



RONSTAR®

Product

Reference

Guide

PRODUCT OVERVIEW

Ronstar® brand oxadiazon is a preemergent herbicide that controls a variety of annual broadleaf and grass weeds that challenge turf and landscape professionals. While some herbicides control weeds through their roots and don't distinguish between weed roots and turf and ornamental roots, Ronstar controls weeds through their shoots, which means less harm to the roots of desirable turf. Thus, Ronstar can be used in situations in which roots have been damaged by pests, winterkill or other injury. Ronstar will not prevent roots from establishing or tacking down in areas that require sprigging, nor will it damage labeled ornamental plants when used according to label instruction.

TURF WEED CONTROL DATA

Crabgrass Control

	Crabgrass 7-15-94	Crabgrass 8-12-94	Crabgrass 9-2-94
Untreated (% Crabgrass Cover)	14%	24%	21%
Ronstar (Percent Control) @ 150lbs/A	100%	100%	95%

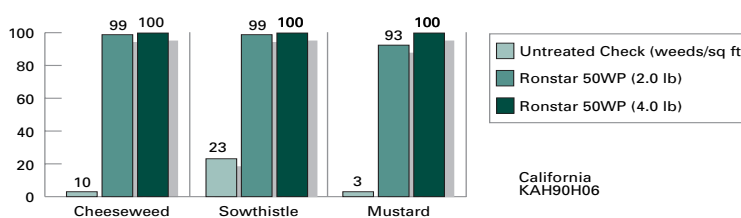
Goosegrass Control

	Goosegrass 6-10-94	Goosegrass 7-21-94
Untreated (% Goosegrass Cover)	2%	19%
Ronstar (Percent Control) @ 150lbs/A	100%	94%

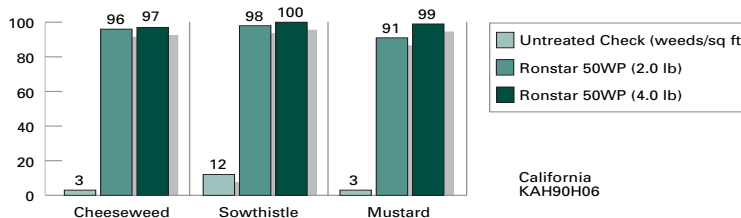
The Ronstar-treated turf exhibited a turf injury of 0.0 (no injury).

ORNAMENTAL WEED CONTROL DATA

Percent Weed Control — 30 Days After Application



Percent Weed Control — 60 Days After Application



Weeds Controlled on Turf

- Crabgrass
- Goosegrass
- Field Sandbur
- Annual Sedge
- Annual Bluegrass
- Virginia Buttonweed
- Pigweed
- Florida Pusley
- Oxalis
- Stinging Nettle
- Carpetgrass

Benefits

- One preemergent application provides season-long control of many weeds and grasses
- Can be applied weeks before weed seed germination

Turf:

- Doesn't inhibit turf root growth/ turf recovery from damage, or prevent roots from tacking down. Offers an environment conducive to sprigging
- May be applied to sensitive grasses including bermuda-grass, zoysia, and seashore paspalum

Ornamentals:

- Material will not photodecompose or volatilize. Can remain on the soil surface for long periods of time until incorporation from rainfall or irrigation

EFFECTIVE TANK-MIX OPTION

Tank-Mix Combination	Benefits
Ronstar* + Finale®	<ul style="list-style-type: none">• Controls a broad spectrum of annual broadleaf and annual grass weeds.• Controls existing weeds and prevents new weeds from emerging.• Can be used in hard-to-maintain areas such as around fence posts and trees.

*Only the WSP formulations.

FREQUENTLY ASKED QUESTIONS

Q: What's a DNA? And what makes Ronstar's mode of action unique?

A: Dinitroaniline (DNA) herbicides control weeds by halting root growth. But these products don't distinguish between weed roots and turf/ornamental roots, so they can inhibit turf-grass and ornamentals in treated areas. Another problem with these products has been herbicide resistance by goosegrass. Ronstar, on the other hand, contains the active ingredient oxadiazon, and is not in the DNA chemical class. Ronstar controls weeds through the shoots, not the roots. It does not harm turf and ornamental roots and is effective against DNA-resistant goosegrass.

Q: Is Ronstar effective on goosegrass and crabgrass?

A: Yes. However, it must be applied prior to emergence. Ronstar's performance is not significantly affected by temperature, and it will not lose its effectiveness if it's applied early. In fact, the opposite is true—an early application ensures excellent crabgrass and goosegrass control.

Q: Does Ronstar control *Poa annua*?

A: Yes. Just one application of Ronstar provides control that's equal to or better than other products registered for use on *Poa annua*.

Q: What's the best way to ensure effectiveness after Ronstar is applied?

A: Thoroughly water the treated areas soon after it's applied. Water only the soil and don't incorporate the chemical by raking; Ronstar works best when the soil surface is not disturbed.

Q: Is Ronstar available in more than one formulation?

A: Yes. It's available in two easy-to-use formulations: a granular and in convenient 1-pound water-soluble packets.



Exposure to a DNA herbicide has left the turf roots in the photo on the far left stubby and stunted. The turf roots in the photo on the right remain healthy. They've been exposed to Ronstar.

Annual Broadleaf Weeds and Grasses Controlled on Ornamentals

Weeds

- Bittercress
- Bristly Oxtongue*
- Carpetweed
- Cheeseweed
- Common Groundsel
- Common Purslane
- Evening Primrose
- Fiddleneck*
- Fireweed*
- Florida Pusley
- Galinsoga
- Golden Ragwort
- Lambsquarters
- Liverwort
- Oxalis
- Pennsylvania Smartweed
- Petty Spurge
- Prostrate Spurge
- Redroot Pigweed
- Shepherdspurse*
- Sow Thistle
- Speedwell
- Spotted Catsear
- Swinecress
- Yellow Woodsorrel

Grasses

- Annual Bluegrass
- Annual Sedge*
- Barnyardgrass
- Carpetgrass
- Crabgrass
- Fall Panicum
- Goosegrass
- Green Foxtail
- Ripgut Bromegrass*
- Wild Oats

* Not currently registered for use in California