

432-893

9-6-2002

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

Mr. Richard M. Gorrell
Manager, Registration
Aventis Environmental Science USA, LP
95 Chestnut Ridge Road
Montvale, NJ 07645

SEP - 6 2002

Dear Mr. Gorrell:

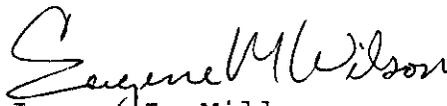
Subject: RONSTAR® 50 WSP
Registration Number 432-893
Applications and Letters Dated June 24, 2002, Request
To Amend Registration of the 1 lb Packaged Product, and
the 1.5 oz. Packaged Product (Unacceptable by
Notification, see Agency's Letter Dated July 31, 2002);
Resubmission Application Dated August 21, 2002 and Your
Letter Dated June 24, 2002 but Received August 22, 2002
with Revised Tank-Mix Combination Section of the
Proposed Labeling

The subject resubmission application to amend the labeling
of RONSTAR® 50 WSP to allow tank-mix combinations in Ornamental
Plantings and Noncropland areas has been reviewed and found as an
acceptable amendment to the subject pesticide product
registration under the Federal Insecticide, Fungicide and
Rodenticide Act (FIFRA) as amended provided that you:

- o Submit one (1) copy of the final printed label prior to
Your shipment of this pesticide product under the enclosed
Revised stamped label.

If this condition is not complied with, the registration
will be subject to cancellation in accordance with FIFRA, section
6(e). Your release for shipment under this labeling constitutes
acceptance of this condition. A stamped copy of the label is
enclosed for your records.

Sincerely yours,

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

Enclosure

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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. 432-893	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

FIRST AID

If swallowed:	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told t by a poison control center or doctor.
If in eyes:	<ul style="list-style-type: none"> • Hold eyes open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. • Call a poison control center or doctor for treatment advice.
If on skin:	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
If inhaled:	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. • Call a poison control center or doctor for further treatment advice.

Have the product container or label with you when calling a poison control center or doctor or going for treatment.

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, or to areas where surface water is present or to intertidal areas below the mean high water mark. 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 absorbed.

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 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.

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

Apply 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 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.

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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. RONSTAR® 50 WSP controls Crabgrass, Goosegrass, Annual Bluegrass, Annual Sedge and Virginia Buttonweed.

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.

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

Hawaii recommendation only: RONSTAR® 50 WSP may be applied to newly sprigged Zoysiagrass being grown for sod. Insure the spray reaches the soil surface and if rain is not expected shortly after application, irrigate the turf thoroughly.

PREEMERGENCE WEED CONTROL

WEEDS CONTROLLED	NUMBER OF RONSTAR® 50 WSP PER ACRE	DIRECTIONS
Crabgrass (<i>Digitaria spp.</i>) 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.

* Not currently registered in California.

ANNUAL WEED CONTROL DURING BERMUDAGRASS ESTABLISHMENT FROM SPRIGS*

WEEDS CONTROLLED	NUMBER OF 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 ® 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.

*Not currently registered in California.

ORNAMENTALS AND CONIFER NURSERIES

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

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

AMOUNT TO USE: Ground Application - Apply 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.

RONSTAR® 50 WSP at 4 to 8 WS packets 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†
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>Axonopris officinis</i>)
*Common Groundsel	Crabgrass (<i>Digitaria spp.</i>)
Common Purslane	Fall Panicum (<i>Panicum dichotomiflorum</i>)
*Evening Primrose	**Goosegrass (<i>Eleusine indica</i>)
Fiddleneck† (<i>Amsinckia intermedia</i>)	Green Foxtail (<i>Setaria viridis</i>)
Fireweed† (<i>Epilobium angustifolium</i>)	Ripgut Bromegrass†
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	
Petty Spurge (<i>Euphorbia pepus</i>)	
**Prostrate Spurge	
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	

*Use 6 to 8 water-soluble packets per acre.

**Use 8 water-soluble packets per acre.

† Not currently registered in California for use on Bristly Oxtongue, Cheeseweed, Fiddleneck, Fireweed, Shepherdspurse, Sow Thistle, Annual Bluegrass, Annual Sedge, Ripgut Bromegrass, and Wild Oats.

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PLANT TOLERANCE: 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. 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
Baby's Breath	<i>Gypsophila paniculata</i>
Barberry	Japanese
Boxwood	Dazzler
Cedar	Eastern Red
Cranberry	American
Dodonaea	Purpurea
Euonymus	Evergreen - Golden Japanese, Gold Spot
False Cypress	Nootka - Aurea Hinoki - Graciosa, Pygmaea Sawara - Aurea Nana
Fir*	Douglas, Fraser, Grand, Noble
Gladiolas	
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
Statice	<i>Limonium spp.</i>

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.

* Not currently registered for use on Fir, Hemlock, and Blue Spruce in California.

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

AMOUNT TO USE: Apply 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: 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 RONSTAR® plus a non-selective herbicide such as FINALE® are recommended to control existing undesirable vegetation. Applied as a directed spray, RONSTAR® plus a non-selective herbicide such as FINALE® will provide pre and postemergence control of susceptible species listed on the respective labels of the two herbicides.

A compatibility test must be conducted with any potential tank mix partner with Ronstar® WSP Herbicide. Using a clear glass quart jar, conduct the test as described below.

1. Fill the jar three-quarters full with water
2. Add the appropriate amount of herbicide in the following order: (a) dry flowable, (b) wettable powder, (c) aqueous suspensions, (d) flowables, (e) liquids and (f) solutions and emulsifiable or liquid concentrates. Shake or gently stir jar after each addition to thoroughly mix.
3. After adding all ingredients, let the mixture stand for 15 minutes and then look for separation, large flakes, precipitates, gels, and heavy oily film on the jar or other signs of incompatibility.
4. If the compatibility test shows signs of incompatibility, do not tank mix the product tested with Ronstar® WSP Herbicide.

MIXING INSTRUCTIONS: RONSTAR® 50 WSP should be added to the tank and agitated prior to introduction of a non-selective herbicide such as FINALE®. Please refer to the non-selective herbicide label for information on surfactant and spray volume to 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: Non-selective herbicides such as FINALE® are not recommended as an over the top spray in ornamentals. Extreme care must be exercised to avoid contact of spray containing a non-selective herbicide 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 a non-selective herbicide, 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:

RONSTAR®/FINALE®

Existing Annual and Broadleaf Weeds	RONSTAR® 50 WSP	FINALE®
	Number of WS Packets Per Acre	Quarts Per Acre
Less Than 6" Tall	4 - 8	3
Greater Than 6" Tall	4 - 8	4
Existing Perennial	4 - 8	4 - 6

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.

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IMPORTANT: READ BEFORE USE

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

CONDITIONS: The directions for use of this product are believed to be adequate and should be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Aventis CropScience. All such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: AVENTIS CROPSCIENCE MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of Aventis CropScience is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. Aventis CropScience disclaims any liability whatsoever for special, incidental or consequential damages resulting from the use or handling of this product.

LIMITATIONS OF LIABILITY: THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT AVENTIS CROPSCIENCE'S ELECTION, THE REPLACEMENT OF PRODUCT

NET CONTENTS: 1 POUND

Aventis Environmental Science
95 Chestnut Ridge Road
Montvale, NJ 07645

RONSTAR and FINALE are registered trademarks of Aventis Environmental Science.

RONSTAR® 50 WSP 1lb; revised (6-24-02) 8-21-02.

**ACCEPTED
with COMMENTS
In EPA Letter Dated**

SEP - 6 2002

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

432-893

