

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

JAN 30 1996

PM 23 264-538

yellow
10413

Ms. Lizbeth R. Simila
Rhone-Poulenc Ag Company
P.O. Box. 12014
2 T.W. Alexander Drive
Research Triangle Park, N.C. 27709

Dear Ms. Simila:

SUBJECT: Label Amendment - Split Labels for 1.5 Ounce and
1.0 Pound Packages Sizes.
Chipco Ronstar 50 WSP Herbicide
EPA Registration No. 264-538
Your Resubmission Dated November 30, 1995

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, is acceptable provided that you:

1. Include the Net Weight on the front panel of the label of each of the two different package sizes. Although this information is included elsewhere on the label, its inclusion on the front panel will be useful in distinguishing the two labels, thereby avoiding unnecessary confusion.
2. Submit one copy of your final printed labeling before you release the product for shipment.

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 bearing the amended labeling 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

RD:STANTON:PM Team 23:Rm. 235:CM-2:305-5218:Disk #2:S498135.LET

CONCURRENCES

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

BEST COPY AVAILABLE

CHIPCO® RONSTAR® 50 WSP

Herbicide

Selective Preemergent Herbicide for the Control of Annual Grasses and Broadleaf Weeds In Turf and Ornamentals

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

ACTIVE INGREDIENT:

Oxadiazon (2-tert-butyl-4-(2,4-dichloro-5-isopropoxyphenyl)-Δ-1, 3, 4-oxadiazolin-5-one)50%

INERT INGREDIENTS:

EPA Reg. No. 264-53850%

EPA Est.

KEEP OUT OF REACH OF CHILDREN WARNING AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.
(If you do not understand the label find someone to explain it to you in detail.)

For **MEDICAL** and **TRANSPORTATION** Emergencies **ONLY** Call 24 Hours A Day 1-800-334-7577
For **PRODUCT USE** Information Call 1-800-334-6745

STATEMENT OF PRACTICAL TREATMENT

IF IN EYES: Hold eyelids open and flush with steady, gently stream of water for 15 minutes. Get medical attention.

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

IF INHALED: Remove victim to fresh air. If not breathing, give artificial respiration, preferable mouth-to-mouth. Get medical attention.

IF SWALLOWED: Call a doctor or get medical attention. Do not induce vomiting. Drink promptly a large quantity of milk, egg whites, gelatin solution or if these are not available, drink large quantities of water. Avoid alcohol.

PRECAUTIONARY STATEMENTS

WARNING

HAZARDS TO HUMANS

Causes substantial but temporary eye injury. Causes skin irritation. Harmful if inhaled or absorbed through skin. Do not get in eyes, on skin or on clothing. Avoid breathing dust.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear coveralls over short-sleeved shirt and short pants, waterproof gloves, a chemical-resistant apron when cleaning equipment, mixing or loading, protective eyewear, chemical resistant headgear for overhead exposure and chemical resistant footwear plus socks. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. 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.

ENGINEERING CONTROLS STATEMENTS:

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 body thoroughly and put on clean clothing.

ENVIRONMENTAL HAZARDS

Do not apply directly to water. Do not contaminate water by cleaning of equipment or disposal of wastes. 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 adsorbed.

ACCEPTED
with COMMENTS
In EPA Letter Dated
JAN 30 1996

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
264-538

1.5 OZ. SIZE

BEST COPY AVAILABLE

30413

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.
Read entire label before using this product.

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 intervals. 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 12 hours.

PPE required for 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 short-sleeved shirt and short pants, waterproof gloves, protective eyewear, chemical-resistant footwear plus socks and chemical-resistant headgear for overhead exposure.

STORAGE AND DISPOSAL**STORAGE**

Do not contaminate water, food or feed by storage or disposal. Do not store in or around the home.

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.

GENERAL INFORMATION

One water soluble packet equals 1.5 ounces of product which is equivalent to 0.75 ounces of active ingredient.

CHIPCO® RONSTAR® 50 WSP is a selective, preemergent herbicide for control of many annual grasses and broadleaf weeds in turf and on a variety of woody ornamental shrubs and trees. CHIPCO® RONSTAR® 50 WSP controls weeds by killing the young weed seedlings as they come in contact with the herbicide during germination.

Apply CHIPCO® RONSTAR® 50 WSP with a properly calibrated sprayer that will apply the spray solution uniformly (uniform application is essential for satisfactory weed control). Calibrate the sprayer prior to use, according to the manufacturer's directions and check daily to be certain that the equipment is working properly.

GENERAL HANDLING INSTRUCTIONS: Each CHIPCO® RONSTAR® 50 WSP water soluble bag comes sealed in a clear plastic outer sleeve. Do not break the seal until the time of use. To use, open the end of the outer sleeve by tearing along the printed solid black line. Do not use a knife or other sharp object to break the seal. Once the outer protective sleeve is open, the water soluble bag inside can be dropped into the spray tank at the appropriate time without touching it.

HANDLING PRECAUTIONS

- Do not allow the empty outer sleeve or the tear-strip to fall into the spray tank as they are not water soluble and may clog the sprayer.
- Do not handle the inner bag with wet gloves as the bag will begin to dissolve on contact with even a small amount of water.
- Do not open the inner bags or attempt to remove the product from them. The water soluble packet is not designed to be re-measured or subdivided.
- The PVA bag should not be opened and partial bag not used for a tankmix.
- The entire contents of the water soluble bag must be used.

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

BEST COPY AVAILABLE

TURF

For use in dormant, established Bermudagrass, St. Augustinegrass and Zoysia turf such as fairways, parks, golf courses and lawns. CHIPCO® RONSTAR® 50 WSP controls Crabgrass, Goosegrass, Annual Bluegrass, Annual Sedge and Virginia Buttonweed. CHIPCO® RONSTAR® 50 WSP should be applied at least 2-3 weeks prior to green up. Rake turf area free of leaves, mowing if necessary so the spray solution reaches the soil surface. Measure the area to be treated and uniformly apply the amount required. If rain is not expected shortly after application, sprinkle the turf thoroughly.

PREEMERGENCE WEED CONTROL

WEEDS CONTROLLED	NUMBER OF CHIPCO® RONSTAR® 50 WSP PER 1000 ft ²	DIRECTIONS
Crabgrass (<i>Digitaria</i> spp.) Goosegrass (<i>Elymus indica</i>) Annual Bluegrass (<i>Poa annua</i>) Annual Sedge (<i>Cyperus compressus</i>)	1	Apply in late winter or early spring prior to weed seed germination and turf greenup. Treatment is effective only against spring germinating <i>Poa annua</i> . Apply in 0.75 - 3.5 gallons of water per 1000 sq. ft.

ANNUAL WEED CONTROL DURING BERMUDAGRASS ESTABLISHMENT FROM SPRIGS

WEEDS CONTROLLED	NUMBER OF CHIPCO® RONSTAR® 50 WSP PER 1000 ft ²	DIRECTIONS
Crabgrass, Goosegrass, and Annual Sedge	1	Make application immediately prior to or immediately after sprigging. Disturbance of the soil surface after CHIPCO® RONSTAR® 50 WSP application may disrupt the herbicide barrier and reduce effectiveness. Irrigate immediately after application for best results.

Do not apply RONSTAR® 50 WSP to newly seeded areas. Seeding into treated areas should be delayed until 4 months after treatment. RONSTAR® 50 WSP should not be used on putting greens or tees because of the varying cultural practices used. Apply in 0.75 - 3.5 gallons of water per 1000 sq. ft.

ORNAMENTALS AND CONIFER NURSERIES

WOODY ORNAMENTAL SHRUBS, TREES, AND CONIFER NURSERY APPLICATION: Apply CHIPCO® RONSTAR® 50 WSP prior to weed seed germination, as a directed spray to the soil surface or as an over the top spray only on labeled species. CHIPCO® RONSTAR® 50 WSP can be applied to both newly transplanted and established plants. Application can be made to actively growing or dormant plants. However, CHIPCO® RONSTAR® 50 WSP should not be applied during bud break or during the 4 weeks after bud break.

Rainfall or overhead irrigation (one-half inch) immediately after application of CHIPCO® RONSTAR® 50 WSP will improve weed control activity. Rainfall or overhead irrigation immediately after over the top sprays is required to move the CHIPCO® RONSTAR® 50 WSP from the foliage to the soil surface.

CHIPCO® RONSTAR® 50 WSP should not be mixed into the soil. Cultivating or disturbing the soil may reduce the weed control activity of CHIPCO® RONSTAR® 50 WSP. Do not apply in greenhouses as plant injury may result from codetillatation of CHIPCO® RONSTAR® active ingredient onto leaf surfaces in condensation.

AMOUNT TO USE: Ground Application - Apply CHIPCO® RONSTAR® 50 WSP broadcast, in a minimum of 1 gallon per 1000 ft², to ornamentals at 1 to 2 WS packets per 1000 ft², depending on the weeds to be controlled, as listed below. Remove existing weed growth before application.

CHIPCO® RONSTAR® 50 WSP at 1 to 2 WS packets per 1000 ft² is effective in controlling annual grasses and broadleaf weeds such as:

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ANNUAL BROADLEAF WEEDS		ANNUAL GRASSES	
Bittercress	(<i>Cardamine</i> spp.)	Annual Bluegrass	(<i>Poa annua</i>)
Bristly Oxtongue	(<i>Picris echioides</i>)	Annual Sedge	(<i>Cyperus compressus</i>)
Carpetweed	(<i>Mollugo verticillata</i>)	*Barnyardgrass	(<i>Echinochloa crus-galli</i>)
Cheeseweed	(<i>Malva parviflora</i>)	Carpetgrass	(<i>Axonopus affinis</i>)
*Common Groundsel	(<i>Senecio vulgaris</i>)	Crabgrass	(<i>Digitaria</i> spp.)
Common Purslane	(<i>Portulaca oleracea</i>)	Fall Panicle	(<i>Panicum dichotomiflorum</i>)
*Evening Primrose	(<i>Oenothera</i> spp.)	*Goosegrass	(<i>Elymus indica</i>)
Fiddleneck	(<i>Ammannia intermedia</i>)	Green Foxtail	(<i>Setaria viridis</i>)
Fireweed	(<i>Epilobium angustifolium</i>)	Ripgut Bromegrass	(<i>Bromus catharticus</i>)
Florida Pusley	(<i>Richardia scabra</i>)	Wild Oats	(<i>Avena fatua</i>)
*Galinsoga	(<i>Galinsoga</i> spp.)		
Golden Ragwort	(<i>Senecio aureus</i>)		
Lambsquarters	(<i>Chenopodium album</i>)		
*Liverwort	(<i>Marchantia</i> spp.)		
Oxalis	(<i>Oxalis</i> spp.)		
Pennsylvania Smartweed	(<i>Polygonum pennsylvanicum</i>)		
Petty Spurge	(<i>Euphorbia peplus</i>)		
*Prostrate Spurge	(<i>Euphorbia supina</i>)		
Redroot Pigweed	(<i>Amaranthus retroflexus</i>)		
Shepherdspurse	(<i>Capsella bursa-pastoris</i>)		
Speedwell	(<i>Veronica</i> spp.)		
Sow Thistle	(<i>Sonchus oleraceus</i>)		
Spotted Catsear	(<i>Hypochaeris radicata</i>)		
*Swinecress	(<i>Coronopus didymus</i>)		
Yellow Woodchick	(<i>Oxalis stricta</i>)		

*Use 2 water soluble packets per 1000 ft².

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PLANT TOLERANCE: CHIPCO® RONSTAR® 50 WSP can be used as directed spray to the soil surface on a wide variety of container and field grown woody ornamental shrubs and trees and on conifers in nurseries. CHIPCO® RONSTAR® 50 WSP may be used as an over the top spray in a minimum of 1 gallon per 1000 ft², at the recommended rates, on the following ornamental species only:

SPECIES	VARIETIES
Arborvitae	American - Smaragd, Rheingold Glenn - Zebra
Barberry	Japanese
Boxwood	Dazzler
Cedar	Eastern Red
Cranberry	American
Dodonea	Purpurea
Euonymus	Evergreen - Golden Japanese, Gold Spot
False Cypress	Nootka - Aurea Hinoki - Graciosa, Pyramis Sawara - Aurea Nana
Fir	Douglas, Fraser, Grand, Noble
Hemlock	Canada
Holly	Japanese - Helleri Kurogane Chinese - Parsonii
Juniper	Common - Berkshire, Effusa Creeping - Blue Chip, Blue Rug, Andorra Singleseed - Blue Star Savin - Buffalo, Tamariscifolia
Oleander	Common
Ophiopogon	
Pine	Eastern White, Mugho, Scotch
Raphiolepis	
Spruce	Blue

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.

LANDSCAPE PLANTINGS: COMMERCIAL, ROADSIDE, & INDUSTRIAL SITES. Apply CHIPCO® RONSTAR® 50 WSP prior to weed seed germination as an over the top spray only on labelled ornamentals.

AMOUNT TO USE: Apply CHIPCO® RONSTAR® 50 WSP broadcast, in a minimum of 1 gallon per 1000 ft², to established ornamentals at 1 WS paks per 1000 ft². Remove existing weed growth before application. Do not apply within 60 days of transplanting. Do not apply with adjuvants or drift control agents. Sprinkle irrigate within 2 hours after application, otherwise crop injury may result.

CROP TOLERANCE: CHIPCO® RONSTAR® 50 WSP may be used as an over the top spray on the following ornamental species only:

SPECIES	VARIETIES
Ice Plant	Large Leaf
Ivy	English, Algerian
Daisy	African Trailing
Periwinkle	Major, Minor

TANK-MIX COMBINATIONS: Ornamental Plantings and Noncropland areas:

Tank-mix combinations of CHIPCO® RONSTAR®/Roundup® are recommended to control existing undesirable vegetation. Applied as a directed spray, CHIPCO® RONSTAR® plus Roundup will provide pre and postemergence control of susceptible species listed on the respective labels of the two herbicides.

MIXING INSTRUCTIONS: CHIPCO® RONSTAR® 50 WSP should be added to the tank and agitated prior to introduction of Roundup. Please refer to Roundup label for information on surfactant use. Only mix the amount of spray needed for immediate application needs as settling can occur if spray mixture is allowed to sit over an extended period of time.

PRECAUTION: Roundup is not recommended as an over the top spray in ornamentals. Extreme care must be exercised to avoid contact of spray containing Roundup with foliage, stems, green bark, or bare roots of desirable turfgrasses, trees, shrubs, or other desirable vegetation since severe damage or destruction may result. If spraying areas adjacent to desirable plants with Roundup, use a shield made of cardboard, sheet metal, or plywood while spraying to help prevent spray from contacting foliage of desirable plants.

BROADCAST APPLICATION RATES:

CHIPCO® RONSTAR®/ROUNDUP

Existing Annual and Broadleaf Weeds	CHIPCO® RONSTAR® 50 WSP	ROUNDUP
	Number of WS Packets Per 1000 ft ²	Ounces Per 1000 ft ²
Less Than 6" Tall	1 - 2	3/4
Greater Than 6" Tall	1 - 2	1 1/8
Existing Perennial	1 - 2	1 1/2 - 3

These rates are intended as general information. Consult rate sections in individual product labels for detailed information on specific weed species controlled and rates of application.

LIMITED WARRANTY AND DISCLAIMER

The manufacturer warrants that this product conforms to the chemical description on the label; that this product is reasonably fit for the purposes set forth in the directions for use when it is used in accordance with such directions; and that the directions, warnings and other statements on this label are based upon responsible experts' evaluation of reasonable tests of effectiveness, of toxicity to laboratory animals and to plants, and of residues, and upon reports of field experience. Tests have not been made on all varieties or in all states or under all conditions. THE MANUFACTURER NEITHER MAKES NOR INTENDS, NOR DOES IT AUTHORIZE ANY AGENT OR REPRESENTATIVE TO MAKE, ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, AND IT EXPRESSLY EXCLUDES AND DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

THIS WARRANTY DOES NOT EXTEND TO, AND THE BUYER SHALL BE SOLELY RESPONSIBLE FOR, ANY AND ALL LOSS OR DAMAGE WHICH RESULTS FROM THE USE OF THIS PRODUCT IN ANY MANNER WHICH IS INCONSISTENT WITH THE LABEL DIRECTIONS, WARNINGS OR CAUTIONS.

BUYER'S EXCLUSIVE REMEDY AND MANUFACTURER'S OR SELLER'S EXCLUSIVE LIABILITY FOR ANY AND ALL CLAIMS, LOSSES, DAMAGES, OR INJURIES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER OR NOT BASED IN CONTRACT, NEGLIGENCE, STRICT LIABILITY IN TORT OR OTHERWISE SHALL BE LIMITED, AT THE MANUFACTURER'S OPTION, TO REPLACEMENT OF, OR THE REPAYMENT OF THE PURCHASE PRICE FOR, THE QUANTITY OF PRODUCT WITH RESPECT TO WHICH DAMAGES ARE CLAIMED. IN NO EVENT SHALL MANUFACTURER OR SELLER BE LIABLE FOR SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

NET CONTENTS: 1.5 OUNCES

*Roundup is a registered trademark of Monsanto Agricultural Company.

Rhône-Poulenc Ag Company
P.O. Box 12014, 2 T.W. Alexander Drive
Research Triangle Park, North Carolina 27709
CHIPCO and RONSTAR are registered trademarks of Rhône-Poulenc.

CHIPCO® RONSTAR® 50 WSP (1.5 oz.) (PENDING) Submitted 11/30/95, Revised 1/25/96 per EPA verbal request.

CHIPCO® RONSTAR® 50 WSP

Herbicide

Selective Preemergent Herbicide for the Control of Annual Grasses and Broadleaf Weeds In Turf and Ornamentals

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

ACTIVE INGREDIENT:

Oxadiazon (2-tert-butyl-4-(2,4-dichloro-5-isopropoxyphenyl)-Δ-1, 3, 4-oxadiazolin-5-one)50%

INERT INGREDIENTS:

.....50%

EPA Reg. No. 264-538

EPA Est.

KEEP OUT OF REACH OF CHILDREN WARNING AVISO

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For **MEDICAL** and **TRANSPORTATION** Emergencies **ONLY** Call 24 Hours A Day 1-800-334-7577

For **PRODUCT USE** Information Call 1-800-334-9745

STATEMENT OF PRACTICAL TREATMENT

IF IN EYES: Hold eyelids open and flush with steady, gentle stream of water for 15 minutes. Get medical attention.

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

IF INHALED: Remove victim to fresh air. If not breathing, give artificial respiration, preferable mouth-to-mouth. Get medical attention.

IF SWALLOWED: Call a doctor or get medical attention. Do not induce vomiting. Drink promptly a large quantity of milk, egg whites, gelatin solution or if these are not available, drink large quantities of water. Avoid alcohol.

PRECAUTIONARY STATEMENTS

WARNING

HAZARDS TO HUMANS

Causes substantial but temporary eye injury. Causes skin irritation. Harmful if inhaled or absorbed through skin. Do not get in eyes, on skin or on clothing. Avoid breathing dust.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear coveralls over short-sleeved shirt and short pants, waterproof gloves, a chemical-resistant apron when cleaning equipment, mixing or loading, protective eyewear, chemical resistant headgear for overhead exposure and chemical resistant footwear plus socks. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. 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.

ENGINEERING CONTROLS STATEMENTS:

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 body thoroughly and put on clean clothing.

ENVIRONMENTAL HAZARDS

Do not apply directly to water. Do not contaminate water by cleaning of equipment or disposal of wastes. 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 adsorbed.

ACCEPTED
with COMMENTS
In EPA Letter Dated

JAN 30 1996

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

264-538

BEST COPY AVAILABLE

1 Pound Size

70412

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.
Read entire label before using this product.

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

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Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 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 short-sleeved shirt and short pants, waterproof gloves, protective eyewear, chemical-resistant footwear plus socks and chemical-resistant headgear for overhead exposure.

STORAGE AND DISPOSAL

STORAGE

Do not contaminate water, food or feed by storage or disposal. Do not store in or around the home.

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.

GENERAL INFORMATION

One water soluble packet equals 1 pound of product which is equivalent to 0.5 pounds of active ingredient.

CHIPCO® RONSTAR® 50 WSP is a selective, preemergent herbicide for control of many annual grasses and broadleaf weeds in turf and on a variety of woody ornamental shrubs and trees. CHIPCO® RONSTAR® 50 WSP controls weeds by killing the young weed seedlings as they come in contact with the herbicide during germination.

Apply CHIPCO® RONSTAR® 50 WSP with a properly calibrated sprayer that will apply the spray solution uniformly (uniform application is essential for satisfactory weed control). Calibrate the sprayer prior to use, according to the manufacturer's directions and check daily to be certain that the equipment is working properly.

GENERAL HANDLING INSTRUCTIONS: Each CHIPCO® RONSTAR® 50 WSP water soluble bag comes sealed in a clear plastic outer sleeve. Do not break the seal until the time of use. To use, open the end of the outer sleeve by tearing along the printed solid black line. Do not use a knife or other sharp object to break the seal. Once the outer protective sleeve is open, the water soluble bag inside can be dropped into the spray tank at the appropriate time without touching it.

HANDLING PRECAUTIONS

- Do not allow the empty outer sleeve or the tear-strip to fall into the spray tank as they are not water soluble and may clog the sprayer.
- Do not handle the inner bag with wet gloves as the bag will begin to dissolve on contact with even a small amount of water.
- Do not open the inner bags or attempt to remove the product from them. The water soluble packet is not designed to be re-measured or subdivided.
- The PVA bag should not be opened and partial bag not used for a tankmix.
- The entire contents of the water soluble bag must be used.

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

TURF

For use in dormant, established Bermudagrass, St. Augustinegrass and Zoysia turf such as fairways, parks, golf courses and lawns. CHIPCO® RONSTAR® 50 WSP controls Crabgrass, Goosegrass, Annual Bluegrass, Annual Sedge and Virginia Buttonweed.

CHIPCO® RONSTAR® 50 WSP should be applied at least 2-3 weeks prior to green up. Rake turf area free of leaves, mowing if necessary so the spray solution reaches the soil surface. Measure the area to be treated and uniformly apply the amount required. If rain is not expected shortly after application, sprinkle the turf thoroughly.

PREEMERGENCE WEED CONTROL

WEEDS CONTROLLED	NUMBER OF CHIPCO® RONSTAR® 50 WSP PER ACRE	DIRECTIONS
Crabgrass (<i>Digitaria</i> spp.) Goosegrass (<i>Eleusine indica</i>) Annual Bluegrass (<i>Poa annua</i>) Annual Sedge (<i>Cyperus compressus</i>)	4 - 6	Apply in late winter or early spring prior to weed seed germination and turf greenup. Treatment is effective only against spring germinating <i>Poa annua</i> .
Virginia Buttonweed (<i>Diodia virginiana</i>)	6	Apply in 30 - 150 gallons of water per acre.

ANNUAL WEED CONTROL DURING BERMUDAGRASS ESTABLISHMENT FROM SPRIGS

WEEDS CONTROLLED	NUMBER OF CHIPCO® RONSTAR® 50 WSP PER ACRE	DIRECTIONS
Crabgrass, Goosegrass, and Annual Sedge	4 - 6.	Make application immediately prior to or immediately after sprigging. Disturbance of the soil surface after CHIPCO® RONSTAR® 50 WSP application may disrupt the herbicide barrier and reduce effectiveness. Irrigate immediately after application for best results.

Do not apply RONSTAR® 50 WSP to newly seeded areas. Seeding into treated areas should be delayed until 4 months after treatment. RONSTAR® 50 WSP should not be used on putting greens or tees because of the varying cultural practices used. Apply in 30-150 gallons of water per acre.

ORNAMENTALS AND CONIFER NURSERIES

WOODY ORNAMENTAL SHRUBS, TREES, AND CONIFER NURSERY APPLICATION: Apply CHIPCO® RONSTAR® 50 WSP prior to weed seed germination, as a directed spray to the soil surface or as an over the top spray only on labeled species. CHIPCO® RONSTAR® 50 WSP can be applied to both newly transplanted and established plants. Application can be made to actively growing or dormant plants. However, CHIPCO® RONSTAR® 50 WSP should not be applied during bud break or during the 4 weeks after bud break.

Rainfall or overhead irrigation (one-half inch) immediately after application of CHIPCO® RONSTAR® 50 WSP will improve weed control activity. Rainfall or overhead irrigation immediately after over the top sprays is required to move the CHIPCO® RONSTAR® 50 WSP from the foliage to the soil surface.

CHIPCO® RONSTAR® 50 WSP should not be mixed into the soil. Cultivating or disturbing the soil may reduce the weed control activity of CHIPCO® RONSTAR® 50 WSP. Do not apply in greenhouses as plant injury may result from condensation of CHIPCO® RONSTAR® active ingredient onto leaf surfaces in condensation.

AMOUNT TO USE: Ground Application - Apply CHIPCO® RONSTAR® 50 WSP broadcast, in a minimum of 50 gallons per acre, to ornamentals at 4 to 8 WS packets per acre, depending on the weeds to be controlled, as listed below. Remove existing weed growth before application.

CHIPCO® RONSTAR® 50 WSP at 4 to 8 WS packets per acre is effective in controlling annual grasses and broadleaf weeds such as:

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ANNUAL BROADLEAF WEEDS		ANNUAL GRASSES	
Bittercress	(<i>Cardamine</i> spp.)	Annual Bluegrass	(<i>Poa annua</i>)
Bristly Oxongun	(<i>Picris echioides</i>)	Annual Sedge	(<i>Cyperus compressus</i>)
Carpetweed	(<i>Mollugo verticillata</i>)	*Barnyardgrass	(<i>Echinochloa crus-galli</i>)
Cheeseweed	(<i>Malva parviflora</i>)	Carpetgrass	(<i>Axonopus officinalis</i>)
*Common Groundsel	(<i>Senecio vulgaris</i>)	Crabgrass	(<i>Digitaria</i> spp.)
Common Purslane	(<i>Portulaca oleracea</i>)	Fall Panicum	(<i>Panicum dichotomiflorum</i>)
*Evening Primrose	(<i>Oenothera</i> spp.)	**Goosegrass	(<i>Eleusine indica</i>)
Fiddleneck	(<i>Amsinckia intermedia</i>)	Green Foxtail	(<i>Setaria viridis</i>)
Fireweed	(<i>Epilobium angustifolium</i>)	Ripgut Bromegrass	(<i>Bromus catharticus</i>)
Florida Pusley	(<i>Richardia scabra</i>)	Wild Oats	(<i>Avena fatua</i>)
*Gallinsoga	(<i>Gallinsoga</i> spp.)		
Golden Ragwort	(<i>Senecio aureus</i>)		
Lambquarters	(<i>Chenopodium album</i>)		
**Liverwort	(<i>Marchantia</i> spp.)		
Oxalis	(<i>Oxalis</i> spp.)		
Pennsylvania Smartweed	(<i>Polygonum pennsylvanicum</i>)		
Petty Spurge	(<i>Euphorbia pepus</i>)		
**Prostrate Spurge	(<i>Euphorbia supina</i>)		
Redroot Pigweed	(<i>Amaranthus retroflexus</i>)		
Shepherdspurse	(<i>Capsella bursa-pastoris</i>)		
Speedwell	(<i>Veronica</i> spp.)		
Sow Thistle	(<i>Sonchus oleraceus</i>)		
Spotted Catsear	(<i>Hypochaeris radicata</i>)		
*Swinecress	(<i>Coronopus didymus</i>)		
Yellow Woodchick	(<i>Oxalis stricta</i>)		

*Use 6 to 8 water soluble packets per acre.

**Use 8 water soluble packets per acre per acre.

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PLANT TOLERANCE: CHIPCO® RONSTAR® 50 WSP can be used as directed spray to the soil surface on a wide variety of container and field grown woody ornamental shrubs and trees and on conifers in nurseries. CHIPCO® RONSTAR® 50 WSP may be used as an over the top spray in a minimum of 50 gallons per acre, at the recommended rates, on the following ornamental species only:

SPECIES	VARIETIES
Arborvitae	American - Smaragd, Rheingold Giant - Zebina
Barberry	Japanese
Boxwood	Dazzler
Cedar	Eastern Red
Cranberry	American
Dodonaea	Purpurea
Euonymus	Evergreen - Golden Japanese, Gold Spot
False Cypress	Nootka - Aurea Hinoki - Graciosa, Pyramida Sawara - Aurea Nana
Fir	Douglas, Fraser, Grand, Noble
Hemlock	Canada
Holly	Japanese - Helleri Kurogane Chinese - Parsonsii
Juniper	Common - Berkshire, Effusa Creeping - Blue Chip, Blue Rug, Andorra Singleseed - Blue Star Savin - Buffalo, Tamaracifolia
Oleander	Common
Ophiopogon	
Pine	Eastern White, Mugho, Scotch
Raphiolepis	
Spruce	Blue

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.

LANDSCAPE PLANTINGS: COMMERCIAL, ROADSIDE, & INDUSTRIAL SITES. Apply CHIPCO® RONSTAR® 50 WSP prior to weed seed germination as an over the top spray only on labelled ornamentals.

AMOUNT TO USE: Apply CHIPCO® RONSTAR® 50 WSP broadcast, in a minimum of 50 gallons of water per acre, to established ornamentals at 4 WS paks per acre. Remove existing weed growth before application. Do not apply within 60 days of transplanting. Do not apply with adjuvants or drift control agents. Sprinkle irrigate within 2 hours after application, otherwise crop injury may result.

CROP TOLERANCE: CHIPCO® RONSTAR® 50 WSP may be used as an over the top spray on the following ornamental species only:

SPECIES	VARIETIES
Ice Plant	Large Leaf
Ivy	English, Algerian
Daisy	African Trailing
Periwinkle	Major, Minor

TANK-MIX COMBINATIONS: Ornamental Plantings and Noncropland areas:

Tank-mix combinations of CHIPCO® RONSTAR®/Roundup® are recommended to control existing undesirable vegetation. Applied as a directed spray, CHIPCO® RONSTAR® plus Roundup will provide pre and postemergence control of susceptible species listed on the respective labels of the two herbicides.

MIXING INSTRUCTIONS: CHIPCO® RONSTAR® 50 WSP should be added to the tank and agitated prior to introduction of Roundup. Please refer to Roundup label for information on surfactant use. Only mix the amount of spray needed for immediate application needs as settling can occur if spray mixture is allowed to sit over an extended period of time.

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PRECAUTION: Roundup is not recommended as an over the top spray in ornamentals. Extreme care must be exercised to avoid contact of spray containing Roundup with foliage, stems, green bark, or bare roots of desirable turfgrasses, trees, shrubs, or other desirable vegetation since severe damage or destruction may result. If spraying areas adjacent to desirable plants with Roundup, use a shield made of cardboard, sheet metal, or plywood while spraying to help prevent spray from contacting foliage of desirable plants.

BROADCAST APPLICATION RATES:

CHIPCO® RONSTAR®/ROUNDUP

Existing Annual and Broadleaf Weeds	CHIPCO® RONSTAR® 50 WSP	ROUNDUP
	Number of WS Packets Per Acre	Quarts Per Acre
Less Than 6" Tall	4 - 6	1
Greater Than 6" Tall	4 - 6	1 1/2
Existing Perennial	4 - 6	2 - 5

These rates are intended as general information. Consult rate sections in individual product labels for detailed information on specific weed species controlled and rates of application.

LIMITED WARRANTY AND DISCLAIMER

The manufacturer warrants that this product conforms to the chemical description on the label; that this product is reasonably fit for the purposes set forth in the directions for use when it is used in accordance with such directions; and that the directions, warnings and other statements on this label are based upon responsible experts' evaluation of reasonable tests of effectiveness, of toxicity to laboratory animals and to plants, and of residues, and upon reports of field experience. Tests have not been made on all varieties or in all states or under all conditions. THE MANUFACTURER NEITHER MAKES NOR INTENDS, NOR DOES IT AUTHORIZE ANY AGENT OR REPRESENTATIVE TO MAKE, ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, AND IT EXPRESSLY EXCLUDES AND DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

THIS WARRANTY DOES NOT EXTEND TO, AND THE BUYER SHALL BE SOLELY RESPONSIBLE FOR, ANY AND ALL LOSS OR DAMAGE WHICH RESULTS FROM THE USE OF THIS PRODUCT IN ANY MANNER WHICH IS INCONSISTENT WITH THE LABEL DIRECTIONS, WARNINGS OR CAUTIONS.

BUYER'S EXCLUSIVE REMEDY AND MANUFACTURER'S OR SELLER'S EXCLUSIVE LIABILITY FOR ANY AND ALL CLAIMS, LOSSES, DAMAGES, OR INJURIES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER OR NOT BASED IN CONTRACT, NEGLIGENCE, STRICT LIABILITY IN TORT OR OTHERWISE SHALL BE LIMITED, AT THE MANUFACTURER'S OPTION, TO REPLACEMENT OF, OR THE REPAYMENT OF THE PURCHASE PRICE FOR, THE QUANTITY OF PRODUCT WITH RESPECT TO WHICH DAMAGES ARE CLAIMED. IN NO EVENT SHALL MANUFACTURER OR SELLER BE LIABLE FOR SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

NET CONTENTS: 1 POUND

*Roundup is a registered trademark of Monsanto Agricultural Company.

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CHIPCO® RONSTAR® 50 WSP (PENDING) Submitted 11/30/95, Revised 1/25/96 per EPA verbal request.

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