

JUL 31 1996

Mr. Vincent Snyder, Jr.
Scotts-Sierra Crop Protection Company
14111 Scottslawn Road
Marysville, OH 43041

Dear Mr. Snyder:

SUBJECT: 8-Month Response to the Oryzalin RED, Including
Acute Toxicology Studies, Product Chemistry Data,
and Revised Labeling.
Rout Ornamental Herbicide
EPA Registration No. 58185-27
Your Submissions Dated September 27, 1995, and
March 11, 1996, as Amended by Facsimile on July
26, 1996.

The Agency has completed its review of your 8-month response to the Oryzalin Reregistration Eligibility Decision (RED). The following comments apply:

1. The submitted acute toxicology studies (MRID nos. 439509-03 through 439509-08) are acceptable. A copy of the Agency's review, dated May 22, 1996, is enclosed for your records.
2. The submitted product chemistry data (MRID nos. 439509-01 and 439509-02) satisfy the requirements of 40 CFR 158.155-158.190. A copy of the Agency's review, dated May 10, 1996, is enclosed for your records.
3. The Confidential Statement of Formula (CSF), Basic formulation, dated 09/27/95, is acceptable. A copy of the CSF has been placed in the Agency's file for the subject product.
4. The revised labeling for the subject product, submitted by facsimile (FAX) on July 26, 1996, is acceptable provided you:
 - a. Add the following statement to the "Hazards to Humans and Domestic Animals" section:

"Harmful if absorbed through skin."
 - b. Enclose the Non-Agricultural Use Requirements on page 9 in a box.

RD:STANTON:PM Team 23:Rm. 235:CM-2:305-5218:Disk #3:S502933.LET

CONCURRENCES

SYMBOL ▶	7505C							
SURNAME ▶	S. Stanton							
DATE ▶	Jul 29, 1996							

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A stamped copy of the labeling is enclosed for your records. Submit one copy of your final printed labeling before you release the product for shipment.

Based on the above considerations, the Agency has determined that you have fulfilled the requirements of the oryzalin RED for this end use product. However, we are unable to reregister the subject product at this time, since it also contains the active ingredient, oxyfluorfen, for which a reregistration eligibility decision has not yet been made. You will be notified of the Agency's reregistration decision for products containing oxyfluorfen when the oxyfluorfen RED is completed.

Sincerely yours,

Joanne I. Miller
Product Manager (23)
Fungicide-Herbicide Branch
Registration Division (7505C)

Enclosures

3 of 16

ACCEPTED
with COMMENTS
In EPA Letter Dated
JUL 31 1996

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

58185-27

ROUT
Ornamental Herbicide
50 LBS. INSERT
#95711

06/29/94 NEW 06/21/94 BE
06/09/95 BF 06/05/95 CS
09/25/95 MK/FM 09/26/95 VS
01/23/96 KL 07/25/96 CJW
07/26/96 CJW

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.

Keep out of reach of children.

CAUTION:

See back panel for additional caution statements.

Successful use of this product requires:

- 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.

ACTIVE INGREDIENTS:

Oxyfluorfen: 2-chloro-1-(3-ethoxy-4-nitrophenoxy)-4 (trifluoromethyl) benzene	2.00%
Oryzalin: 3,5-dinitro-N ⁴ ,N ⁴ -dipropylsulfanilamide	1.00%
INERT INGREDIENTS	97.00%
TOTAL	100.00%

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STORAGE AND DISPOSAL:

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

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: Completely empty bag into application equipment. Then 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.

EPA Reg. NO. 58185-27

EPA Est. No. 62171-MS-1

Product of U.S.A.

NET WEIGHT: 50 LBS. (22.6 kg)

©1996, ROUT® is a registered trademark of Scotts-Sierra Crop Protection Company for its brand of ornamental herbicide.

(Scotts®)

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

8050/95711

ROUT®
Ornamental Herbicide

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

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

- Abelia*
x grandiflora (Glossy Abelia)
Alyogyne
huegelii (Blue Hibiscus)
Andromeda
polifolia (Bog Rosemary)
Anthurium andraeanum 'Ozaki Red'
(Ozaki Red Anthurium)
Arctostaphylos uva-ursi
(Bearberry/Kinnikinnick)
Banksia menziesii 'Raspberry
Frost' (Raspberry Frost
Banksia)
Berberis thunbergii 'Crimson
Pygmy' (Crimson Pygmy
Barberry)
Bougainvillea sp. 'Barabra
Karst' (Barabra Karst
Bougainvillea)
Buxus
microphylla japonica (Japanese
Boxwood
sempervirens 'Welleri'
(English Boxwood)
Carissa
grandiflora 'Fancy' (Natal
Plum)
Chamaecyparis
obtusa 'Letinea Aruea' (Gold
Hinoki False Cypress)
pisifera 'Filifera Aurea Nana'
(Dwarf Golden Thread-Branch
Cypress)
Cercis
canadensis (Redbud)
Codiaeum
norma 'Low Life' (Low Life
Croton)
Cornus
baileyi (Baileyi Dogwood)
florida (Flowering Dogwood)
Cotoneaster
dammeri 'Coral Beauty' (Coral
Beauty Cotoneaster)
salicifolius 'Repens'
(Willowleaf Cotoneaster)
Cupressus
sempervirens 'Glauca' (Italian
Cypress)
Diosma
ericoides (Breath of Heaven)
Dracaena massangeana (Cornplant)
Dracaena 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
milli (Crown of Thorns)
Ficus
benjamina 'Lady Diane'
(Weeping Fig)
lyrata (Fiddleleaf Fig)
microcarpa nitida (Little Leaf
Ficus)
Forsythia
x intermedia 'Lynnwood' (Lynn-
wood Gold F.)
Gardenia
jasminoides 'August Beauty'
(August Beauty Gardenia)
Gelsemium
sempervirens (Carolina
Jessamine)
Gypsophila sp. (Baby's Breath)
Hibiscus
rosa-sinensis 'Brilliant'
(Brilliant Hibiscus)
rosa-sinensis 'Crown of
Bohemia' (Crown of Bohemia H.)
Hypericum sp. (St. Johnswort)
Iberis
sempervirens (Evergreen Candy
Tuft)
Ilex
aquipernyi 'San Jose' (San
Jose Holly)
cornuta 'Burfordii' (Burford
Holly)
cornuta 'Burfordii Nana'
(Dwarf Burford Holly)
cornuta 'Needlepoint' (Needle
Point Holly)

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- cornuta* 'Rotunda' (Dwarf Chinese Holly)
crenata 'Convexa' (Convex Japanese Holly)
crenata 'Hetzii' (Japanese Holly)
vomitaria 'Schillings' (Shillings Holly)
Jasminum
nitidum (Angelwing Jasmine)
 sp. (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)
sqamata 'Blue Star' (Blue Star Juniper)
Lantana
montevidensis (Weeping Lantana)
montevidensis 'Radiation' (Radiation Lantana)
Leucodendron hybrid '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)
 sp. 'Jack Frost' (Jack Frost Ligustrum)
 x 'Vicaryi' (Vicary Golden Privet)
Lonicera
 x *xylostecoides* 'Clavey's Dwarf' (Clavey's Dwarf Honeysuckle)
Mahonia
aquifolium (Oregon Grape Holly)
Microbiota
decussata (Russian Cypress)
Nandina 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 'Glaucua' (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**
gracillior (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)
- Raphiolepis**
indica 'Ballerina' (India Hawthorn)
indica 'Pinkie' (India Hawthorn)
indica 'Pink Cloud' (Pink Cloud Raphiolepis)
- Rhododendron**
 sp. 'Dora Amateis' (Dora Amateis R.)
 sp. 'Coral Bell' (Azalea)
 sp. 'Copperman' (Azalea)
 sp. *x* *exbury* (Azalea)
 sp. 'Pink Ruffles' (Azalea)
 sp. 'Snow' (Azalea)
- Salvia**
farinacea (Dwarf Blue Salvia)
- Schefflera**
arboricola (Dwarf Schefflera)
- Spirea**
x bumalda 'Anthony Waterer' (Anthony Waterer S.)
- Taxus**
media 'Hicksii'
- Taxus**
x 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)
- Vaccinium**
ashei 'Homebell' (Homebell Blueberry)
- Verbena**
peruviana (Sand Verbena)
- Viburnum**
carlesii (Korean Spice Viburnum)
dauidii (David Viburnum)
macrocephalum (Chinese Snowball)
plicatum 'Tomentosum' (Double File Viburnum)
- Vitis**
x SV5279 'Aurora' (White Wine Grape)
- Weigela**
florida 'Java Red' (Java Red Weigela)
 sp. 'Boskoop Glory' (Boskoop Glory W.)
- Xylosma**
congestum

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

<i>Euonymus</i>	<i>Hydrangea</i>
<i>japonica</i> 'Silver King' (Silver King Euonymus)	<i>paniculata</i> 'Grandiflora' (Peegee Hydrangea)
<i>Euryops</i>	<i>Ilex</i>
<i>pectinatus</i> (Greyleaf Daisy)	<i>crenata</i> 'Helleri' (Helleri Japanese Holly)
<i>Ficus</i>	<i>Trachelospermum</i>
<i>pumila</i> (Creeping Fig)	<i>asiaticum</i> 'Oblanceolatum' (Hardy Star Jasmine)

ROUT® 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 crusgali</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>Isopterygium albesceus</i>)
Artillery Weed	(<i>Pilea microphylla</i>)	Oxalis	(<i>Oxalis stricta</i>)
Bittercress	(<i>Cardamine pennsylvanica</i>)	Pearlwort	(<i>Sagina procumbens</i>)
Buttonweed	(<i>Borreria laevis</i>)	Pigweed	(<i>Amaranthus retroflexus</i>)
Castor bean	(<i>Ricinus communis</i>)	Primrose, Cutleaf evening	(<i>Oenothera laciniata</i>)
Chickweed, Common	(<i>Stellaria media</i>)		
Clover, white	(<i>Trifolium repens</i>)	Purslane	(<i>Portulaca oleracea</i>)
Dandelion	(<i>Taraxacum officinale</i>)	Shepherdspurse	(<i>Capsella bursa-pastoris</i>)
Fireweed	(<i>Epilobium angustifolium</i>)	Sowthistle	(<i>Sonchus arvensis</i>)
	(<i>Erechtites hieraciifolia</i>)	Sowthistle, Common	(<i>Sonchus oleraceus</i>)
Groundsel	(<i>Senecio vulgaris</i>)	Spurge, Garden	(<i>Euphorbia hirta</i>)
Lambsquarter	(<i>Chenopodium album</i>)	Spurge, Hairy	(<i>Euphorbia vermiculata</i>)
Marestail	(<i>Conyza canadensis</i>)	Spurge, Prostrate	(<i>Euphorbia supina</i>)
Medic	(<i>Medicago trunculata</i>)	Spurge, Spotted	(<i>Euphorbia maculata</i>)

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PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals: CAUTION, causes moderate eye irritation. Avoid contact with skin, eyes, or clothing.

Statement of Practical Treatment

IF IN EYES: Flush eyes with plenty of water. Call a physician if irritation persists.

IF ON SKIN: Wash with plenty of soap and water. Get medical attention.

Personal Protective Equipment

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.

Applicators and other handlers must wear:

- Coveralls over long-sleeved shirt and long pants
- Chemical-resistant gloves, such as barrier laminate, butyl rubber \geq 14 mils, nitrile rubber \geq 14 mils, or Viton \geq 14 mils
- Chemical-resistant footwear
- 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, enclosed cabs, or aircraft 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 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: Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. This pesticide is toxic to wildlife and fish. Use with care when applying in areas adjacent to any body of water. Apply this product only as specified on the label. Do not contaminate water by cleaning of equipment or disposal of wastes.

DESCRIPTION:

ROUT is a preemergent herbicide and does not control established weeds. ROUT combines two selective herbicides on one clay granule giving the user a broader spectrum of weed control and ornamental plant tolerance. ROUT 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.

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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.

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 over long-sleeved shirt and long pants; chemical resistant gloves, such as barrier laminate butyl rubber \geq 14 mils, nitrile rubber \geq 14 mils, or Viton \geq 14 mils; chemical-resistant footwear plus socks; and chemical-resistant headgear for 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.

Keep all persons, children and pets out of the treated areas until dusts have settled.

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.

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APPLICATION RECOMMENDATIONS

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 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 1/2 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 Feet	Acre	Square Meter	100 Square Meters
1 ounce - 28 grams (g)	1 g	100 g	100 lbs.	10.8 g	1.1 kg

A. CONTAINER GROWN ORNAMENTALS

Apply ROUT 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 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 1/2 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 1/2 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 1/2 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 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 is not recommended for use on bare root stock 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 1/2 inch water to firm soil around root systems. Allow foliage to dry. Broadcast product evenly over the field growing area. Water in with approximately 1/2 inch of water immediately after application and leave the soil undisturbed.

Bare-root liners - Irrigate with approximately 1/2 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 1/2 inch of water immediately after application and leave the soil undisturbed. Loosen the soil by light cultivation prior to re-application of ROUT.

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C. LANDSCAPE ORNAMENTALS

Application of ROUT should be directed only to those species listed on the ROUT label. ROUT 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 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 1/2 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 1/2 inch of water to firm soil around roots. Always allow foliage to dry completely prior to ROUT 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) intervals.

FIELD GROWN PROTEA

Apply ROUT 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 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 application.

SARAN HOUSE GROWN ANTHURIUMS

Apply ROUT at 100 lbs./A at three (3) month intervals. Do not reapply at less than three (3) month intervals. Do not treat greater than 1/4 (25%) of any saran production unit in a given day. All plant tissue (leaves/stems) must be completely dry prior to ROUT application. Avoid contact with leaf petiole attachments and flowering parts. Application should be made with granular spreaders which allow for directed placement of ROUT to the base of plants. Consideration should be given to providing optimum ventilation to areas treated with ROUT to avoid injury due to vapors.

DRACAENA FIELD STOCK

Apply ROUT 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 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 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.

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* sp., as their leaves channel the herbicide granules to the leaf base. Note exception (~~page 12~~) 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 within two (2) months following treatment. Compatibility of ROUT 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 by aerial application except for agricultural uses in California.

ROUT 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.

IMPORTANT NOTICE: LIMITATION OF LIABILITY

This product has been researched to provide necessary data to support its use on ornamentals. However, it is understood that tests may not have been carried out on all varieties and under all growing conditions. The user should always follow label directions and exercise his judgment and caution when using this product on a given variety until familiar with the results under his growing conditions. NO WARRANTY OR REPRESENTATION IS MADE, EXPRESS, OR IMPLIED, CONCERNING THE RESULTS OBTAINED FROM THE USE OF THIS PRODUCT IF NOT USED IN ACCORDANCE WITH DIRECTIONS OR ESTABLISHED SAFE PRACTICE. The exclusive remedy of the user or Buyer, and the liability of The Scotts Company or its affiliates, for any and all losses, injuries or damages resulting from the use or handling of this product shall be the purchase price paid by the user or Buyer for the quantity of this product involved. The Buyer and all users are deemed to have accepted the terms of this Notice, which may be varied only by agreement in writing signed by a duly authorized representative of The Scotts Company.

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

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[UPC] [Pkg. Date]