

Product Name: Gowan Avadex Herbicide
APVMA Approval No: 91634 / 132918



Label Name:	Gowan Avadex Herbicide
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Signal Headings:	CAUTION KEEP OUT OF REACH OF CHILDREN READ SAFETY DIRECTIONS BEFORE OPENING OR USING
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Constituent Statements:	ACTIVE CONSTITUENT: 500 g/L TRIALLATE SOLVENT: 471 g/L LIQUID HYDROCARBON
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Mode of Action:	GROUP 15 HERBICIDE
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Statement of Claims:	For the control of Wild oats in Wheat, Triticale, Chickpeas, Barley, Peas, Linseed, Lupins, Canola (Rapeseed), Faba beans, Safflower and Mustard (oilseed cultivars, Brassica juncea) and Ryegrass in Oil Seed Poppy as per the Directions for Use
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Net Contents:	20L - 1000L
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Restraints:	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. 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
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	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.
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Directions for Use:	This section contains file attachment.
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Other Limitations:	
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Withholding Periods:	<p>WITHHOLDING PERIOD - HARVEST NOT REQUIRED when used as directed.</p> <p>WITHHOLDING PERIOD-GRAZING Cereal forage: DO NOT graze or cut for stockfood for 11 weeks after application. Oilseed forage: DO NOT graze or cut for stockfood for 13 weeks after application. Pulse forage: DO NOT graze or cut for stockfood for 13 weeks after application. Oil seed poppy: DO NOT graze or cut for stock food.</p>
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Trade Advice:	
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General Instructions:	This section contains file attachment.
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Resistance Warning:	<p>RESISTANT WEEDS WARNING</p> <p>GROUP 15 HERBICIDE</p> <p>GOWAN AVADEX HERBICDE is a member of the thiocarbamate group of herbicides. GOWAN AVADEX HERBICDE has the inhibition of lipid synthesis mode of action. For weed resistance management GOWAN AVADEX HERBICDE is a Group 15 herbicide. Some naturally occurring weed biotypes resistant to GOWAN AVADEX HERBICDE and other inhibitors of lipid synthesis 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 weeds will not be controlled by GOWAN AVADEX HERBICDE or other Group 15 herbicides. Since the occurrence of resistant weeds is difficult to detect prior to use Gowan Crop Protection Australia Pty Ltd accepts no liability for any losses that may result from the failure of GOWAN AVADEX HERBICDE to control resistant weeds.</p>
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Precautions:	
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Protections:	<p>PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS DO NOT apply under weather conditions, or from spraying equipment that may cause spray to drift onto nearby susceptible plants/crops, cropping lands or pastures.</p> <p>PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT Dangerous to fish. DO NOT contaminate dams, streams, rivers with the chemical or used containers.</p>
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Storage and Disposal:	<p>Store in the closed, original container in a dry, cool, well ventilated area out of direct sunlight.</p> <p>FOR NON-REFILLABLE CONTAINERS: Triple-rinse containers before disposal. Add rinsings to spray tank. Do not dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycler or designated collection point. 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> <p>FOR REFILLABLE CONTAINERS: Store in the closed, original container in a dry, cool, well-ventilated area. DO NOT store for prolonged periods in direct sunlight. Empty contents fully into application equipment. Close all valves and return to point of supply for refill or storage.</p>
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Safety Directions:	Harmful if inhaled or swallowed. Will irritate the eyes and skin. Repeated exposure may cause allergic disorders. Do not inhale vapour or spray mist. Avoid contact with eyes and skin. When opening the container and mixing and loading and preparing spray, wear cotton overalls buttoned to the neck and wrist, a washable hat, elbow length PVC gloves, goggles and half face-piece respirator. When using the prepared spray wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and elbow-length PVC gloves. If product on skin, immediately wash area with soap and water. If product in eyes, wash it out immediately with water. Wash hands after use. After each day's use, wash contaminated clothing, gloves, goggles and respirator and if rubber wash with detergent and warm water.
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First Aid Instructions:	If poisoning occurs contact a doctor or Poisons Information Centre. Phone Australia 13 11 26, New Zealand 0800 764 766. If swallowed DO NOT induce vomiting.
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First Aid Warnings:	
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AVADEX

DIRECTIONS FOR USE

Crop	Weeds	States	Rate L/h	Critical Comments
Barley, Triticale, Wheat Chickpeas, Faba beans, Lupins, Peas Linseed, Canola, Mustard (oilseed cultivars, <i>Brassica juncea</i>) Safflower	Wild Oats	All states	1.6L	<p>Apply immediately prior to or up to 3 weeks before sowing to a friable seedbed under conditions, which will allow for the incorporation of the product to a depth of 2 to 4 cm with either a single or double pass of suitable Incorporation equipment (see incorporation). A delay of 1 week between application and planting is recommended for Linseed.</p> <p>COMPLETE AND UNIFORM INCORPORATION OF GOWAN AVADEX HERBICIDE IS ESSENTIAL FOR WEED CONTROL.</p> <p>See GENERAL INSTRUCTIONS for details at incorporation.</p> <p>Gowan Avadex Herbicide may be used in crops undersown with legumes.</p> <p>For shallow-sown legume and oil seed crops, complete incorporation by cultivation to a depth of 5cm must be undertaken before planting.</p> <p>Gowan Avadex Herbicide may be tank mixed with Chlorsulfuron 750 WG and Triasulfuron 750 WG for control of Annual Ryegrass, Paradoxa Grass and certain broadleaf weeds prior to planting of wheat only.</p> <p>Gowan Avadex Herbicide may be tank mixed with Trifluralin 480 EC for control of Annual Ryegrass, Annual Phalaris, Paradoxa Grass, enhanced control of Wild Oats (emerging from top 1cm of seedbed) and Wireweed. Do not apply less than 1 week prior to planting of wheat, barley, triticale and linseed (do not use the tank mix in Qld). Incorporation of this tank mix should be within 4-5 hours of application. Refer to the Trifluralin 480 EC label incorporation details. Read and follow label instructions, restraints, plant-back periods and safety directions for tank mix products.</p>
Oil seed poppy	Ryegrass (<i>Lolium</i> <i>spp</i>)			<p>Make on application by boom-spray or equivalent equipment between sowing and emergence in a spray volume of 150 L/ha.</p> <p>Spray should be incorporated into soil by rainfall or irrigation and NOT by physical means.</p>

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

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GENERAL INSTRUCTIONS

WEED CONTROL

Gowan Avadex Herbicide normally provides 6 to 8 weeks control of wild oats when the seedbed is moist during the emergence of wild oats. Under very dry soil surface (top 2cm) conditions, wild oats may not be controlled. Wild oats may emerge between application and complete incorporation by sowing particularly if harrows provide initial incorporation. Gowan Avadex Herbicide may not control wild oats which have germinated at the time of application and incorporation if the top 2 cm of soil is dry. Gowan Avadex Herbicide will not control emerged wild oats.

CROP SAFETY

Reduced emergence of cereals and linseed may occur if seed is placed in treated soil layer. Do not plant cereal crops at greater than 5 to 7 cm. Over spraying of headlands or corners may result in crop damage. On heavy clay soils, crop thinning may occur in wheel tracks. Environmental conditions which adversely affect emergence or early crop growth, may predispose crops to injury, particularly where tank mixes with other pre-emergence herbicides are used.

Read and follow label directions, restraints, plantback periods and safety directions for tank mix products.

SOIL PERSISTENCE AND FOLLOWING CROPS

Under prolonged and extremely dry conditions Gowan Avadex Herbicide may persist for several months. Damage to field oats and sorghum may occur.

MIXING

Gowan Avadex Herbicide is an oily concentrate that mixes readily with water. Add the required amount of Gowan Avadex Herbicide to half the required amount of water in the spray tank. Mix thoroughly and add the remaining water.

APPLICATION

Apply to soil in friable condition so that uniform incorporation of the product can be achieved to a depth of 2 to 4 cm. The soil should be free of large clods (>75 mm) and should not have crop or weed residue at a level which will interfere with the free flow of soil through planting equipment providing full soil disturbance. Emerged wild oats should be controlled either by prior cultivation/application of a knockdown herbicide or by the tank mixing of a knockdown herbicide with Gowan Avadex Herbicide. Apply Gowan Avadex Herbicide by ground sprayer in 30 to 100 litres of water per hectare using a boomspray fitted with flat fan nozzles. Use spraying pressure of approximately 200- 240kPa. Avoid application under strong and/or gusty wind conditions.
DO NOT apply by aircraft.

INCORPORATION

Two-pass incorporation provides superior weed control to single pass incorporation on heavier textured soils.

- (i) Gowan Avadex Herbicide may be incorporated initially in a suitable cultivated seedbed with either heavy 5 row harrows e.g. Phoenix harrow, or tyned cultivator. Final incorporation with a combine or airseeder/cultivator is essential to provide for maximum weed control. Heavy tyned harrows or a rotary harrow should trail the planter or follow as a separate operation at an angle to the planter to complete incorporation. Ensure that the soil surface is left free of pronounced ridging.

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- (ii) On soils in friable condition, Gowan Avadex Herbicide may be incorporated with the planting operation only up to 24 hours following application onto a dry soil surface or up to 6 hours on moist surface soil. If Gowan Avadex Herbicide has been sprayed on dry soil, and it rains before incorporation is planned, the product must be incorporated within 6 hours to retain its herbicide effectiveness. Planting should be carried out with a combine or airseeder/cultivator that provides full soil disturbance. Heavy tyned harrows or a rotary harrow should trail the planter or follow as a separate operation to complete incorporation. Ensure that the soil surface is free of pronounced ridging.

DO NOT operate incorporation equipment at greater than 5 to 7 cm depth.

Where soil is wet at planting, poor incorporation may result. For shallow-sown legume and oil-seed crops, complete incorporation by cultivation to a depth of 5 cm must be undertaken before planting.

Note that point size should be matched to tyne spacing to avoid uneven incorporation. For example, a wideline seeder with 15 cm tyne spacing should be fitted with unworn 15 cm points. A combine with 9 cm spacing should be fitted with an evenly worn set of 10 cm points. Sweeps or other low profile points may not provide satisfactory incorporation.

COMPATIBILITY

Gowan Avadex Herbicide is compatible with chlorsulfuron 750 WG, triasulfuron 750 WG, trifluralin 480 EC products; also with Roundup CT®, Roundup Dry®, Yield®, Monza®, Roundup Max®, Glyphosate CT®, Credit® and Bonus®, Weedmaster Duo.®