

Understanding Pesticide Labels

- Pesticide labels are legal documents containing directions for use, handling, storage, and disposal of a pesticide product.
- With so many sections on a label, it can be difficult to discern what you need to know.
- This document can help with understanding how a label is designed and what information is provided within each section.

Pesticide labels are legal documents that are required to provide directions on how to properly mix, apply, store, and dispose of a pesticide product. These directions are designed to help ensure the safe and effective use of pesticides. Failure to comply with label directions can potentially harm humans and the environment, as well as lead to possible legal liability. The label must be read and understood prior to use.

Understanding Pesticide Labels

GLYPHOSATE GROUP 9 HERBICIDE

SPECIMAN LABEL FOR EDUCATIONAL PURPOSES ONLY

Roundup ¹ PowerMAX[®] 3 HERBICIDE



Specially formulated
for Roundup Ready[®] crops

Complete Directions for Use

Selective broad-spectrum weed control in Roundup Ready[®] and other listed glyphosate tolerant crops
Non-selective, broad-spectrum weed control for many agricultural systems and farmsteads

2	ACTIVE INGREDIENT:		
	*Glyphosate, N-(phosphonomethyl) glycine, in the form of its potassium salt:	51.2%	
	OTHER INGREDIENTS:	48.8%	
		100.0%	

* Contains 705 grams of the active ingredient glyphosate, in the form of its potassium salt, per liter or 5.88 pounds per U.S. gallon, which is equivalent to 575 grams of the acid, glyphosate, per liter or 4.8 pounds per U.S. gallon (41.8% by weight).

Keep out of reach of children

3 CAUTION

See inside for additional precautions.

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

AVOID CONTACT OF THIS HERBICIDE WITH FOLIAGE, GREEN STEMS, EXPOSED NON-WOODY ROOTS OR FRUIT OF CROPS, DESIRABLE PLANTS AND TREES, EXCEPT AS DIRECTED FOR USE ON ROUNDUP READY[®] AND OTHER LISTED GLYPHOSATE TOLERANT CROPS, AS SEVERE PLANT INJURY OR DESTRUCTION COULD RESULT.

FOR PRODUCT INFORMATION OR ASSISTANCE USING THIS PRODUCT,
CALL TOLL-FREE, 1-866-99BAYER (1-866-992-2937).

IN CASE OF AN EMERGENCY INVOLVING THIS HERBICIDE PRODUCT,
OR FOR MEDICAL ASSISTANCE, CALL COLLECT, DAY OR NIGHT, 1-800-334-7577.

EPA Reg. No. 524-659

EPA Est. 524-1A-1

Packed For:
BAYER CROPSCIENCE LP
800 N. LINDBERGH BLVD.
ST. LOUIS, MISSOURI, 63167 USA

©2020 Bayer Group. All rights reserved.

US30053528C 200317063 11/20

The number on the text below matches the number in the box for each section of the label in the left column.

1 - Commercial Product Name

- The product name usually does not identify all of the active ingredients in a pesticide product.
- There may be several trade names for one common name due to different formulations or manufacturers.

2 - Active Ingredient

- Every label must list all of the active ingredients in a product by weight and/or pounds per gallon for each active ingredient.
- The common and chemical names are unique identifiers of each pesticide active ingredient.

3 - Signal Words

- Helps users assess the toxicity of each product. The signal word is based on the toxicity of all of the contents of a formulated product.
 - » Danger Poison with skull and crossbones – product is highly toxic by any route of entry

into the body.

- » Danger – product is corrosive and can cause irreversible skin or eye irritation.
- » Warning – product is moderately toxic if exposure is by mouth, skin, or inhalation.
- » Caution – product is slightly toxic if exposure is by mouth, skin, or inhalation; or a slight skin or eye irritation.

4 - EPA Registration Number and Establishment Number

- Indicates that the pesticide product has been registered and its label was approved for sale by the Environmental Protection Agency (EPA) and identifies the facility that produced the product.

5 - Statement of Practical Treatment (first aid):

- Tells users and medical professionals the type of emergency first aid needed in case of an accident.

Understanding Pesticide Labels

6 - Personal Protective Equipment (PPE)

- Specific information outlining the minimum protective clothing and gear that must be worn during handling, mixing, and application of the product.

7 - Environmental Hazards

- Directions for users to protect their safety and the safety of the environment.

8 - Directions for Use

- Proper mixing, handling, and application procedures.
- Pests controlled
- Crops approved for use
- Application use rates
- Application methods and timing
- Application equipment and calibration
- Product mixing with other pesticides and adjuvants in water, fertilizer, or irrigation water.
- Drift management, resistance management, and other pesticide-specific information.

9 - Storage and Disposal

- Guidelines for proper storage, disposal, and handling spills.

Attention

This specimen label is provided for general information only.

- This pesticide product may not be available or approved for sale or use in your area.
- It is your responsibility to follow all Federal, state, and local laws and regulations regarding the use of pesticides.
- Before using any pesticide, be sure the intended use is approved in your state or locality.
- Your state or locality may require additional precautions and instructions for use of this product that are not included here.
- Bayer does not guarantee the completeness or accuracy of this specimen label. The information found in this label may differ from the information found on other product labels. You must have the EPA approved labeling with you at the time of use and must read and follow all label directions.
- You should not base any use of a similar product on the precautions, instructions for use, or other information you find here.

FIRST AID	
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. • Call a poison control center or doctor for treatment advice.
IF ON SKIN OR CLOTHING	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 to 20 minutes. • Call a poison control center or doctor for treatment advice.

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 could 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, socks and shoes.

Follow manufacturer's instructions for cleaning/maintaining PPE (Personal Protective Equipment). If there are no 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 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 wash waters and rinsate.

3.3 Physical or Chemical Hazards

Spray solutions of this product may be mixed, stored and applied using 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 can form a highly combustible gas mixture. This gas mixture could flash or explode if ignited by open flame, spark, welder's torch, lighted cigarette or other ignition source and cause serious personal injury.

5

8

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in any manner inconsistent with its labeling. This product may only be used in accordance with the Directions for Use on this label or on separately published supplemental labeling. Supplemental labeling for this product can be obtained from your Authorized Bayer CropScience LP Retailer or Bayer CropScience LP Representative.

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.

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.

6

9

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 or 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 the 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: Nonrefillable container. Do not reuse this container to hold materials other than pesticides or dilute pesticides (rinsate). After emptying and cleaning, it may be allowable to temporarily hold rinsate or other pesticide-related materials in this container. Contact your state regulatory agency to determine allowable practices in your state. Triple rinse or pressure rinse (or equivalent) this container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or mix-tank and continue to drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or mix-tank, or store rinsate for later use or disposal. Continue to drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Pressure rinse as follows: Empty the remaining contents into application equipment or mix-tank and continue to drain for 10 seconds after the flow begins to drip. Place container so that it can drain directly into application equipment or mix-tank while rinsing, or collect rinsate for later use or disposal.

7

- Always follow the precautions and instructions for use on the label of the pesticide you are using.

Sources

University of Illinois. Labels and labeling. Pesticide Safety Education program.

Michigan State University. 2001. Reading a pesticide label. Extension Bulletin E-2182.

University of Nevada. Understanding pesticide labels. Fact Sheet 11-38.

Gripp, S. 2020. What you need to know about reading a pesticide label. Pennsylvania State University Extension. <https://extension.psu.edu/what-you-need-to-know-about-reading-a-pesticide-label>.

Legal Statements

ALWAYS READ AND FOLLOW PESTICIDE LABEL DIRECTIONS. Performance may vary, from location to location and from year to year, as local growing, soil and weather conditions may vary. Growers should evaluate data from multiple locations and years whenever possible and should consider the impacts of these conditions on the grower's fields.

Not all products are registered in all states and may be subject to use restrictions. The distribution, sale, or use of an unregistered pesticide is a violation of federal and/or state law and is strictly prohibited. Check with your local dealer or representative for the product registration status in your state. Tank mixtures: The applicable labeling for each product must be in the possession of the user at the time of application. Follow applicable use instructions, including application rates, precautions and restrictions of each product used in the tank mixture. Not all tank mix product formulations have been tested for compatibility or performance other than specifically listed by brand name. Always predetermine the compatibility of tank mixtures by mixing small proportional quantities in advance. Bayer, Bayer Cross and Roundup PowerMAX® are registered trademarks of Bayer Group. For additional product information call toll-free 1-866-99-BAYER (1-866-992-2937) or visit our website at www.BayerCropScience.us. Bayer CropScience LP, 800 North Lindbergh Boulevard, St. Louis, MO 63167. ©2021 Bayer Group. All rights reserved. 1034_S1