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Ronstar[®]**Flo**

Herbicide

Preemergence Herbicide for the Control of Annual Grasses and Broadleaf Weeds In Turf and Ornamentals Including Landscape Ornamental Beds on Residential Properties by a Professional Applicator.

For sale to and use by Professional Applicators only. Not for sale to or use by homeowners/consumers. Not for Use in Turfgrass on Residential Properties. FOR SALE TO, USE AND STORAGE BY COMMERCIAL NURSERY, TURF AND LANDSCAPE PERSONNEL ONLY. NOT FOR USE ON HOME LAWNS

ACTIVE INGREDIENT:

This product contains 3.17 lb ai/gallon. EPA Reg. No. 432-1465

KEEP OUT OF REACH OF CHILDREN CAUTION

For <u>MEDICAL</u> And <u>TRANSPORTATION</u> Emergencies <u>ONLY</u> Call 24 Hours A Day 1-800-334-7577 For <u>PRODUCT</u> <u>USE</u> Information Call 1-800-331-2867



Produced for: Bayer Environmental Science A Division of Bayer CropScience LP

2 T. W. Alexander Drive Research Triangle Park, NC 27709 Product of Germany



Net Contents 2.5 Gallons 79245432 79205074D 070917C

FIRST AID

lf swallowed:	 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 to do so by a poison control center or doctor.
If in eyes:	 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 or clothing:	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:	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

HAZARDS TO HUMANS

HACANDS 10 Flowmans CAUTION Harmful if swallowed or absorbed through the skin. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling.

and water and nationing. PERSONAL PROTECTIVE EQUIPMENT (PPE) Some materials that are chemical-resistant to this product are barrier laminate, butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, and neoprene rubber ≥ 14 mils. If you want more options, follow the instructions for category C on an EPA chemical-resistance category selection chart. Mixers, loaders, applicators and other handlers must wear: Long-seleved shirt and long parts, Shoes plus socks, and Chemical resistant gloves such as barrier laminate, butyl rubber, nitrile or neoprene gloves. In addition, mixers and loaders must wear a chemical-resistant apron. See engineering con-trole for additional requirements.

trols for additional requirements Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, 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

User Safety Recommendations
Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Users should remove clothing/PPE immediately if
pesticide gets inside. Then wash thoroughly and put on clean clothing. Users should remove PPE immediately after handling this product. Wash the
outside of gloves before removing. As soon as possible wash thoroughly and change into clean clothing.

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 when cleaning equipment or disposing of equipment washwaters. RONSTAR* FLO HERBICDE should not be used in areas where irrigation or rain-fail 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

AGRICULTURAL USE REQUIREMENTS Use this product only in accordance with its baleling 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 require-ments for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptors passitance is that so contains specific instructions and exceptors paratining to the statements on this label about personal protective equipment (PFE) 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 (RE) of 12 hours. PFE required for early entry to treated areas during the restricted entry interval (RE) of 12 hours. PFE required for early entry to treated areas during the restricted entry interval (RE) of 12 hours.

NON-AGRICULTURAL USE REQUIREMENTS The requirements in this box apply to uses of this product that are not within the scope of the Worker Protection Standard (WPS) for agricultural pes-ticides 40 CFR Part 170. The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses. D on tail low people or pets to enter treated areas until sprays have dried.

STORAGE AND DISPOSAL Do not contaminate water, food or feed by storage or

PESTICIDE STORAGE

Do not store in or around the home PESTICIDE DISPOSAL

Iting from the use of this product may be disposed of on site or at an approved waste disposal facility

CONTAINER DISPOSAL

CONTINNER DISPOSAL Non-refiliable container. Do not reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying). Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container Y full with water and recap. Shake for 10 seconds. Pour rinsteal into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Offer for regoing, if available or reconditioning or upnuture and disposed of 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

RONSTAR FLO HERBICIDE 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 FLO HERBICIDE controls weeds by killing the young weed seedlings as they come in contact with the herbicide during germination.

herbicide during germination. Apply RONSTAR LO HERBICIDE with a properly calibrated sprayer that will apply the spray solution uniformly (uniform application is essential for sat-isfactory 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, SL Augustinegrass' and Zoysia turf' such as fairways, parks, golf courses and lawns. RONSTAR FLO HERBICIDE controls Crabgrass, Goosegrass, Annual Bluegrass, Annual Sedge and Virginia Buttonweed. RONSTAR FLO HERBICIDE 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 appli-cation, irrigate the turf thoroughly.

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

Hawaii recommendation only: RONSTAR FLO HERBICODE 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. 2

PREEMERGENCE WEED CONTROL

WE	EDS CONTROLLED	HERBICIDE FL OZ PER 1000 sq. ft.	DIRECTIONS
Goosegra Annual Bl	s (<i>Digitaria</i> spp.) ss (<i>Eleusine indica</i>) uegrass (<i>Poa annua</i>)* edge (<i>Cyperus compressus</i>)*	1.85-2.8	Apply in late winter or early spring prior to weed seed germina- tion and turf greenup. Treatment is effective only against spring germinating Poa annua. A subsequent application can be made 4 months after the previous treatment. Apply in 0.75 – 35 sqallons of water per 1000 sg. ft.
Virginia B	uttonweed (Diodia virginiana)	2.8	······································

*Not currently registered in California.

ANNUAL WEED CONTROL DURING BERMUDAGRASS ESTABLISHMENT FROM SPRIGS*

WEEDS CONTROLLED	RONSTAR FLO HERBICIDE FL OZ PER 1000 sq. ft.	DIRECTIONS
Crabgrass, Goosegrass, and Annual Sedge	1.85	Make application immediately prior to or immediately after sprig- ging. Disturbance of the soil surface after RONSTAR FLO HERBI- CIDE application may disrupt the herbicide barrier and reduce effec- tiveness. Irrigate immediately after application for best results.

Do not apply RONSTAR FLO HERBICIDE to newly seeded areas. Seeding into treated areas should be delayed until 4 months after treatment. RONSTAR FLO HERBICIDE 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

FLO HEBRICIDE should not be used on putuing greens or necessary of the second of the s

ORNAMENTALS AND CONIFER NURSERIES WOODY ORNAMENTAL SHRUBS AND TREES, CONIFER NURSERY AND ORNAMENTALS ON RESIDENTIAL PROPERTIES: Must be applied by Professional Applicators only. Apply RONSTAR FLO HERBICIDE prior to weed seed germination, as a directed spray to the soil surface or as an over the top spray on tolerant ornamentals used as ground cover listed on this label. RONSTAR FLO HERBICIDE can be applied to both newly transplanted and established plants. Application can be made to actively growing or dormant plants. However, RONSTAR FLO HERBICIDE should not be applied during bud break or during the 4 weeks after bud break. Rainfall or overhead irrigation (one-haf inch) immediately after application of RONSTAR FLO HERBICIDE will improve weed control activity, Rainfall or overhead irrigation immediately after over the top sprays is required to move the RONSTAR FLO HERBICIDE will uprove weed control activity of RONSTAR FLO HERBICIDE. Bonuld not be mixed into the soil. Cultivating or disturbing the soil may reduce the weed control activity of RONSTAR FLO HERBICIDE. Bonuld not be mixed into the soil. Cultivating or disturbing the soil may reduce the weed control activity of RONSTAR FLO HERBICIDE benuit on the applied to move the RONSTAR FLO HERBICIDE active ingredient onto leaf sur-faces in condensation.

faces in condensation. **AMOUNT TO USE:** Ground Application – Apply RONSTAR FLO HERBICIDE broadcast, in a minimum of 1 gallon of water per 1000 sq. ft., to ornamen-tals at 1.85 to 2.8 fl oz of product per 1000 sq. ft., depending on the weeds to be controlled, as listed below. Remove existing weed growth before application. The maximum number of applications is 2 per year. A subsequent application can be made 4 months after previous treatment. For over the top sprays, imgate within 2 hours after application, otherwise injury to the ornamentals may result. **ORNAMENTALS IN RESIDENTAL PROPERTIES:** RONSTAR FLO HERBICIDE may be applied to landscape beds consisting of well defined areas of

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solid or mixed stands of trees, shrubs, and ground covers located around buildings as well as in open areas of the residential property. Carefully mea-sure the area of each bed to be treated to insure an accurate application rate. Restrictions:

 Do not apply in greenhouses as plant injury may result from co-distillation of RONSTAR FLO HERBICIDE active ingredient onto leaf surfaces in condensate.

densate. D on ot mechanically mix RONSTAR FLO HERBICIDE into the soil. D on to permit people or pets to enter the treated area until after the directed spray application of RONSTAR FLO HERBICIDE is watered in and the soil surface is dry.

Bo not germit people of pets to entire the tenedual and unit after the unextee approvements of retreast the entire tenedual and after the unextee approvements of retreast to the entire tenedual and after the unextee approvement of retreast to the entire tenedual and after the unextee approvement of retreast to the entire tenedual and after tenedual and tenedual and after

RONSTAR FLO HERBICIDE at 1.85 to 2.8 fl oz per 1000 so, ft, is effective in controlling annual grasses and broadleaf weeds such as:

	ANNUAL BR	OADLEAF WEEDS	
Bittercress Bristly Oxtongue† Carpetweed Chesseweed† Common Grundsel Common Furslane *Evening Primrose Fiddeneck† Fireweed† Florida Pusley *Galinsoga Golden Ragwort Lambsquarters	(Cardamine spp.) (Picris echioides) (Mollugo verticillata) (Malva parvitlora) (Senecio vulgaris) (Portulaca oleracea) (Denothera spp.) (Amsinckia intermedia) (Epilobium angustifolium) (Richardia scabia) (Galinsoga spp.) (Senecio aureus) (Chenopodium album)	*Liverwort Oxalis Pennsylvania Smartweed Petty Spurge Prostrate Spurge Redroot Pigweed ShepherdSpurse† Spectwell Sont Thistle† Spotted Catsear *Swimecress Yellow Woodsorrel	(Marchantia spp.) (Dcalis spp.) (Polygonum pensylvanicum) (Euphorbia supina) (Amaranthus retroflexus) (Amaranthus retroflexus) (Amaranthus retroflexus) (Veronica spp.) (Sonchus oleraceus) (Vypochaeris radicata) (Coronopus didymus) (Dcalis stricta)
	ANNUA	L GRASSES	
Annual Bluegrass† Annual Sedge† *Barnyardgrass Carpetgrass Crabgrass	(Poa annua) (Cyprus compressus) (Echinochloa crus-galli) (Axonopris offinis) (Digitaria spp.)	Fall Panicum *Goosegrass Green Foxtail Ripgut Bromegrass† Wild Oats†	(Panicum dichotomiflorum) (Eleusine indica) (Setaria viridis) (Bromus catharticus) (Avena fatua)

Use 2.8 fl oz of product per 1000 sq. fl.
 Vot 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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A comparison test mice of conducted with any potential tank mix partiell with non-trian FLD HERGIOLE. 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) liq-uids and (f) solutions and emulsifiable or liquid concentrates. Shake or gently stir jar after each addition to throughly mix. 3. After adding all ingredients, gelts, gelts, and for 15 minutes and then look for separation, larger fakes, precipitates, gelts, 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 FLO HERBICIDE. MIXING INSTRUCTIONS: RONSTAR FLO HERBICIDE should be added to the tank and agitated prior to introduction of a non-selective herbicide label for information on surfactant and spray volume to use. Only mix the amount of spray need-ed for immediate application needs as setting can occur if spray mixture is allowed to sit over an extended period of time. PRECAUTION: Non-selective herbicides such as a nover-th-top spray in ornamentals. Extreme care must be exer-cised to avoid contact of spray containing a non-selective herbicide with foliage, stems, green bark, or barr orbit desirable turfgrasses, trees, shrubs, or other desirable vegetation site was end amound or while spraying areas adjacent to desirable turfgrasses, trees, shrubs, or other desirable vegetation site and end or desirable plants.

Purple Hopseed Bush, And Scotch Pine, Raphiolepis, Blue Spruce*, Statice

PLANT TOLERANCE: RONSTAR FLO HERBICIDE can be used as directed spray to the soil surface on a wide variety of container and field grown woody ornamental shrubs, trees, confires, and herbaceous plants in nurseries. RONSTAR FLO HERBICIDE may be used as an over the top spray in a minimum of 1 galion of water per 1000 sq. if, a the recommended rates, on the following ornamental species only: Arbornitae, Japanese Barterry, Bowyok, Baby's Breath, Eastern Red Cedar, Cranberry, Hinoki Oppress, Notta Spound Oppress, Sawara Oppress, Evergreen Euroymus, Douglas Frr, Fraser Firr, Grand Firr, Nobel Fr, Glabulas, Canadian Hermick?, Othinse Holly, Japanese Holly, Kurogane Holly, Korbornitae, Japanese Bartery, Bowyok, Bartery, Barter, Barter Red Cedar, Cranberry, Hinoki Oppress, Nothers Holly, Japanese Holly, Kurogane Holly, Kore Streament Specific and Firr, Nobel Streament, Barter Red Cedar, Canaberry, Hinoki Oppress, Nothers Holly, Japanese Holly, Kurogane Holly, Kore Streament, Specific and Firr, Kole Streament, Barter Red Cedar, Canaberry, Hinoki Oppress, Nothers Holly, Japanese Holly, Kurogane Holly, Kore Streament, Specific and Firr, Nobel Streament, Barter Red Cedar, Canaberry, Hinoki Oppress, Nother Streament, Barter, Barter, Hongen Holly, Kurogane Holly, H

Socien Hine, happinolepis, blue Sprucer, stated 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, Hemicok, and Blue Spruce in California. LANDSCAPE PLANTINGS: COMMERCIAL, ROADSIDE, & INDUSTRIAL SITES. Apply RONSTAR FLO HERBICIDE prior to weed seed germination as an

LANDSCAPE PLANTINGS: COMMERCIAL, ROADSIDE, & INDUSTRIAL SITES. Apply RONSTAR FLO HERBICIDE prior to weed seed germination as an over-the-top syray only on labeled ormamentals. AMOUNT TO USE: Apply RONSTAR FLO HERBICIDE broadcast, in a minimum of 1 galion of water per 1000 sq. ft. th, to established ormamentals at 1.85 for 2 of product per 1000 sq. ft. Remove existing weed growth before application. Do not apply within 60 days of transplanting. Do not apply within 80 days of transplanting. Do not apply with adju-vants or drift control agents. Sprinkle irrigate within 2 hours after application, otherwise crop injury may result. CROP TOLERANCE: RONSTAR FLO HERBICIDE pays an one-selective herbicide such as FINALE® are recommended to control existing undesirable vegetation. Applied as a directed spray, RONSTAR FLO HERBICIDE 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 list must be conducted with any potential tank mix partner with RONSTAR FLO HERBICIDE. Using a clear glass quart jar, conduct the test as described below.

rra Juniper, Blue Rug Juniper, Common Juniper, Creeping Juniper, Oleander, Ophiopogon, Eastern White Pine, Mugho Pine,

BROADCAST APPLICATION RATES:

RONSTAR FLO HERBICIDE/FINALE						
Existing Annual and Broadleaf Weeds	RONSTAR FLO HERBICIDE Fluid Ounces Per 1000 sq. ft.	FINALE Fluid Ounces Per 1000 sq. ft.				
Less Than 6" Tall	1.85-2.8	2.2				
Greater Than 6" Tall	1.85-2.8	2.9				
Existing Perennial	1.85-2.8	2.9-4.4				

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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. The maximum single application rate is 3.7 II. oz. per 1000 sq. ft. and no more than 2 applications per year. The maximum amount of product allowed per year is 5.55 fl. oz of product per 1000 sq. ft. (1.89 gallons of product per acce per year) (equivalent to 6 pounds ai/Ayear), except in areas where there is heavy weed infestation. In areas of heavy weed infestation, the maximum amount of product allowed per year is 7.4 ft. oz of product per 1000 sq. ft. (2.52 gallons of product per acce per year) (equivalent to 8 pounds ai/Ayear). For best results, water-in product a soon as practical after application. f product

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 accept-able, 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. Crop injury, Infefetiveness or other unintended consequences may result because of user and all risks associated with the use of this product. Crop injury, Infefetiveness or other unintended consequences may result because of user at all risks associated with the use of this product. Crop injury, Infefetiveness or other unintended consequences may result because of user. I. All such risks shall be assumed by the user or buyer. DISCLAIMER OF WARRANTIES: TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BAYER CROPSCENCE LP MAKES NO OTHER WARRANTES, MADE ON THIS LABEL. No agent of Bayer CropScience UP is authorized to make any warranties beyond the control of Bayer CropScience DE SPRESS OR INVELS, OF MERCHANTABILITY OR OF FINESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of Bayer CropScience UP is authorized to make any warranties beyond these contained herein or to modify the war-ranties contained herein. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BAYER CROPSCENCE UP LOSIAMS AWI LUBAILTY WHATSOEVER FOR SPECIAL, INCIDENTAL, OR CONSEQUENTIAL, DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. INITIATIONS OF LABILITY TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, MAY THE EXCLUSE UP LOSIAMS AWI LUBAILTY WHATSOEVER FOR SPECIAL, INCIDENTAL, OR CONSEQUENTIAL, DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. INITIATIONS OF LABILITY TO THE EXTENT CONSISTENT WITH APPLICABLE LAW MAY THE EXCLUSE UP AND ADD THIS PRODUCT. INITIATIONS ON DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, MEG-LIGENCE,

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