

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs
Registration Division (H7505C)
401 "M" St., S.W.
Washington, D.C. 20460



EPA Reg. Number:

264-538

Date of Issuance:

NOV 3 1993

Term of Issuance:

Conditional

Name of Pesticide Product:

Chipco Ronstar 50 WSP

NOTICE OF PESTICIDE:

Registration
 Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Rhone-Poulenc Ag Company
P.O. Box 12014
T. W. Alexander Dr.
Research Triangle Park, N.C. 27709

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.

2. Make the following label changes

a. Revise the EPA Registration Number to read, "EPA Reg. No. "264-538.

Signature of Approving Official:

Date:

NOV 3 1993

EPA Form 8570-6

CONCURRENCES

SYMBOL	7505C						
SURNAME	[Signature]						
DATE	11/2/93						

297

3. Make the following changes in regard to the Confidential Statement of Formula (CSF):

- a. The source product has been transferred and given a number that is different from the one listed on your Confidential Statement of Formula (CSF). The new registration number is 264-450.
- b. Enter the total weight of 100 pounds in column 17 of the CSF.

Submit two copies of the revised final printed label for the record.

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

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

Sincerely yours,

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

Enclosure

264-538
397

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-XXX

EPA Est.

KEEP OUT OF REACH OF CHILDREN WARNING

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.

ACCEPTED
with COMMENTS
in EPA Letter Dated

NOV 3 1993

PRECAUTIONARY STATEMENTS

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

264-538

WARNING

HAZARDS TO HUMANS

Harmful if inhaled or absorbed through skin. Avoid contact with skin, eyes or clothing. Avoid breathing dust. Causes substantial but temporary eye injury. Wear protective clothing including long sleeved shirt, gloves and goggles or face shield when handling material. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

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.

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.

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 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

BEST AVAILABLE COPY

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	AMOUNT OF CHIPCO® RONSTAR® 50 WSP			DIRECTIONS
	PER ACRE	WS PACKETS 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.	4 - 6	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.	6	2.2 ounces	

ANNUAL WEED CONTROL DURING BERMUDAGRASS ESTABLISHMENT FROM SPRIGS

WEEDS CONTROLLED	AMOUNT OF CHIPCO® RONSTAR® 50 WSP			DIRECTIONS
	PER ACRE	WS PACKETS PER ACRE	PER 1000 SQ. FT.	
Crabgrass, Goosegrass, and Annual Sedge	4 - 6 lbs.	4 - 6	1.5 - 2.2 ounces	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.

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 codistillation 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 pounds of product (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 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 offinis</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>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 scabia</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 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 - Zebrina
Barberry	Japanese
Boxwood	Dazzler
Cedar	Eastern Red
Cranberry	American
Dodonaea	Purpurea
Euonymus	Evergreen - Golden Japanese, Gold Spot
False Cypress	Nootka - Aurea P. ioki - 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 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 pounds of product (4 WS packets) 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
Pertwinkle	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 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 plyboard 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	
	Ounces Per 1000 Sq. Ft.	Pounds Per Acre	WS Packets Per Acre	Ounces Per 1000 Sq. Ft.	Quarts Per Acre
Less Than 6" Tall	1.5 - 3 ✓	4 - 8 ✓	4 - 8	3/4 ✓	1 ✓
Greater Than 6" Tall	1.5 - 3 ✓	4 - 8 ✓	4 - 8	1 1/8 ✓	1 1/2 ✓
Existing Perennial	1.5 - 3 ✓	4 - 8 ✓	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.

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.
©1991 Rhône-Poulenc Ag Company

CHIPCO® RONSTAR® 50 WSP (PENDING) Submitted 5/26/93.

BEST AVAILABLE COPY