



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

DEC 10 1993

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P.O. Box 12014
Research Triangle Park, NC 27709

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Subject: Label Amendment Submission of 07/27/93 in Response to PR Notice 93-7
EPA Reg. No. 264-472
CHIPCO RONSTAR 50 WP

IMPORTANT NOTICE: This Letter Requires You to Submit a Notification to the Office of Compliance Monitoring within 20 Days.

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is accepted subject to the comments listed on the enclosed sheet. A copy of your proposed labeling stamped "ACCEPTED WITH COMMENTS" is enclosed.

SERIOUS ERROR(S) ON SUBMITTED LABELING:

EPA has determined that one or more of the errors on the labeling you submitted to the Agency is categorized as "serious" as defined in PR Notice 93-11. In general, serious errors are those that may create a potential for harm to workers, handlers, other persons, or the environment; or those that prevent the achievement of the basic goals of the Worker Protection Standard (WPS) or FIFRA.

YOU MUST NOT SELL OR DISTRIBUTE (INCLUDING RELEASE FOR SHIPMENT) ANY PRODUCT BEARING THE SUBMITTED LABELING. Sale or distribution of any product with the incorrect labeling is a violation of FIFRA that could result in initiation of an action for civil penalties and/or cancellation of your product. This matter has been referred to the Office of Compliance Monitoring (OCM) for further action.

YOU MUST SUBMIT A NOTIFICATION TO THE OFFICE OF COMPLIANCE MONITORING WITHIN 20 DAYS OF THE DATE OF THIS LETTER.



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contains at least 50% recycled fiber

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IN ADDITION, YOU SHOULD CONTACT IMMEDIATELY THE PERSONS TO WHOM YOU SOLD OR DISTRIBUTED YOUR PRODUCT AND INFORM THEM NOT TO SELL OR DISTRIBUTE ANY PRODUCT WITH THE INCORRECT LABELING.

WHAT THIS ACCEPTANCE MEANS:

Based on your certification, the Agency has accepted the labeling changes that are necessary to comply with the WPS labeling requirements of 40 CFR part 156, subpart K, described in PR Notices 93-7 and 93-11. Any other labeling changes submitted in connection with this amendment application but not directly related to compliance with the WPS have neither been reviewed nor accepted by the Agency. If you wish to make such changes, you must submit a separate amendment application proposing them. If your product is currently suspended, the acceptance of this labeling amendment does not affect the suspension in any way.

WHAT YOU NEED TO DO NEXT:

Submit the required notification. Then by the next label printing make all the specified changes to your labeling. Send to EPA one (1) copy of the final printed labeling:

- **BEFORE** selling or distributing any product bearing the final printed labeling as amended

AND

- **WITHIN** one year from date of this acceptance.

Submit the final printed labeling via the U.S. Postal Service to:

Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs (7505C)
U.S. Environmental Protection Agency
401 M Street, SW
Washington, D.C. 20460-0001

CHIPCO® RONSTAR® 50 WP

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)..... 80%

INERT INGREDIENTS:.....

50%

EPA Reg. No. 264-472

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 1-800-334-9745

STATEMENT OF PRACTICAL TREATMENT

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

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

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

PRECAUTIONARY STATEMENTS

WARNING

HAZARDS TO HUMANS

Harmful if swallowed, or absorbed through skin or inhaled. Avoid contact with skin, eyes or clothing. Avoid breathing spray mist. Causes substantial but temporary eye injury.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear clean cotton (or cloth) coveralls that cover all parts of the body except the head, hands and feet. The coveralls must be worn over a short-sleeved shirt and short pants, with clean waterproof gloves, a chemical-resistant apron when cleaning equipment, goggles or face shield, chemical resistant headgear for overhead exposure and chemical resistant shoes, shoe coverings or boots plus socks.

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.

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 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

DEC 10 1993

Under the Federal Insecticide,
Fungicide and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
264-472

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 expectations 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 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, 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

CHIPCO® RONSTAR® 50 WP 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 WP controls weeds by killing the young weed seedlings as they come in contact with the herbicide during germination.

Apply CHIPCO® RONSTAR® 50 WP 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.

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 WP controls Crabgrass, Goosegrass, Annual Bluegrass, Annual Sedge and Virginia Buttonweed.

CHIPCO® RONSTAR® 50 WP 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.

DO NOT USE ON ST. AUGUSTINE GRASS OR ZOYSIA TURF IN CALIFORNIA.

PREEMERGENCE WEED CONTROL

WEEDS CONTROLLED	AMOUNT OF CHIPCO® RONSTAR® 50 WP		DIRECTIONS
	PER ACRE	PER 1000 SQ. FT.	
Crabgrass (<i>Digitaria spp.</i>) Goosegrass (<i>Eleusine indica</i>) Annual Bluegrass (<i>Poa annua</i>) Annual Sedge (<i>Cyperus compressus</i>)	4 - 6 lbs.	1.5 - 2.2 ounces	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 30 - 150 gallons of water per acre or 0.75 - 3.5 gallons of water per 1000 sq. ft.
Virginia Buttonweed (<i>Diodia virginiana</i>)	6 lbs.	2.2 ounces	

ANNUAL WEED CONTROL DURING BERMUDAGRASS ESTABLISHMENT FROM SPRINGS.*

WEEDS CONTROLLED	AMOUNT OF CHIPCO® RONSTAR® 50 WP		DIRECTIONS
	PER ACRE	PER 1000 SQ. FT.	
Crabgrass, Goosegrass, and Annual Sedge	4 - 6 lbs.	1.5 - 2.2 ounces	Make application immediately prior to or immediately after sprigging. Disturbance of the soil surface after CHIPCO® RONSTAR® 50 WP application may disrupt the herbicide barrier and reduce effectiveness. Irrigate immediately after application for best results.

Do not apply RONSTAR® 50 WP to newly seeded areas. Seeding into treated areas should be delayed until 4 months after treatment. RONSTAR® 50 WP should not be used on putting greens or tees because of the varying cultural practices used.

*NOT CURRENTLY REGISTERED FOR USE IN CALIFORNIA.

ORNAMENTALS AND CONIFER NURSERIES*

WOODY ORNAMENTAL SHRUBS, TREES, AND CONIFER NURSERY APPLICATION: Apply CHIPCO® RONSTAR® 50 WP 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 WP can be applied to both newly transplanted and established plants. Application can be made to actively growing or dormant plants. However, CHIPCO® RONSTAR® 50 WP 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 WP will improve weed control activity. Rainfall or overhead irrigation immediately after over the top sprays is required to move the CHIPCO® RONSTAR® 50 WP from the foliage to the soil surface.

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

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

*NOT CURRENTLY REGISTERED IN CALIFORNIA FOR USE IN CONIFER NURSERIES.

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

ANNUAL BROADLEAF WEEDS		ANNUAL GRASSES	
Bittercress	(<i>Cardamine spp.</i>)	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 officinis</i>)
*Common Groundsel	(<i>Senecio vulgaris</i>)	Crabgrass	(<i>Digitaria spp.</i>)
Common Purslane	(<i>Portulaca oleracea</i>)	Fall Panicum	(<i>Panicum dichotomiflorum</i>)
*Evening Primrose	(<i>Oenothera spp.</i>)	**Goosegrass	(<i>Elyusine 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>)
*Galinsoga	(<i>Galinsoga spp.</i>)		
Golden Ragwort	(<i>Senecio aureus</i>)		
Lambsquarters	(<i>Chenopodium album</i>)		
**Liverwort	(<i>Marchantia spp.</i>)		
Oxalis	(<i>Oxalis spp.</i>)		
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 spp.</i>)		
Sow Thistle	(<i>Sonchus oleraceus</i>)		
Spotted Catsear	(<i>Hypochaeris radicata</i>)		
*Swinecress	(<i>Coronopus didymus</i>)		
Yellow Woodsorrel	(<i>Oxalis stricta</i>)		

*Use 6 to 8 pounds of product per acre.

**Use 8 pounds product per acre.

CROP TOLERANCE: CHIPCO® RONSTAR® 50 WP 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 WP 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
A borvitae	American - Smaragd, Rheingold Giant - Zabrina
Barberry	Japanese
Boxwood	Dazzler
Cedar	Eastern Red
Cranberry	American
Dodonea	Purpurea
Euonymus	Evergreen - Golden Japanese, Gold Spot
False Cypress	Nootka - Aurea Hinoki - Graciosa, Pygmaea 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 WP prior to weed seed germination as an over the top spray only on labelled ornamentals.

AMOUNT TO USE: Apply CHIPCO® RONSTAR® 50 WP broadcast, in a minimum of 50 gallons of water per acre, to established ornamentals at 4 pounds of product 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 WP 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 WP 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 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 WP		ROUNDUP	
	Ounces Per 1000 Sq. Ft.	Pounds Per Acre	Ounces Per 1000 Sq. Ft.	Quarts Per Acre
Less Than 6" Tall	1.5-3	4-8	3/4	1
Greater Than 6" Tall	1.5-3	4-8	1 1/8	1 1/2
Existing Perennial	1.5-3	4-8	1 1/2-3	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.

*Roundup is a registered trademark of Monsanto Agricultural Company.

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Research Triangle Park, North Carolina 27709

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CHIPCO RONSTAR 50 WP (PENDING) Submitted ___/___/___.