

71995-24



12/17/2003

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

DEC 17 2003

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

Ms. Rhonda M. Mannion
Monsanto Company, Lawn & Garden Products
600 13th Street, N. W., Suite 660
Washington, DC 20005

Dear Ms. Mannion:

Subject: Glyphosate 27% Concentrate (Change Name and Revise Master Label)
EPA Registration No. 71995-24
Application Dated October 8, 2003

The registration record for this product has been amended to delete the brand names "Roundup Large Area Concentrate" and "Roundup Lock N' Spray" from the record and change the name to "Glyphosate 27% Concentrate".

The labeling referred to above submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended is acceptable, provided you make the following changes before you release the product for shipment.

1. Under "Storage and Disposal" revise "Storage" for all container types to read "Pesticide Storage".
2. Revise your Disposal section to read as below. Refer to PR Notice 2001-6 and the Label Review Manual 3rd Edition for discussion.

If empty: Do not reuse this container. Place in trash or offer for recycling is available.
If party filled: Call your local solid waste agency or (1-800-CLEANUP) for disposal instructions.
Never place unused product down any indoor or outdoor drain.

Submit three (3) copies of your final printed labeling incorporating the above changes. Amended labeling will supercede all previously accepted ones. A stamped copy of labeling is enclose for your records.

Sincerely

James A. Tompkins
James A. Tompkins
Product Manager 25
Herbicide Branch
Registration Division (7505C)

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Glyphosate 27% Concentrate

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Editorial Notes : Bracketed text [] is for internal use or serves as a placeholder for graphics.

Parenthetical text () denotes optional wording

[Refer to Appendix 1 for consolidated list of label claims]

Glyphosate 27% Concentrate [Insert distributor brand name]

**ACCEPTED
with COMMENTS
In EPA Letter Dated:**

DEC 17 2004

*Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under EPA Reg. No.*

71945-24

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

Active Ingredient

glyphosate, isopropylamine salt	27.0%
Other Ingredients	73.0%

Read precautions and directions on back label
(See back panel for additional precautionary statements)

NET [16, 32, 64, 128 fl oz] FL OZ []

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**PULL HERE TO OPEN LABEL
PEEL HERE (PRESS TO RESEAL)
Open Resealable Label for Directions & Precautions**

[Optional Section]

[Insert brand name] will kill almost all annual and perennial weeds, grasses, and other unwanted plants. Mix *[Insert brand name]* with water and use to control weeds on driveways and walkways, or around fences, trees, flower beds, shrubs, and other areas in your yard. This product can also be used for large jobs such as lawn restoration (renovation) and garden plot preparation. *[Insert brand name]* kills weeds by stopping the production of a substance found in plants. Any product not absorbed by plant breaks down into natural materials. *[Insert brand name]* will not move in or on the soil to untreated plants.

[Optional Product Usage Table]

Kills:	Weeds and grasses
Use on:	Patios, walkways or driveways
	Around fruits, vegetables, flowers, shrubs or trees
	Along fences
In Large Areas:	For lawn replacement
	For garden replacement

Questions, Comments Call *[insert telephone number and/or insert website]*

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. **READ ENTIRE LABEL. USE ONLY ACCORDING TO LABEL INSTRUCTIONS.**

WHEN TO USE

Use anytime weeds are actively growing. (Most treated weeds usually show initial symptoms within 1 week (in 2-4 days) and complete kill in 1 to 2 weeks. Larger more established weeds may take up to 4 weeks for complete kill.) For best results, apply on a warm sunny day when daytime temperature is above 60° F and no rainfall is forecast for 24 hours. Warm, sunny weather will speed up weed control. Apply only when air is calm. Reapply if it rains within 6 hours (2 hours) after application. (Rainfall or watering 6 (2) hours after application will not wash away effectiveness.) Hard-to-control weeds (such as bermudagrass) may require a repeat application if they regrow. NOT recommended for spot weed control in lawns since *[Insert brand name]* kills all green plants, including lawn grass.

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WHERE TO USE [Optional section]

General Weed Control: Use along fences, paths, patios, sidewalks and driveways, around trees, shrubs, and ornamental plantings and flower beds, around buildings, and in brick and gravel walkways. Use to trim and edge landscape areas. Do NOT use for spot weed control in lawns since [Insert brand name] kills all green plants, including lawn grass.

Spot Spraying: Use on actively growing weeds in and around flower beds, ornamental trees, fruit and nut trees, grapevines, shrubs, fences, driveways and walkways. Spray when air is calm. Make sure [Insert brand name] does not contact the leaves, green stems, or exposed roots of plants you don't want to kill. If necessary, use cardboard or plastic to shield plants. [insert brand name] will not move in or on the soil to untreated plants. If [Insert brand name] is used to control weeds around fruit or nut trees or grapevines, allow 21 days before eating the fruit or nuts.

Landscaping: Use to prepare areas for planting of ornamentals, trees, shrubs, desert landscapes, rock gardens, flower beds or similar plantings. Treated areas can be replanted 1 day after treatment.

Lawn Renovation:

- Use [Insert brand name] to kill existing weeds and grasses including the (old) lawn.
- For best results, apply in Spring or Fall, when daytime temperatures are at least 60° F.
- Under dry conditions, water lawn every other day for a week before using this product.
- Do not mow for 7 days before and after treatment.
- After 7 days, prepare the soil for planting by raking or rototilling the lawn. Rake up and remove loosened thatch or debris.
- Mix in starter fertilizer and other amendments, if needed. Level the soil.
- Apply seed according to directions on seed package, or install sod. Grass seed must have good contact with soil to germinate and grow.
- Keep area moist for 2 weeks, to establish new lawn, then water as needed.

Brush Control: Use when brush is green and growing. If plants are taller than 5 feet, cut back and spray regrowth. Brush sprayed in the fall may not be fully controlled until the following season. Hard-to-control species such as Blackberry, Kudzu, or Poison Oak may require a second application.

Stump Treatment: Stumps can be treated to prevent regrowth. For best results, treat when the vegetation is actively growing and within 5 minutes of being cut down.

- Cut the stump close to the soil surface
- Drive 4-5 nail holes into the stump
- Flood the stump with undiluted product

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This treatment will control or suppress many types of woody brush and trees, such as alder, bluegum, eucalyptus, madrone, oak, giant reed, saltcedar, sweetgum, and tan oak.

To Kill Vines:

- If vine is growing up a pole, fences, or mature tree trunk, cut vine to a height of 3 to 4 feet and spray to thoroughly cover remaining vine.
- If vine is climbing a shrub or immature (green) tree trunk, cut vines at base and spray its regrowth. Shield shrubs and green bark from spray drift with a sheet (piece) or cardboard or plastic.

HOW TO USE

IMPORTANT: *[Insert brand name]* is an all-purpose weed and grass killer which will kill almost all (most) plants contacted. If necessary, use cardboard or plastic to shield desirable plants. If plants are accidentally sprayed, rinse off immediately with water. Spray when air is calm. Spray to evenly wet the weed.

To apply this product use:

- Plastic, aluminum, or stainless steel tank sprayer
- ORTHO DIAL N SPRAY®
- ORTHO SPRAY-ETTE®
- Other hose-end sprayer recommended for weed killers
- Hand-trigger sprayer

Do not use or store solutions of this product in galvanized steel or unlined steel sprayers, or apply through any type of irrigation system or with a sprinkling can.

Rinse sprayer and flush all sprayer components with water 3 times after use. Spray rinse water on bare soil or gravel. After very thorough cleaning, sprayer may be used to apply other products.

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Use the following table to determine the amount of *[insert brand name]* you need. Close cap tightly after use.

1 fl oz = 2 Tbs

APPLICATOR	MIXING INSTRUCTIONS	AREA TO TREAT
Tank Sprayer	Use 6 oz (12 Tbs) in 1 gallon of water.	Spray to evenly wet. Covers 300 sq. ft. (30 ft X 10 ft)
ORTHO DIAL N SPRAY®	Add 6 oz (12 Tbs) to sprayer jar. DO NOT ADD WATER. Set dial to 6 oz and spray.	Spray to evenly wet. Covers 300 sq. ft. (30 ft X 10 ft)
ORTHO SPRAY-ETTE®	Add 24 oz to sprayer jar. Fill to the 4 gallon mark and spray.	Spray to evenly wet. Covers 1200 sq. ft. (30 ft X 40 ft)
Hand Trigger Sprayers	Use 2 Tbs in 24 oz of water	Use for spot treatments or single weeds.

For easy to kill weeds such as seedlings, use 3 oz (6 Tbs) to 1 gallon of water.

[Alternate mixing instructions for measuring cap container]

Measuring cap: To open, squeeze cap sides at the points indicated while unscrewing. The measuring cap has four levels indicated inside. The following table and the measuring cap should be used to determine the amount of *[insert brand name]* you need. Close cap tightly after use. No need to rinse.

- Level 1 = 1 teaspoon (tsp)
- Level 2 = 1 tablespoon (Tbs) = 3 tsp
- Level 3 = 1 fl oz (2 Tbs)
- Level 4 = 2 fl oz (4 Tbs)

APPLICATOR	MIXING INSTRUCTIONS	AREA TO TREAT
Tank Sprayer	Fill cap to Level 4 three times (12 Tbs). Add to 1 gallon of water.	Spray to evenly wet. For lawn renovation, covers 300 sq. ft. (30 ft X 10 ft)
ORTHO DIAL N SPRAY®	Fill cap to Level 4 three times (12 Tbs) and add to sprayer jar. DO NOT ADD WATER. Set dial to 6 oz.	Spray to evenly wet. For lawn renovation, covers 300 sq. ft. (30 ft X 10 ft)
ORTHO SPRAY-ETTE®	Fill cap to Level 4 twelve times (24 oz) and add to sprayer jar. Fill to the 4	Spray to evenly wet. For lawn renovation, covers 1200 sq. ft. (30 ft X 40 ft)

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	gallon mark and spray.	
Hand Trigger Sprayers	Fill cap to Level 3 and add to 24 oz of water	Use for spot treatments or single weeds.

For easy to kill weeds such as seedlings, use 3 oz (6 Tbs) to 1 gallon of water.

WEEDS CONTROLLED [Optional Section]

Weeds Controlled Include: Bahiagrass, Barnyardgrass, Bermudagrass, CanadaThistle, Chickweed, Common Ragweed, Crabgrasses, Dandelion, Fescues, Field Bindweed, Field Sandbur, Foxtail, Johnsongrass, Kentucky Bluegrass, Kudzu, Lambsquarter, Orchardgrass, Perennial Ryegrass, Poison Ivy, Poison Oak, Quackgrass, Red Clover, Shepardspurse, Smooth Bromegrass, Sowthistle, White Clover, and Yellow Nutsedge

[OR alternate text]

CONTROLS WEEDS AND GRASSES INCLUDING:

General Weed Control (Annuals)

Annual Bluegrass	Creeping Beggarweed	Horseweed/marestail	Sandspur
Annual Ryegrass	Diffuse Lovegrass	Knotweed	Shepherdspurse
Barnyardgrass	Dog Fennel	Lambsquarters	Smooth Cat's Ear
Beggarweed	Evening Primrose	Little Bitter Cress	Smooth Pigweed
Black Medic	Fall Panicum	London Rocket	Sowthistle
Blue Mustard	Fiddleneck	Maiden Cane	Spotted Spurge
Blue Toadflax	Field Pennycress	Mallow	Sprangletop
Brassbuttons	Field Sandbur	Mayweed	Tansy Mustard
Bromegrass	Filaree	Mouseear Chickweed	Tansy Ragwort
Bur Clover	Florida Pusley	Pennsylvania Smartweed	Teaweed
Buttercup	Foxtail	Prickly Lettuce	Texas Panicum
Chickweed	Garden Spurge	Prostrate Spurge	Tumble Mustard
Common Groundsel	Goosegrass	Puncture Vine	Witchgrass
Common Plantain	Henbit	Redroot Pigweed	Wild Mustard
Crabgrass			

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Tough Weed Control (perennials, Brush)

Alder	Dallisgrass	Nimblewill	Smooth Bromegrass
Artichoke Thistle	Dewberry	Nutsedge	Smooth Bentgrass
Bahiagrass	Elderberry	Oak species	St. Augustinegrass
Bentgrass	False Dandelion	Oldenlandia	Sumac
Bermudagrass	Fescue species	Orchardgrass	Tall Fescue
Blackberries	Field Bindweed (Wild Morningglory)	Oxalis	Timothy
Broadleaf Plantain	Guineagrass	Pampasgrass	Torpedograss
Canada Thistle	Honeysuckle	Pennywort	Trumpetcreeper
Cattail	Horsenettle	Perennial Ryegrass	Vaseygrass
Ceanothus	Horseradish	Poison Hemlock	Virginia Creeper
Cherry species	Iceplant	Poison Oak	White Clover
Cocklebur	Johnsongrass	Poison Ivy	Whitetop
Cogongrass	Kentucky Bluegrass	Primrose	Wild Barley
Common Mullein	Kikuyugrass	Purple Nutsedge	Wild Oats
Common Ragweed	Knapweed	Quackgrass	Wild Sweet Potato
Coyote Brush	Kudzu	Quaking Aspen	Willow
Creeping Bentgrass	Lantana	Ragweed	Yellow Nutgrass
Creeping Charlie	Milkweed	Raspberry	Yellow Starthistle
Curly dock	Multiflora Rose	Red Clover	Zoysia
Dandelion	Nightshade silverleaf		

[Optional phone icon] For Information regarding specific weeds controlled by this product call [insert number].

WHEN TO REPLANT (RE-SEEDING AND REPLANTING IN SPRAYED AREAS)

- All ornamental flowers, trees and (&) shrubs may be planted **1 day after** application.
- The following berries may be planted **1 day after** application:
Blackberry, Blueberry, Boysenberry, Cranberry, Currant, Dewberry, Elderberry, Gooseberry, Huckleberry, Loganberry, Olallieberry and (&) Raspberry (Black and (&) Red).
- The following fruits, vegetables &(and) herbs may be planted **1 day after** application:
Artichoke (Jerusalem), Beans (all), Beet Greens, Broccoli, Brussel Sprouts, Cabbage (all), Carrot, Cauliflower, Celery, Chard (Swiss), Chicory, Collards, Endive, Horseradish, Kale, Kohlrabi, Leek, Lentils, Lettuce, Mustard Greens,

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- Okra, Onion, Rape Greens, Parsley, Parsnips, Potato, Turnip & (and) Yams.
- The following fruits, vegetables & (and) herbs may be planted **3 days after** application:
Corn, Cucumber, Eggplant, Garlic, Gourds, Melons (all), Peas (all), Peppers (all), Pumpkin, Squash (summer & (and) winter, Tomatillo, Tomato (by seed) & (and) Watercress.
- Lawn grasses may be planted **7 days after** application.
- Tomatoes from transplant & (and) unlisted fruits, vegetables & (and) herbs may be planted **30 days after** application.

[Optional text] This product can be used to refill [insert brand name for ready-to-use product].

STORAGE AND DISPOSAL

STORAGE: Store in original container in a safe place away from direct sunlight.

DISPOSAL:

Empty Container: Do not reuse container. Put in trash. (Recycle where available).
Partially Full Container: Call your local waste disposal service or 1-800-CLEANUP. Never pour product down any drain.

PRECAUTIONARY STATEMENTS

**HAZARDS TO HUMANS & DOMESTIC ANIMALS
CAUTION**

Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling.

[Optional reentry icon] People and pets may enter treated areas after spray has dried.

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FIRST AID	
If in eyes	<ul style="list-style-type: none"> ● Hold eye open and rinse slowly and gently for 15-20 minutes. ● Remove contact lenses, if present, after first 5 minutes, then continue rinsing. ● Call a poison control center <i>[insert optional contact telephone #]</i> or doctor for treatment advice.
Emergency Medical Information	
<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 contact <i>[insert contact telephone #]</i> for emergency medical treatment information.) ● <i>[Optional text]</i> This product is identified as <i>[insert brand name]</i>, EPA Reg. No. 71995-24 <i>[insert company number if distributor product]</i> 	

ENVIRONMENTAL HAZARDS

Do not apply directly to water. Do not contaminate water when disposing of equipment washwaters or rinsate.

WARRANTY AND DISCLAIMER NOTICE: Buyer assumes all responsibility for safety and use not in accordance with directions. (Product guaranteed to the extent of purchase price, only when used according to label directions.)

Manufactured (Distributed) for
[name and address]

Form _____

EPA Reg. No. 71995-24-*[insert company number for distributor product]*

EPA Est. _____

Made in USA

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APPENDIX 1 - Consolidated List of Label Claims

- A single application kills most weeds
- Built-in Measuring Cap
- Can be used over the root zone of trees, shrubs, or desirable plants
- Can reseed or sod lawns 7 days after treatment
- Child resistant cap
- Completely kills even the toughest weeds and grasses
- Concentrated for extra value
- Controls existing weeds, is not preemergent
- Covers up to 300 sq ft per gallon of spray, 75 sq ft per quart, 55 sq ft per 24 oz
- Dead weeds guaranteed
- Does not have soil activity
- Economical – mix 12 tablespoons (6 oz) per gallon
- Effects within one week (initial symptoms in 2-4 days) with complete kill in 2 to 4 weeks (1 to 2 weeks)
- Eliminates roots and weeds (guaranteed)
- For general weed control – Kills Weeds and Grasses in 2 to 4 weeks – Roots & All (Formula) Enters the plant within 6 (or 2) hours (won't wash off)
- Guaranteed results in one application
- Ideal for tough weeds in flower beds and vegetable gardens
- Kills the root (so weeds won't grow back)
- Kills over 175 types of weeds (as listed)
- Kills grass and weeds around flower beds, trees, shrubs, and sidewalks
- Kills to the root
- Kills tough and hard-to-kill weeds!
- Kills/spray weeds in flower beds and around fences, trees, driveways, walkways, and shrubs, in and around fences, patios, paths, sidewalk cracks, walkways
- Kills tough weeds in 1 to 2 weeks (roots and all)
- Kills unwanted weeds and grasses, (roots and all)
- Kills weeds and grasses (down to the root)
- Kills weeds roots and all
- Makes up to __ gallons
- Mix with water to make up to 5/21 gallons of spray solution (varies with qt/gal container size)
- Multipurpose grass & broadleaf weed control
- New (formula)
- NEW! LARGER SIZE Covers XX sq. ft.
- NEW! MEASURING CAP AND POUR SPOUT INCLUDED
- New, improved formula
- No odor
- No root, no weed, guaranteed
- No root. No weed. No problem.

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- Now easier to measure and pour
- Ornamental gardens can be reseeded or planted 1 day after treatment
- Rainproof in 6 (or 2) hours
- Rainfast (rainproof) in hours
- Rainfall or watering within 6 (or 2) hours after application will not wash away effectiveness
- Rainfall within 6 (or 2) hours could affect performance
- Rainfast (rainproof) in hours
- Rainproof in 6 (2) hours
- Satisfaction guaranteed or your money back with proof of purchase
- Single application controls (kills) most weeds
- Spray woody brush, trees, and vines around houses, buildings, wooded lots, vacant lots, storage and recreational areas and along fences and driveways, or anywhere tough weeds are growing.
- Sprayed areas can be reseeded or replanted 1 day after application in a flower bed
- Starts working in 24 hours
- Treats up to ___ sq. feet
- Use in or around vegetable gardens (flower beds, trees, shrubs)
- Use in/apply with a BIG SHOT™ Multi-purpose sprayer or other tank sprayer, ORTHO® DIAL N' SPRAY®, ORTHO SPRAY-ETTE® or other ORTHO hose-end sprayers
- Use to prepare sites for large plantings, for planting flower beds, for planting fruit trees, ornamentals, vegetables, garden sites, and to renovate lawns
- Use to refill Roundup Ready-To-Use
- Used by American Zoo and Aquarium Association Member Zoos to effectively control weeds
- Uses for Stump Treatment
- Visible results in 7 days
- Water-based formula
- Yellowing and wilting in (about) 24 hours
- Starts working overnight

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Description of Changes for 071995-00026.20031008.pdf

The label amendment includes the following changes:

- Updated First Aid per PR Notice 2001-1
- Updated Disposal Statements per PR Notice 2001-6
- Updated product claims (Appendix 1)
- Reformatted label