

239-2657

PM-25

3-31-98

1/11

Please read instructions on reverse before completing form.

Form Approved. OMB No. 2070-0080. Approval expires 2-28-95

|   |  |  |
|---|--|--|
|  <b>United States</b><br><b>Environmental Protection Agency</b><br>Washington, DC 20460 | <input type="checkbox"/> Registration<br><input type="checkbox"/> Amendment<br><input checked="" type="checkbox"/> Other | OPP Identifier Number<br><b>262113</b> |
|---|--|--|

**Application for Pesticide Section I**

|   |   |   |
|---|---|---|
| <b>1. Company/Product Number</b><br>239-2657  | <b>2. EPA Product Manager</b><br>James A. Tompkins  | <b>3. Proposed Classification</b><br><input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted |
| <b>4. Company/Product (Name)</b><br>ORTHO GrounClear Total Vegetation Killer  | <b>PM#</b><br>25  |   |
| <b>5. Name and Address of Applicant (Include ZIP Code)</b><br>The Solaris Group of Monsanto<br>P.O. Box 5006<br>San Ramon, Ca 94593-0906<br><input type="checkbox"/> Check if this is a new address | <b>6. Expedited Review.</b> In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to:<br>EPA Reg. No. _____<br>Product Name _____ |   |

**Section - II**

|  |   |   |
|--|---|---|
| <input type="checkbox"/> Amendment - Explain below.<br><input type="checkbox"/> Resubmission in response to Agency letter dated _____<br><input checked="" type="checkbox"/> Notification - Explain below. | <input type="checkbox"/> Final printed labels in response to Agency letter dated _____<br><input type="checkbox"/> "Me Too" Application.<br><input type="checkbox"/> Other - Explain below. | <b>NOTIFICATION</b><br><b>MAR 31 1998</b> |
|--|---|---|

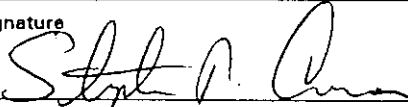
**Explanation:** Use additional page(s) if necessary. (For section I and Section II.)

**Notification:** The common names for the active ingredients have been changed to reflect the isopropylamine salt form of Glyphosate and Imazapyr.  
 "This amendment is consistent with the provisions of PR Notice 95-2, 97-5 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".

**Section - III**

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

**Section - IV**

|  |   |  |   |
|--|---|--|---|
| <b>1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)</b>   |   |  |   |
| <b>Name</b><br>Stephen R. Cornes   | <b>Title</b><br>Registration Specialist | <b>Telephone No. (Include Area Code)</b><br>510 355-3336 |   |
| <b>Certification</b><br>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. |   |  | <b>6. Date Application Received (Stamped)</b><br><br><br> |
| <b>2. Signature</b><br>   |   | <b>3. Title</b><br>Registration Specialist               |   |
| <b>4. Typed Name</b><br>Stephen Cornes   |   | <b>5. Date</b><br>03/24/98                               |   |

2/11

**NOTIFICATION**

MAR 31 1998

ORTHO® GroundClear™ Total Vegetation Killer  
ABN: ORTHO GroundClear Triox Total Vegetation Killer1

[outdoor icon] Outdoor Use Only  
[water droplet icon] water based

**Concentrate**

Kill weeds / Kills Weeds & Their Germinating Seeds

**NOW/FASTER ACTING, FAST ACTING**

Prevents Plant Growth For Up To One Year

Keep Treated Ground Clear of Weeds for Up to One Year

Keep Treated Ground / Area Free of Weeds for Up to One Year

Use on driveways, parking areas, brick walks, gravel pathways, patios, along fences, curbs & cracks in sidewalks

Untreated, Treated 0-12 Months (Accompanied by illustration)

2-Way Weed Killer · Kills Weeds **[3/23/98 Notification]** (&). Prevents new weeds for up to 1 year, On Driveways, Parking Areas, Brick Walks, Gravel Paths & Patios, Along Fences & Curbs, Cracks in Sidewalks

Easy to apply with a sprinkling can. Kills unwanted vegetation in sidewalks, driveways and around fences. Kills weeds and stops regrowth for up to one year

Covers 75 sq ft (qt), 300 sq ft (gal), 600 sq ft (2 gal size)

*[Not for use in California]*

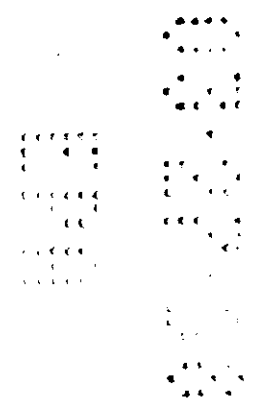
*[Picture of sprinkling can or icon]*

**KEEP OUT OF REACH OF CHILDREN**

**WARNING**

See back panel booklet for additional precautionary statements

**NET CONTENTS** 1 qt / 946 ml, ½ gal / 1.89 L, 1 gal / 3.78 L, 2 gal / 7.57 L



[back panel]

PEEL HERE

GroundClear™ kills unwanted plants and grasses plus their germinating seeds. Keeps treated ground free of plant growth for up to ONE YEAR. [Kills weeds and prevents regrowth for up to ONE YEAR.] Use [GroundClear] on driveways, parking areas, brick walks, gravel pathways, patios, along fences, curbs and cracks in sidewalks. [Add graphic illustration] Always apply with a SPRINKLING CAN.

DO NOT use on lawns, on or around fruits, vegetables, flowers, or other plants, or over the root zone of shrubs or trees. Specially formulated for residential use.

Active Ingredients [3/23/98 Notification]


|                                      |       |
|--------------------------------------|-------|
| Glyphosate isopropylamine salt ..... | 5.00% |
| Imazapyr isopropylamine salt .....   | 0.08% |

Inert Ingredients ..... 94.92%

➤ OPEN RESEALABLE LABEL FOR DIRECTIONS AND PRECAUTIONS. PRESS TO RESEAL.

*Optional Back Panel Text*

Offers long-term weed control in places where no growth is wanted. It kills weeds and prevents any re-growth for up to one full year with a single application.

|  |  |
|--|--|
| <b>Product Facts</b>   |  |
| Treats up to 75 sq ft ( <i>Quart Size</i> )  |  |
| Treats up to 300 sq ft ( <i>1 Gallon Size</i> )  |  |
| Treats up to 600 sq ft ( <i>2 Gallon Size</i> )  |  |
| <b>KILLS WEEDS</b>   | Unwanted plants & grasses  |
| <b>PREVENTS WEEDS</b>  | For up to 1 year   |
| <b>WHERE TO USE</b>  | <ul style="list-style-type: none"> <li>• On driveways, parking areas, brick walks, gravel paths &amp; patios</li> <li>• Along fences &amp; curbs</li> <li>• Cracks in sidewalks</li> </ul> |
| <b>AMOUNT TO USE</b>   | 1 qt per gal of water treats 75 sq ft<br>Always apply with a sprinkling can  |
|  <b>Questions, Comments or Medical Information</b><br>Call 1-800-225-2883 <a href="http://www.ortho.com">http://www.ortho.com</a> |  |

**DO NOT** use on lawns, on or around fruits, vegetables, flowers, or other desirable plants, or over the root zone of shrubs or trees.  
Specially formulated for residential use.

**DIRECTIONS FOR USE:** It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

[Stop sign icon] **READ ENTIRE LABEL BEFORE USE**

or

**FOR SAFE AND EFFECTIVE USE OF THIS PRODUCT, FOLLOW ALL LABEL DIRECTIONS.**

| <b>Amount to Use</b>  |  |                      |
|---|--|----------------------|
| <b>APPLICATOR</b>   | <b>PRODUCT TO MEASURE/<br/>DILUTION RATE</b> | <b>AREA TO TREAT</b> |
| Always apply with a <b>SPRINKLING CAN</b> to drench weeds and soil. Use of a hose-end or tank sprayer reduces weed control due to incorrect dilution or delivery of GroundClear™. | Add 1 quart to 1 gallon of water             | 75 sq ft             |

**Where to Use**

Use [GroundClear] only where plant growth is not wanted for at least a year, such as on driveways, parking areas, brick walks, gravel pathways, patios, along fences, curbs and cracks in sidewalks. **IMPORTANT:** Do not use on lawns, on or around fruits, vegetables, flowers, or other plants, or over the root zone of shrubs or trees. (See next page for details.)

To kill weeds in areas where you want other plants to grow, use Brush-B-Gon, Roundup or Kleeraway Follow all directions on product labels.

**For Best Results**

1. Water the day before application if soil is dry.
2. Apply to bare ground or when weed growth is just starting.
3. Apply when daytime temperature is at least 60° F.
4. Measure area to be treated. Calculate square feet by multiplying length times width. (walking man icon).
5. Use sprinkling can to apply. Allow product to soak into ground, avoiding runoff to nearby desirable plants.
6. After application, withhold watering for 2-3 days, then water.
7. To prevent the growth of weeds under asphalt driveways, tennis courts, play areas and parking areas, apply before laying surfacing materials.
8. Rain within 6 hours of application may reduce control of existing weeds, but will not reduce control of germinating seeds. In areas of heavy rainfall, applications every 6 to 8 months may be necessary.

*Alternate "Directions For Use" Text reformatted for ease of understanding and to fit on a more compact label format.*

**HOW TO APPLY**

- Measure area to be treated. Calculate square feet by multiplying length times width. (walking man icon).
- Pour entire contents (1 qt) into sprinkling can. Add 1 gal of water. (Quart Size)
- Pour 1 qt into sprinkling can. Add 1 gal of water. (1 & 2 gal Size)
- Apply evenly over 75 sq ft.
- Allow to soak into ground, avoiding runoff to nearby desirable plants.

**WHEN TO WATER**

- Water before application if soil is dry.
- Water 2 to 3 days after application to move the product into the soil.

**WHEN TO APPLY**

- Apply to bare ground or when weeds are present. If weeds are taller than 6 inches, cut down and remove before application.
- For best results apply when daytime temperature is at least 60° F.
- To prevent the growth of weeds under asphalt driveways, tennis courts, play areas and parking areas, apply before laying surfacing materials.
- If the area is not evenly covered, there may be some germination of weeds. These can easily be spot treated with Roundup® or Ortho® Klearaway®.

**IMPORTANT:**

Use **only** where no plant growth is wanted for at least a year, such as: on driveways, parking areas, brick walks, gravel paths, patios; along fences and curbs; and cracks in sidewalks. In heavy clay soil, plant growth may be prevented for more than one year. In areas of heavy rainfall, applications every 6 to 8 months may be necessary.

Do not use on or around fruits, vegetables, flowers, or other desirable plants; or on lawns.

*Picture of tree:*

To avoid damage to desirable plants do not apply over their root systems. For shrubs and trees do not apply closer than twice the distance from the trunk to the drip line (the area shaded in color) as roots may be within this area.

*Picture of Slope:*

Do not apply to slopes (areas shaded in color) as movement on soil surface may damage desirable plants down the slope.

*Picture of Fence:*

Do not apply next to a fence if desirable plants are growing on the other side or if future planting is intended.

Do not use before planting lawns, fruits, vegetables, flowers, or other plants because GroundClear™ Total Vegetation Killer remains active in soil for up to one year. In heavy clay soil, weed control may exceed one year.

**STORAGE AND DISPOSAL**

**STORAGE:** Store product in original container in a safe place. Protect from freezing.

**DISPOSAL:** Do not reuse empty container. Securely wrap partially filled or empty container in newspaper and discard in trash.

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS & DOMESTIC ANIMALS**

**WARNING:** Causes substantial but temporary eye injury. Do not get in eyes or on clothing. Wear safety glasses. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

[Reentry icon] People & pets may enter treated areas after spray has dried.

**FIRST AID: IF IN EYES:** Hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. Get medical attention. **IF SWALLOWED:** Call a physician or Poison Control Center. Do not induce vomiting. Drink promptly a large quantity of milk, egg whites, gelatin solution, or if these are not available, drink large quantities of water.

**Note to Physicians: Emergency Information-call 1-800-454-2333 [3/23/96 Notification] (OR) 1-800-225-2883.** Probable mucosal damage may contraindicate the use of gastric lavage.

**ENVIRONMENTAL HAZARDS:** Do not apply directly to any body of water. Do not contaminate water when disposing of equipment wash waters.

**NOTICE:** Buyer assumes all responsibility for safety and use not in accordance with directions.

☎ Medical Information call 1-800-454-2333  
Product Information call 1-800-225-2883

**[3/23/98 Notification] (OR)**

☎ Questions, Comments or Medical Information  
Call 1-800-225-2883 <http://www.ortho.com>

®,<sup>TM</sup>Trademarks of Monsanto Co.  
©Monsanto Company 1996  
Manufactured for **The SOLARIS Group** of  
Monsanto Company  
P.O. Box 5008  
San Ramon CA 94583-0808  
Form 7-107-01 / Product xxxx  
EPA Reg. No. 239-2657  
EPA Est. 239-IA-3  
Superscript is first letter of lot number  
Solaris®  
Made in USA



2. ORTHO® GroundClear™ Total Vegetation ~~Killer~~

[ABN ORTHO Landclear Total Vegetation ~~Killer~~ - Industrial label]

[Outdoor Use Only icon]

[water droplet icon] water based

**NOT FOR USE IN CALIFORNIA**

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS & DOMESTIC ANIMALS**

**Keep Out of the Reach of Children**

WARNING: Causes substantial but temporary **eye** injury. Do not get in eyes or on clothing. Wear goggles or faceshield. Wash **thoroughly** with soap and water after handling. Remove contaminated clothing and **wash** clothing before reuse.

[Reentry icon] People & pets may enter treated areas after spray has dried.

FIRST AID: IF IN EYES: Hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. Get medical attention. IF SWALLOWED: Call a physician or Poison Control Center. Do not induce vomiting. Drink promptly a large quantity of milk, egg whites, gelatin solution, or if these are not available, drink large quantities of water. **Note to Physicians:** Emergency Information-call 1-800-454-2333. Probable mucosal damage may contraindicate the use of gastric lavage.

ENVIRONMENTAL HAZARDS: Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply where runoff is likely to occur. Do not contaminate water by cleaning of equipment or disposal of equipment washwaters.

**Personal Protective Equipment**

Applicators and other handlers must wear goggles or face shield, long-sleeved shirt and long pants, shoes and 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.

**User Safety Recommendations:**

Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

**ENVIRONMENTAL HAZARDS**

For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply where

runoff is likely to occur. Do not apply where weather conditions favor drift from areas treated. Do not contaminate water when disposing of equipment washwaters.

Kill weeds / Kills Weeds & Their Germinating Seeds  
Prevents Plant Growth For Up To One Year  
Keep Treated Ground Clear of Weeds for Up to One Year  
Keep Treated Ground / Area Free of Weeds for Up to One Year

Use on driveways, parking lots, playgrounds, brick walks, gravel paths, patios, along fences, curbs & cracks in sidewalks, and around industrial buildings  
Untreated, Treated 0-12 Months (Accompanied by illustration)

Covers 300 sq ft/gal [5 gal size treats 1500 sq ft, 30 gal size treats 9000 sq ft]  
Covers 600 sq ft [2 gal size] [55 gal size treats 16500 sq ft]

Active Ingredients  
Glyphosate, in the form of its isopropylamine salt ..... 5.00%  
Imazapyr, in the form of its Isopropylamine salt ..... 0.08%  
Inert Ingredients..... 94.92%

KEEP OUT OF REACH OF CHILDREN  
WARNING  
See back panel booklet for additional precautionary statements.

NET CONTENTS 5 gal / 18.9 L  
NET CONTENTS 30 gal / 113.4 L  
NET CONTENTS 55 gal / 208 L



10/11

GroundClear™ is designed to kill vegetation and prevent plant growth for up to a year on non-crop areas. Use around industrial sites including storage yards, parking lots and other similar sites to maintain a weed free appearance. Apply only where no plant growth is desired such as: driveways, brick walks, gravel pathways, patios, parking lots, along fences, curbs and gutters.

**DO NOT USE ON TURF, FOOD CROPS OR OVER TREE OR SHRUB ROOTS.**

**DIRECTIONS FOR USE:** It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

**[Stop sign icon]READ ENTIRE LABEL BEFORE USE**

or

**FOR SAFE AND EFFECTIVE USE OF THIS PRODUCT, FOLLOW ALL LABEL DIRECTIONS.**

**Do not apply this product through any type of irrigation system.**

---

**Amount To Use**