



000239-02647-021299

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Systems Integration Group, Inc.

PM 25

239-2647

2/12/99

PG 1/9

Please read instructions on reverse before completing form.

Form Approved. OMB No. 2070-0060. Approval Expires 05-31-98



United States
Environmental Protection Agency
Washington, DC 20460

- Registration
- Amendment
- Other

OPP Identifier Number
264460

Application for Pesticide - Section I

1. Company/Product Number 239-2647	2. EPA Product Manager James Tompkins	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Roundup Club Concentrate Weed & Grass Killer	PM # (PM 25)	
5. Name and Address of Applicant (Include ZIP Code) The SOLARIS Group of Monsanto P. O. Box 5906 San Ramon, CA 94583-0906 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section - II

- Amendment - Explain below.
- Resubmission in response to Agency letter dated _____
- Notification - Explain below.
- Final printed labels in response to Agency letter dated _____
- "Me Too" Application.
- Other - Explain below.

NOTIFICATION
FEB 12 1999

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Notification to 1) Add "Other" as optional text for the ingredient statement, 2) Reformat text into "Product Usage," and 3) Add label claims.

"This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to the EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA."

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes* <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify)	
* Certification must be submitted		If "Yes" Unit Packaging wgt. No. per container	If "Yes" Package wgt. No. per container		
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Other _____ <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled					

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Grace D. Bourke	Title Registration Specialist	Telephone No. (Include Area Code) 925-355-3336
Certification <i>I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.</i>		6. Date Application Received (Stamped)
2. Signature 	3. Title Regulatory Affairs	
4. Typed Name Grace D. Bourke	5. Date February 2, 1999	

2/97

Roundup Club Concentrate Weed & Grass Killer

EPA Reg. No. 239-2647

[Editorial Notes: This product is subregistered to Pennington with restricted label claims.]

Designed / Formulated especially for club members

[8/21/98] Makes up to 4.5/9/18 gallons of spray solution [16/32/64] oz

NEW/ Now with MEASURING CAP AND POUR SPOUT

NEW / NOW LARGER SIZE

Now easier to measure and pour

Child resistant cap

Kills the root so weeds don't come back

[2/2/99 Notification: Add label claims] Kills Roots

NOTIFICATION

FEB 12 1999

A multipurpose grass & broadleaf weed killer

Kills weeds, grasses and other unwanted plants.

Use along fences, sidewalks, driveways, around trees and shrubs.

Before, After

No root. No weed. No problem.

No odor

Water - based formula [Water Drop Icon]

Makes over 10 / 20 gallons of spray solution [varies with qt / 1/2 gal container size]

Covers up to 300 sq ft per gallon of spray

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

American Zoo and Aquarium Association Species Survival Plan

Economical- mix 7 to 13 Tablespoons (3 1/2 - 6 1/2 oz) per gallon,

Satisfaction guaranteed or your money back with proof of purchase

Use to refill Roundup Ready-To-Use

For General Weed Control - Kills Weeds And Grasses In 2 To 4 Weeks - Roots & All

Multipurpose Grass & Broadleaf Weed Control

Visible Results In 7 Days

Can Reseed or Sod Lawns 7 Days After Treatment

Lawns and Ornamental gardens can be reseeded or planted soon / 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 16.5%

Other (or) Inert Ingredients [2/2/99] 83.5%

Roundup Club Concentrate Weed & Grass Killer

EPA Reg. No. 239-2647

Net [2/2/99] Contents 16 fl oz (1 pt) 473 ml; 32 fl oz (1 qt) 946mL or 1/2 gal 3.6 fl oz (67.6 fl oz) 2 L


Roundup® Club Concentrate will kill almost all annual and perennial weeds, grasses and other unwanted plants. Mix Roundup Club Concentrate in water and use to control weeds growing 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.

Used by American Zoo and Aquarium Association member zoos to effectively control weeds.(or) Recommended to zoos everywhere by the American Zoo and Aquarium Association for the control of weeds.

Peel open for use directions and further information. PRESS HERE TO RESEAL. PULL HERE TO OPEN LABEL

(or) [2/2/99 Notification] Peel Here for use, storage and disposal directions. See back booklet for additional precautionary statements. Close booklet here.

CAUTION: May cause eye irritation. Avoid contact with 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

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Manufactured for
The SOLARIS Group of Monsanto Company
P.O. Box 5008
San Ramon CA 94583-0808
Form 7-961-01 / Product 6047
EPA Reg. No. 239-2647
EPA Est. 239-IA-3^I, 524-LA-1^L, 56100-LA-1^G
Superscript is first letter of lot number
Made in USA



469

[2/2/99 Notification: Format text into table] Product Usage

Kills	Weeds and grasses
Use	Along fences, sidewalks, driveways, and patios. Around trees, shrubs, and flowerbeds.
Amount to Use	7 – 13 Tbs per gallon to treat an area of 300 sq ft

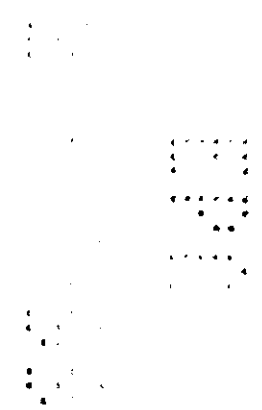
Roundup® Club Concentrate will kill almost all annual and perennial weeds, grasses and other unwanted plants. Mix Roundup Club Concentrate in water and use to control weeds growing on driveways and walkways, or around fences, trees, flower beds, shrubs and other areas in your yard. Roundup can also be 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.

Used by American Zoo and Aquarium Association member zoos to effectively control weeds. (or) Recommended to zoos everywhere by the American Zoo and Aquarium Association for the control of weeds.

CONTROLS WEEDS AND GRASSES INCLUDING:

General Weed Control (Annuals)

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



Tough Weed Control (Perennials, Brush)

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

☎ 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 complete kill. Roundup works best in warm, sunny weather with daytime temperature above 60° F. For best results, apply when weeds are small. 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 because Roundup kills all green plants contacted, 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 [2/2/99 Notification: Add alternate wording] / the spray 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. [2/2/99 Notification] Take / 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, 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®
- 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. Do not apply to treated weeds. 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 and Level 2 one time (7 Tbs). Add to 1 gallon of water.	Fill cap to Level 4 three times and Level 2 one time (13 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 and Level 2 one time (7 Tbs) and add to sprayer jar. DO NOT ADD WATER. Set dial to 4 oz and spray.	Fill cap to Level 4 three times and Level 2 one time (13 Tbs) and add to sprayer jar. DO NOT ADD WATER. Set dial to 8 oz and spray.	300 sq ft (30 ft x 10 ft)
ORTHO SPRAY-ETTE®	Fill cap to Level 4 seven times (14 oz) and add to sprayer jar. Fill to the 4 gallon mark and spray.	Not recommended for ORTHO SPRAY-ETTE®	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 two times and Level 1 one (7 tsp). Add to 24 oz of water.	Use for spot treatments o single weeds

[Alternative directions when measuring cap packaging is not used]

Use the following table to determine the amount of Roundup you need. Close cap tightly after use. No need to rinse.

- 1 teaspoon (tsp)
- 1 Tablespoon (Tbs) = 3 tsp
- 1 fl oz (2 Tbs)
- 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	Use 3 1/2 oz (7 Tbs) Roundup in 1 gal of water.	Use 6 1/2 oz (13 Tbs) Roundup in 1 gal of water.	300 sq ft (30 ft x 10 ft)
ORTHO DIAL 'n SPRAY® Hose-End sprayer	Add 3 1/2 oz (7 Tbs) Roundup to sprayer jar. DO NOT ADD WATER. Set dial to 4 oz and spray.	Add 6 1/2 oz (13 Tbs) Roundup to sprayer jar. DO NOT ADD WATER. Set dial to 5 1/3 oz and spray.	300 sq ft (30 ft x 10 ft)
ORTHO SPRAY-ETTE®	Add 14 oz Roundup to sprayer jar. Fill to the 4 gallon mark and spray.	Not recommended for ORTHO SPRAY-ETTE®	1200 sq ft (30 ft x 40 ft)
Hand trigger sprayers	Use 4 tsp in 24 oz of water.	Use 2 Tbs and 1 tsp in 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 or transplanting. For tomato transplants or unlisted vegetables, wait 30 days after spraying before planting into treated soil.

- | | | | |
|------------------|---------------------|----------------|---------------|
| beans | Crenshaw melon | mango melon | radish |
| beet greens | cucumber | melons | rhubarb |
| broccoli | eggplant | muskmelon | rutabaga |
| Brussels sprouts | endive | mustard greens | spinach |
| cabbage | garlic honeydew | okra | summer squash |
| cantaloupe | 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

CAUTION: May cause eye irritation. Avoid contact with 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 1-800-225-2883

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©MONSANTO COMPANY 1995
Manufactured for
The SOLARIS Group of Monsanto Company
P.O. Box 5008
San Ramon CA 94583-0808
Form 7-961-01 / Product 6047
EPA Reg. No. 239-2647
EPA Est. 239-1A-3^l, 524-LA-1^l, 56100-LA-1^G
Superscript is first letter of lot number
Made in USA