

Product Name: AC THWACK HERBICIDE  
APVMA Approval No: 64857/141842



Label Name:	AC THWACK 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:	745 g/L FLUPROPANATE PRESENT AS THE SODIUM SALT
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Mode of Action:	GROUP 0 HERBICIDE
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Statement of Claims:	For the control of certain grasses in crops as per Directions for Use table.
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Net Contents:	1L - 20 L
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Restrains:	<p><b>RESTRAINTS:</b> DO NOT apply the product to steeply sloping sites when applying high rates recommended for perennial grass control. DO NOT allow spray drift onto susceptible crops and ornamentals. DO NOT spray near desirable trees.</p> <p><b>SPRAY DRIFT RESTRAINTS</b> Specific definitions for terms used in this section of the label can be found at <a href="http://apvma.gov.au/spraydrift">apvma.gov.au/spraydrift</a> 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.</p>
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	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.
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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><b>WITHHOLDING PERIODS:</b></p> <p>There are two withholding periods (WHP's), which apply one after the other for this chemical, and both must be observed. The first, the grazing and cutting WHP, depends on the type of spraying used.</p> <p>Stock which have been grazed in treated areas after the grazing and cutting WHP has passed must then be moved to untreated areas or fed on clean feed for at least 14 days before slaughter. The requirement for moving animals from treated to untreated areas, or feeding them with clean feed for at least 14 days before animals are sent to slaughter, applies permanently to treated areas, whether spot sprayed or sprayed in some other way.</p> <p>Spot Spraying: Spot spray treatment is the direct hand spraying of individual plants in an area with no spraying of any surrounding areas. Do NOT graze or cut for stock feed, areas which have received spot treatment, for at least 14 days after spraying: Do not graze stock in treated areas for at least 14 days prior to slaughter.</p> <p>Blanket treatment (treatment other than spot-spraying): DO NOT graze treated areas or cut for stockfeed for 4 months after application. Do not graze stock in treated areas for at least 14 days prior to slaughter.</p> <p>Lactating animals producing milk for human consumption MUST NOT be grazed in treated areas.</p>
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Trade Advice:	
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General Instructions:	<p><b>GENERAL INSTRUCTIONS:</b></p> <p>Important</p> <ul style="list-style-type: none"> <li>• This product is very slow acting and control of existing growth will take 3-12 months depending on weather conditions and senescence of plant foliage. The actual length of satisfactory residual control will depend on soil type and rainfall until regeneration occurs from grass seed or surviving rhizomes.</li> <li>• AC Thwack Herbicide is liable to leaching and movement in the soil under heavy rainfall or irrigation, and dry conditions favour its persistence in the soil.</li> <li>• Avoid use in channels and drains and where roots of desirable plants may extend; and in other situations where desirable plants grow close to the treated area.</li> <li>• Control of grasses growing in shaded conditions may be reduced.</li> </ul> <ul style="list-style-type: none"> <li>• Subterranean clover and other annual legumes may be damaged by this product if exposed to the spray or if they germinate before product residues have dissipated from the soil. Do not treat pasture land with this product more than once per year.</li> </ul> <p>MIXING</p>
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This product is highly soluble in water and the required amount can be added direct to the spray tank while stirring or with the agitator running. When used in mixtures with dispersible powders, first make a slurry of the powder in a small quantity of water, add this to the half filled spray tank with the agitator running, and then add the required quantity of product and continue filling until the spray tank is full. Good agitation must be maintained during the spraying operation.

#### WETTING AGENT

Addition of 100mL of a non-ionic surfactant (600 g/L) per 100 litres of spray is recommended.

#### COMPATIBILITY

This product may be mixed with Glyphosate to improve knockdown of existing vegetation.

#### APPLICATION

Boom spray equipment should be carefully calibrated to deliver the required volume of spray and checked to see that the nozzles are delivering a uniform spray pattern.

#### PADDOCK PREPARATION

Graze to reduce cover of desirable species for spraying.

#### RE-SEEDING

Desirable pasture species such as phalaris, cocksfoot, ryegrass, red and white clovers, subterranean clovers and lucerne may be sown after at least 100mm of leaching rain has fallen. If drought conditions prevail defer sowing until next season.

#### CLEAN UP

Equipment should be cleaned after use.

#### Resistance Warning:

#### RESISTANT WEEDS WARNING GROUP 0 HERBICIDE

AC Thwack Herbicide is a member of the chlorocarbonic acids group of herbicides. The product has an unknown mode of action. For weed resistance management, the product is a Group 0 herbicide. Some naturally occurring weed biotypes resistant to the product and other Group 0 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 will not be controlled by this product or other Group 0 herbicides. Since the occurrence of resistant weeds is difficult to detect prior to use, Axichem Pty Ltd accepts no liability for any losses that may result from the failure of this product to control resistant weeds.

#### Precautions:

#### Protections:

#### 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.

#### PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

DO NOT contaminate streams, rivers or watercourses with the chemicals or used containers.

#### Storage and Disposal:

Store in the closed original container in a cool, well ventilated area. Do not store for prolonged periods in direct sunlight.

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.

**Safety Directions:**

Avoid contact with eyes and skin. Do not inhale spray mist. When preparing the spray wear elbow-length PVC gloves and face shield or goggles. If product on skin, immediately wash area with soap and water. After use and before eating, drinking or smoking, wash hands arms and face thoroughly with soap and water. After each day's use, wash gloves and face shield or goggles and contaminated clothing.

**First Aid Instructions:**

If poisoning occurs contact a doctor or Poisons Information Centre (Phone Australia 131 126, New Zealand 0800 764 766). If skin contact occurs, remove contaminated clothing and wash skin thoroughly.

**First Aid Warnings:**

**DIRECTIONS FOR USE:**

Crop/ Situation	Weeds Controlled	State	Rate			Critical Comments	
			Ground per ha	Air per ha	Spot spraying per 100L		
Industrial Use	Paspalum ( <i>Paspalum dilatatum</i> )	Tas, WA, SA and Vic only	9L	-	500mL	Apply to existing growth during November to February inclusive. Apply the recommended rate of AC Thwack Herbicide in 800-2000L of water per ha. Ensure that the spray completely wets all leaf surfaces. <b>Spot spraying:</b> spray thoroughly to ensure run-off.	
	Kikuyu grass ( <i>Pennisetum clandestinum</i> )						
	Couch ( <i>Cynodon dactylon</i> )						
	African Feathergrass ( <i>Pennisetum macrourum</i> )	Tas, WA only	9L	-	-		
Pastures and non-crop situations	Serrated Tussock ( <i>Nassella trichotoma</i> )	Vic and Tas only	2L	2L	200mL	<p>Apply during November to February inclusive. Graze to reduce cover of desirable pasture species such as Phalaris, cocks foot, ryegrass, red and white clovers, subterranean clovers and lucerne must not be sown until at least 100mm of leaching rain has fallen. If drought conditions prevail defer sowing until next season.</p> <p>Spot Spraying: Spray to run-off at anytime from spring through to autumn but observe above precautions on re-seeding.</p> <p>Application Volume: Pastures Aerial: 40-80L water per ha  Ground Boom Spray: 150L water per hectare  Spot Spraying: NSW, ACT and Qld: 1000L/ha or for a 15L knapsack treat 150m<sup>2</sup></p>	
		Qld, NSW and ACT only	2L	2L	200mL		
	Parramatta grass ( <i>Sporobolus</i> spp.)				Apply September to May inclusive (See Note below)		
	African love grass ( <i>Eragrostis curvula</i> )	NSW, ACT only	3L	-	300mL		Apply December to February inclusive.
		Vic only					Apply July to December
	Rats Tail Grasses ( <i>Sporobolus</i> spp)	Qld only	2L	-	200mL		Apply July to December inclusive. All other Critical Comments as for Serrated Tussock (Vic)
					Spray to run-off		

Crop/ Situation	Weeds Controlled	State	Rate			Critical Comments
			Ground per ha	Air per ha	Spot spraying per 100L	
Non-Crop Situations	Paspalum ( <i>Paspalum dilatatum</i> )	Qld, NSW, ACT only	9L	500mL	75mL	For optimum results apply during active growth, preferably from November to April. Apply in 800- 2000L water per ha. Spray must completely wet all surfaces. The addition of wetting agent is recommended. <b>Johnson grass:</b> Spray when actively growing and not less than 30-50cm high. Use 12L in winter rainfall areas when rainfall is below 80cm per annum. Use 18-22L in summer rainfall areas or where rainfall exceeds 80cm per annum. Follow up spraying may be required in following season. <b>Spot Spraying:</b> Spray thoroughly to run-off with the recommended dilution rates.
	Couch ( <i>Cynodon dactylon</i> )					
	Johnson Grass ( <i>Sorghum halepense</i> )					
	Kikuyu grass ( <i>Pennisetum clandestinum</i> )	Qld only	9L	500mL	75mL	
	Columbus Grass ( <i>Sorghum almum</i> )	NSW, ACT only	12-22L	1L	200mL	

Note: The optimum timing of AC Thwack Herbicide application to avoid damage to desirable pasture species and/or to allow AC Thwack Herbicide residues to be leached from the soil prior to autumn re-seeding is the period November to February inclusive. Precautions on re-seeding and protection of pasture legumes must be observed.

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