

58185-27

08-18-2010

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

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

AUG 18 2010

Ms. Deena Newell
Scotts-Sierra Crop Protection Co.
14111 Scottslawn Road
Marysville, OH 43041

Subject: Notification: Revised Container Disposal Instructions per PR Notice 2007-4:
ROUT Ornamental Herbicide
EPA Reg. No. 58185-27
Your Application Dated July 13, 2010

Dear Ms. Newell:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 2007-4 for the subject product.

The Registration Division (RD) has conducted a review of this request for applicability under PRN 2007-4 and finds that the label changes requested fall within the scope of PRN-2007-4. The label has been date-stamped "Notification" and will be placed in our records.

Please be reminded that 40 CFR Part 156.140(a)(4) requires that a batch code, lot number, or other code identifying the batch of the pesticide distributed and sold be placed on nonrefillable containers. The code may appear either on the label (and can be added by non-notification/PR Notice 98-10) or durably marked on the container itself.

If you have any questions, please call me directly at (703) 305-1243 or Susan Stanton of my staff at (703) 305-5218.

Sincerely,

A handwritten signature in cursive that reads "Susan L. Stanton, for".

Kathryn Montague, Product Manager 23
Herbicide Branch
Registration Division (7505P)
Office of Pesticide Program

| | | |
|---|--|-----------------------|
| EPA 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) Scotts-Sierra Crop Protection Company 14111 Scottslawn Road Marysville, OH 43041 <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: <div style="text-align: center; font-weight: bold; font-size: 1.2em;">NOTIFICATION</div> EPA Reg. No. _____ Product Name <u>AUG 18 2010</u> | |

Section II

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

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

Notification of label change per PR Notice 2007-4. See attached letter for certification.

Section III

| | | | | | |
|---|--|---|---|--|--|
| 1. Material This Product Will Be Packaged In: | | | | | |
| 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 | 2. Type of 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 | | If "Yes" Unit Packaging wgt. No. per Container | If "Yes" Package wgt. No. per Container | | |
| 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 Labeling accompanying product | |
| 6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input checked="" type="checkbox"/> Other Flexo-printed bag with pressure sensitive laminated booklet <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 Deena Newell | Title Federal Registration Scientist | Telephone No. (Include Area Code) (937) 644-7314 |
| 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. | | 6. Date Application Received <div style="font-weight: bold; font-size: 1.2em;">(Stamped)</div> |
| 2. Signature Scotts-Sierra Crop Protection Company BY: <i>Deena Newell</i> | 3. Title Federal Registration Scientist | |
| 4. Typed Name Deena Newell | 5. Date July 13, 2010 | |



The Scotts Company LLC

and Subsidiaries

July 13, 2010

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

Re: EPA Reg. No. 58185-27, ROUT Ornamental Herbicide
Notification of Label Change per PR Notice 2007-4

Dear Sir or Madam:

This notification is to update the labeling of the above referenced registration per PR Notice 2007-4. To support this notification, please find attached:

- EPA Form No. 8570-1, Application for Pesticide Registration/Amendment
- Two copies of label – one with highlighted changes; the other a “clean copy”

Please note: The Agency had requested we make changes to our warranty statements that we use on our labeling for products sold into the ornamental horticultural industry. In response to this request, we obtained prior approval of revised warranty statements from the Agency and agreement that we could include the revisions with our 2007-4 notifications (see attached emails dated May 5-6, 2010). Therefore, we have incorporated the changes into this label (page 12). This section should not require review by the Agency but will allow incorporation of the changes into future label printing.

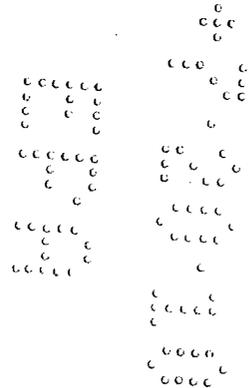
Notification of label change per PR Notice 2007-4. This notification is consistent with the guidance in PR Notice 2007-4 and the requirements of EPA's regulations at 40 CFR §§ 156.10, 156.144, 156.146, and 156.156. No other changes have been made to the labeling or the Confidential Statement of Formula for 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 the amended label is not consistent with the requirements of 40 CFR §§ 156.10, 156.144, 156.146, and 156.156, 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 937-644-7314, or by email at Deena.Newell@scotts.com.

Sincerely,

Deena Newell
Deena Newell
Federal Registration Scientist

Enclosures



Highlighted Version

Note to PM: Technical Specimen Label

[Scotts®]

NOTIFICATION

AUG 18 2010

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)

Distributed by:

Scotts-Sierra Crop Protection Company, 14111 Scottslawn Road • Marysville, OH 43041
If you have any questions regarding the use of this product, call TOLL FREE 1-800-
492-8255



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GROUP 3 14 HERBICIDES

[Note to PM: Front Panel]

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[†] 2.00%
Oryzalin^{††} 1.00%

OTHER INGREDIENTS: 97.00%
TOTAL 100.00%

NOTIFICATION

AUG 18 2010

[†]CAS# 42874-03-3

^{††}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 1-877-561-6584 for emergency medical assistance.

EPA Reg. No. 58185-27

EPA Est. No. 8378-IN-1^K
EPA Est. No. 9198-OH-1^M

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

Product of U.S.A.

NET WEIGHT: 50 LBS.(22.6 kg)

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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© 2010, ROUT® is a registered trademark of Scotts-Sierra Crop Protection Company for its brand of ornamental herbicide.

Scotts-Sierra Crop Protection Company, 14111 Scottslawn Road Marysville, OH 43041

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 The Scotts Company at 800-492-8255 or ww.scottsprohort.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 a Scotts-Sierra Rate Calibrator which is available free from Scotts-Sierra Crop Protection Company. 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 placing 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.

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)

Catharanthus

roseus 'Vinca Blue Pearl'

Chamaecyparis

obtusa 'Letinea Aurea' (Gold Hinoki False Cypress) pisifera

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

pisifera 'Filifera Aurea' (Cypress)

Cercis

canadensis (Redbud)

Codiaeum

norma 'Low Life' (Low Life 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

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 'Vegeta' (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)

vomitorea '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)
occidentalis 'Pyramidalis' (Pyramidal Arborvitae)

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)

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. 'Forsy' (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. 'Goldstrum' (Coneflower)
Salvia
spp. 'May Knight'
Scabiosa
spp. 'Pink Carnival'
Sedum
spectabile 'Autumn Joy'
brevifolium (Stonecrop)
Tagetes
erecta (Marigold)
Trachelospermum
asiaticum 'Obanceolatum' (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

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

Broadleaf Weeds

| | |
|---|---|
| Ageratum (<i>Ageratum conyzoides</i>) | Moss (<i>Isopteryquim albescens</i>) |
| Artillery Weed (<i>Pilea microphylla</i>) | Oxalis (<i>Oxalis stricta</i>) |
| Bittercress (<i>Cardamine pensylvanica</i>) | Pearlwort (<i>Sagina procumbens</i>) |
| Buttonweed (<i>Borreria laevis</i>) | Pigweed (<i>Amaranthus retroflexus</i>) |
| Castor bean (<i>Ricinus communis</i>) | Primrose (<i>Oenothera Cutleaf evening laciniata</i>) |
| Chickweed, Common | Purslane |

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

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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 THE SCOTTS COMPANY LLC AND SCOTTS-SIERRA HORTICULTURAL PRODUCTS COMPANY ("SCOTTS"). 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 Scotts. 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. Scotts 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 Scotts 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, Scotts 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 Scotts 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 Scotts' election, the replacement of the product. To the extent consistent with applicable law, Scotts 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 Scotts of any claims, whether based on contract, negligence, strict liability, other tort or otherwise or be barred from any remedy.