

Product Name: CONQUEST AVALANCHE 750 WG HERBICIDE
APVMA Approval No: 59030/120208



Label Name:	CONQUEST AVALANCHE 750 WG HERBICIDE
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Signal Headings:	POISON KEEP OUT OF REACH OF CHILDREN READ SAFETY DIRECTIONS BEFORE OPENING OR USING
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Constituent Statements:	750 g/kg METRIBUZIN
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Mode of Action:	GROUP C HERBICIDE
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Statement of Claims:	For selective weed control in cereals, pastures and other crops, including vegetables as indicated in the Directions for Use.
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Net Contents:	10kg 5kg
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Restrains:	<p>RESTRAINTS: DO NOT apply to crops that are stressed by any cause (such as severe weather conditions, waterlogging, drought, excessive soil acidity, or alkalinity, poor nutrient status, disease, nematodes or insect damage) as crop injury may result.</p> <p>Wheat: For pre-emergent applications use ONLY on 'Recognised Metribuzin Tolerant Varieties' such as Blade and EGA Eagle Rock. Damage may and will occur on non tolerant varieties or on varieties not claimed to have metribuzin tolerance.</p> <p>Barely: DO NOT apply to crops grown on sandy soils or soils low in organic matter. DO NOT apply to Harrington or Morrell varieties.</p> <p>Peas (field & green): DO NOT apply to Laura, Pennant or White Brunswick varieties as phytotoxicity may occur. DO NOT apply any later than the one node stage to Alma and Dinkum peas. DO NOT spray pea crops in soils or areas where collar or stem rot is likely to occur.</p> <p>Potatoes:</p>
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	<p>DO NOT apply to crops grown on sandy soils as injury to the crop may result appearing as a chlorosis or minor necrosis.</p> <p>DO NOT apply to Kurell potatoes as phytotoxicity may occur.</p> <p>DO NOT apply to Atlantic and Pontiac varieties – WA only.</p> <p>DO NOT use on dry-grown non-irrigated crops.</p> <p>Soybeans:</p> <p>DO NOT use on varieties Cannapolis, Hill & Semstar as crop injury may occur.</p> <p>DO NOT use on soils with a calcareous surface layer as crop injury may occur.</p> <p>DO NOT apply over atrazine residues as crop injury may result.</p> <p>DO NOT apply in combination with soil applied organophosphate insecticides as crop injury may result.</p> <p>DO NOT apply to soils with less than 0.5% organic matter as crop injury may result.</p> <p>DO NOT apply to dryland soybeans.</p> <p>DO NOT apply to soils of pH greater than 8, which are prone to water logging as crop injury may occur.</p> <p>Lupins:</p> <p>DO NOT apply to varieties Danja, Kiev Mutant or Albus Lupins.</p> <p>DO NOT apply to lupin crops that have received 2.5 litres or more of simazine pre-seeding, or lupin crops that are showing symptoms of Simazine or atrazine damage.</p>
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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>TOMATOES DO NOT APPLY LATER THAN 21 DAYS BEFORE HARVEST</p> <p>BARLEY DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 14 DAYS AFTER APPLICATION</p> <p>OTHER CROPS NOT REQUIRED WHEN USED AS DIRECTED</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>Conquest Avalanche 750 WG Herbicide is a member of the triazinones group of herbicides. Conquest Avalanche 750 WG Herbicide has the inhibitor of photosynthesis at photosystem II mode of action. For weed resistance management Conquest Avalanche 750 WG Herbicide is a group C herbicide.</p> <p>Some naturally occurring weed biotypes resistant to Conquest Avalanche 750 WG Herbicide and other group C herbicides may exist through normal genetic variability in 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 Conquest Avalanche 750 WG Herbicide or other group C herbicides.</p> <p>DO NOT make more than one application of a Group C Herbicide to a crop in the same season, either pre-sowing, incorporated by sowing or post crop and weed emergence. If the user suspects that a Group C Herbicide resistant weed is present, Conquest Avalanche 750 WG Herbicide or other Group C herbicides should not be used</p> <p>Since the occurrence of resistant weeds is difficult to detect prior to use, Conquest Crop Protection Pty Ltd accepts no liability for any losses that may result from the failure of Conquest Avalanche 750 WG Herbicide to control resistant weeds. DO NOT however</p>
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	assume resistance without first reviewing the method of application, timing, water quality and weather conditions.
Precautions:	
Protections:	<p>PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS DO NOT apply (except as recommended for crop use) or drain or flush equipment on or near desirable 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, as injury or loss may occur.</p> <p>DO NOT apply under meteorological conditions or from spraying equipment which could be expected to cause spray to drift onto nearby susceptible plants, adjacent crops, crop lands or pastures.</p> <p>DO NOT plant treated areas to sensitive crops such as brassicas, sunflowers, beetroot, cucurbits, lettuce or onions for at least 6 months following application of Conquest Avalanche 750 WG Herbicide as crop injury may result. Thoroughly work the soil prior to planting of these crops.</p> <p>TOMATOES DO NOT plant follow-on crops of cucurbits or capsicums when applying Conquest Avalanche 750 WG Herbicide to autumn plantings.</p> <p>PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT DO NOT contaminate streams, rivers or waterways with the chemical or used containers.</p>
Storage and Disposal:	<p>Keep out of reach of children. Store in the closed, original container in a dry, well-ventilated area, as cool as possible but out of direct sunlight. Keep from contact with fertilisers, insecticides, fungicides and seeds.</p> <p>Shake and empty contents into 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>
Safety Directions:	Harmful if swallowed. May irritate the eyes and skin. Avoid contact with eyes and skin. Do not inhale dust or spray mist. Wash hands after use.
First Aid Instructions:	If poisoning occurs, contact a Doctor or Poisons Information Centre (Phone Australia: 13 11 26).
First Aid Warnings:	

DIRECTIONS FOR USE :

CROPS	WEEDS CONTROLLED	STATE	RATE	CRITICAL COMMENTS
Barley	<p>Capeweed, Catsear, Charlock, Chickweed, Common Cotula, Corn Gromwell (Sheepweed, White ironweed), Corn Spurry, Creeping Speedwell, Crown beard (Dogweed), Deadnettle (Henbit, Lamium spp.), Dock seedlings, Fat-hen, Field Madder, Fumitory, Hare's Ear (Treacle Mustard), Heliotrope, Hogweed (Wireweed), Horehound, Indian Hedge Mustard, Lesser Swinecress, Mouse-ear Chickweed, Mountain Sorrel (Purple Calandrinia), Rough Poppy, Scarlet Pimpernel, Scrub Nettle (Stinging Nettle), Shepherd's Purse, Sorrel seedlings, Sow Thistle, Spiny Emex (Doublegee, Three Cornered Jack(s), Storksbill, Toad Rush, Wild Radish, Wild Turnip, Winter Grass, Yellow Burweed.</p>	Vic and Tas only	<p>180g (Light sandy soils, i.e. sandy loams to loamy sands)</p> <p>280g (Medium soils, loams, silt plus clay 40-60%)</p> <p>380g (Heavy soils, clay loams, silt plus clay over 60%)</p>	<p>Apply to moist soil while weeds are young and actively growing and barley plants are at the 5-leaf stage.</p> <p>DO NOT use on barley grown on alkaline light sandy soils with a pH over 7.</p> <p>DO NOT use on barley grown on light sandy soils (TAS).</p>
	Buxbaum's Speedwell, Powell's Amaranth, Stagger weed, Sun Spurge, Great Brome	Tas only		
Barley All varieties except Morrell	Cape weed, Common Cotula, Fumitory, Indian Hedge Mustard, Hogweed (Wireweed), spiny Emex (Doublegee, Three Cornered jacks(s)), Toad Rush, Wild Radish, Wild Turnip, Broome Grass (Bromus diandrus, B. rigidus), Annual Ryegrass, Barley grass	WA only Sandy or Sandy loam soils	135-140g plus trifluralin 480 @ 1L/ha and incorporated by sowing (IBS)	<p>DO NOT use for Morrell Barley. Use the lower rate for lighter soil and increase for loam soils. Best results in moist soils. Sow below herbicide depth in high weed burdens (>100/m) there may be reduced efficacy. Crop safety is improved and weed control more reliable when IBS and trailing harrows are used.</p> <p>Ensure Conquest Avalanche 750 WG Herbicide is fully dispersed in the spray tank prior to trifluralin 480 addition. Refer to the application section of this and the trifluralin 480 label for complete instructions on the product use.</p>
Chick Peas, Faba Beans, Lentils, Vetch	Refer to Barley Section	WA, SA & VIC only	<p>180g Light soils (Light sand to light sandy loams)</p> <p>280g Medium soils (Loams, silt plus clay 40-60%)</p> <p>380g Heavy soil (clay loams, silt plus clay over 60%)</p>	<p>Crop: Apply post sowing, pre-emergence at least 5cm deep. DO NOT apply post-emergence as crop injury will occur.</p> <p>Weeds: Weeds should be from pre-emergence to 3-leaf stage except Wireweed (Hogweed), which should not be beyond the cotyledon stage. Best results for grass and Wireweed control are obtained when rain or irrigation follows within a few days of spraying.</p>

CROPS	WEEDS CONTROLLED	STATE	RATE	CRITICAL COMMENTS
Lupins	Capeweed, Doublegee, Wild Radish	WA only	100-150g plus 100mL Conquest Defcon	For use on varieties Gungurru, Meritt, Myallie and Kalya only. DO NOT use on Danja, Kiev Mutant or Albus lupins. Suppression of larger Doublegee only. Wild Radish weed sizes up to 250 mm only. Apply to actively growing Lupins from the 3-4 leaf stage onwards. Use higher rates for heavy weed burden and larger weed size. Apply before weeds are covered by crop canopy. Do not apply wetting agents or spray oils with this mixture. Some transient leaf burn may occur after application but will not affect yield. Best results are obtained if good soil moisture exists at, and received soon after application. Results may be less effective south of the Great Eastern Highway. Refer to critical comments section on the Conquest Defcon label.
Peas (Field and Green) (NOT Snow Peas)	Refer to Barley section Plus: Buchan weed, Ball Mustard, Fog grass (SA only), Dwarf Nettle (Tas only). Suppression only: Subclover and Docks (Broadleaved Dock – Tas Only), Wild Oats	NSW, VIC, SA & Tas only	180g (Light sandy soils, i.e. Mallee soils) 280g (Medium soils-loams, silt plus clay 40-60%) 380g (Heavy soil, clayloams, silt plus clay 60%) 470g (Koo-wee-rup swamp and volcanic soils)	Crop: Sow crop 3-4cm deep. Apply after rain when crop is pre-emergence to 3-node stage. For pre-emergence application allow soil to settle for 2-3 days after sowing before spraying. For post-emergence apply to moist soil within 6 weeks of sowing while weeds are young and actively growing. DO NOT spray crops affected with collar or stem rot. Weeds: Weeds should be from pre-emergence to 3-leaf stage except Wireweed (Hogweed), which should not be beyond the cotyledon stage. Best results for grass and Wireweed control are obtained when rain or irrigation follows within a few days of spraying.
		Qld only	470g	Apply to medium soils.
			700g	Apply to soils high in clay or organic matter content where grass weeds are a problem.
Green Peas (Post-emergence) (NOT Snow Peas)	Refer to Barley section Plus: Buchan weed, Ball Mustard, Fog grass (SA only), Dwarf Nettle (Tas only).	WA only	370-470g	Refer to Critical Comments for Peas (Field and Green)
Potatoes	Suppression only: Subclover and Docks (Broadleaved Dock – Tas Only), Wild Oats	ACT, NSW, VIC, SA, TAS & WA only	470g	Apply after rain or irrigation when crop has no more than 6 leaves or is no more than 10cm high (many plants may be smaller). CROPS HILLED OR MOULDED UP – hill or mould up as the crop emerges. Apply 1-4 weeks later as soon as weed seedlings have emerged. If surface crusting is not a problem no further cultivation should be necessary. CROPS NOT HILLED AT OR SOON AFTER PLANTING – spray when weed seedlings have emerged. No cultivation should be necessary until crop is ready for final hilling. Additional cultivation may be necessary when surface crusting is a problem.
		VIC, Bellarine Peninsula only	700g	Where summer grasses are a problem.
			280-370g	Apply to winter crops on light soils only.

CROPS	WEEDS CONTROLLED	STATE	RATE	CRITICAL COMMENTS
Potatoes	Refer to Barley section Plus: Buchan weed, Ball Mustard, Fog grass (SA only), Dwarf Nettle (Tas only).	Qld only (Winter Crop)	470g	Apply at first emergence of potatoes to control broadleaved weeds.
		Sth Qld only (Summer Crop)	470-950g	Where summer grasses such as <i>Echinochloa crus-galli</i> , <i>Eleusine</i> , <i>Digitaria</i> and <i>Panicum</i> spp. are a problem.
	Suppression only: Subclover and Docks (Broadleaved Dock – Tas Only), Wild Oats	Qld only Atherton Tablelands	950g	Apply to summer crops at first emergence of potatoes to control broadleaved weeds and more troublesome grasses such as <i>Eleusine</i> , <i>Digitaria</i> and <i>Panicum</i> spp.
Irrigated Soybeans	Apple-of-Peru, Cobble's Pegs, Pigweed, Noogoora burr, Common Thornapple, summer grass, Caltrop	ACT, NSW, NT only	500g	Apply pre-plant incorporated. Where grass weeds other than Summer grass are a problem apply in combination with recommended rates of trifluralin 480 (Refer to trifluralin 480 label for Directions of Use and incorporation techniques). Use only on soils classified as silty clay-heavy clay.
Irrigated Soybeans (Variety Davis only)	Refer to weeds listed for soybeans plus Anoda weed, Awnless Barnyard grass. Suppression only of Bellvine.	Qld, NT only	750g	
Tomatoes Inter-row spaces of furrow irrigated tomatoes	Refer to Pea section plus: Barnyard grass, Summer grass, Crowsfoot grass, Blackberry Nightshade, Pigweed, Black Pigweed, Bull's head Green Summer grass	Qld, NT only	950g or 9.5g/100m of row	Apply in a 1-metre band centered on the inter-row either during or shortly after the formation of the final furrow. Apply to soil moist at the surface. DO NOT exceed spraying pressures of 200kPa, as excessive drift will occur.
Wheat (Recognised Metribuzin tolerant varieties only eg Blade & Eagle Rock)	Capeweed, Common Cotula, Doublegee, (Three Corned Jack), Fumitory, Indian Hedge Mustard, Toad Rush, Wild Turnip, Wild Radish, Wireweed.	WA – Great northern region only. Sandy – Sandy loam soils	200g and incorporated by sowing (IBS)	Conquest Avalanche 750 WG Herbicide has increased crop safety and gives more reliable weed control when incorporated by sowing and trailing harrows. Apply to moist soil for best efficacy. Reduced grass control may occur under high weed burdens (>100/m ²) To achieve good control of Annual Ryegrass and Barley grass, add Trifluralin 480 at 1L/Ha.
Pre-plant, incorporated by sowing application	Suppression of Broome Grass (<i>Bromus diandrus</i> , <i>B. rigidus</i>) Suppression of Annual Ryegrass, Barley grass (refer to critical comments)		200g plus Trifluralin 480 at 1 L/Ha	Ensure Conquest Avalanche 750 WG Herbicide is fully dispersed in the boom spray tank prior to the addition of the Trifluralin 480. Refer to the application section of this and the Trifluralin 480 label for complete instructions on the product use.

CROPS	WEEDS CONTROLLED	STATE	RATE	CRITICAL COMMENTS
Wheat & Barley	Toad Rush	ACT, VIC, NSW & SA only	100 g/ha	Toad Rush should be sprayed at the 2-4 leaf stage for optimum control. Spray when soil moisture plentiful and soil is moist to the surface. Take advantage of dew on the soil surface.
Oats		VIC only		
White Lupins	Buchan weed, Capeweed, Charlock, Chickweed, Deadnettle (<i>Lamium</i> spp.), Fathen, Fumitory (Common and Wall Fumitory – Tas), Wireweed (Hogweed), Lesser Swinecress, Purple Calandrinia, Scarlet Pimpernel, Spiny Emex, Corn Spurry (Spurry – Tas), Stinging Nettle (Dwarf Nettle – Tas), Toad Rush, Winter grass, Heliotrope, Wild Radish, Wild Oats, Wild Turnip. Suppression only: Subclover and docks (Broadleaved dock – Tas).	Tas only	400g	Spring application – Apply after sowing but before crop emerges.

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

GENERAL INSTRUCTIONS

Conquest Avalanche 750 WG Herbicide is non-corrosive to equipment, non-flammable and non-volatile. The degree of weed control and duration of effect will vary with the amount of Conquest Avalanche 750 WG Herbicide applied, soil texture, rainfall and other conditions.

MIXING

Conquest Avalanche 750 WG Herbicide is to be mixed with water and applied as a spray. Before spraying calibrate equipment to determine the quantity of water necessary to uniformly cover the measured area to be treated. Partially fill the tank with water. Measure the amount of herbicide required for the area to be sprayed, adding this amount of Conquest Avalanche 750 WG Herbicide to the spray tank with the agitation system engaged. Top up to the correct volume with water.

The material must be kept in suspension at all times by continuous agitation.

In tank mixes Conquest Avalanche 750 WG Herbicide must be in suspension before adding the companion herbicide or liquid fertiliser.

PRE-PLANTING INCORPORATED TREATMENT:

Conquest Avalanche 750 WG Herbicide + trifluralin 480.

Add Conquest Avalanche 750 WG Herbicide to water in spray tank with agitator running as above. Maintain agitation then add trifluralin 480 at the recommended rates (refer to trifluralin 480 label).

APPLICATION

General: Best results are obtained if treatment is made to moist soil and moisture is supplied by rainfall or sprinkler irrigation (6-12mm) within 2 weeks after application. If heavy rains occur soon after application, injury to the crop may result.

Aerial Application – (Qld only)

Peas – apply in a minimum of 20 litres water per hectare.

Potatoes – apply in minimum of 50 litres water per hectare. Avoid overlapping of spray swath. Avoid spraying in still conditions and in wind likely to cause drift.

Pre-emergence and Post-emergence (To Crop)

Conquest Avalanche 750 WG Herbicide should be applied when weeds are in the young seedling state (no more than 3 true leaves). Under dry conditions there is no root uptake of Conquest Avalanche 750 WG Herbicide and results against grass weeds and Wireweed (Hogweed) will be poor. Except for small areas, use fixed boom power sprayers set at 200-300kPa (for tomatoes do not exceed 200kPa) and fitted with fan nozzles. Apply a minimum of 80-100L prepared spray/ha. Openings in screens should be equal to or larger than 50 mesh.

Agitate by mechanical or hydraulic means in the spray tank. When spraying avoid overlapping. Shut off spray booms while starting, turning, slowing and stopping otherwise crop injury may result.

Pre-plant incorporated - Soybeans only

Conquest Avalanche 750 WG Herbicide alone or in combination with trifluralin 480

Spray anytime from 4 weeks before sowing until just before sowing. Use fixed boom power sprayers set at 200-300kPa and fitted with fan nozzles. Use 120-500 litres water per hectare. Openings in screens should be equal to or larger than 50 mesh. Agitate by mechanical or hydraulic means in the spray tank. When spraying avoid overlapping. Shut off spray booms while starting, turning, slowing and stopping otherwise crop injury may result.

Conquest Avalanche 750 WG Herbicide alone

If possible spray and incorporate within the same operation. If not possible incorporate spray within 24 hours of application using Go-devil discs or Lilliston Cultivators set to work 5cm deep.

Conquest Avalanche 750 WG Herbicide plus trifluralin 480

After spraying mix into soil within 4 hours. Spray and incorporate during the one operation if possible. (Refer to trifluralin 480 label for specific incorporation details).

SPRAYER CLEANUP

Thoroughly clean all traces of Conquest Avalanche 750 WG Herbicide and/or trifluralin 480 from application equipment immediately after use. Flush tank, pump, hoses and boom with several changes of water after removing nozzle tips and screens (clean these parts separately).

COMPATIBILITY

Conquest Avalanche 750 WG Herbicide is compatible with the herbicides – chlorsulfuron, Metsulfuron-methyl, glyphosate, pendimethalin, propargite, diflufenican and trifluralin 480.