuron
- 4904 Foliage – North side of road shoulder
 - 0.28 ppm clodinafos-propargyl
 - 1.5 ppm MCPA
 - 1.5 ppm 2,4-D
 - 0.021 ppm prosulfuron
- 4905 Foliage – South side road shoulder
 - 0.11 ppm clodinafos-propargyl
 - 5 ppm MCPA
 - 0.73 ppm 2,4-D
 - 0.026 ppm prosulfuron
- 4906 Foliage – Treated Target weeds in wheat
 - 0.40 ppm clodinafos-propargyl
 - 11 ppm MCPA
 - 1.3 ppm 2,4-D
 - 0.048 ppm prosulfuron
- 4907 Swabs – Another Scraper exterior
 - 4.8 microgrms clodinafos-propargyl
 - 17 microgrms MCPA
 - 3.3 microgrms prosulfuron







REMEMBER!... Record Your Pesticide Applications

PESTICIDE APPLICATION RECORD (Version 2)

NOTE: Application information must be completed same day as the application and must be retained for seven years (Ref. chapter 17.21 RCW)

1. Name & Address of Person for Whom Pesticide was Applied:
Harry Farmer
29 Dusty Road
Pasco, WA 99301

2. Applicator Name and Address (if different from #1):
Harry Farmer
355 Desert Lane, Pasco, WA 99301

Tel. No. **509.555.2222** Lic. No. **Lic # 29853**

3. Full, complete address or exact location of application. (NOTE: If the application is made to one acre or more of agricultural land, the field location must be shown on the map on page two of this form.)

see map in back of binder

4. Misc. Info:

5. Date and Time of Application (Start and Stop)	6. Crop or Site Treated	7. Acres Treated (or other measure)	8. FULL PRODUCT NAME	9. EPA Registration Number	10. Amount of Product Applied		11. Concentration	12. Weather Conditions, (wind direction, velocity, temperature). Apparatus License Plate No. and Name and License No. of person(s) who applied pesticide
					Rate per acre (or other measure)	Total Product Applied		
July 31, 12 7:00 AM to 7:30 AM	Sweet Corn <input type="checkbox"/> Air <input checked="" type="checkbox"/> Ground <input type="checkbox"/> Chemigation	50 acres	Kill-it-All Weed Killer EC	6013-666	2 oz per acre	100 oz	10 gal /acre gpa	SW (225°) 6-8 mph 75 to 85 °F John Sprayer #23456
	<input type="checkbox"/> Air <input type="checkbox"/> Ground <input type="checkbox"/> Chemigation							
	<input type="checkbox"/> Air <input type="checkbox"/> Ground <input type="checkbox"/> Chemigation							
	<input type="checkbox"/> Air <input type="checkbox"/> Ground <input type="checkbox"/> Chemigation							

Pesticide Application Record Keeping

- After each application or at the end of each day, 13 items must be recorded. PCO's must also record the target pest.
- Records are to be kept on file and readily available for 7 years.



WSDA
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