



OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

WASHINGTON, D.C. 20460

August 22, 2024

Haley Wade
Lead Regulatory Manager
Control Solutions, Inc.
5903 Genoa-Red Bluff
Pasadena, TX 77507-1041

Subject: Label Amendment - Registration Review Mitigation for Oxadiazon
Product Name: Quali-Pro Oxadiazon SC
EPA Registration Number: 53883-364
Application Date: June 6, 2022
Decision Number: 595954

Dear Haley Wade:

The Agency, in accordance with the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, has completed reviewing all the information submitted with your application to support the Registration Review of the above referenced product in connection with the Oxadiazon Interim Decision, and has concluded that your submission is acceptable. The label referred to above, submitted in connection with registration under FIFRA, as amended, is acceptable. As part of the registration review, EPA identified the need for this product to be classified as Restricted Use. The labeling approved today incorporates the necessary changes for classification as Restricted Use, therefore the classification is effective on the date of this letter.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide, Fungicide, and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance Assurance.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling and must be used at your next label printing. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. Due to the classification of this product as Restricted Use, in accordance with 40 CFR 152.167, after 120 days, any of this product you sell or distribute must:

- 1) Bear an approved amended label containing the terms of the Restricted Use classification;
- 2) Bear a sticker containing the product name, EPA registration number, and any terms of restricted use; **or**
- 3) Be accompanied by supplemental labeling bearing the product name, EPA registration numbers, and any terms of restricted use.

After 270 days, any of this product you sell or distribute must bear the approved amended labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

If you have any questions about this letter, please contact Theodore Varns by phone at 202-566-2241, or via email at varns.theodore@epa.gov.

Sincerely,

A handwritten signature in dark ink, appearing to read "Kevin Costello", is positioned above the typed name.

Kevin Costello, Branch Chief
Risk Management and Implementation Branch 2
Pesticide Re-Evaluation Division
Office of Pesticide Programs

ENCLOSURE: Stamped label

RESTRICTED USE PESTICIDE

Due To Potential Human Health Risks of Concern (Cancer) From Chronic Dietary or Dermal Exposure
When Used in Accordance With Label Directions.

FOR RETAIL SALE TO AND USE ONLY BY CERTIFIED APPLICATORS OR PERSONS UNDER THEIR
DIRECT SUPERVISION AND ONLY FOR THOSE USES COVERED BY THE CERTIFIED APPLICATOR'S
CERTIFICATION.

OXADIAZON GROUP 14 HERBICIDE

Master Label

Quali-Pro® Oxadiazon SC Herbicide

Preemergent Control of Annual Grasses and Broadleaf Weeds in Turf, Conifer Nurseries, 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.

ONLY FOR SALE TO, USE, AND STORAGE BY COMMERCIAL NURSERY, TURF, AND LANDSCAPE PERSONNEL. NOT FOR USE ON HOME LAWNS.

Contains oxadiazon, the active ingredient used in Ronstar® Flo Herbicide.

Quali-Pro® Oxadiazon SC Herbicide is not manufactured or distributed by Bayer Environmental Science.

ACTIVE INGREDIENT:

% BY WT.

Oxadiazon: 3-[2,4-dichloro-5-(1-methylethoxy)phenyl]-5-(1,1-dimethylethyl)-1,3,4-oxadiazol-2(3H)-one 34.4%

OTHER INGREDIENTS: 65.6%

TOTAL 100.0%

This product contains 3.17 pounds oxadiazon per gallon.

KEEP OUT OF REACH OF CHILDREN CAUTION

Manufactured for:
Control Solutions, Inc.
5903 Genoa Red Bluff Rd.
Pasadena, TX 77507

EPA Reg. No. 53883-364

EPA Est. No. _____

NET CONTENTS: 2.5 GALLONS

ACCEPTED

Aug 22, 2024

Under the Federal Insecticide, Fungicide
and Rodenticide Act as amended, for the
pesticide registered under
EPA Reg. No. 53883-364

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 to do so by a poison control center or doctor.• Do not give anything by mouth to an unconscious person.
IF IN EYES:	<ul style="list-style-type: none">• Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.• Remove contact lenses, if present, after the first 5 minutes; then continue rinsing eye.• Call a poison control center or doctor for treatment advice.
IF ON SKIN OR CLOTHING:	<ul style="list-style-type: none">• Take off contaminated clothing.• Rinse skin immediately with plenty of water for 15 to 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. You may also contact SafetyCall at 1-866-897-8050 for emergency medical treatment information.	

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS 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 before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical resistant to this product are barrier laminate, butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, neoprene rubber ≥ 14 mils, natural rubber ≥ 14 mils, polyethylene, polyvinyl chloride ≥ 14 mils and viton ≥ 14 mils.

Mixers, loaders, applicators, and other handlers must wear: Long-sleeved shirt and long pants, shoes plus socks, and waterproof gloves. In addition, mixers and loaders must wear a chemical-resistant apron. See **ENGINEERING CONTROLS STATEMENTS** for additional information.

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

USERS SHOULD:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash body thoroughly and put on clean clothing.
- 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.

ENVIRONMENTAL HAZARDS

Quali-Pro® Oxadiazon SC Herbicide 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.

For terrestrial uses: 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 disposing of equipment washwater or rinsate.

Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas.

This pesticide is toxic to oysters and shrimp.

This chemical has properties and characteristics associated with chemicals detected in groundwater. This chemical may leach into groundwater if used in areas where soils are permeable, particularly where the water table is shallow.

This product may impact surface water quality due to runoff of rain water. This is especially true for poorly draining soils and soils with shallow ground water.

This product is classified as having high potential for reaching surface water via runoff for several months or more after application.

A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential loading of oxadiazon from runoff water and sediment.

NON-TARGET ORGANISM ADVISORY: This product is toxic to plants and may adversely impact the forage and habitat of non-target organisms, including pollinators, in areas adjacent to the treated site. Protect the forage and habitat of non-target organisms by following label directions intended to minimize spray drift.

DIRECTIONS FOR USE **Restricted Use Pesticide**

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.

After application, user must thoroughly irrigate the site as soon as possible on the same day of application.

WEED RESISTANCE MANAGEMENT

For resistance management, this product is a Group 14 herbicide. Any weed population may contain or develop plants naturally resistant to this product and other Group 14 herbicides. The resistant biotypes may dominate the weed population if these herbicides are used repeatedly in the same field. Appropriate resistance management strategies should be followed.

To delay herbicide resistance, take one or more of the following steps:

- Rotate the use of this product or other Group 14 herbicides within a growing season sequence or among growing seasons with different herbicide groups that control the same weeds in a field.
- Use tank mixtures with herbicides from a different group if such use is permitted; where information on resistance in target weed species is available, use the less resistance-prone partner at a rate that will control the target weed(s) equally as well as the more resistance-prone partner. Consult your local extension service or certified crop advisor if you are unsure as to which active ingredient is currently less prone to resistance.
- Adopt an integrated weed-management program for herbicide use that includes scouting and uses historical information related to herbicide use and crop rotation, and that considers tillage (or other mechanical control methods), cultural (e.g., higher crop seeding rates; precision fertilizer application method and timing to favor the crop and not the weeds), biological (weed-competitive crops or varieties) and other management practices.
- Scout after herbicide application to monitor weed populations for early signs of resistance development. Indicators of possible herbicide resistance include:
 - 1) failure to control a weed species normally controlled by the herbicide at the dose applied, especially if control is achieved on adjacent weeds;
 - 2) a spreading patch of non-controlled plants of a particular weed species;
 - 3) surviving plants mixed with controlled individuals of the same species. If resistance is suspected, prevent weed seed production in the affected area by an alternative herbicide from a different group or by a mechanical method such as hoeing or tillage. Prevent movement of resistant weed seeds to other fields by cleaning harvesting and tillage equipment when moving between fields and planting clean seed.
- If a weed pest population continues to progress after treatment with this product, discontinue use of this product, and switch to another management strategy or herbicide with a different mode of action, if available.
- Contact your local extension specialist or certified crop advisors for 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 sales rep.

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
- Waterproof gloves
- Shoes plus socks

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 pesticides, 40 CFR Part 170. The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Do not allow people or pets to enter treated areas until sprays have dried.

IMPORTANT: Quali-Pro® Oxadiazon SC Herbicide is recommended for use in turf, conifer nurseries, and ornamentals in most states. Check with your pesticide dealer, state Cooperative Extension Service, or Department of Agriculture before use to be certain Quali-Pro® Oxadiazon SC Herbicide is registered in your state. Read the entire **DIRECTIONS FOR USE** and **LIMITATION OF WARRANTY AND LIABILITY** before using Quali-Pro® Oxadiazon SC Herbicide.

PRODUCT INFORMATION

Quali-Pro® Oxadiazon SC Herbicide must be used only in accordance with directions for use on this label. Control Solutions, Inc., Inc. will not be responsible for losses or damage resulting from use of this product in any manner not specifically authorized by Control Solutions, Inc., Inc.

State Specific Restrictions:

The state of Arizona has not approved this product for use on agricultural sites. Do not use this product on uses considered by the Arizona statutes to be agricultural uses.

Formulation and Mode of Action: Quali-Pro® Oxadiazon SC Herbicide is a suspension concentrate formulation containing 3.17 pounds oxadiazon per gallon. Oxadiazon is a member of the oxadiazole chemical family of herbicides. Members of this herbicide family inhibit protoporphyrinogen oxidase production (PPO inhibitor) in plants and control weeds by killing the young weed seedlings as they come in contact with the herbicide during germination. Seedlings of susceptible weeds emerge from treated soil and then wilt and die. A preemergent application of Quali-Pro® Oxadiazon SC Herbicide controls many annual grasses and broadleaf weeds in turf, conifer nurseries, and on a variety of woody ornamental shrubs and trees.

Application Information: Always apply Quali-Pro® Oxadiazon SC Herbicide with a clean and properly calibrated sprayer that will apply the spray solution uniformly. Calibrate the sprayer prior to use according to the manufacturer's directions and check daily to be certain that the equipment is working properly. Thorough and uniform spray coverage is essential for satisfactory weed control. The spray delivery system should provide a uniform spray pattern with a minimum of drift.

Precautions For Use of Quali-Pro® Oxadiazon SC Herbicide:

1. Weed control may be reduced if the product is mechanically mixed into the soil.
2. Do not contaminate water intended for irrigation and domestic use.
3. Do not allow domestic animals to graze treated areas.
4. Do not apply in greenhouses, as plant injury may result from co-distillation of active ingredient onto leaf surfaces in condensate.

Restrictions For Use of Quali-Pro® Oxadiazon SC Herbicide:

1. Mechanically pressurized handguns may only be used for applications to golf course turf.
2. The minimum retreatment interval (RTI) between applications is 60 days.
3. Total applications of oxadiazon of all physical forms must not exceed 6.0 lbs a.i./A/year if this product is used on the same site with other formulations.

MANDATORY SPRAY DRIFT MANAGEMENT

Ground Boom Applications:

- User must only apply with the release height recommended by the manufacturer, but no more than 4 feet above the ground or crop canopy.
- Applicators must select nozzle and pressure that deliver medium or coarser droplets in accordance with American Society of Agricultural & Biological Engineers Standard 572 (ASABE S572).
- Do not apply when wind speeds exceed 15 mph at the application site. Do not apply during temperature inversions.

Boomless Ground Applications:

- Applicators must select nozzle and pressure that deliver medium or coarser droplets in accordance with American Society of Agricultural & Biological Engineers Standard 572 (ASABE S572).
- Do not apply when wind speeds exceed 15 miles per hour at the application site.
- Do not apply during temperature inversions.

SPRAY DRIFT ADVISORIES

THE APPLICATOR IS RESPONSIBLE FOR AVOIDING OFF-SITE SPRAY DRIFT.
BE AWARE OF NEARBY NON-TARGET SITES AND ENVIRONMENTAL CONDITIONS.

IMPORTANCE OF DROPLET SIZE

An effective way to reduce spray drift is to apply large droplets. Use the largest droplets that provide target pest control. While applying larger droplets will reduce spray drift, the potential for drift will be greater if applications are made improperly or under unfavorable environmental conditions.

Controlling Droplet Size – Ground Boom

- Volume – Increasing the spray volume so that larger droplets are produced will reduce spray drift. Use the highest practical spray volume for application. If a greater spray volume is needed, consider using a nozzle with a higher flow rate.
- Pressure – Use the lowest spray pressure recommended for nozzle to produce the target spray volume and droplet size.
- Spray Nozzle – Use a spray nozzle that is designed for the intended application. Consider using nozzle designed to reduce drift.

BOOM HEIGHT – Ground Boom

For ground equipment, the boom should remain level with the crop and have minimal bounce.

SHIELDED SPRAYERS

Shielding the boom or individual nozzles can reduce spray drift. Consider using shielded sprayers. Verify that the shields are not interfering with the uniform deposition of the spray on the target area.

TEMPERATURE AND HUMIDITY

When making applications in hot and dry conditions, use larger droplets to reduce effects of evaporation.

TEMPERATURE INVERSION

Drift potential is high during a temperature inversion. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. The presence of an inversion can be indicated by ground fog or by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing.

WIND

Drift potential generally increases with wind speed. AVOID APPLICATIONS DURING GUSTY WIND CONDITIONS.
Applicators need to be familiar with local wind patterns and terrain that could affect spray drift.

SPRAY DRIFT ADVISORIES

Boomless Ground Applications:

Setting nozzles at the lowest effective height will help to reduce the potential for spray drift.

Handheld Technology Applications:

Take precautions to minimize spray drift.

TURF

Dormant Turf: For control of key broadleaf and grassy weeds in dormant established Bermudagrass, St. Augustinegrass, and Zoysia turf grown in areas such as fairways, parks, golf courses, and commercial turf, apply Quali-Pro® Oxadiazon SC Herbicide at 1.85 to 2.8 fl. oz. per 1000 sq. ft. (80.6 to 122 fl. oz. per acre). Apply in late winter or early spring prior to weed seed germination when the turf is still dormant and at least 2 to 3 weeks prior to greenup. Application closer to greenup may result in injury.

It is important that the herbicide spray solution reach the soil surface; mow or rake the turf area to remove leaves or anything else that might prevent the spray from reaching the soil surface. Measure the area to be treated and uniformly apply the required amount of Quali-Pro® Oxadiazon SC Herbicide. Irrigate the turf thoroughly after application.

Hawaii Only: Quali-Pro® Oxadiazon SC Herbicide may be applied in Hawaii to newly sprigged Zoysiagrass being grown for sod. Ensure the spray reaches the soil surface as described above and irrigate thoroughly after application.

California Only: Do not apply Quali-Pro® Oxadiazon SC Herbicide to St. Augustinegrass or Zoysia turf in California.

Preemergence Weed Control in Turf with Quali-Pro® Oxadiazon SC Herbicide

WEEDS CONTROLLED	RATE FL. OZ. PER 1000 SQ. FT. (FL. OZ. PER ACRE)	DIRECTIONS
Crabgrass (<i>Digitaria</i> spp.) Goosegrass (<i>Eleusine indica</i>) Annual Bluegrass (<i>Poa annua</i>)* Annual Sedge (<i>Cyperus compressus</i>)*	1.85 - 2.8 (80.6 - 122)	– 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> . A subsequent application can be made 4 months after the first application. – Apply in 0.75 – 3.5 gallons of water per 1000 sq. ft. (32.7 - 152.5 gallons of water per acre).
Virginia Buttonweed (<i>Diodia virginiana</i>)	2.8 (122)	

* Not for use in California unless accompanied by supplemental labeling.

Bermudagrass Establishment From Sprigs*: Quali-Pro® Oxadiazon SC Herbicide may be applied to Bermudagrass being established from sprigs for control of crabgrass, goosegrass, and annual sedge. Apply Quali-Pro® Oxadiazon SC Herbicide at 1.85 fl. oz. per 1000 sq. ft. (80.6 fl. oz. per acre) immediately prior to or immediately after sprigging. Reduced weed control may result if the soil surface is disturbed after herbicide application. Irrigate immediately after application for best results.

* Not for use in California unless accompanied by supplemental labeling.

Precautions for Quali-Pro® Oxadiazon SC Herbicide Use on Turf:

1. Always apply in 0.75 - 3.5 gallons of water per 1000 sq. ft. (32.7 - 152.5 gallons of water per acre).
2. For best results, water in the product as soon as practical after application.
3. Do not apply into newly seeded areas, as injury may occur. Wait 4 months after treatment before seeding into treated areas.
4. Do not use on putting greens or tees, as injury may occur due to the varying cultural practices used.

Restrictions for Quali-Pro® Oxadiazon SC Herbicide Use on non-agricultural turf sites (e.g., golf courses, parks, athletic fields):

1. A maximum single application rate of 3.0 lbs a.i./a and a maximum annual application rate of 3.0 lbs a.i./A with use limited to one application per year.
2. Application of this product may be followed by one or more applications of a granular oxadiazon product. Total applications of oxadiazon of all physical forms must not exceed 6.0 lbs a.i./A/year when a liquid application has been applied.
3. This product may be applied to dormant turf in late winter or early spring as the first application of the calendar year. This product may not be applied to any turf area that has already been treated with a granular formulation of oxadiazon within the same calendar year.
4. On golf course turf only: total applications of oxadiazon of all physical forms are limited to 30% of the total managed turf area of a golf course per year. Applications may be made to any turf surface type, including fairways, tees, greens roughs, non-

playable turf surfaces, or other managed turf areas. This 30% limit may be applied to the same or different turf areas from one year to the next.

5. Applications made using backpack sprayers may only be used for spot treatments (treatment of a maximum of 1000 square feet per acre).
6. On golf courses: A minimum 10-foot-wide untreated vegetative buffer must be maintained between the treated area and any surface water features.

Restrictions for Quali-Pro Oxadiazon SC herbicide uses on agricultural turf sites (i.e., sod farms):

1. A maximum single application rate of 3.0 lbs a.i./A and a maximum annual application rate of 6.0 lbs a.i./A from all physical forms.
2. A minimum 10-foot untreated vegetative buffer must be maintained between the treated area and any surface water features.

Woody Ornamental Shrubs and Trees, Rights-of-Way, Ornamental Nurseries and Conifer Nurseries:

May not be applied to ornamentals in residential properties.

Apply Quali-Pro® Oxadiazon SC Herbicide by ground at 1.85 fl. oz. per 1000 sq. ft. (80.6 fl. oz. per acre) as a broadcast spray depending on the weeds present as listed in the table below. Apply in a minimum of 1 gallon per 1000 sq. ft. (43.6 gallons per acre) as a directed spray to the soil surface or as an over-the-top spray only on labeled species (see **PLANT TOLERANCE** section below for more information).

Application of Quali-Pro® Oxadiazon SC Herbicide should be made prior to weed seed germination. The herbicide should not be mixed into the soil, as cultivating or disturbing the soil may reduce weed control. Quali-Pro® Oxadiazon SC Herbicide can be applied to both newly transplanted and established plants. Application can be made to actively growing or dormant plants. Do not apply Quali-Pro® Oxadiazon SC Herbicide during bud break or during the 4-week period after bud break, or injury may occur.

Best weed control is achieved when rainfall or overhead irrigation (one-half inch) is applied immediately after application. Rainfall or overhead irrigation immediately is required after application of over-the-top sprays of Quali-Pro® Oxadiazon SC Herbicide in order to move the product from the foliage to the soil surface. Removal of existing weed growth before application is required to ensure that the spray reaches the soil surface. A subsequent application can be made 4 months after the initial application. The maximum number of applications is one per year.

Restrictions for Use of Quali-Pro® Oxadiazon SC Herbicide:

1. Do not apply in greenhouses, as plant injury may result from co-distillation of the active ingredient onto leaf surfaces in condensate.
2. Do not mechanically mix into the soil, as reduced weed control will likely result from cultivating or disturbing the soil.
3. A maximum single application rate of 2.0 lbs a.i./A, and a maximum annual application rate of 2.0 lbs a.i./A, with use limited to one application per year.
4. Applications made using backpack sprayers may only be used for spot treatments (treatment of a maximum of 1000 square feet per acre).

ANNUAL BROADLEAF AND GRASSY WEEDS CONTROLLED BY QUALI-PRO® OXADIAZON SC

BROADLEAVES		GRASSES	
RATE		RATE	
1.85 FL. OZ. PER 1000 SQ. FT.		1.85 FL. OZ. PER 1000 SQ. FT.	
(80.6 FL. OZ. PER ACRE)		(80.6 FL. OZ. PER ACRE)	
Bittercress	(<i>Cardamine</i> spp.)	Annual Bluegrass*	(<i>Poa annua</i>)
Bristly Oxtongue*	(<i>Picris echioides</i>)	Annual Sedge*	(<i>Cyperus compressus</i>)
Carpetweed	(<i>Mollugo verticillata</i>)	Carpetgrass	(<i>Axonopris offinis</i>)
Cheeseweed*	(<i>Malva parviflora</i>)	Crabgrass	(<i>Digitaria</i> spp.)
Common Purslane	(<i>Portulaca oleracea</i>)	Fall Panicum	(<i>Panicum dichotomiflorum</i>)
Fiddleneck*	(<i>Amsinckia intermedia</i>)	Green Foxtail	(<i>Setaria viridis</i>)
Fireweed*	(<i>Epilobium angustifolium</i>)	Ripgut Bromegrass*	(<i>Bromus catharticus</i>)
Florida Pusley	(<i>Richardia scabra</i>)	Wild Oats*	(<i>Avena fatua</i>)
Golden Ragwort	(<i>Senecio aureus</i>)	Barnyardgrass*	(<i>Echinochloa crus-galli</i>)
Lambsquarters	(<i>Chenopodium album</i>)	Goosegrass*	(<i>Eleusine indica</i>)
Oxalis	(<i>Oxalis</i> spp.)		
Pennsylvania Smartweed	(<i>Polygonum pensylvanicum</i>)		
Petty Spurge	(<i>Euphorbia peplus</i>)		
Redroot Pigweed	(<i>Amaranthus retroflexus</i>)		
Shepherdspurse*	(<i>Capsella bursa-pastoris</i>)		
Speedwell	(<i>Veronica</i> spp.)		
Sow Thistle*	(<i>Sonchus oleraceus</i>)		
Spotted Catsear	(<i>Hypochaeris radicata</i>)		
Yellow Woodsorrel	(<i>Oxalis stricta</i>)		
Common Groundsel	(<i>Senecio vulgaris</i>)		
Evening Primrose	(<i>Oenothera</i> spp.)		
Galinsoga	(<i>Galinsoga</i> spp.)		
Liverwort	(<i>Marchantia</i> spp.)		
Prostrate Spurge	(<i>Euphorbia supina</i>)		
Swinecress	(<i>Coronopus didymus</i>)		

* Not for use in California unless accompanied by supplemental labeling.

Plant Tolerance: Quali-Pro® Oxadiazon SC Herbicide can be used as directed spray to the soil surface on a wide variety of container and field-grown woody ornamental shrubs, trees, conifers, and herbaceous plants in nurseries. It can also be used as an over-the-top spray at listed rates on the ornamental species shown in the table below.

Ornamentals Tolerant of Quali-Pro® Oxadiazon SC Herbicide Applied in an Over-the-Top Spray at a Minimum Spray Volume of 1 Gallon per 1000 Sq. Ft. (43.6 gallons per acre)

Arborvitae	Hemlock* (Canadian*)
Baby's Breath	Holly (Chinese, Japanese, Kurogane)
Barberry, Japanese	Hopseed Bush, Purple
Boxwood	Juniper (Andorra, Blue Rug, Common, Creeping)
Cedar, Eastern Red	Oleander
Cranberry	Ophiopogon
Cypress (Hinoki, Nootka Spound, Sawara)	Pine (Eastern White, Mugho, Scotch)
Euonymus, Evergreen	Raphiolepis
Fir* (Douglas*, Fraser*, Grand *, Noble*)	Spruce, Blue*
Gladiolas	Statice

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Local conditions may affect the use of Quali-Pro® Oxadiazon SC Herbicide. Consult State Agricultural Experiment Station or Extension Service weed specialists for specific recommendations for local weed problems and information on possible lower dosages.

Landscape Plantings at Commercial, Roadside, and Industrial Sites: Apply Quali-Pro® Oxadiazon SC Herbicide by ground at 1.85 fl. oz. per 1000 sq. ft. (80.6 fl. oz. per acre) as a broadcast spray prior to weed seed germination as an over-the-top spray only on labeled ornamentals. Ornamental landscape plants tolerant of over-the-top sprays of Quali-Pro® Oxadiazon SC Herbicide include: Large Leaf Ice Plant, English Ivy, Algerian Ivy, African Trailing Daisy, Common Periwinkle, and Bignonia Periwinkle.

Apply only to established ornamentals at a minimum spray volume of 1 gallon of water per 1000 sq. ft. (43.6 gallons per acre). Remove existing weed growth before application so the spray solution will be able to reach the soil surface. Be sure to sprinkle irrigate within 2 hours after application, as crop injury may occur.

Restrictions for Use of Quali-Pro® Oxadiazon SC Herbicide on Landscape Plantings:

1. Do not use on any landscape plants except those listed above.
2. Do not apply within 60 days of transplanting.
3. Do not apply with adjuvants or drift control agents.

Tank Mix Combinations for Ornamental Plantings and Noncropland Areas: Quali-Pro® Oxadiazon SC Herbicide may be used in combination with a non-selective herbicide such as glyphosate to control existing undesirable vegetation. When applied as a directed spray, the tank mixture will provide preemergence and postemergence control of susceptible species listed on the respective labels of the two herbicides.

Prior to mixing Quali-Pro® Oxadiazon SC with glyphosate or any other product, first conduct a compatibility test to make sure they are compatible. Using a clear glass quart jar, conduct the test as described below:

1. Fill the jar 3/4 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 Quali-Pro® Oxadiazon SC Herbicide.

When mixing, be sure that Quali-Pro® Oxadiazon SC Herbicide is added to the tank and agitated prior to introduction of a non-selective herbicide such as glyphosate. 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.

Precautions for Tank Mixing Quali-Pro® Oxadiazon SC Herbicide and Glyphosate:

1. Do not use apply product in combination with a non-selective herbicide like glyphosate as an over-the-top spray in ornamentals or injury will occur.
2. Do not allow spray containing a non-selective herbicide to contact foliage, stems, green bark, or bare roots of desirable turfgrasses, trees, shrubs, or other desirable vegetation since severe damage or destruction will result. 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: Use rates are provided in the following table when using Quali-Pro® Oxadiazon SC Herbicide in a tank mixture with glyphosate to control existing undesirable vegetation. These rates are intended as general information. Consult the rate sections in individual product labels for detailed information on specific weed species controlled and rates of application.

Tank mixture of Quali-Pro® Oxadiazon SC Herbicide + Glyphosate

Existing Annual and Broadleaf Weeds	Quali-Pro® Oxadiazon SC Herbicide FL. OZ. PER 1000 SQ. FT. (FL. OZ. PER ACRE)	Glyphosate 4 FL. OZ. PER 1000 SQ. FT. (FL. OZ. PER ACRE)
Less than 6" Tall	1.85 (80.6)	0.7 (32)
Greater than 6" Tall	1.85 (80.6)	1.1 (48)
Existing Perennial	1.85 (80.6)	1.5 – 3.7 (64 – 160)

Restrictions for Use of Quali-Pro® Oxadiazon SC Herbicide in Tank Mix Combinations in Ornamental Plantings and Noncropland Areas:

1. Do not apply more than 1.85 fl. oz. per 1000 sq. ft. (80.6 fl. oz. per acre) in a single application or more than 1 application per year.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

PESTICIDE STORAGE: 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 HANDLING:

Nonrefillable Container (five gallons or less): Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container 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 ¼ full with water and recap. Shake for 10 seconds. Pour rinsate 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 recycling or reconditioning, or puncture and dispose of the container in a sanitary landfill, or by incineration; or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Nonrefillable Container (greater than five gallons): Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Offer for recycling or reconditioning, or puncture and dispose of the container in a sanitary landfill, or by incineration; or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Refillable Container: Refillable container. Refill this container with oxadiazon only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

LIMITATION OF WARRANTY AND LIABILITY

Read the entire directions for use, conditions 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 must 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 Makhteshim Agan of North America, Inc. All such risks shall be assumed by the user or buyer.

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