

Product Name: Relzar Arylex active Herbicide
APVMA Approval No: 91049 / 130815



Label Name:	Relzar Arylex active Herbicide
Signal Headings:	CAUTION KEEP OUT OF REACH OF CHILDREN READ SAFETY DIRECTIONS BEFORE OPENING OR USING
Constituent Statements:	200 g/kg HALAUXIFEN as the methyl ester 200 g/kg FLORASULAM
Mode of Action:	GROUP 4 2 HERBICIDE
Statement of Claims:	A wettable granule formulation for post-emergent control of broadleaf weeds in turf, playing fields, golf fairways, racecourses and amenity areas as specified in the Directions for Use.
Net Contents:	100g - 10kg
Restraints:	This section contains file attachment.
Directions for Use:	This section contains file attachment.
Other Limitations:	
Withholding Periods:	

Trade Advice:	
---------------	--

General Instructions:	<p>GENERAL INSTRUCTIONS</p> <p>Relzar® is a foliar herbicide for post-emergence use in turf. It will not control weeds that emerge after treatment. Best results are achieved when herbicide application is made under conditions which favour rapid plant growth. Complete weed death can take up to 8 weeks. Faster results are likely with smaller, actively growing weeds. Weed control may be reduced when the soil remains moist for an extended period following application. Only one application of Relzar® should be made per year.</p> <p>WEED DENSITY:</p> <p>Control may be reduced where weed density is very high and limits spray coverage.</p> <p>WEED GROWTH STAGE:</p> <p>Best results are usually achieved when applied to small weeds that have not been mown.</p> <p>APPLICATION</p> <ul style="list-style-type: none">• Ensure that boom height for broadcast application does not exceed 50 cm above the leaf blades of the turf.• Apply at a volume of 400 to 800 L water/ha. High water volumes should be used for severe weed infestations and turf cut at more than 15 mm height.• Thorough and even spray coverage will result in more consistent control.• Ensure the boom sprayer is calibrated correctly before use. Use spray nozzles that produce a COARSE spray quality. Nozzles should be evenly spaced and of the same type to ensure accurate and even coverage. Check sprayer nozzles during the spraying operation to ensure that the spray pattern is uniform.• Avoid overlapping spray areas as this can increase the potential for transient discolouration of turf grasses.• Avoid application under conditions when uniform coverage cannot be obtained or when spray drift may occur. See 'Spray Drift Restraints' on this label for more information. <p>MIXING</p> <p>Measure the required quantity of granules by weighing on scales or using measuring device.</p> <p>Relzar® granules are highly soluble in water and will dissolve rapidly once added to fast moving water. Maintain agitation at all times.</p> <p>Tank-mixes: The following order should be followed (wait until each formulation is mixed before adding the next one):</p> <ol style="list-style-type: none">1. Quarter fill the spray tank with water while maintaining agitation.2. Add Relzar® granules.3. Add wettable powders, water dispersible granules or suspension concentrates.4. Add other emulsified concentrates5. Fill the spray tank to half full. Then add non-ionic surfactants or Uptake® Spraying Oil. <p>COMPATIBILITY</p> <p>As formulations of other manufacturers' products are beyond the control of Corteva Agriscience, all mixtures should be tested prior to mixing commercial quantities.</p> <p>Adjuvants: Uptake® Spraying Oil used at 500 mL/100 L is the preferred adjuvant for use with Relzar® and is likely to result in improved performance on difficult to wet weeds such as those with hairy surfaces. Not all adjuvants are of equal quality. Consult Corteva Agriscience before selecting any other alternatives.</p> <p>CLEANING SPRAY EQUIPMENT</p> <p>After using Relzar® empty the tank completely and drain the whole system. Thoroughly wash inside the tank using a pressure hose, drain the tank and clean tank, pump, line and nozzle filters.</p>
-----------------------	---

	<p>Partial Cleaning before spraying tolerant turf - Rinse only: After cleaning the tank as above, quarter fill the tank with clean water and circulate through the pump, line, hoses and nozzles. Drain and repeat procedure twice.</p> <p>Complete Cleaning before spraying plants or turf not listed under the "Situation" column in the directions for use – Decontamination: Wash the tank and rinse as above, then quarter fill the tank and add a standard alkali-based laundry detergent at 500 g (or mL) /100 L water and circulate throughout the system for at least 15 minutes. If using a concentrated laundry detergent use 250 g (or mL)/100 L water. Do not use chlorine-based cleaners.</p> <p>Rinse water should be discharged onto a designated disposal area, or if this is unavailable, onto unused land away from desirable plants and their roots and watercourses.</p>
--	---

Resistance Warning:	<p>Relzar® Arylex® active Herbicide contains members of the pyridine carboxylates (pyridines) and triazolopyrimidines-type 1 group of herbicides. The product has the disrupters of plant cell growth (Auxin mimics) and acetolactate synthase (ALS) inhibitor modes of action. For weed resistance management, the product is a Group 4 + Group 2 herbicide. Some naturally occurring weed biotypes resistant to Relzar® and other Group 4 + 2 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 may not be controlled by Relzar® or other Group 4 and Group 2 herbicides. Since the occurrence of resistant weeds is difficult to detect prior to use, Corteva Agriscience Australia Pty Ltd accepts no liability for any losses that may result from the failure of this product to control resistant weeds. Strategies to minimize the risk of herbicide resistance are available. Consult your chemical supplier, consultant or the CropLife website (www.croplifeaustralia.org.au).</p>
---------------------	--

Precautions:	<p>RE-ENTRY DO NOT enter treated area until spray deposit has dried. If prior entry is necessary, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and chemical resistant gloves. Clothing must be laundered after each day's use.</p>
--------------	---

Protections:	<p>PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS Toxic to flora. Avoid applications to areas where product may accumulate under the drip line of trees or where product may come into contact with roots of desirable plants.</p> <p>DO NOT apply or drain or flush equipment on or near native or non-target trees or other plants or on areas where their roots may extend or in locations where the chemical may be washed or moved into contact with their roots.</p> <p>DO NOT use clippings from treated areas for mulch around native or non-target trees, vegetables, fruit trees, ornamental plantings or other plants.</p> <p>PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT Very toxic to aquatic life. DO NOT contaminate wetlands or watercourses with this product or used containers. DO NOT graze treated turf or feed turf clippings from any treated area to poultry or livestock.</p>
--------------	---

Storage and Disposal:	<p>STORAGE AND DISPOSAL</p> <ul style="list-style-type: none"> • Store in the closed, original container in a securely locked, dry, cool, well-ventilated place, out of direct sunlight. • DO NOT store near food, feedstuffs, fertilisers or seed. <p>100g – 1kg pack sizes:</p>
-----------------------	--

	<ul style="list-style-type: none"> • Triple rinse container before disposal. Add rinsings to the spray tank. DO NOT dispose of undiluted chemicals on site. Break, crush, or puncture and deliver empty packaging to an approved waste management facility. If an approved waste management facility is not available, bury the 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. <p>Over 1 kg pack size: This container can be recycled if it is clean, dry, free of visible residues and has the drumMUSTER logo visible. Triple-rinse containers for disposal. Dispose of rinsate by adding to the spray tank. Do not dispose of undiluted chemicals on site. Wash outside of the container and the cap. Store cleaned container in a sheltered place with cap removed. It will then be acceptable for recycling at any drumMUSTER collection or similar container management site. The cap should not be replaced but may be taken separately. If not recycling, break, crush, or puncture and deliver empty packaging to an approved waste management facility. If an approved waste management facility is not available, bury the 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</p>
--	--

Safety Directions:	<ul style="list-style-type: none"> • May irritate the eyes. • Repeated exposure may cause allergic disorders. • Avoid contact with eyes and skin. • When using together with other products consult their safety directions. • When opening the container and preparing the spray wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and elbow-length chemical resistant gloves. Wash hands after use. • After each day's use wash gloves and contaminated clothing.
--------------------	--

First Aid Instructions:	If poisoning occurs, contact a doctor or Poisons Information Centre. Phone: Australia 13 11 26. New Zealand 0800 764 766.
-------------------------	--

First Aid Warnings:	
---------------------	--

RESTRAINTS

DO NOT use in home gardens.

DO NOT apply by aircraft.

Only apply using shielded boom sprayers.

DO NOT apply using spraying equipment carried on the back of the user

DO NOT apply through any type of irrigation system.

DO NOT apply with a nozzle height greater than 50cm from the ground

DO NOT use on newly seeded, sodded or sprigged turf that is not well established.

DO NOT use on turf which may be stressed due to a range of factors including, but not limited to drought or water logging; prolonged or severe frosts; sustained high temperatures; poor nutrition (including deficiency and trace element toxicity); root diseases; or previous herbicide treatment as reduced weed control and / or increased turf injury may result.

DO NOT apply when frosts are imminent

DO NOT use on turf weakened by physical damage due to intensive use or cultural practices (such as scarification, coring, aeration top dressing).

DO NOT mow the area to be treated for 3-4 days prior to and following treatment.

DO NOT apply if rain is likely within three (3) hours or heavy rain is expected within 48 hours.

DO NOT irrigate to the point of field runoff from the treatment area for at least 3 days after application.

DO NOT apply to golf greens

DO NOT apply to any ornamental bed.

SPRAY DRIFT RESTRAINTS

Specific definitions for terms used in this section of the label can be found at apvma.gov.au/spraydrift.

DO NOT allow bystanders to come into contact with the spray cloud.

DO NOT apply in a manner that may cause an unacceptable impact to native vegetation, agricultural crops, landscaped gardens and aquaculture production, or cause contamination of plant or livestock commodities, outside the application site from spray drift. The buffer zones in the relevant buffer zone table below provide guidance but may not be sufficient in all situations. Wherever possible, correctly use application equipment designed to reduce spray drift and apply when the wind direction is away from these sensitive areas.

DO NOT apply unless the wind speed is between 3 and 20 kilometres per hour at the application site during the time of application.

DO NOT apply if there are hazardous surface temperature inversion conditions present at the application site during the time of application. Surface temperature inversion conditions exist most evenings one to two hours before sunset and persist until one to two hours after sunrise. DO NOT apply by a boom sprayer unless the following requirements are met:

- Spray droplets are not smaller than a COARSE spray droplet size category
- Minimum distances between the application site and downwind sensitive areas are observed. (See 'Mandatory buffer zones' section of the following table titled 'Buffer zones for boom sprayers').

Buffer zones for boom sprayers

Note: Maximum allowable boom height above turf is **0.5 metre**

Application rate	Boom height above the target canopy	Mandatory downwind buffer zones		
		Bystander areas	Natural aquatic areas	Vegetation areas
Up to 75 g/ha	0.5 m or lower	0 metres	35 metres	160 metres

DIRECTIONS FOR USE

Table 1 WEEDS CONTROLLED OR SUPPRESSED IN ESTABLISHED TURF

CAUTION: Transient discolouration may occur in some circumstances. Use on the named turfgrasses at recommended rates only. Other varieties have not been tested. Use higher rates for heavier weed infestations.

Always apply with Uptake® Spraying Oil at 500 mL/100 L, or BS-1000 BIO-DEGRADABLE SURFACTANT or Chemwet® 1000 Wetting Agent at 200 mL/100 L . See 'Adjuvants' section in GENERAL INSTRUCTIONS.				
SITUATION	WEEDS CONTROLLED	WEED GROWTH STAGE	RATE (g/ha)	CRITICAL COMMENTS
ESTABLISHED TURFGRASSES AS NAMED Green Couch* (<i>Cynodon dactylon</i>) Kikuyu (<i>Pennisetum clandestinum</i>) Queensland Blue Couch (<i>Digitaria didactyla</i>) Perennial Ryegrass (<i>Lolium perenne</i>) * hybrid cultivars should be tested before application	Bindii (<i>Solvia sessilis</i>)	Seedling up to 5cm across and before seed development	50 g/ha	Best results are achieved when applied to small, fresh weeds. Seed from Bindii treated late in development may be viable for germination in the following year. Control may take 4 to 6 weeks depending on weed growth stage and environmental conditions.
	Deadnettle (<i>Lamium amplexicaule</i>)	Up to the 4-leaf stage and not more than 5 cm high	25 g/ha	
	Flax-leaf fleabane (<i>Conyza bonariensis</i>)	Up to the 4 leaf stage and not more than 6 cm diameter	50 – 75 g/ha	Target smaller plants for better results. Older plants recovering from mowing or previous herbicide treatment, despite being within the size range specified, will only be suppressed
	Fumitory (<i>Fumaria densiflora</i>) (<i>Fumaria bastardii</i>)	Up to 6 cm high	25 g/ha	
	Mexican poppy (<i>Argemone mexicana</i>)	Up to 4 leaf and not more than 10 cm diameter	25 g/ha	
	Small-flowered mallow (<i>Malva parviflora</i>)		25 g/ha	Good control of seedlings can generally be expected. Older plants recovering from mowing or previous herbicide treatment, despite being within the size range specified, will only be suppressed.

	Subterranean clover (<i>Trifolium subterraneum</i>)	Up to 6 leaf and 6 cm diameter	25 g/ha	
	White Clover (<i>Trifolium repens</i>)	Seedling to mature plants	50 – 75 g/ha	Control may take 4 to 6 weeks depending on weed growth stage and environmental conditions.
	SUPPRESSION ONLY			
	Medic (<i>Medicago spp</i>)	Up to the 6-leaf stage and not more than 10 cm diameter	50 g/ha	
	Creeping Oxalis (<i>Oxalis corniculata</i>)	Up to 6 leaf	50 – 75 g/ha	Oxalis suppression will limit weed growth for a period of time, however it will not provide full control
	Toadrush (<i>Juncus bufonius</i>)	Up to the 4-leaf stage and not more than 3 cm high	50 g/ha	Better results are likely on smaller plants and lighter populations. Final suppression may be reduced when there are extended periods of soil wetness following herbicide application.

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