

GROUP 14 HERBICIDE

RONSTAR 2G

SELECTIVE, PRE-EMERGENCE HERBICIDE

GRANULAR

FOR CONTROL OF CERTAIN ANNUAL BROADLEAF AND GRASS WEEDS
IN WOODY ORNAMENTAL SHRUBS, VINES AND TREES
GROWN IN CONTAINERS.

COMMERCIAL



CAUTION

POISON

READ THE LABEL **AND ATTACHED BROCHURE** BEFORE USING

GUARANTEE: OXADIAZON 2%

REGISTRATION NO. 23600
PEST CONTROL PRODUCTS ACT

Bayer CropScience Inc.*
Suite 200, 160 Quarry Park Blvd. SE
Calgary, AB T2C 3C3
Phone: 1-888-238-6747

***Bayer Environmental Science**
A Business Group of Bayer CropScience
In case of spills, poisoning or fire, telephone emergency response number
1-800-334-7577 (24 hours a day)

NET CONTENTS: 22.7 KG

GENERAL INFORMATION:

RONSTAR 2G **Selective, Pre-Emergence Herbicide** is a selective, pre-emergence herbicide for control of certain annual broadleaf and grass weeds in woody ornamental shrubs, and trees grown in containers. RONSTAR 2G **Selective, Pre-Emergence Herbicide** controls weeds by killing the young weed seedlings as they come in contact with the herbicide during germination.

Ensure RONSTAR 2G **Selective, Pre-Emergence Herbicide** granules are distributed uniformly in the container (uniform application is essential for satisfactory weed control). Calibrate the applicator prior to use, according to the manufacturer's directions, and check frequently during the application to be certain that the equipment is working properly.

DIRECTIONS FOR USE:

For use on ornamentals grown in containers only. **DO NOT APPLY BY AIR. Not to be used on plants grown in the field.**

USE PRECAUTIONS:

RONSTAR 2G **Selective, Pre-Emergence Herbicide** will not work effectively under dry soil conditions and weeds emerging during this time may not be controlled. Prostrate plants, ivys, creepers or vines lying directly on the soil surface may be damaged by splashing of product onto leaves from rain or irrigation.

PRECAUTIONS:

KEEP OUT OF REACH OF CHILDREN.

Wear protective gloves and coveralls at all times when handling the product.

Avoid contact with skin, eyes and clothing.

Store the container tightly closed away from seeds, fertilizer, plants and foodstuffs.

Wash dust from skin or eyes immediately. Harmful if swallowed.

Avoid breathing dust.

After use wash hands and other exposed skin.

This pesticide is toxic to fish. Avoid contamination of ponds, streams, rivers and other water sources.

If this pest control product is to be used on a commodity that may be exported to the U.S. and you require information on acceptable residue levels in the U.S., **visit CropLife Canada's web site at: www.croplife.ca.**

This product contains a petroleum distillate which is moderately to highly toxic to aquatic organisms. Avoid contamination of aquatic systems during application. Do not contaminate these systems through direct application, disposal of waste or cleaning equipment.

FIRST AID:

If swallowed: Call a poison control centre or doctor immediately for treatment advice. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give **any** liquid to the person. Do not give anything by mouth to an unconscious person.

If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre 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 by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice.

If in eyes: Hold eye 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 eye. Call a poison control centre or doctor for treatment advice.

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

TOXICOLOGICAL INFORMATION: Medical personnel should contact Bayer CropScience's medical information services toll-free 1-800-334-7577. This product contains **PETROLEUM DISTILLATES**. Vomiting may cause aspiration pneumonia. Treat symptomatically.

STORAGE: May be stored at any temperature.

CONTAINER DISPOSAL:

1. Empty bag.
2. Follow provincial instructions for any required additional cleaning of the bag prior to its disposal.
3. Make the empty bag unsuitable for further use.
4. Dispose of the bag in accordance with provincial requirements.

DISPOSAL OF UNUSED, UNWANTED PRODUCT:

For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for cleanup of spills.

NOTICE TO USER:

This pest control product is to be used only in accordance with the directions on this label. It is an offence under the *Pest Control Products Act* to use this product in a way that is inconsistent with the directions on the label. The user assumes the risk to persons or property that arises from any such use of this product.

Ronstar is a registered trademark of Bayer

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TIMING:

Apply RONSTAR 2G **Selective, Pre-Emergence Herbicide** anytime during the year, prior to weed seed germination. RONSTAR 2G **Selective, Pre-Emergence Herbicide** can be applied to both newly transplanted and established ornamentals and trees. Application can be made to actively growing or dormant ornamentals and trees. Rainfall or overhead irrigation after application of RONSTAR 2G **Selective, Pre-Emergence Herbicide** will improve weed control activity of RONSTAR 2G **Selective, Pre-Emergence Herbicide**. Do NOT apply to wet foliage or under conditions in which granules will collect on leaves.

APPLICATION RATE:

Remove existing weed growth before application.

For extended weed control, a second application of RONSTAR 2G **Selective, Pre-Emergence Herbicide** may be needed 60 to 120 days after the previous application.

Use 10 - 22.5 g of product /m² of pot surface area.

Examples of rates of product to use per pot based on standard pot sizes:

Pot Size (diameter) <u>(centimetres)</u>	<u>Rate (g of Product/Pot)</u>
25	0.5 - 1.2
31	0.7 - 1.6
46	1.6 - 3.7
61	2.9 - 6.6

To calculate the amount of product to use per pot for pot sizes not listed here, use the following equation to determine the area of the pot (m²):

$3.14 \times r^2$ (where r = 1/2 of the diameter of the pot: i.e. radius in metres).

Calculate the amount of product to use based on a rate of 10 - 22.5 g/m².

WEEDS CONTROLLED:

Annual Broadleaf Weeds

Stinkweed
Bittercress
Common groundsel
Lamb's-quarters
Purslane
Black nightshade
Pigweed* (redroot, tumble)
Shepherd's purse

* at 22.5 g product/m²

Annual Grass Weeds

Annual bluegrass
Barnyard grass*
Green foxtail
Yellow foxtail
Crabgrass

CROP TOLERANCE:

RONSTAR 2G may be used at the recommended rates on the following ornamental species:

Cherry (Nanking)	Lilac
Currant (Alpine)	Maple (Vine)
Dogwood	Pine (Mugo, Scotch)
Elder (Golden)	Potentilla
Euonymous (Emerald, Gold)	Spruce (Colorado, Serbian)
Juniper	

NOTE: The following plant varieties have been found to be sensitive to RONSTAR 2G:

Plant Species

Andromeda
Azalea

Cotoneaster
Crapemyrtle
Heath, Spring
Hemlock, Canada

Varieties

Snowdrift, Temple bell
Pink champagne, Hershey,
Leuchtenfuer, Memoire John Hearrens, Himo-
Crimson, White grandeur, Everest, Girard Roberta
Eichholz, Himalayan, Shangri-la
Petite red imp, Seminole bush
Mediterranea pink
Pendula

Hibiscus
Rhododendron
Spruce, Norway
Spruce, White
Viburnum

Red heart
Daphnoides, Nova, Zambla
Primula
Densena
Davidii

HERBICIDE RESISTANCE MANAGEMENT:

For resistance management, RONSTAR 2G **Selective, Pre-Emergence Herbicide** is a Group 14 herbicide. Any weed population may contain or develop plants naturally resistant to RONSTAR 2G **Selective, Pre-Emergence Herbicide** and other Group 14 herbicides. The resistant biotypes may dominate the weed population if these herbicides are used repeatedly in the same field. Other resistance mechanisms that are not linked to site of action, but specific for individual chemicals, such as enhanced metabolism, may also exist. Appropriate resistance-management strategies should be followed.

To delay herbicide resistance:

- Where possible, rotate the use of RONSTAR 2G **Selective, Pre-Emergence Herbicide** or other Group 14 herbicides with different herbicide groups that control the same weeds in a field.
- Use tank mixtures with herbicides from a different group when such use is permitted.
- Herbicide use should be based on an IPM program that includes scouting, historical information related to herbicide use and crop rotation, and considers tillage (or other mechanical), cultural, biological and other chemical control practices.
- Monitor treated weed populations for resistance development.
- Prevent movement of resistant weed seeds to other fields by cleaning harvesting and tillage equipment and planting clean seed.
- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or integrated weed-management recommendations for specific crops and weed biotypes.
- For further information or to report suspected resistance, contact your local Bayer CropScience representative, or call Bayer CropScience Inc. toll-free at 1-888-283-6847.

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