

PM 25 27 16 6

11/7/95

NOV - 7 1995

Ms. Katherine A. Buteau
The Solaris Group of Monsanto Company
P.O. Box 5006
San Ramon, CA 94583-0906

Dear Ms. Buteau:

Subject: Roundup Concentrate Weed and Grass Killer (Revise Precautionary Labeling)

EPA Registration No. 229-2636
Your Application Dated September 6, 1995

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 change.

--Delete the animal logo for the American Zoo and Aquarium Association Species Survival Plan. Refer to previous correspondence dated September 25, 1995 discussing graphics and logos.--

Please submit three (3) copies of your final printed labeling bearing this change. A stamped copy of labeling is enclosed for your records.

Sincerely,

Robert J. Taylor
Product Manager 25
Fungicide-Herbicide Branch
Registration Division (7505C)

BEST AVAILABLE COPY

CONCURRENCES

SYMBOL	25025						
SURNAME	Wright						
DATE	11/6/95						

FRONT PANEL

Roundup® Concentrate Weed & Grass Killer

78

NEW! MEASURING CAP AND POUR SPOUT INCLUDED
NEW! LARGER SIZE Covers xx sq ft
Now easier to measure and pour
Child resistant cap
Kills the root so weeds don't come back
No root. No weed. No problem.

ACCEPTED
with COMMENTS
In EPA Letter Dated
NOV -7 1995

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
331-2636

No odor
Water - based formula
Mix with water to make up to 10 / 21 gallons of spray solution (varies with qt / gal container size)

Covers up to 300 sq ft per gallon of spray, 75 sq ft per qt, 55 sq ft per 24 oz
Does not have soil activity, Controls existing weeds, is not a preemergent
Kills unwanted weeds and grasses, roots and all, kills to the root, kills weeds roots and all
) 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
Kills / spray weeds in flower beds and around fences, trees, shrubs, driveways, walkways and shrubs, in and around fences, patios, paths, sidewalk cracks, walkways

Economical- mix 6 to 12 Tablespoons (3 - 6 oz) per gallon, Concentrated For Extra Value
Satisfaction guaranteed or your money back with proof of purchase

Use to refill Roundup Ready-To-Use
[animal logo] - American Zoo and Aquarium Association Species Survival Plan
For General Weed Control - Kills Weeds And Grasses In 2 To 4 Weeks - Roots & All
New, Improved Formula
Multipurpose Grass & Broadleaf Weed Control
, Visible Results In 7 Days
Can Reseed or Sod Lawns 7 Days After Treatment
Ornamental gardens can be reseeded or planted 1 day after treatment

KEEP OUT OF REACH OF CHILDREN
CAUTION Read precautions and directions on back label.
[Fix-a-Form label] See back panel booklet for additional precautionary statements

Active Ingredient
Glyphosate, N-(phosphonomethyl)glycine in the form of its isopropylamine salt 18.0%
Inert Ingredients 82.0%

Net 16 fl oz (1 pt) 473mL, 32 fl oz (1 qt) 946mL, or 64 fl oz (1/2 gal) 1.89 L
Net 250mL, 500mL, 750 mL, 1L, or 1.89 L, 2L

Roundup® Concentrate Weed & Grass Killer FULL HERE TO OPEN LABEL

3/8

Roundup® Concentrate will kill almost all annual and perennial weeds, grasses and other unwanted plants. Mix Roundup Concentrate with water and use on driveways and walkways, or around fences, trees, flower beds, shrubs and other areas in your yard. Roundup can also be used for large jobs such as lawn renovation, vegetable and flower garden preparation. Roundup kills weeds by stopping the production of a substance found only in plants. Any Roundup not absorbed by the plant breaks down into natural materials. Roundup will not move in or on the soil to untreated plants.

Peel open for use directions and further information

PRESS HERE TO RESEAL

CAUTION: May cause eye irritation. Avoid contact with skin, eyes or clothing. SEE ADDITIONAL PRECAUTIONARY STATEMENTS AND DIRECTIONS INSIDE BOOKLET.

☐ **Medical Information call collect 1-314-694-4000.**
Product Information call 1-800-225-2883

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).

REFORMULATION OR REPACKAGING FOR SALE IS PROHIBITED

®Trademark of Monsanto Company
©MONSANTO COMPANY 1995

Manufactured for
The SOLARIS Group of Monsanto Company
P.O. Box 5008
San Ramon CA 94583-0808
Form RS854-A / Product 6041
EPA Reg. No. 239-2636
EPA Est. 239-IA-3^I, 524-LA-1^L, 56100-LA-1^G
Superscript is first letter of lot number
Made in USA

[Inside back booklet]

Roundup® Concentrate will kill almost all annual and perennial weeds, grasses and other unwanted plants. Mix Roundup Concentrate with water and use on driveways and walkways, or around fences, trees, flower beds, shrubs and other areas in your yard. Roundup can also be used for large jobs such as lawn renovation, vegetable and flower garden preparation. Roundup kills weeds by stopping the production of a substance found only in plants. Any Roundup not absorbed by the plant breaks down into natural materials. Roundup will not move in or on the soil to untreated plants.

CONTROLS WEEDS AND GRASSES INCLUDING:

General Weed Control (Annuals)

Annual Ryegrass	Creeping Beggarweed	Knotweed	Prostrate Spurge
Annual Bluegrass	Diffuse Lovegrass	Lambsquarters	Puncture Vine
Barnyardgrass	Dog Fennel	Little Bitter Cress	Redroot Pigweed
Beggarweed	Evening Primrose	London Rocket	Sandspur
Black Medic	False Dandelion	Maiden Cane	Shepherdspurse
Blue Toadflax	Fiddleneck	Mallow	Smooth Cat's Ear
Brassbuttons	Field Pennycress	Mayweed	Smooth Pigweed
Bromegrass	Field Sandbur	Mouseear Chickweed	Sowthistle
Bur Clover	Filaree	Oxalis	Spotted Spurge
Chickweed	Florida Pusley	Pennsylvania	St. Augustinegrass
Common Groundsel	Foxtail	Smartweed	Tansy Ragwort
Common Plantain	Garden Spurge	Prickly Lettuce	Tansy Mustard
Crabgrass	Henbit		

Tough Weed Control (Perennials, Brush)

Alder	Elderberry	Oxalis	Timothy
Bahiagrass	False Dandelion	Pennywort	Torpedograss
Bentgrass	Fescue species	Perennial Ryegrass	Trumpet creeper
Bermudagrass	Field Bindweed (Wild Morningglory)	Poison Oak	Vaseygrass
Blackberries	Honeysuckle	Poison Ivy	White Clover
Broadleaf Plantain	Johnsongrass	Primrose	Whitetop
Canada Thistle	Kentucky Bluegrass	Purple Nutsedge	Wild Barley
Cherry species	Kudzu	Quackgrass	Willow
Common Ragweed	Multiflora Rose	Ragweed	Yellow Nutgrass
Creeping Bentgrass	Nimblewill	Raspberry	Zoysia
Creeping Charlie	Nutsedge	Red Clover	
Curly dock	Oak species	Smooth Bromegrass	
Dandelion	Oldenlandia	St. Augustinegrass	
Dallisgrass	Orchardgrass	Sumac	
Dewberry		Tall Fescue	

• For additional weeds controlled by this product call 1-800-225-2883.

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 DIRECTIONS OBSERVING ALL PRECAUTIONS.**

WHEN TO USE

Use anytime weeds and grasses are actively growing. Treated weeds usually show initial symptoms within 1 week and complete kill in 1 to 2 weeks. Larger more established weeds may take up to 4 weeks for a complete kill. Roundup works best in warm sunny weather with daytime temperature above 60° F. For best results, apply when weeds are small and before seedheads have formed. Reapply, if it rains within 6 hours after application. If hard-to-control weeds are not killed within 4 weeks, reapply.

WHERE TO USE

-) For 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 Roundup kills all green plants, including lawn grass.

For 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.

For 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 Roundup 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. Roundup will not move in or on the soil to untreated plants. If Roundup is used to control weeds around fruit or nut trees or grapevines, allow 21 days before eating the fruit or nuts.

For Lawn Renovation:

- Use Roundup 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 Roundup.
- Do not mow for 7 days before or 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 a good contact with soil to germinate and grow.
- Keep area moist for 2 weeks, to establish new lawn, then water as needed.

For 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.

HOW TO USE

IMPORTANT: Roundup is an all-purpose weed and grass killer which will kill almost all 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.

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 Roundup 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 General Weed Control Annuals	MIXING INSTRUCTIONS Tough Weed Control Perennials, Brush, Lawn Renovation	AREA TO TREAT
Tank Sprayer	Fill cap to Level 3 three times (6 Tbs). Add to 1 gallon of water.	Fill cap to Level 4 three times (12 Tbs). Add to 1 gallon of water.	300 sq ft (30 ft x 10 ft)
ORTHO DIAL 'n SPRAY® Hose-End sprayer	Fill cap to Level 3 three times (6 Tbs) and add to sprayer jar. DO NOT ADD WATER. Set dial to 3 oz and spray.	Fill cap to Level 4 three times (12 Tbs) and add to sprayer jar. DO NOT ADD WATER. Set dial to 5 oz and spray.	300 sq ft (30 ft x 10 ft)
ORTHO SPRAY-ETTE®	Fill cap to Level 4 six times (12 oz) and add to sprayer jar. Fill to the 4 gallon mark and spray.	Fill cap to Level 4 ten times (20 oz) and add to sprayer jar. Fill to the 4 gal mark and spray.	1200 sq ft (30 ft x 40 ft)
Hand trigger sprayers	Fill cap to Level 1 four times (4 tsp). Add to 24 oz of water	Fill cap to Level 2 three times (3 Tbs). Add to 24 oz of water	Use for spot treatments or single weeds

RE-SEEDING AND REPLANTING IN SPRAYED AREAS

Ornamentals and Flowers - May be reseeded or replanted the next day.

Vegetables - To plant listed vegetables, wait 3 days after spraying, before seeding. For tomato transplants or unlisted vegetables, wait 30 days after spraying.

beans	Crenshaw melon	mango melon	radish
beet greens	cucumber	melons	rhubarb
broccoli	eggplant	muskmelon	rutabaga
Brussels sprouts	endive	mustard greens	spinach
cabbage	garlic	okra	summer squash
cantaloupe	honeydew melon	onion	sweet potato
carrot	honey ball melon	rape greens	tomatillo
cauliflower	horseradish	parsley	tomato*
casaba melon	Jerusalem artichoke	parsnips	turnip
celery	kale	peas	watercress
chard (Swiss)	kohlrabi	pepper	watermelon
chicory	leek	persian melon	winter squash
collards	lentils	potato	yams
corn	lettuce	pumpkin	

*Note: Tomatoes planted from seed only. Wait 30 days for rooted transplants.

Small Fruits and Berries: The following listed crops may be planted (by seed, rooted cutting, or transplant) 7 days after spraying Roundup. For unlisted small fruit and berries, wait 30 days after spraying.

Blackberry, black raspberry, blueberry, boysenberry, currant, dewberry, elderberry, gooseberry, huckleberry, loganberry, olallieberry, red raspberry and strawberry.

Fruit and Nut Trees or Grapevines: If Roundup is used to control weeds around fruit or nut trees or grapevines, allow 21 days before eating the fruits or nuts.

This product can be used to refill Roundup Ready-To-Use Weed & Grass Killer

STORAGE AND DISPOSAL

STORAGE: Store this product only in its original container and in a secured storage area. Protect container from freezing. **DISPOSAL:** Securely wrap partially filled or empty container in several layers of newspaper and discard in trash. Do not reuse container. **SPILL OR LEAK:** In case of spill or leak, soak up spill with paper towels and discard in trash.

PRECAUTIONARY STATEMENTS
Hazards to Humans & Domestic Animals

8/8

CAUTION: May cause eye irritation. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling.

[Child/pet icon] People and pets may reenter treated areas after sprayed vegetation has dried.

FIRST AID: If in eyes, immediately flush with plenty of water. Get medical attention if irritation persists. In case of emergency involving this product, call collect, day or night, (314)694-4000.

Environmental Hazards

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

NOTICE: BUYER ASSUMES ALL RESPONSIBILITY FOR SAFETY AND USE NOT IN ACCORDANCE WITH DIRECTIONS.

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).

) REFORMULATION OR REPACKAGING FOR SALE IS PROHIBITED

☐ **Medical Information call collect 1-314-694-4000.**

Product Information call 1-800-225-2833

®Trademark of Monsanto Company

©MONSANTO COMPANY 1995

Manufactured for

The SOLARIS Group of Monsanto Company

P.O. Box 5008

San Ramon CA 94583-0808

Form RS854-A / Product 6041

EPA Reg. No. 239-2636

EPA Est. 239-IA-3¹, 524-LA-1^L, 56100-LA-1^G

Superscript is first letter of lot number

Made in USA