

MAIN PANEL

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**POISON****KEEP OUT OF REACH OF CHILDREN****READ SAFETY DIRECTIONS BEFORE OPENING OR USING**

# Ronstar<sup>®</sup>

## Turf and Ornamental Herbicide

**ACTIVE CONSTITUENT: 20 g/kg OXADIAZON**

<b>GROUP</b>	<b>14</b>	<b>HERBICIDE</b>
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Distributed by



For the control of certain weeds in Woody Ornamental Shrubs and Trees in nurseries or in Turf as specified in the Directions for Use Table.

**Net Contents 15 – 1000 kg**

Commercial pack sizes 15 kg, 500 kg

**The bag must not be sold separately.****Do not destroy box while product still remains.**(label code)

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REAR PANEL**DIRECTIONS FOR USE:****RESTRAINTS:****DO NOT** mix granules with the soil.**DO NOT** apply to newly seeded turf areas.**DO NOT** apply to soft, annual flowering plants, ferns or bulbs unless they are listed as tolerant species below.**DO NOT** use in glasshouses or poorly ventilated polyhouses.

SITUATION	WEEDS CONTROLLED	STATE	RATE	CRITICAL COMMENTS		
<b>Container- grown woody ornamental shrubs, trees and vines.</b> (See list of tolerant species)	Bittercress (Flickweed) ( <i>Cardamine hirsuta</i> ) Creeping Oxalis (Yellow Wood Sorrel) ( <i>Oxalis corniculata</i> ) Petty Spurge ( <i>Euphorbia peplus</i> ) Sorrel ( <i>Rumex acetosella</i> ) Sowthistle ( <i>Sonchus</i> spp) Trefoils (Lotus) ( <i>Lotus</i> spp.)	All States	200 kg per ha <b>OR</b> 20 g/m <sup>2</sup>	Apply to soil surface of newly potted or freshly weeded containers. Repeat applications may be made at 10 week intervals.		
				<b>Rate For Individual Container Sizes</b>		
				Container Size		Amount required per container
				Container	Round Container	Square Container
				10.2 cm ( 4 in)	0.16 g	0.21 g
				15.2 cm ( 6 in)	0.4 g	0.5 g
				25.4 cm (10 in)	1.0 g	1.3 g
40.6 cm (16 in)	2.6 g	3.3 g				
50.8 cm (20 in)	4.1 g	5.2 g				
<b>Field-grown ornamental crops Transplants only:</b> Aster, Carnation, Chrysanthemum Seed and Transplant Gypsophila.	Willow Herbs ( <i>Epilobium</i> spp.) Winter Grass (Goosegrass) ( <i>Poa annua</i> )	NSW only		Apply to freshly weeded flower beds. Repeat applications at 10 week intervals. DO NOT apply to Zinnia or annual Helichrysum seed or transplants.		

SITUATION	WEEDS CONTROLLED	STATE	RATE	CRITICAL COMMENTS
<b>Recreational Turf:</b> includes fairways, golf tees, municipal sports fields, industrial and commercial lawns.  <b>Warm season turfgrass species only:</b> Bahia Grass ( <i>Paspalum notatum</i> ), Buffalo grass ( <i>Stenotaphrum secundatum</i> ), Common Couch ( <i>Cynodon dactylon</i> ), ( <b>NOT</b> Santa Anna) Hybrid Couch ( <i>Cynodon dactylon</i> C. <i>transvaalensis</i> ), Kikuyu ( <i>Pennisetum clandestinum</i> ), Queensland Blue Couch ( <i>Digitaria didactyla</i> ), Saltwater Couch ( <i>Paspalum vaginatum</i> ), Zoysia ( <i>Zoysia matrella</i> )	Crowsfoot Grass ( <i>Eleusine indica</i> ), Summer Grass ( <i>Digitaria ciliaris</i> )#	All States	150 kg per ha (1.5 kg per 100 m <sup>2</sup> )	Apply prior to germination of the weeds (usually from late winter to early Spring, late August to early September). #Summer grass will be suppressed at this rate.  <b>DO NOT</b> apply on turf containing Carpet Grass ( <i>Axonopus</i> spp.), Centipede Grass ( <i>Eremochloa ophiuroides</i> ) and Dichondra unless some damage is acceptable. Avoid contact with flowers and shrubs except as directed elsewhere in this document. Owing to the varying cultivation practices used, it is not recommended to apply this product on putting greens and bowling greens. Refer to the <b>General Instructions</b> for more details on application and plant back periods.
	Winter grass ( <i>Poa annua</i> ) Creeping oxalis (Yellow Wood Sorrel) ( <i>Oxalis corniculata</i> )	All States	200 kg per ha (2.0 kg per 100m <sup>2</sup> )	Apply prior to germination of the weeds (usually from late summer to mid-autumn, February to May, and early spring, August to October).  <b>DO NOT</b> apply on turf containing Carpet Grass ( <i>Axonopus</i> spp.), Centipede Grass ( <i>Eremochloa ophiuroides</i> ) and Dichondra unless some damage is acceptable. Avoid contact with flowers and shrubs except as directed elsewhere in this document. Owing to the varying cultivation practices used, it is not recommended to apply this product on putting greens and bowling greens. Refer to the <b>General Instructions</b> for more details on application and plant back periods.

**NOT TO BE USED FOR ANY PURPOSE OR IN ANY MANNER CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION**

REAR PANEL (Contd)**GENERAL INSTRUCTIONS:**

This product is a pre-emergent herbicide. Control of germinating weed seedlings can be expected for up to 10 weeks after application.

**NOTE ON ORNAMENTALS:** **Ronstar Turf and Ornamental** has been used on a wide range of ornamental plant species without damage. However, some species and varieties are particularly sensitive to chemical products. As this sensitivity could be related to local conditions, it is advisable to treat only a small number of plants first, in order to determine their reaction to the product, before treating a whole crop.

**Tolerant Nursery Species:** Some of the species of the genera listed below have been shown to tolerate **Ronstar Turf and Ornamental** at a dose rate of 20g per square metre.

Abelia	Bauhinia	Cuphea	Hakea	Kunzea	Metrosideros	Ravenala
Acacia	Boronia	Cupressus	Hebe	Lagerstroemia	Monstera	Rosa
Acalypha	Browallia	Dampiera	Helichrysum	Lantana	Nerium	Rosmarinus
Agapanthus	Callistemon	Dodonaea	(perennial)	Lavandula	Omolanthus	Russelia
Agonis	Callitris	Eriostemon	Hemiandra	Leea	Pandorea	Schefflera
Allamanda	Camellia	Escallonia	Hibbertia	Leptospermum	Phoenix	Sollya
Ardisia	Chamelaucium	Eucalyptus	Ixora	Leucodendron	Photinia	Viburnum
Araucaria	Coleonema	Eutaxia	Jasminum	Leucospermum	Prostanthera	Weigela
Azalea	Coprosma	Gardenia	Juniperus	Macrozamia	Protea	Westringia
Banksia	Cotoneaster	Grevillea	Kennedia	Melaleuca		

**APPLICATION:**

Apply using a properly calibrated granular applicator which will apply the granules in a uniform pattern. Uniform application is essential for satisfactory weed control. Calibrate the applicator prior to use according to the manufacturer's instructions, and check applicator frequently to ensure that the equipment is working properly. After application, ensure granules are washed or brushed off the foliage, particularly the foliage of prostrate and dense ground-cover plants. DO NOT apply granules when foliage is wet.

**Turf**

As above. Ensure that the turf area is free of leaves and other debris, mowing if necessary, so that the granules reach the soil surface. Measure the area to be treated and apply the required amount using a properly calibrated granular applicator as above. Oscillating spout and rotary type fertilizer spreaders are recommended for large areas.

Activity of this product is dependent on moist soil conditions. If rain is not received within 2 days after application, apply thorough sprinkler irrigation to wash granules off the leaves and help distribute the granules on the soil surface.

DO NOT apply granules when the turf foliage is wet,

If the soil is to be top-dressed with fertilizer, DO NOT apply this product until the top-dressing operation is completed.

Plant-Back Periods

Ryegrass: Allow four months after last application to lapse before reseeding.

Bentgrass: Allow five months after last application to lapse before reseeding.

REAR PANEL

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**RESISTANT WEEDS WARNING:**

GROUP	14	HERBICIDE
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Ronstar Turf and Ornamental Selective Herbicide is a member of the Oxidiazole group of herbicides. The product has the inhibitors of protoporphyrinogen oxidase mode of action. For weed resistance management, the product is a Group 14 Herbicide. Some naturally occurring weed biotypes resistant to the product and other Group 14 herbicides may exist through normal genetic variability in any weed population. The resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly. These resistant weeds will not be controlled by this product or other Group 14 herbicides. Since the occurrence of resistant weeds is difficult to detect prior to use, 2022 Environmental Science AU Pty Ltd accepts no liability for any losses that may result from the failure of this product to control resistant weeds.

**PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT:**

Dangerous to fish. DO NOT contaminate streams, rivers or watercourses with the chemical or used containers.

**STORAGE AND DISPOSAL:**

Store in the closed, original container in a dry, cool, well-ventilated area out of direct sunlight. Store in a locked room or place away from children, animals, food, feedstuffs, seed and fertilisers. Shake empty into granule applicator. DO NOT dispose of undiluted chemicals on site. Break, crush or puncture and deliver empty packaging for appropriate disposal to an approved waste management facility. If an approved waste facility is not available, bury empty packaging 500 mm below the surface in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots in compliance with relevant Local, State or Territory government regulations. DO NOT burn empty containers or product.

**SAFETY DIRECTIONS:**

Avoid contact with eyes. DO NOT inhale dust. Wash hands after use.

**FIRST AID:**

If poisoning occurs contact a doctor or Poisons Information Centre. Phone Australia 13 11 26. New Zealand 0800 764 766.

**SAFETY DATA SHEET:**

Additional information is listed in the Safety Data Sheet.

**CONDITIONS OF SUPPLY**

**READ THESE CONDITIONS OF SUPPLY BEFORE BUYING AND USING. IF THESE CONDITIONS ARE UNACCEPTABLE RETURN AT ONCE UNOPENED.**

To the extent permitted by law 2022 Environmental Science AU Pty Ltd does not accept any liability or responsibility whatsoever for any loss, damage or injury whether direct, indirect or consequential howsoever arising in connection with these goods, including without limitation their storage, application, handling or use. 2022 Environmental Science AU Pty Ltd does not make any warranties (express or implied) with respect to fitness for purpose, merchantable quality or any other matter. To the extent only that 2022 Environmental Science AU Pty Ltd is prevented by law from contracting out of the Consumer Guarantees Act then these conditions apply subject to that Act. The Act shall not apply where these goods are acquired for business purposes.

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**For specialist advice in an emergency only call +61 2 9037 2994 or 1800 862 115 toll free.** The toll free phone number is possibly accessible, but not guaranteed from payphones within Australia and is not accessible from outside of Australia.

**APVMA Approval No.: 62461/139300**

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Batch Number:  
Date of Manufacture:  
Barcode:

(label code)

**TOP OF INNER PLASTIC BAG 15 kg**

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# POISON

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<b>GROUP</b>	<b>14</b>	<b>HERBICIDE</b>
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For the control of certain weeds in Woody Ornamental Shrubs and Trees in nurseries or in Turf as specified in the Directions for Use Table.

**Net Contents**    **The bag must not be sold separately. Do not destroy box while**  
**15 kg**                **product still remains.**  
                            **Before using product, read directions on outer pack.**  
                            **Sale of this bag, except in outer pack, is illegal.**

**STORAGE AND DISPOSAL:** Store in the closed, original container in a dry, cool, well-ventilated area out of direct sunlight. Store in a locked room or place away from children, animals, food, feedstuffs, seed and fertilisers. Shake empty into granule applicator. DO NOT dispose of undiluted chemicals on site. Break, crush or puncture and deliver empty packaging for appropriate disposal to an approved waste management facility. If an approved waste facility is not available, bury empty packaging 500 mm below the surface in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots in compliance with relevant Local, State or Territory government regulations. DO NOT burn empty containers or product.

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