

# HARRELL'S

# RONSTAR® 1.5 with FERTILIZER

PM 23  
5/1/72  
Basic Label

This Product May Also be Used On Ornamental Shrubs, Vines & Trees  
Ask for the Supplemental Label Which Covers Those Uses

**FOR USE ON PARKS, GOLF COURSES,  
ATHLETIC FIELDS, AND OTHER  
RECREATIONAL AND ORNAMENTAL  
TURFGRASS AREAS**

**RONSTAR WEED CONTROL WITH FERTILIZER  
FOR USE ON PERENNIAL BLUEGRASS,  
PERENNIAL RYEGRASS  
ST. AUGUSTINEGRASS, BERMUDAGRASS  
TALL FESCUE & ZOYSIAGRASS  
50 lb. Bag Treats up to 16,300 Sq.Ft.**

Controls: Crabgrass, Annual Bluegrass, Goosegrass, Florida Pusley,  
Oxalis, Stinging Nettle, Carpetgrass, Pigweed & Other Weeds Listed

**ACTIVE INGREDIENT:**

Oxadiazon; [2-tert-butyl-4-(2,4-dichloro-5-isopropoxyphenyl) Δ <sup>2</sup> -1,3,4-oxadiazolin-5-one].	1.50%
INERT INGREDIENTS: .....	98.50%
	Total 100.00%

Contains RONSTAR® Herbicide  
a Registered Trade Mark of Rhone Poulenc Inc.

## KEEP OUT OF REACH OF CHILDREN WARNING

### STATEMENTS OF PRACTICAL TREATMENT

**IF SWALLOWED:** Call a physician or Poison Control Center immediately. Induce vomiting by giving victim 1 or 2 glasses of water & touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious or convulsing person.

**IF IN EYES:** Flush eyes with plenty of water. Get medical attention if irritation persists.

**IF ON SKIN:** Wash with plenty of soap & water. Get medical attention if irritation persists.

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS  
EPA Reg. No. 52287 EPA EST. NO. 52287-FL-1

### PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**WARNING:** Causes eye and skin irritation. Avoid contact with skin, eyes or clothing. Thoroughly wash face and hands with soap and water after exposure and before eating or smoking. Wear protective clothing including long-sleeved shirt & gloves when handling. Launder exposed clothing before reuse. Do not allow domestic animals to graze treated areas. Avoid contamination of feed and foodstuffs.

#### ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. Do not apply directly to water. Do not apply when weather conditions favor drift from areas treated. Do not apply where runoff is likely to occur. Do not contaminate water when disposing of equipment washwaters. Apply only as specified on this label.

#### DIRECTIONS FOR USE

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

#### STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal  
**STORAGE:** Store product in its original bag, in a cool, dry, locked place

### FOR SALE TO, USE AND STORAGE BY COMMERCIAL NURSERY, TURF & LANDSCAPE PERSONNEL ONLY NOT FOR USE ON HOME LAWNS.

Applied according to Directions on the following established turfgrass varieties: BERMUDAGRASS, PERENNIAL BLUEGRASS, PERENNIAL RYEGRASS VARIETIES, ST. AUGUSTINE GRASS VARIETIES, TALL FESCUE, & ZOYSIAGRASS lawns & ornamental turf. It may be used for Apartment and Condominium complexes, Parks, Golf Courses, Sod Farms, Athletic Fields, Cemeteries and all other ornamental and recreational turf grass areas.

#### CONTROLS GRASSY WEEDS & ROADLEAF WEEDS

Annual Bluegrass (Poa Annua), Barnyard Grass, Crabgrass, Fall Panicum, Florida Pusley, Goose grass, Green Foxtail, Oxalis, Stinging Nettle, Carpet grass, Pigweed.

#### HOW TO APPLY

Rake the area free of leaves and troublesome thatch. Mow if necessary so that granules will reach the soil surface. Know the Square footage area to be treated and uniformly apply the required amount using a fertilizer spreader (see Spreader Settings chart) Do not apply to turf when it is wet. Do not overlap spreader applications, on St. Augustinegrass since discoloration "streaking" may temporarily occur from "double rate". After applications if rain is not expected within 24 hours sprinkle the treated turf with 1/4 to 1/2 inch of water to get maximum weed control.

#### HOW MUCH TO USE

**FOR CRABGRASS:** Apply 50 lbs /16,300 Sq.Ft. when turf has been in a yearly maintenance program (equal to 2 lbs. A.I. herbicide per acre.) Apply 50 lbs. to treat 11,000 Sq.Ft. of lawn if it has been heavily infested with Crabgrass; equal to 3 lb. A.I. herbicide per acre. Apply in early spring 1 to 2 weeks prior to weed seed germination. This product is a pre-emergence herbicide. It will not control emerged and growing weeds; only germinating weed seeds. Late applications will control only those weed seeds that germinate after the application. See "When To Apply" Chart.

**GOOSEGRASS & PROSTRATE SPURGE:** These weeds do not usually germinate until late spring or early summer. Apply 50 lbs. to treat 8,350 Sq.Ft. (4 lbs. A.I./acre) & apply 1 to 2 weeks prior to seed germination. See Chart for When To Apply. Observe maximum rate for St. Augustine grass.

**FOR PERENNIAL BLUEGRASS (POA ANNUA):** Apply 50 lbs. per 8,350 to 9,675 Sq.Ft. of Lawn; equal to 3.5 to 4 lbs. active herbicide per acre. Apply in late summer to fall or in early spring 1 to 2 weeks before expected weed seed germination. Will not control annual bluegrass present at time of application; therefore only germinating seeds. Refer to chart for proper timing in your locale. Annual BARNYARDGRASS and PROSTRATE SPURGE may also be controlled by this same rate. Observe maximum rate for St. Augustine grass.

**FOR PIGWEED, FLORIDA PUSLEY, OXALIS, STINGING NETTLE AND CARPETGRASS:** Where these weeds are a problem apply 50 lbs. to treat 8,350 to 9,675 Sq.Ft. of Lawn; (equal to 3.5 to 4 lbs. Active Herbicide per acre) in early spring or 1 to 2 weeks before expected weed seed germination. Will not control of emerged and growing weeds; only effective against germinating weed seeds. Observe maximum rate for St. Augustine grass.

#### SPREADER SETTINGS FOR SQUARE FOOT COVERAGE

	AMT. OF	16,300 Sq.Ft.	11,000 Sq.Ft.	8,350 Sq.Ft.
SPREADER PRODUCT	= 20 A.I./Acre	= 30 A.I./Acre	= 40 A.I./Acre	

CYCLONE B 1	50 LBS.	3 1/2	4 1/2	5 1/2
SCOTTS #35	50 LBS.	3 1/2	4	4 1/2

NOTE: Spreader rate varies with walking speed. Check spreader over known area. Refer to Spreader Manufacturer's Operations Manual for proper calibration.

**NOTICE:** Buyer and user assume all risk and liability of use, storage and/or handling of this product not in accordance with the terms of this label.

out of reach of children. In case of spill, sweep up, and use according to directions or dispose of as follows.

**PESTICIDE DISPOSAL:** Pesticide wastes are toxic. Improper disposal of excess pesticide, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA regional office for guidance.

**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.

**GUARANTEED FERTILIZER ANALYSIS**

Total Nitrogen (N) ..... 38%  
Urea Nitrogen 38%  
Available Phosphoric Acid (P<sub>2</sub>O<sub>5</sub>) .... 0%  
Soluble Potash (K<sub>2</sub>O) ..... 0%

Derived from Urea, Cyanamide  
Upon analysis  
Net Weight 50 POUNDS  
Under the Federal Insecticide, Fungicide, and Rodenticide Act

**WHEN TO APPLY**

**APPROPRIATE TIMES TO APPLY THIS PRE-EMERGENT HERBICIDE**

JAN FEB MAR APR MAY JUNE JULY AUG SEPT OCT NOV DEC

1.// 2.// 3.// 4.//

- 1. For CRABGRASS & other Grasses & Broadleaf Weeds germinating in the Spring in Northern turf
- 2. For GOOSEGRASS & other Late Germinating Annual Grasses & Broadleaf Weeds such as PROSTRATE SPURGE. 2a. GOOSEGRASS in Southern Turf.
- 3. For POA ANNUA in Northern Turf. 3a. For POA ANNUA in Southern Turf.
- 4. For Fall-Winter-Spring control of ANNUAL WEEDS in Southern Turf.

**PRECAUTIONS IN USING**

Do not use on desirable Red Fescue, Bentgrass varieties, Dichondra, or Centipede grass since damage will occur. Do not use on Putting greens or "Tees" due to varying cultural practices used. Use only the rate of 50 lbs. to treat 11,000 Sq Ft. on St. Augustinegrass since temporary discoloration will occur from heavier rates. Avoid contact with flowers and shrubs except as recommended on the Ornamental Use Supplemental Labeling available for this product. For newly seeded lawns do not apply this product until after the second or third cutting. For best lawn care, place new grass seed in the fall of the year. Spring pre-emergence weed control can then be applied.

**RESEEDING TREATED AREAS**

Delay new seeding until 4 months after treatment.

JUN 26 1990

**HARRELL'S, INC.**

ACCEPTED BOX 807 - LAKELAND, FLORIDA 33802

MAY 31 1990

**BEST AVAILABLE COPY**

# RONSTAR®1.5 with FERTILIZER

SUPPLEMENTAL LABELING FOR USE AROUND WOODY ORNAMENTAL SHRUBS, VINES, TREES & CONTAINER GROWN ORNAMENTALS

50 lb. Bag Treats up to 16,300 Sq.Ft.  
A Commercial Weed & Feed "Preemergent + Fertilizer"

**FOR SALE TO, USE AND STORAGE BY COMMERCIAL NURSERY, TURF AND LANDSCAPE PERSONNEL ONLY  
NOT FOR USE ON HOME LAWNS**

SEE BASIC PRODUCT LABEL EPA REG NO. 52287-2  
FOR COMMERCIAL USE OF THIS PRODUCT ON PARKS, GOLF COURSES, ATHLETIC FIELDS, AND OTHER RECREATIONAL AND ORNAMENTAL TURFGRASS AREAS

Controls: Crabgrass, Annual Bluegrass, Goosegrass, Florida Pusley, Oxalis, Stinging Nettle, Carpetgrass, Pigweed and Many Other Weeds as Listed

**ACTIVE INGREDIENT:**

Oxadiazon; [2-tert-butyl-4-(2,4-dichloro-5-isopropoxyphenyl)-1,3,4-oxadiazolin-5-one]. 1.50%

INERT INGREDIENTS: ..... 98.50%  
Total 100.00%

Contains RONSTAR® Herbicide a Reg. T.M. of Rhone Poulenc Inc.

## KEEP OUT OF REACH OF CHILDREN WARNING

**STATEMENTS OF PRACTICAL TREATMENT**

**IF SWALLOWED:** Call a physician or Poison Control Center immediately. Induce vomiting by giving victim 1 or 2 glasses of water & touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious or convulsing person.

**IF IN EYES:** Flush eyes with plenty of water. Get medical attention if irritation persists.

**IF ON SKIN:** Wash with plenty of soap & water. Get medical attention if irritation persists.

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS  
EPA Reg. No. 52287-2 EPA EST. NO 52287-FL-1  
NET WEIGHT 50 POUNDS

### PRECAUTIONARY STATEMENTS

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**WARNING:** Causes eye and skin irritation. Avoid contact with skin, eyes or clothing. Thoroughly wash face and hands with soap and water after exposure and before eating or smoking. Wear protective clothing including long-sleeved shirt & gloves when handling. Launder exposed clothing before reuse. Do not allow domestic animals to graze treated areas. Avoid contamination of feed and foodstuffs.

**ENVIRONMENTAL HAZARDS**

This pesticide is toxic to fish. Do not apply directly to water. Do not apply when weather conditions favor drift from areas treated. Do not apply where runoff is likely to occur. Do not contaminate water when disposing of equipment washwaters. Apply only as specified on this label.

**DIRECTIONS FOR USE**

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

### STORAGE AND DISPOSAL

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

**STORAGE:** Store product in its original bag, in a cool, dry, locked place out of reach of children. In case of spill, sweep up, and use according to directions or dispose of as follows.

**PESTICIDE DISPOSAL:** Pesticide wastes are toxic. Improper disposal of

## WEED CONTROL AROUND WOODY ORNAMENTAL SHRUBS, VINES & TREES CONTROLS GRASSY WEEDS & BROADLEAF WEEDS

Annual Bluegrass, Barnyardgrass, Bittercress, Carpetweed, Carpetgrass, Common Groundsel, Common Purslane, Crabgrass, \*Evening Primrose, Green Foxtail, Fall Panicum, Florida Pusley, \*Galinsoga, Golden Ragwort, \*Goosegrass, Lambsquarter, Oxalis, Pennsylvania Smartweed, Spiny Spurge, \*Prostrate Spurge, Redroot Pigweed, Spotted Catsear, Stinging Nettle, \*Swinecress, Yellow Woodsorrel.

Can be applied to both newly transplanted and established ornamentals plants where both weed control and fertilization is desired. Rainfall or overhead irrigation will improve weed control. Do not disturb or cultivate soil after treatment. Do not apply to wet foliage or under conditions in which granules will collect on leaves.

### HOW MUCH TO USE

For susceptible weeds apply 50 lbs. to treat 16,300 to 11,000 Sq Ft. of Ornamental planted area. This supplies plants with approximately 1.16 to 1.72 lbs. actual (N) Nitrogen plant food per 1,000 Sq.Ft. of plant bed. See Chart WHEN TO APPLY. (50 lbs./11,000 Sq.Ft. is preferred rate.) \*For hard to kill weeds as \*indicated use the rate of 50 lbs. for 11,000 Sq.Ft. or 50 lbs. for 8,350 Sq Ft. (3 to 4 lbs. A./Acre) = 4.5 lbs. to 6 lbs. actual product per 1000 Sq. Ft. of plant bed.

#### FOR AREAS WHERE WEEDS ARE GROWING

If treatment is desired in non-turf areas where weeds are presently growing first remove existing weeds. Rake and smooth the soil by "breaking-up" clumps. Apply at rate as directed for specific weeds. (50 lbs. to treat either 16,300 Sq. Ft. or 11,000 Sq Ft.) This treatment will only control weeds germinating from seeds. It will not control weeds sprouting from roots! Irrigate the area after treatment with 1/4 to 1/2 inch water to get maximum weed control.

### FOR FIELD GROWN ORNAMENTALS

\*Apply at the rate of 50 lbs. per 16,300 or 11,000 Sq.Ft. of area. This product may be used around the following Established Plants. ARBORVITA, ASH, AZALEA, BARBERY Japanese, BIRCH, CAMELLIA, COTONEASTER, CRABAPPLE, DOGWOOD, EUONYMOUS, FORSYTHIA, HOLLY, HONEYSUCKLE, JUNIPER, LILAC, MAPLE, OAK PERIWINKLE, PINE, PITTOSPORUM, PRIVET, RHODODENDRON, ROSE, RUSSIAN OLIVE, SPRUCE, TAXUS, VIBURNUM, XYLOSA, GROUND COVERS: CARPUBROTUS, OSTEOSPERMUM, SEDUM, ALGERIAN IVY, VINCA MAJOR, ENGLISH IVY, PACHASANDRA, AJUGA, EUGNY WOUS. \*Use higher rate (50 lbs./11,000 Sq Ft) for hard to kill weeds.

May be used around the following newly transplanted ornamentals. CAMELLIA, DOGWOOD, FORSYTHIA, HEDRA, HOLLY, JUNIPER, OAK, PERIWINKLE, PINE, PRIVET, RHODODENDRON, RUSSIAN OLIVE, SPRUCE, TAXUS, TSUGA

To obtain continued season long weed control on the following list of plants additional applications may be made 60 to 120 days after the previous application in the following situations.

#### 2 REPEAT TREATMENTS 50 lbs / 11,000 SQ.FT ON FOLLOWING PLANTS

Established - Container Grown - Abelia, Common Boxwood, English Ivy, Holly, Juniper, Pine, Rhododendron. Newly Transplanted - Container Grown Common Boxwood, English Ivy, Juniper, Pine, Rhododendron

#### 3 REPEAT TREATMENTS 50 lbs / 11,000 SQ.FT. ON FOLLOWING PLANTS

Established - Container Grown - Abelia, Holly, Rhododendron. Forest Nurseries - For Pines - Loblolly, Slash, Eastern White.

State Pesticide or Environmental Control Agency, or the nearest representative at the nearest EPA regional office for guidance.

**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.

**GUARANTEED FERTILIZER ANALYSIS**

Total Nitrogen (N) . . . . .	38%
Methylene Diurea Nitrogen 38%	
Available Phosphoric Acid (P <sub>2</sub> O <sub>5</sub> ) . . . . .	0%
Soluble Potash (K <sub>2</sub> O) . . . . .	0%
Derived from Methylene Diurea	
(A Urea Formaldehyde Nitrogen Fertilizer Source)	

NOTICE. Buyer and user assume all risk and liability of use, storage and/or handling of this product in accordance with the terms of this label.

8-68663  
registered under  
the Federal Insecticide,  
Fungicide, and Rodenticide Act.

# HARRELL'S, INC.

JUN 2 6 1990 P.O. BOX 807 - LAKELAND, FLORIDA 33802

ACCEPTED

BEST AVAILABLE EIGHT

The product is suitable for use on woody ornamental shrubs, vines and trees. It may be used on the following list of container grown plants. Use at the rate of 50 lbs. per 8,350 sq. ft. of pot soil surface area. Plants in 14 inch containers set out in 12 foot wide rows X 100 feet long will require 7 1/4 lbs. product per row (Equivalent to 4 lbs. A.I. per acre). Apply with a "shoulder strap held" grass-seeder or granule applicator that will direct the granules to each pot soil surface . . . . .  
AGAPANTHES, ANDROMEDA, ARBORVITA, ARCTOSTAPHYLOS, AZALEA, BARBERRY, BOXWOOD- Common-Japanese, CAUSTEMON, CAMELLIA, CEANOTHUS, CEDAR, COTONEASTER, CYPRESS, DOGWOOD, DOUGLAS FIR, EUCALYPTUS, EUONYMOUS-Evergreen, FORTYTHIA, GARDENIA, GINKO, HEATH HEATHER, HEDERA, HOLLY, HONEYSUCKLE, JASMINE, JUNIPER-Varieties, JUSTICA, LEUCOTHOE, MAGNOLIA, MAHONIA, MYRTLE, OSMANTHUS, PERIWINKLE, PHOTINIA, PINE-Varieties, PITTOSPORUM, PODOCARPUS, PRIVET, PYRACANTHA, QUERCUS, RAPHIOLEPUS, RHODODENDRON, ROSE, STAR JASMINE, SYZYGIUM, VIBURNUM, XYLOSMA.