

58185-27

3/21/2012

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

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

Beth Sullivan  
Everris NA, Inc.  
P.O. Box 3310  
Dublin, OH 43016

MAR 21 2012

Subject: Notification per PR Notice 98-10 –General Label Revisions  
ROUT Ornamental Herbicide  
EPA Reg. No. 58185-27  
Application Dated – March 9, 2012

Dear Ms. Sullivan:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the subject product.

The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10. The label submitted with the application has been date-stamped "Notification" and will be placed in our records.

If you have any questions regarding this letter, please contact Maggie Rudick at (703) 347-0257 or [rudick.maggie@epa.gov](mailto:rudick.maggie@epa.gov).

Sincerely,

A handwritten signature in black ink, appearing to read "K. Montague".

Kathryn Montague, Product Manager 23  
Herbicide Branch  
Registration Division (7505P)

Handwritten initials "for" in black ink.





United States  
**Environmental Protection Agency**  
 Washington, DC 20460

<input type="checkbox"/>	Registration
<input type="checkbox"/>	Amendment
<input checked="" type="checkbox"/>	Other

OPP Identifier Number

**Application for Pesticide - Section I**

1. Company/Product Number 58185-27	2. EPA Product Manager Kathryn Montague	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) ROUT Ornamental Herbicide	PM# PM-23	
5. Name and Address of Applicant (Include ZIP Code) Everris NA Inc. P.O. Box 3310 Dublin, Ohio 43016  <input checked="" 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**

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

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

*Certification stamp on cover letter*

Notification - General labeling revisions per PR Notice 98-10 (see attached letter)

**Section - III**

1. Material This Product Will Be Packaged In:				2. Type of Container											
Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If "Yes" Unit Packaging wgt.	No. Per Container	If "Yes" Package wgt.	No. Per Container	<input type="checkbox"/> Metal	<input type="checkbox"/> Plastic	<input type="checkbox"/> Glass	<input checked="" type="checkbox"/> Paper	<input type="checkbox"/> Other (Specify) _____				
* Certification must be submitted															
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container 50 lb		5. Location of Label Directions <input checked="" type="checkbox"/> On label. <input type="checkbox"/> On label accompanying product.											
6. Manner in Which Label is Affixed to Product		<input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled		<input checked="" type="checkbox"/> Other		Flexo-printed bag with pressure sensitive laminated booklet									

**Section - IV**

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Beth Sullivan	Title Regulatory Analyst	Telephone No. (Include Area Code) (614) 726-7087
<b>Certification</b>		6. Date Application Received <b>(Stamped)</b>
I certify that the statements which 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.		
2. Signature <i>Beth Sullivan</i>	3. Title Regulatory Analyst	
4. Typed Name Beth Sullivan	5. Date March 9, 2012	



Everris NA, Inc.  
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Dublin, Ohio 43017  
USA

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F 888 329 4678  
info@everris.us.com  
www.everris.us.com

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everris.

March 9, 2012

Ms. Kathryn Montague  
Document Processing Desk (NOTIF)  
Office of Pesticide Programs (7504P)  
U.S. Environmental Protection Agency  
Room S-4900, One Potomac Yard  
2777 S. Crystal Drive  
Arlington, VA 22202-4501

Subject: EPA Reg. No. 58 185-27, ROUT Ornamental Herbicide  
Notification of General Labeling Revisions

Dear Ms. Montague:

Please find attached an Application for Pesticide notification of general labeling revisions for the above referenced product registration. Included with this cover letter are the following:

- EPA Form No. 8570-1, Application for Pesticide Registration/Amendment
- Two copies of updated Master Label -- one with highlighted changes; the other a "clean copy"

General labeling revisions are as follows:

Page 2: Updated "For Sale To, Use and Storage By Commercial Nursery, Cut Flower, Foliage And Landscape Personnel Only" to "Intended for Sale To, Use and Storage By Commercial Nursery, Cut Flower, Foliage And Landscape Personnel Only"

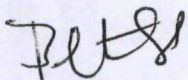
Background: Mr. Jim Gray of the North Dakota Department of Agriculture has asked that we revise the statement, *For Sale To, Use and Storage By Commercial Nursery, Cut Flower, Foliage and Landscape Personnel Only*, to one that is more in line with recent discussions between the State FIFRA Issues Research and Evaluation Group (SFIREG) and the EPA to improve pesticide labeling. By adding the word *Intended*, Mr. Gray has indicated that it would change the statement from an "enforceable" to an "advisory" statement and therefore be acceptable to their state agency. For this reason, Everris is submitting the notification to revise the labeling as requested.

Page 2: Updated phone number within "First Aid" section.

**"This notification is consistent with the provisions of PR Notice 98-10, PR Notice 2001-5, 2007-4 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 EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10, PR Notice 2001-5, 2007-4, 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".**

If you have any questions regarding this submission, please contact me by phone at 614-726-7087, or by email at Beth.Sullivan@everris.us.com.

Sincerely,



Beth Sullivan, Regulatory Analyst  
Enclosures

**NOTIFICATION**  
**MAR 21 2012**



*Bold, italicized text is information for the reader and is not part of the label.*  
[Bracketed information is optional text.]

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EPA Reg. No. 58185-27

Highlighted Version

**Note to PM: Technical Specimen Label**

NO.

[Everris®]

MAR 21 2012

# ROUT®

## Ornamental Herbicide

For preemergence control of weeds in container, field grown and landscape ornamentals, cut flowers and foliage crops.

- Excellent, broad spectrum control including difficult weed species, such as spurge, chickweed, groundsel, and oxalis.
- Even distribution of particles at the proper application rate.
- Application to dry foliage only.
- Application timing when plants are not breaking dormancy or making a flush of growth.
- Application at least two (2) weeks prior to enclosure in greenhouse/shadehouse type structures and two (2) weeks prior to shipping.

**PACKAGING**

**Unit Size:**  
50 lb. bag

**STOCK #XXXXX**  
(See next page for label information)

NOTIFICATION  
MAR 21 2012

Distributed by:  
Everris NA Inc. P.O. Box 3310 Dublin, Ohio 43016

If you have any questions regarding the use of this product, call TOLL FREE 1-800-492-8255



**Bold, italicized text is information for the reader and is not part of the label.**  
[Bracketed information is optional text.]

EPA Reg. No. 58185-27

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**GROUP 3 14 HERBICIDES**

**[Note to PM: Front Panel]**

Intended for Sale To, Use and Storage By Commercial Nursery, Cut Flower, Foliage And Landscape Personnel Only.

**Rout® Ornamental Herbicide**

For preemergence control of weeds in container, field grown and landscape ornamentals, cut flowers and foliage crops.

**ACTIVE INGREDIENTS:**

Oxyfluorfen <sup>†</sup> . . . . .	2.00%
Oryzalin <sup>††</sup> . . . . .	1.00%
<b>OTHER INGREDIENTS:</b> . . . . .	<u>.97.00%</u>
<b>TOTAL</b>	<b>100.00%</b>

<sup>†</sup>CAS# 42874-03-3  
<sup>††</sup>CAS# 19044-88-3

**KEEP OUT OF REACH OF CHILDREN**  
**CAUTION**

**[SEE ATTACHED LABELING FOR DIRECTIONS FOR USE AND ADDITIONAL PRECAUTIONARY STATEMENTS]**

**FIRST AID**

**IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call poison control center or doctor for treatment advice.

**IF IN EYES:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for further treatment advice.

**IF SWALLOWED:** Call a poison control center immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

**IF INHALED:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

Have the product or label with you when calling poison control center or doctor, or going for treatment. You may also call 888-241-6409 for emergency medical assistance.

EPA Reg. No. 58185-27

EPA Est. No. 8378-IN-1<sup>K</sup>  
EPA Est. No. 9198-OH-1<sup>M</sup>  
EPA Est. No. 82757-OH-1<sup>MF</sup>

Superscript used is first letter of run code on end of container

**[Product of U.S.A.]**

**NET WEIGHT: 50 LBS. (22.6 kg)**



© 2010, ROUT® is a registered trademark of Everris International BV for its brand of ornamental herbicide.

Everris NA Inc. P.O. Box 3310 Dublin, Ohio 43016

1-800-492-8255

## PRECAUTIONARY STATEMENTS

### Hazards to Humans and Domestic Animals.

CAUTION. Causes moderate eye irritation. Harmful if absorbed through skin. Avoid contact with skin, eyes, or clothing.

## PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category F on an EPA chemical resistance category selection chart.

Mixers, loaders, applicators and other handlers must wear:

- Coveralls over long-sleeved shirt and long pants
- Chemical-resistant gloves such as barrier laminate, butyl rubber 14 mils, nitrile rubber 14 mils, or Viton 14 mils
- Chemical-resistant footwear plus socks
- Protective eyewear
- Chemical-resistant headgear for overhead exposures
- Chemical-resistant apron (mixers and loaders)
- Under prolonged use, a dust filter and disposable protective garment are additionally recommended.

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. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

When handlers use closed systems or enclosed cabs 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.

## USER SAFETY RECOMMENDATIONS

### Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

**Environmental Hazards:** This pesticide is toxic to wildlife and aquatic invertebrates. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Use with care when applying in areas adjacent to any body of water.

Runoff from treated areas may be hazardous to organisms in neighboring areas. See Directions for Use for additional restrictions. Apply this product only as specified on the label. Do not contaminate water when disposing of wash water. In case of spills, either collect for use or dispose of properly.



**DESCRIPTION:**

ROUT® Ornamental Herbicide is a preemergent herbicide and does not control established weeds. ROUT® Ornamental Herbicide combines two selective herbicides on one clay granule giving the user a broader spectrum of weed control and ornamental plant tolerance. ROUT® Ornamental Herbicide is not registered for use on vegetable or edible fruit bearing crops, turf, bedding plants or flowering crops except as described in the landscape ornamentals and cut flower and foliage crops sections.

**DIRECTIONS FOR USE**

It is a violation of federal law to use this product in a manner inconsistent with its labeling.

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 24 hours for all crops/sites, except conifer trees. The REI for conifer trees is 6 days. 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 worn over long-sleeved shirt and long pants; chemical-resistant gloves made of any waterproof material; chemical-resistant footwear plus socks; and chemical-resistant headgear, if overhead exposure.

**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, forest, nurseries or greenhouses. Do not enter or allow others to enter until dusts have settled.

**RESISTANCE MANAGEMENT**

ROUT® Ornamental Herbicide is both a Group 3 and a Group 14 herbicide. Any weed population may contain or develop plants naturally resistant to Group 3 and/or Group 14 herbicides. Weed species with acquired resistance to Group 3 and/or Group 14 herbicides may eventually dominate the weed population if Group 3 and/or Group 14 herbicides are used repeatedly in the same field or in successive years as the primary method of control for targeted species. This may result in partial or total loss of control of those species by ROUT® Ornamental Herbicide or other Group 3 and/or Group 14 herbicides.



To delay herbicide resistance consider:

- Avoiding the consecutive use of ROUT® Ornamental Herbicide or other target site of action Group 3 or 14 herbicides that have a similar target site of action, on the same weed species.
- Using tank-mixtures or premixes with herbicides from different target site of action Groups as long as the involved products are all registered for the same use, have different sites of action, and are both effective at the tank mix or pre-pack rate on the weed(s) of concern.
- Basing herbicide use on a comprehensive IPM program.
- Monitoring treated weed populations for loss of field efficacy.
- Contacting your local extension specialist, certified crop advisors, and/or manufacturer for herbicide resistance management and/or integrated weed management recommendations for specific crops and resistant weed biotypes.
- Contacting Everris at 800-492-8255 [or www.everris.com] for further information or to report suspected resistance.

### APPLICATION RECOMMENDATIONS

For use only on container, field grown, and landscape ornamentals. This herbicide product has been extensively researched; however, testing has not been conducted on all species or cultivars, or under all growing conditions. In some instances performance characteristics may vary.

The user should exercise reasonable judgment and caution with this product. Until familiar with results under user growing conditions, untreated check blocks should be left in each for variety for performance comparisons.

ROUT® Ornamental Herbicide should be applied at the recommended rate with a properly calibrated spreader which will assure accurate, even particle distribution. **Do not disturb the soil surface once the product has been applied as the herbicide barrier will be broken.** Best results are obtained when the product is watered in with approximately ½ inch of water immediately following application. Adequate moisture is required to activate the herbicide and wash particles off the foliage.

Users can determine if proper rate and distribution is being achieved by using an Everris Rate Calibrator which is available free from Everris. This simple tool allows you to quickly calibrate your application method.

### APPLICATION RATES

Amount of ROUT®	Square Foot	100 Square Foot	Acre	Square Meter	100 Square Meter
	1 g	100 g	100 lbs	10.8 g	1.1 kg

1 ounce = 28 grams (g)

The maximum application is 6 lbs/season at 2 lbs ai/acre/application.

#### A. CONTAINER GROWN ORNAMENTALS

Apply ROUT® Ornamental Herbicide in the spring or fall prior to weed seed germination or following complete weed removal. Repeat applications at three (3) month intervals (minimum) during the growing season. Fall applications should be made two (2) weeks prior to planting plants in enclosed greenhouse structures.

Do not wait longer than three (3) months to reapply. Three months is the maximum residual for ROUT® Ornamental Herbicide under most conditions. Potted liners – Remove established weeds from liners prior to transplanting into containers. Following planting, and prior to chemical application, irrigate with approximately ½ inch of water to firm potting media around root systems.



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Allow foliage to dry. Broadcast product evenly over the container growing area. Water in with approximately ½ inch of water immediately after application.

Bare-root liners – Remove established weeds before herbicide application. Broadcast product evenly over the container growing area three (3) weeks after potting. Irrigate with approximately ½ inch of water immediately after application.

In container production nurseries where runoff water is recycled, care must be taken to locate pump intake line opening(s) close to the collection pond surface to avoid disturbing and recirculating clay fractions/organic matter accumulation near the pond bottom. This debris/settlement may contain amounts of previously applied pesticides tied-up on these clay/organic matter fractions and may lead to plant injury.

#### **B. FIELD GROWN ORNAMENTALS AND LABELED CHRISTMAS TREES**

Apply immediately after planting or in the spring prior to weed seed germination or following complete weed removal. Apply ROUT® Ornamental Herbicide at 50 lbs./A rate (one bag/acre) for a maximum of two (2) applications per growing season, or at 100 lbs./acre rate once a year. Do not reapply at less than three (3) month intervals for field grown ornamentals and at less than two (2) month intervals for Christmas trees. ROUT® Ornamental Herbicide is not recommended for use on bare rootstock if irrigation is not available.

Potted liners – Remove established weeds from liners prior to transplanting into field. Following planting and prior to chemical application irrigate with approximately ½ inch water to firm soil around root systems. Allow foliage to dry. Broadcast product evenly over the field growing area. Water in with approximately ½ inch of water immediately after application and leave the soil undisturbed.

Bare-root liners – Irrigate with approximately ½ inch of water after planting to firm soil around root systems. Remove established weeds before herbicide application. Broadcast product evenly over the field growing areas one (1) week after planting. Irrigate with approximately ½ inch of water immediately after application and leave the soil undisturbed. Loosen the soil by light cultivation prior to re-application of ROUT® Ornamental Herbicide.

#### **C. LANDSCAPE ORNAMENTALS**

Application of ROUT® Ornamental Herbicide should be directed only to those species listed on the ROUT® Ornamental Herbicide label. ROUT® Ornamental Herbicide is not registered for use on vegetables or edible fruit bearing crops, turf, bedding plants or flowering crops except Protea and Salvia species. Apply ROUT® Ornamental Herbicide at 100 lbs./acre rate.

Apply immediately after planting or in the spring prior to weed seed germination or following complete weed removal. Irrigate with approximately ½ inch of water immediately after application and leave the soil undisturbed. Do not reapply at less than two (2) month intervals. Do not apply more than two (2) applications per season.

#### **D. CUT FLOWER AND FOLIAGE CROPS**

Follow all use precautions listed on the label **unless excluded under specific crops below.** Apply prior to weed seed germination or following complete weed removal. Following planting, and prior to chemical application, irrigate with approximately ½ inch of water to firm soil around roots. Always allow foliage to dry completely prior to ROUT® Ornamental Herbicide application. Broadcast product evenly over the production area at the proper rate. Irrigate immediately after application to activate the herbicide. Wait three (3) weeks before applying to bare root plantings. Do not reapply at less than three (3) month intervals.

#### **FIELD GROWN PROTEA**

Apply ROUT® Ornamental Herbicide at 100 lbs./A rate to field plantings of 1-2 year Protea nursery stock. Re-applications can be made at three (3) month intervals throughout the production cycle. Apply ROUT® Ornamental Herbicide at 50 lbs./acre to soils with low organic matter levels (0.5-2%). Shallow feeder roots exposed by cultivation or erosion should be covered prior to ROUT® Ornamental Herbicide application.



### **SARAN HOUSE GROWN ANTHURIUMS**

Apply ROUT® Ornamental Herbicide at 100 lbs./A at three (3) month intervals. Do not reapply at less than three (3) month intervals. Do not treat greater than ¼ (25%) of any saran production unit in a given day. All plant tissue (leaves/stems) must be completely dry prior to ROUT® Ornamental Herbicide application. Avoid contact with leaf petiole attachments and flowering parts. Application should be made with granular spreaders which allow for directed placement of ROUT® Ornamental Herbicide to the base of plants. Consideration should be given to providing optimum ventilation to areas treated with ROUT® Ornamental Herbicide to avoid injury due to vapors.

### **DRACAENA FIELD STOCK**

Apply ROUT® Ornamental Herbicide at 100 lbs./acre rate at a minimum three (3) month retreatment interval. Applications must be made with a granular spreader which allows for directed placement of ROUT® Ornamental Herbicide to the base of plants. When establishing new field stock plantings, bind foliage of unrooted cuttings with rubber bands or string to prevent lodging of granules in leaf whorls (see PRECAUTIONS) and to allow for placement of product to base of plants. ROUT® Ornamental Herbicide may be reapplied after cuttings have been taken from field stock.

Before application the remaining side shoots (with expanded leaves) should be removed to prevent lodging of the granules in the leaf whorls.

**The species listed below have been tested under actual growing conditions and found tolerant at the recommended application rate.**

#### **Abelia**

x grandiflora (Glossy Abelia)

#### **Achillea**

millefolium 'Cerise Queen' (Yarrow)

#### **Acer**

palmatum 'Atropurpureum' (Red Japanese Maple)

#### **Alyogyne**

huegelii (Blue Hibiscus)

#### **Andromeda**

polifolia (Bog Rosemary)

#### **Anthurium**

andraeanum (Ozaki Red Anthurium)

#### **Arctostaphylos**

uva-ursi (Bearberry/Kinnikinnick)

#### **Banksia**

menziesii 'Raspberry Frost'  
(Raspberry Frost Banksia)

#### **Berberis**

thunbergii 'Crimson Pygmy' (Crimson Pygmy Barberry)

#### **Bougainvillea**

spp. 'Barbara Karst' (Barbara Karst Bougainvillea)

#### **Buxus**

microphylla 'Green Velvet' (Boxwood)  
microphylla japonica (Japanese Boxwood)  
sempervirens 'Welleri' (English Boxwood)

#### **Camellia**

japonica 'Lady Laura'

#### **Carissa**

grandiflora 'Fancy' (Natal Plum)

#### **Cataranthus**

roseus 'Vinca Blue Pearl'

#### **Chamaecyparis**

obtusa 'Aurea' (Gold Hinoki False Cypress)  
pisifera

'Filifera Aurea Nana' (Dwarf Golden Thread-Branch Cypress)

pisifera 'Filifera Aurea' (Cypress)

#### **Cercis**

canadensis (Redbud)

#### **Codiaeum**

norma 'Low Lite' (Low Lite Croton)

#### **Coreopsis**

verticillata 'Moonbeam'

#### **Cornus**

baileyi (Baileyi Dogwood)  
florida (Flowering Dogwood)

#### **Cotoneaster**

dammeri 'Coral Beauty' (Coral Beauty Cotoneaster)

salicifolius 'Repens' (Willowleaf Cotoneaster)

#### **Cupressus**

sempervirens 'Glauca' (Italian Cypress)

#### **Deutzia x**

'Magician'

#### **Dianthus**

spp. 'Baths Pink'

#### **Diosma**

ericoides (Breath of Heaven)

#### **Dracaena**

massangeana (Cornplant)  
deremensis 'Warneckii' (Striped Dracaena)

#### **Elaeagnus**



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pungens 'Fruitlandii' (Fruitland Silverberry)

**Eriobotrya**

japonica (Loquat)

**Escallonia**

x exoniensis 'Fradesii' (Frades Escallonia)

**Euonymus**

alata 'Compacta' (Dwarf Burning Bush)

fortunei 'Emerald 'n Gold' (Emerald Gold E.)

fortunei 'Gold Edge' (Gold Edge E.)

fortunei 'Vegetus' (Euonymus Vegetus)

kiautschovica 'Manhattan' (Manhattan E.)

**Euphorbia**

milii (Crown of Thorns)

**Ficus**

benjamina 'Lady Diane' (Weeping Fig)

lyrata (Fiddleleaf Fig)

microcarpa nitida (Little Leaf Ficus)

**Forsythia**

x intermedia 'Lynnwood' (Lynnwood Gold F.)

**Fothergillia**

gardenii 'Mt Airy'

**Fragaria**

x 'Pink Panda' (Sand Strawberry)

**Gardenia**

jasminoides 'August Beauty' (August Beauty Gardenia)

**Gelsemium**

sempervirens (Carolina Jessamine)

**Gypsophila**

spp. (Baby's Breath)

**Hemerocallis**

spp. (Daylily)

**Hibiscus**

rosa-sinensis 'Brilliant' (Brilliant Hibiscus)

rosa-sinensis 'Crown of Bohemia' (Crown of Bohemia H.)

**Hypericum**

spp. (St. Johnswort)

**Iberis**

sempervirens (Evergreen Candy Tuft)

**Ilex**

aquipernyi 'San Jose' (San Jose Holly)

cornuta 'Burfordii Nana' (Dwarf Burford Holly)

cornuta 'Needlepoint' (Needle Point Holly)

cornuta 'Rotunda' (Dwarf Chinese Holly)

crenata 'Convexa' (Convex Japanese Holly)

crenata 'Hetzii' (Japanese Holly)

opaca (American Holly)

vomitaria 'Schillings' (Shillings Holly)

spp. 'Blue Girl' (Dwarf Holly)

**Jasminum**

nitidum (Angelwing Jasmine)

spp. (Confederate Jasmine)

**Juniperus**

chinensis 'Gold Coast' (Gold Coast Juniper)

chinensis 'Mint Julip' (Mint Julip Juniper)

chinensis 'Pfitzerana Glauca' (Blue Pfitzer Juniper)

chinensis 'Pfitzerana Old Gold' (Old Gold Juniper)

chinensis 'Sargentii Viridis' (Green Sargent Juniper)

chinensis 'Sea Green' (Sea Green Juniper)

conferta 'Blue Pacific' (Blue Pacific Juniper)

conferta (Shore Juniper)

horizontalis 'Bar Harbor' (Bar Harbor Juniper)

horizontalis 'Douglasii' (Waukegan Juniper)

horizontalis 'Plumosa' (Andorra Juniper)

sabina 'Broadmoor' (Broadmoor Juniper)

sabina 'Tamariscifolia' (Tam Juniper)

squamata 'Blue Star' (Blue Star Juniper)

**Lantana**

montevidensis (Weeping Lantana)

montevidensis 'Radiation' (Radiation Lantana)

**Leucodendron**

x 'Safari Sunset' (South African Rose)

**Leucospermum**

cordifolium (Pincushion Protea)

**Ligustrum**

japonicum 'Texanum' (Waxleaf Privet, Texas Privet)

lucidum (Glossy Privet)

sinense 'Variegata' (Dwarf Variegated Chinese Privet)

spp. 'Jack Frost' (Jack Frost Ligustrum)

x 'Vicaryi' (Vicary Golden Privet)

**Lonicera**

x xylostoides 'Clavey's Dwarf' (Clavey's Dwarf Honeysuckle)

**Loropetalum**

chinensis 'Burgundy'

**Mahonia**

aquifolium (Oregon Grape Holly)

chinensis 'Pfitzerana Glauca' (Blue Pfitzer Juniper)

repens (Creeping Mahonia)

**Monarda**

didyma 'Claire Grace'

**Microbiota**

decussata (Russian Cypress)

**Nandina**

spp. 'Compacta'

domestica 'Nana' (Dwarf Nandina)

**Nerium**

oleander (Oleander)

**Osmanthus**

fragrans (Sweet Osmanthus)

heterophyllus 'Variegatus' (Variegated Osmanthus)

**Photinia**

x fraseri (Fraser, Photinia, Red Tip)

**Picea**

abies 'ohlendorffii' (Norway Spruce)

glauca 'Conica' (Dwarf Alberta Spruce)

pungens 'Glauca' (Colorado Blue Spruce)



**Pieris**

japonica 'Mountain Fire' (Mountain Fire Andromeda)

**Pinus**

elliottii (Slash Pine)  
mugo mugo (Mugho Pine)  
radiata (Monterey Pine)  
strobus (Eastern White Pine)  
sylvestris (Scotch Pine)  
thunbergiana (Japanese Black Pine)

**Pittosporum**

crassifolium (Evergreen Pittosporum)  
tenuifolium (Kohuhu Pittosporum)  
tobira (Green Pittosporum)  
tobira 'Wheeler's Dwarf'

**Podocarpus**

gracilior (Weeping Podocarpus)

**Potentilla**

fruticosa 'Gold Drop' (Gold Drop Potentilla)

**Protea**

neriifolia 'Pink Mink' (Pink Mink Protea)

**Prunus**

x cistena (Red-Leaf Plum)

**Pyracantha**

fortuneana 'Graber' (Graber Pyracantha)  
'Mohave' (Mohave Pyracantha)  
'Navajo' (Navajo Pyracantha)

**Quercus**

shumardii (Shumard Red Oak)

**Raphiolepis**

indica 'Ballerina' (India Hawthorn)  
indica 'Pinkie' (India Hawthorn)  
indica 'Pink Cloud' (Pink Cloud Raphiolepis)

**Rhododendron**

spp. 'Dora Amateis' (Dora Amateis R.)  
spp. 'Coral Bell' (Azalea)  
spp. 'Copperman' (Azalea)  
spp. x exbury (Azalea)  
spp. 'Pink Ruffles' (Azalea)  
spp. 'Snow' (Azalea)

**Salvia**

farinacea (Dwarf Blue Salvia)  
splendens 'Lavender Vista'

**Scabiosa**

columbaria 'Butterfly Blue'  
columbaria 'Pink Mist'

**Schefflera**

arboricola (Dwarf Schefflera)

**Spirea**

x bumalda 'Anthony Waterer' (Anthony Waterer S.)

**Syringa**

meyeri 'Pallbin' (Lilac)

**Taxus**

media 'Hicksii'

media "Runyoni"

**Ternstroemia**

gymnanthera

**Thuja**

occidentalis 'Nigra' (Dark Green Arborvitae)  
occidentalis 'Ellwangeriana Aurea' (Golden Arborvitae)  
occidentalis 'Hetz's Midget' (Hetz Midget Arborvitae)  
occidentalis 'Pyramidalis' (Pyramidal Arborvitae)  
occidentalis 'Smaragd' (Emerald Arborvitae)  
orientalis 'Aurea Nana' (Dwarf Golden Arborvitae)  
orientalis 'Blue Cone' (Blue Cone Arborvitae)

**Trachelospermum**

asiaticum 'Solo' (Asiatic Jasmine)  
asiaticum 'White Mist' (Variegated Asiatic Jasmine)  
jasminoides (Confederate or Star Jasmine)

**Tsuga**

canadensis (Canadian Hemlock)

**Vaccinium**

ashei 'Homebell' (Homebell Blueberry)

**Verbena**

peruviana (Sand Verbena)

**Viburnum**

carlesii (Korean Spice Viburnum)  
davidii (David Viburnum)  
macrocephalum (Chinese Snowball)  
plicatum 'Tomentosum' (Double File Viburnum)

**Vitis**

x SV5279 'Aurora' (White Wine Grape)

**Weigela**

florida 'Java Red' (Java Red Weigela)  
spp. 'Boskoop Glory' (Boskoop Glory W.)

**Xylosma**

congestum

**The species listed below have been tested and do not warrant use at this time.**

**Achillea**

spp. 'Coronation Gold' (Yarrow)

**Ageratum**

spp. 'Hawaii Blue'

**Calluna**

spp. 'Forsey' (Heather)

**Campanula**

persicifolia 'Blue'

**Celosia**

spp. 'Castle Yellow'

**Chrysanthemum**

spp. 'Legends'

**Clematis**

x 'Dutchess of Edinburgh'

**Dianthus**

caryophyllus  
deltoides 'Arctic Fire'

**Digitalis**



spp. 'Excelsior'  
**Echinacea**  
spp. 'Magnus'  
pallida  
purpurea 'Leuchstern'  
**Euonymus**  
japonica 'Silver King' (Silver King Euonymus)  
**Euryops**  
pectinatus (Greyleaf Daisy)  
**Ficus**  
pumila (Creeping Fig)  
**Geranium**  
spp. 'Pinto Red'  
**Hemerocallis**  
spp. 'Happy Returns' (Daylily)  
**Hydrangea**  
arborescens 'Annabelle'  
paniculata 'Grandiflora' (Peegee Hydrangea)  
**Lantana**  
spp. 'Patriot Desert Sunset'  
**Leucanthemum**  
maximum 'White Knight' (Shasta Daisy)  
**Lilium**  
orientalis 'Mr. Ruud'  
**Ilex**  
crenata 'Helleri' (Helleri Japanese Holly)  
**Lupinus**  
spp. 'RH My Castle' (Lupine)

**Magnolia**  
stellata 'Pinkie'  
**Papaver**  
orientale 'Pizzicato Mix' (Poppy)  
**Penstemon**  
spp. 'Thorn'  
**Petunia** spp.  
**Prunus**  
glandulosa (Dwarf Flowering Almond)  
**Rhododendron**  
spp. 'English Roseum'  
**Rudbeckia**  
spp. 'Goldsturm' (Coneflower)  
**Salvia**  
spp. 'May Knight'  
**Scabiosa**  
spp. 'Pink Carnival'  
**Sedum**  
spectabile 'Autumn Joy'  
brevifolium (Stonecrop)  
**Tagetes**  
erecta (Marigold)  
**Trachelospermum**  
asiaticum 'Oblanceolatum' (Hardy Star Jasmine)  
**Vinca**  
minor (Dwarf Periwinkle)  
**Zinnia** spp.

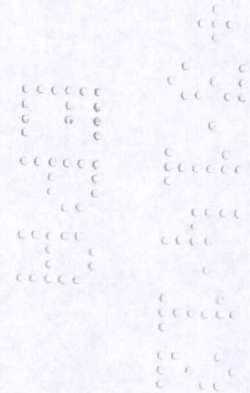
**ROUT® Ornamental Herbicide has been found to give preemergent weed control of the following weeds:**

**Grassy Weeds**

<b>Annual Bluegrass</b> ( <i>Poa annua</i> )	<b>Foxtail, Green</b> ( <i>Setaria viridis</i> )
<b>Barnyardgrass</b> ( <i>Echinochloa crusgalii</i> )	<b>Foxtail, Yellow</b> ( <i>Setaria lutescens</i> )
<b>Crabgrass</b> ( <i>Digitaria sanguinalis</i> )	<b>Goosegrass</b> ( <i>Eleusine indica</i> )
<b>Fall Panicum</b> ( <i>Panicum dichotomiflorum</i> )	<b>Kikuyu Grass</b> ( <i>Pennisetum clandestinum</i> )

**Broadleaf Weeds**

<b>Ageratum</b> ( <i>Ageratum conyzoides</i> )	<b>Moss</b> ( <i>Isopteryquim albesceus</i> )
<b>Artillery Weed</b> ( <i>Pilea microphylla</i> )	<b>Oxalis</b> ( <i>Oxalis stricta</i> )
<b>Bittercress</b> ( <i>Cardamine pensylvanica</i> )	<b>Pearlwort</b> ( <i>Sagina procumbens</i> )
<b>Buttonweed</b> ( <i>Borreria laevis</i> )	<b>Pigweed</b> ( <i>Amaranthus retroflexus</i> )
<b>Castor bean</b> ( <i>Ricinus communis</i> )	<b>Primrose, Cutleaf Evening</b> ( <i>Oenothera laciniata</i> )
<b>Chickweed, Common</b> ( <i>Stellaria media</i> )	<b>Purslane</b> ( <i>Portulaca oleracea</i> )





<b>Clover, white</b> ( <i>Trifolium repens</i> )	<b>Shepherdspurse</b> ( <i>Capsella bursa-pastoris</i> )
<b>Dandelion</b> ( <i>Taraxacum officinale</i> )	<b>Sowthistle</b> ( <i>Sonchus arvensis</i> )
<b>Fireweed</b> ( <i>Epilobium angustifolium</i> ) ( <i>Erechtites hieraciifolia</i> )	<b>Sowthistle, Common</b> ( <i>Sonchus oleraceus</i> )
<b>Groundsel</b> ( <i>Senecio vulgaris</i> )	<b>Spurge, Garden</b> ( <i>Euphorbia hirta</i> )
<b>Lambsquarter</b> ( <i>Chenopodium album</i> )	<b>Spurge, Hairy</b> ( <i>Euphorbia vermiculata</i> )
<b>Marestail</b> ( <i>Conyza canadensis</i> )	<b>Spurge, Prostrate</b> ( <i>Euphorbia supina</i> )
<b>Medic</b> ( <i>Medicago trunculata</i> )	<b>Spurge, Spotted</b> ( <i>Euphorbia maculata</i> )

### PRECAUTIONS

- Do not apply product directly to bare roots of woody ornamentals as injury may result.
- Do not apply product to wet or dew covered foliage. However, should this happen, irrigate immediately to completely remove herbicide particles from leaf surfaces.
- Do not apply to whorl-leaved plants, such as *Dracaena* spp., as their leaves channel the herbicide granules to the leaf base. Note exception under 'DRACAENA FIELD STOCK'. This makes removal of product granules difficult and may result in foliage injury.
- Do not apply product in enclosed greenhouse or enclosed shadehouse type structures.
- Product should not be applied two (2) weeks prior to or two (2) weeks following leaf bud break, or during periods of flush growth. Newly forming leaves are particularly sensitive to this product. Spotting or leaf drop may result from such applications.
- Do not apply within two (2) weeks prior to enclosure in greenhouse-type structures or within two (2) weeks prior to shipping.
- Do not apply other labeled herbicides to areas treated with ROUT® Ornamental Herbicide within two (2) months following treatment. Compatibility of ROUT® Ornamental Herbicide with other ornamental herbicides has not been verified.
- Do not disturb the soil surface following application as the herbicide barrier will be broken, resulting in less than optimum weed control.
- Do not incorporate product into potting media or soil. Dilution of the active ingredient and possible injury to plant roots may result. Do not apply in wind conditions which might affect product distribution. Wind may affect product distribution and move the product onto sensitive species. Uneven product distribution will result in marginal weed control. Do not graze or feed forage from treated fields or orchards, to livestock.
- Do not apply this product by aerial application.

ROUT® Ornamental Herbicide is not recommended for use in greenhouse liner production beds; apply only to container, field grown and landscape ornamentals, cut flower and foliage crops listed.

Users who wish to use ROUT® Ornamental Herbicide on ornamental species or nonbearing fruit trees not listed on this label may determine **suitability** for such uses by making trial application of this product at a recommended rate to a small number of plants. Prior to using this product on a large number of plants, the trial treatment should be observed for signs of herbicidal injury for 3 to 6 months to determine if the treatment is safe to the target plant species.



**STORAGE AND DISPOSAL**

Do not contaminate water, fertilizer, other pesticides, food or feed by storage and disposal.

**PESTICIDE STORAGE:** Store in a dry place. Protect from water and extreme heat.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**CONTAINER DISPOSAL:** Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment. Then offer for recycling if available, or dispose of empty bag in a sanitary landfill or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke. Damaged container and/or spilled pesticide should be disposed of according to instructions.

**DISCLAIMER AND LIMITATION OF LIABILITY**

IMPORTANT NOTICE FROM EVERRIS NA INC ("EVERRIS"). PLEASE READ BEFORE USE.

To the extent consistent with applicable law, user or buyer accepts the conditions, disclaimer of warranties and limitations of liability. Read the entire directions for use, conditions of warranties and limitations of liability before using this product. If terms are not acceptable, return the unopened product container at once for full refund.

**CONDITIONS:** The directions for use of this product are believed to be adequate and the user or buyer must always follow the label directions carefully and exercise judgment and caution when using this product under their growing conditions. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness, unsatisfactory or substandard results or other unintended consequences may result because of such factors as weather conditions, presence or absence of other materials, or the manner of use or application, all of which are beyond the control of Everris. All such risks shall be assumed by the user or buyer.

**WARRANTY:** This product corresponds to all claims and descriptions set forth on the label and is reasonably fit for the purposes set forth in the directions for use on the label when used in accordance with those directions. This warranty is subject to the conditions and limitations stated herein. Everris recognizes that the rights and remedies of the user or buyer are subject to the provisions of the applicable law, but makes no other warranties or representations, express or implied, of merchantability or of fitness for a particular purpose or otherwise, that extend beyond the statements made on this label. No agent of Everris is authorized to make any warranties beyond those contained herein or to modify the warranties contained therein. Subject to the user's or buyer's rights and remedies under the applicable law, Everris disclaims any liability whatsoever for special, incidental or consequential damages resulting from the use or handling of this product.

**LIMITATIONS OF LIABILITY:** Subject to the user's or buyer's rights and remedies under the applicable law, the exclusive remedy of the user or buyer and the liability of Everris or its affiliates, for any and all losses, injuries or damages resulting from the use or handling of this product, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price paid by the user or Buyer for the quantity of this product involved or, at Everris' election, the replacement of the product. To the extent consistent with applicable law, Everris must have prompt notice of any claim so that a timely investigation of buyer's or user's claim can be made. Buyer and all users shall promptly notify Everris of any claims, whether based on contract, negligence, strict liability, other tort or otherwise or be barred from any remedy.