

APR 20 1995

Mr. Henry E. Rohland  
Lebanon Chemical Corporation  
1600 E. Cumberland Street  
P.O. Box 180  
Lebanon, Pennsylvania 17042

Dear Mr. Rohland:

Subject: Country Club 19-4-9 with Ronstar®  
EPA Registration No. 961-340  
Application Dated January 16, 1995, Request To  
Amend Labeling To Remove Product from Scope  
of EPA's Worker Protection Standard and To  
Update the Label To Correspond with the Active  
Ingredient Supplier's Label for a Similar Product;  
Resubmission April 10, 1995 with Revised Confidential  
Statement of Formula

The Confidential Statement of Formula (CSF) submitted on  
EPA Form 8570-4 and dated April 7, 1995 has been reviewed  
and found acceptable as an amendment to the registration  
of the subject pesticide product under the Federal Insecticide,  
Fungicide and Rodenticide Act as amended. The revised  
CSF has been added to the file for this product.

The proposed labeling submitted with your application  
of January 16, 1995 has been reviewed and found acceptable  
under the Federal Insecticide, Fungicide and Rodenticide  
Act (FIFRA) as amended, provided that:

1. That the chemical expression of the active ingredient  
shown on the front panel: i.e., delta<sup>2</sup> graphics is  
clear and superscripted with a 2.
2. The label claim for dichondragrass is corrected  
by deleting the word "grass" from the name "dichondra".

3. Submit one (1) copy of the final printed label before releasing the product for shipment under the subject labeling.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA, Section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the labeling is enclosed for your records.

Sincerely yours,

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

Enclosure

E.Wilson:Diskette:ABC17:04-19-95

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# LEBANON COUNTRY CLUB

# 19-4-9

## With RONSTAR®

A selective preemergent herbicide for the control of Crabgrass, Goosegrass and other Annual Weeds in Turf and Woody Ornamentals

### NOT FOR USE ON HOME LAWNS

**ACTIVE INGREDIENT:**

Oxadiazon: 2-tert-butyl-4-(2,4-dichloro-5-isopropoxyphenyl)-2,1,3,4-oxadiazolin-5-one

1.73%

**INERT INGREDIENTS:**

98.27%

TOTAL: 100.00%

Registered TM of Rhone-Poulenc, Inc.

EPA Reg. No. 961-340

(L) (D)

EPA Est. 961-PA-01:961-IL-01

Superscript used is first letter of lot number.

<p><b>WARNING</b></p> <p><b>KEEP OUT OF REACH OF CHILDREN</b></p> <p><b>STATEMENT OF PRACTICAL TREATMENT</b></p> <p>IF ON SKIN: Wash with soap and water.</p> <p>See Back Panel for Additional Precautionary Statements</p>
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MANUFACTURED BY  
Lebanon Chemical Corporation  
Lebanon, PA 17042

Page 1 of 10 Pages  
961-340  
01/10/95

ACCEPTED  
with COMMENTS  
In EPA Letter Dated

APR 20 1995

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

961-340

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### FERTILIZER ANALYSIS

Total Nitrogen (N)	19%
2.85% Water Insoluble Nitrogen	
11.00% Ammoniacal Nitrogen	
5.15% Urea Nitrogen	
Available Phosphoric Acid (P <sub>2</sub> O <sub>5</sub> )	4%
Soluble Potash (K <sub>2</sub> O)	9%

Primary Nutrients From: Urea, Methylene Ureas, Ammonium Phosphate, Ammonium Sulfate, Ammoniated Superphosphate, Muriate of Potash, Sulfate of Potash, Sul-Po-Mag

**PRECAUTIONARY STATEMENTS**  
**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**  
**WARNING**

Causes eye and skin irritation. Avoid contact with skin, eyes or clothing. Avoid contamination of feed and foodstuffs. Keep opened containers away from children and animals. Wash clothing and equipment after handling this product. May be fatal if inhaled. Wear protective clothing including long-sleeved shirt and gloves when handling.

**ENVIRONMENTAL HAZARDS**

This pesticide is toxic to fish. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. RONSTAR® should not be used in areas where irrigation or rainfall results in the direct or indirect (via ditches and canals) contamination of surface waters through dissolved runoff or erosion of soil particles to which oxadiazon is absorbed. Do not contaminate water by cleaning of equipment or disposal of wastes.

**STORAGE AND DISPOSAL**

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

**STORAGE:** Keep in original container in a cool, dry area away from extreme heat and direct sunlight. Do not store near food, feed, seeds or other pesticides.

**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.

### DIRECTIONS FOR USE

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

**NOT FOR USE ON PLANTS BEING GROWN FOR SALE OR OTHER COMMERCIAL USE, OR FOR COMMERCIAL SEED PRODUCTION OR FOR RESEARCH PURPOSES. FOR USE ON PLANTS INTENDED FOR AESTHETIC PURPOSES OR CLIMATIC MODIFICATIONS AND BEING GROWN IN INTERIOR PLANTSCAPES, ORNAMENTAL GARDENS OR PARKS, OR ON GOLF COURSES OR LAWNS AND GROUNDS.**

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### GENERAL INFORMATION

This product is a combination product consisting of a fine quality fertilizer and an excellent selective preemergence herbicide for the control of many broadleaf weeds and annual grasses in ornamental turf, and on a wide variety of woody ornamentals. Weeds are controlled by killing the young weed seedlings as they come in contact with the herbicide during germination.

Apply this product with a properly calibrated granular applicator that will apply the granules uniformly (uniform application is essential for satisfactory weed control). Calibrate the applicator prior to use, according to the manufacturer's directions, and check frequently during the application to be certain that the equipment is working properly.

Do not allow domestic animals to graze treated areas. Avoid contamination of water intended for irrigation and domestic use.

### SUGGESTED SPREADER SETTINGS

SPREADER	SPEED			Rate Table and Spreader Settings	
	Ground MPH	PTO RPM	Width of Coverage	0.75# N/1000 4#1000 175#Acre	1# N/1000 5 1/4 #1000 230#Acre
Show 'n Tell (Drop Type)	3			6	6 1/2
Jet Spred® (Rotary)	3		8 ft.	3	3 1/2
Cyclone	3		8 ft.	3	3 1/2
Ezee Flow (109)	5	540	30 ft.	C1	C2
Lely Wheel-Drive	4 1/2		39 ft.	4II	5II
Lely PTO-Drive	5	425	39 ft.	4II	5II
Scotts (Drop Type)	3			4 1/2	5
Scotts (Rotary)	3		8 ft.	E	G

These settings were calibrated and field tested. However, age and condition of spreader, speed of operation, and evenness of terrain may require slightly different settings for desired coverage.

### TURF

For use in established perennial Bluegrass, Bermudagrass, Perennial Ryegrass and St. Augustinegrass turf, such as fairways, parks, golf courses and lawns. This product controls Crabgrass (*Digitaria spp.*), Annual Bluegrass (*Poa annua*) and Goosegrass (*Eleusine indica*). Also controls Florida Pusley (*Richardia scabra*), Oxalis (*Oxalis spp.*), Stinging Nettle (*Urtica dioica*), Carpetgrass (*Axonopus offinis*) and Pigweed (*Amaranthus spp.*).

Rake turf area free of leaves, mowing if necessary, so granules reach soil surface. Measure area to be treated and uniformly apply required amount, using a fertilizer spreader. Cross-treating with one-half required amount in each direction will give best results. **DO NOT apply to wet turf.** If rain is not expected shortly after application, sprinkling turf thoroughly will increase effectiveness

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## AMOUNT TO USE

**CRABGRASS AND GOOSEGRASS CONTROL:** For preemergent control, apply 175 lbs. per acre (3 lbs. active ingredient) or 4 lbs. per 1,000 sq. ft. in early Spring prior to seed germination. Application made after March or April may not be fully effective.

**ANNUAL BLUEGRASS CONTROL:** For preemergent control, apply 230 lbs. per acre (4 lbs. active ingredient) or 5 1/4 lbs. per 1,000 sq. ft. in late Summer to early Fall or in early Spring prior to seed germination.

**PIGWEEED, FLORIDA PUSLEY, OXALIS, STINGING NETTLE AND CARPETGRASS CONTROL:** For preemergent control of these weeds, apply 230 lbs. per acre (4 lbs. active ingredient) or 5 1/4 lbs. per 1,000 sq. ft. in early Spring prior to weed seed germination.

For **ST. AUGUSTINEGRASS** turf, **DO NOT** exceed the rate of 175 lbs. per acre (3 lbs. active ingredient).

May cause discoloration of Bermudagrass and St. Augustinegrass. This discoloration is temporary and normally outgrown within 2 to 3 weeks.

Red Fescue and Bentgrass are not tolerant to Ronstar<sup>®</sup>. The use of this product on turf containing Red Fescue or Bentgrass should be limited to situations where they are undesirable grasses. Avoid contact with flowers and shrubs except as recommended elsewhere on this label. **DO NOT** apply to newly seeded areas. Seeding into treated areas should be delayed until 4 months after treatment. Do not apply to Dichondragrass, Zoysiagrass or Centipedegrass. Should not be used on putting greens or tees because of the varying cultural practices used.

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## WOODY ORNAMENTAL SHRUBS, VINES AND TREES

### APPLICATION

Apply this product anytime during the year, prior to weed seed germination, for weed control. Can be applied to both newly transplanted and established ornamentals. Application can be made to actively growing or dormant ornamentals. Rainfall or overhead irrigation after application will improve weed control activity. Should not be mixed into the soil. Cultivating or disturbing the soil may reduce the weed control activity of Ronstar®. **DO NOT apply to wet foliage or under conditions which granules will collect on leaves.**

### AMOUNT TO USE

Ground Application: Apply this product broadcast to ornamentals at 175 lbs. of product per acre (or 4 lbs. per 1,000 sq. ft.) depending on the weeds to be controlled, as listed below. Remove existing weed growth before application.

Application of 175 lbs. (3 lbs. of active ingredient) per acre, is effective in controlling annual grasses and broadleaf weeds such as:

### ANNUAL BROADLEAF WEEDS

- |   |   |
|---|---|
| Bittercress ( <i>Cardamine</i> spp.)          | Pennsylvania Smartweed ( <i>Polygonum pensylvanicum</i> ) |
| Carpetweed ( <i>Mollugo verticillata</i> )    | Petty Spurge ( <i>Euphorbia peplus</i> )                  |
| Common Groundsel ( <i>Senecio vulgaris</i> )  | Redroot Pigweed ( <i>Amaranthus retroflexus</i> )         |
| Common Purslane ( <i>Portulaca oleracea</i> ) | Speedwell ( <i>Veronica</i> spp.)                         |
| Eveningprimrose ( <i>Oenothera</i> spp.)      | Spotted Catsear ( <i>Hypochaeris radicata</i> )           |
| Galinsoga ( <i>Galinsoga</i> spp.)            | Swinecress ( <i>Coronopus didymus</i> )                   |
| Golden Ragwort ( <i>Senecio aureus</i> )      | Yellow Woodsorrel ( <i>Oxalis stricta</i> )               |
| Lambsquarters ( <i>Chenopodium album</i> )    |   |

### ANNUAL GRASSES

- |   |   |
|---|---|
| Annual Bluegrass ( <i>Poa annua</i> )           | Fall Panicum ( <i>Panicum dichotomiflorum</i> ) |
| Barnyardgrass ( <i>Echinochloa crus-galli</i> ) | Green Foxtail ( <i>Setaria viridis</i> )        |
| Crabgrass ( <i>Digitaria</i> spp.)              |   |

**NOTE:** For the control of Liverwort (*Marchantia* spp.) in California, Goosegrass (*Eleusine indica*) and Prostrate Spurge (*Euphorbia supina*), use 230 lbs. (4.0 lbs. of active ingredient) per acre.

**CROP TOLERANCE:** Recommended for use on a wide variety of container and field grown woody ornamental shrubs, vines and trees. May be used at the recommended rates on the following ornamental species:

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### CONTAINER GROWN

SPECIES	VARIETIES	SPECIES	VARIETIES
Agapanthus	Africanus	Jasmine	Yellow Star, Star
Andromeda	Japanese	Juniper	Barharbor, Wiltoni, Torulosa,
Arborvitae	American, Eastern,		Pfizeriana Compacti,
	Oriental, Aureanana,		Pfizeriana Aurea, Torulosa
	Globe, Pyramidal,		Variiegata, Pfizerania Glauca,
	Woodward		Gulf Stream, Tam, Armstrongii,
Arctostaphylos	Fred Oelher		Shore, Andora, San
Azalea	Hino Red, Red, Boudoir,		Jose, Blue Haven,
	Snowball, Karen, Kaempp,		Stricta, Jade River,
	Stuartonian, Mollishybrid,		Broadmoor, Meyeri,
	Sweetheart Supreme,		Rocket, Plumosa,
	Salmon Beauty, Caroline		Royal Beauty, Praecox,
	Gable, Louise, Stewartsonian,		Greek, Apiculata,
	Rosebud		Blackburn, Plumosa
Barberry	Redleaf, Marshall Red,		Compacta Procum-
	Darwinii, Irwinii, Purpleleaf		bens, Blue Pfizer
Boxwood	Common, Japanese	Justica	Brandegeana
Callistemon	Bottlebrush	Leucothoe	Catesbaei, Axillaris
Camellia	Glen #40, Sasanqua,	Myrtle	Compacta Noellii
	Colonel Fiery	Magnolia	Dr. Merrill, Samuel
Ceanothus			Somers, Grandiflora
Cedar	Atlas, Portoford (Allumii)	Mahonia	Oregon Grape-Holly
Cotoneaster	Paineyi, Bearberry, Coral	Osmanthus	Fortunes
	Beauty, Greyleaf, Cranberry,	Periwinkle	Vinca Minor
	Silverleaf, Peking, Bright Bead,	Photinia	Frazerii
	Dammeri Skolgholm, Micro-	Pine	Slash, Japanese Black,
	phylla, Lowfast, Glaucohylla		Montana, Scotch,
Cypress	Monterey		Digger, Shore,
Dogwood	Red Osier		Thumbergii
Douglas Fir	Pseudotsugamenziesii	Pittosporum	Variiegated, Japanese
Eucalyptus	Sideroxylon, Nicholli	Podocarpus	Macrophylla
Euonymus	Greenlane, Microphylla	Privet	Japanese, Waxleaf,
	Variiegata, Emeraldgaety,		Glossy, Vicary,
	Dwarf, Gold, Spot, Golden		Golden Vicary, Curly Leaf
	Green, Silver King, Winter-	Pyranantha	Victory, Scarlet Fire-
	creeper Vegetus, Emerald		thorn, Wyatt, Graberri
	Cushion, Spreading	Quercus	
Forsythia	Lynwood Gold	Raphiolepis	India Hawthorn
Gardenia	Amy Yashioka, August Beauty,	Rhododendron	Cunningham, Blue Diamond,
	Mystery		Snow, Christmas, Chionoides,
Ginko	Biloba		'PJM,' Dr. Rutgers, Coral
Heath			Bells, President Clay, Summer
Heather	Mrs. Maxwell		Snow, Bigleaf Winter-Creeper,
Hedera	English Ivy		Charlotte Armstrong

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**SPECIES**  
Honeysuckle  
Holly

**VARIETIES**  
Purpleleaf, Purpurea  
Dwarf Okinowan, Convexa,  
Rotundifolia, Hetzi, Helleri,  
Burfordi, English, Hellus, Dwarf  
Yaupon, Nellie R. Stevens,  
Boxleafed, Green Island,  
Japanese

**SPECIES**  
Star Jasmine  
Syzygium  
Viburnum  
Xylosma

**VARIETIES**  
Yellow Star Jasmine  
Paniculatum  
Sandankwa, Laurenstinus,  
David  
Congestum

**NEWLY-TRANSPLANTED**

**SPECIES**  
Andromeda  
Arborvitae  
Azalea  
Barberry  
Cedar  
Cotoneaster

**VARIETIES**  
Japanese  
Globe, Woodward  
Hino Red, Louise,  
Rosebud, Stewartsonian  
Marshall Red, Darwinii,  
Irwinii, Purpleleaf  
Portoford (Allumii)  
Cranberry, Peking, Coral  
Beauty, Bright Bead,  
Paineyi, Dammeri  
Skolgholm, Microphylla,  
Glaucophylla  
Monterey  
Red Osier  
Greenlane, Emerald Cushion,  
Spreading  
Lynwood Gold  
English, Japanese  
Rotundifolia, Helleri

**SPECIES**  
Juniper  
  
  
  
Leucothoe  
Magnolia  
Mahonia  
Pine  
Privet  
Pyracantha  
Rhododendron  
  
Rose

**VARIETIES**  
Plumosa, Plumosa  
Compacta, Old Gold,  
Pfizeriana Aurea,  
Torulosa, Armstrongii,  
Tam Wiltoni,  
Procumbens  
Axillaris  
Dr. Merrilli  
Oregon Grape-Holly  
Slash  
Japanese, Waxleaf  
Graberii  
Snow, Blue Diamond,  
Chionoides, 'PJM,'  
Dr. Rutgers  
Summer Snow, Bigleaf  
Winter Creeper,  
Charlotte Armstrong

**ESTABLISHED, FIELD-GROWN**

**SPECIES**  
Arborvitae  
Ash  
Azalea  
Barberry  
Birch  
Camellia

**VARIETIES**  
Pyramidal  
Green  
Hinodigeri  
Red, Mentor  
Clump, Paper  
Tiffany, Marie Bracey.  
Elizabeth Dowd, Tom  
Knudsen, Crimson Robe,  
R.D. Wheeler

**SPECIES**  
Pittosporum  
Privet  
Rhododendron  
Rose  
  
Russian Olive  
Spruce

**VARIETIES**  
Undulatum  
California, Japanese  
Rosebud  
Texas Centennial,  
Sutters Gold, Show  
Girl  
  
Black Hills, Norway,  
Serbian

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SPECIES	VARIETIES	SPECIES	VARIETIES
Cotoneaster	<i>Lowfast, Skolgholm</i>	Taxus	<i>Taunton Spreading</i>
Crabapple	<i>Flowering, Torringo</i>		<i>Yew, Hicks</i>
Dogwood	<i>Redstemmed, Red, Flowering</i>	Tsuga	<i>Canadian Hemlock</i>
		Viburnum	<i>European Cranberry Bush</i>
Euonymus	<i>Burning Bush, Dwarf Burning Bush, Jewell</i>	<b>Xylosma</b>	
Forsythia	<i>Showy Border, Lynngold, Lynwood Gold, Goldenbell</i>	<b>Ground Covers</b>	
Holly	<i>Boxleafed, Green Island, Japanese</i>	Carpobrotus	<i>Edule</i>
		Osteospermum	
Honeysuckle	<i>Zabeli</i>	Sedum	<i>Album</i>
Juniper	<i>Plumosa, Mint Julip, Arcardia, Variegata, Plumosa Compacta, Andora, Wiltoni, Hetzi</i>	Algerian Ivy	
		Vinca Major	
Lilac	<i>Persian, Dwarf Korean</i>	English Ivy	
Maple	<i>Amur</i>	Pachysandra	<i>Terminalis</i>
Oak	<i>Red</i>	Ajuga	<i>Reptans</i>
Periwinkle	<i>Vinca Minor</i>	Euonymus	<i>Fortunei Radicans</i>
Pine	<i>Austrian, Scotch, Norway, Stone, Japanese Black, Loblolly, Slash, Eastern White</i>		

**NEWLY-TRANSPLANTED, FIELD-GROWN**

SPECIES	VARIETIES	SPECIES	VARIETIES
Camellia	<i>Tiffany, Marie Bracey, Elizabeth Dowd, R.D. Wheeler, Tom Knudsen, Crimson Robe</i>	Periwinkle	<i>Vinca Minor</i>
		Pine	<i>White Austrian, Eastern White</i>
Dogwood	<i>Redstemmed, Red, Flowering</i>	Privet	<i>California, Japanese</i>
Forsythia	<i>Showy Border, Lynwood Gold, Goldenbell</i>	Rhododendron	<i>Rosebud</i>
		Russian Olive Spruce	<i>Black Hills, Norway, Serbian</i>
Hedera	<i>English Ivy</i>	Taxus	<i>Hicks</i>
Holly	<i>Green Island, Japanese</i>	Tsuga	<i>Canadian Hemlock</i>
Juniper	<i>Plumosa, Andora, Wiltoni, Hetzi</i>		
Oak	<i>Red</i>		

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### ADDITIONAL APPLICATIONS

For continued weed control, additional applications may be made 60 to 120 days after the previous application in the following situations:

#### 2 REPEAT TREATMENTS CONTAINER GROWN, ESTABLISHED

SPECIES	VARIETIES
Abelia	<i>Grandiflora</i>
Common Boxwood	
English Ivy	
Holly	<i>Helleri</i>
Juniper	<i>Tam</i>
Pine	<i>Slash</i>
Rhododendron	<i>Obtusa, Kurume, Formosa, Kurume Snow</i>

#### CONTAINER GROWN, NEWLY-TRANSPLANTED

SPECIES	VARIETIES
Common Boxwood	
English Ivy	
Juniper	<i>Tam</i>
Pine	<i>Slash</i>
Rhododendron	<i>Obtusa, Kurume Formosa</i>

#### FIELD GROWN, ESTABLISHED AND NEWLY-TRANSPLANTED

SPECIES	VARIETIES
Holly	<i>Nellie R. Stevens, Dwarf Burford, Burford</i>

#### 3 REPEAT TREATMENTS CONTAINER GROWN, ESTABLISHED

SPECIES	VARIETIES
Abelia	<i>Grandiflora</i>
Holly	<i>Helleri, Rotundifolia</i>
Rhododendron	<i>Kurume Formosa, Kurume Snow</i>

#### GREENHOUSE GROWN, ESTABLISHED

SPECIES	VARIETIES
Rose	<i>Sonia, Forever Yours, Coed, Golden Wave</i>

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## FOREST NURSERIES, SEEDLINGS AT LEAST 4 WEEKS OLD

### SPECIES

Pine

### VARIETIES

*Loblolly, Slash  
Eastern White*

Local conditions may affect the use of this chemical. Consult State Agricultural Experiment Station or Extension Service weed specialists for specific recommendations for local weed problems and for information on possible lower dosages.

### WARRANTY

The Manufacturer warrants that this product conforms to its chemical description and is reasonably fit for the purpose stated on the label when used in accordance with directions under normal conditions of use, but neither this warranty nor any other warranty of merchantability or fitness for a particular purpose, expressed or implied, extends to the use of this product contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to Seller, and Buyer assumes the risk of any such use.

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