

**POISON**  
**KEEP OUT OF REACH OF CHILDREN**  
**READ SAFETY DIRECTIONS BEFORE OPENING OR USING**

# **AC SHREDDER**

## **Herbicide**

**ACTIVE CONSTITUENTS:** 200g/L TRICLOPYR present as the TRIETHYLAMINE SALT  
100g/L PICLORAM present as TRIISOPROPANOLAMINE SALT

<b>GROUP</b>	<b>I</b>	<b>HERBICIDE</b>
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**For control of unwanted timber by stem injection or cut stump/brush cutter application and control of blackberry, gorse and harrisia cactus by foliage spray as specified in the Directions for Use.**

**IMPORTANT: READ THE ATTACHED LEAFLET BEFORE USING THIS PRODUCT**

**CONTENTS: 5L, 10L, 20L**

**AXICHEM PTY LIMITED**

**7 PALM AVENUE  
SHORNCLIFFE QLD 4017  
Ph: (07) 3269 7437 Fax: (07) 3869 2741**

Batch No:  
Date of Manufacture:  
APVMA Approval No: 69444/60810



## **STORAGE AND DISPOSAL**

Store in the closed, original container in a cool, well-ventilated area. DO NOT store for prolonged periods in direct sunlight. DO NOT store near feedstuffs, fertilisers or seed, insecticides, fungicides or other pesticides.

This container can be recycled if it is clean, dry, free of visible residues and has the drumMUSTER logo visible. Triple or preferably pressure rinse containers before disposal. Add rinsings 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 for appropriate disposal 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 and product.

## **SPILL AND LEAK MANAGEMENT**

DO NOT touch or walk through spilled material. Wear a face-shield or goggles, overalls buttoned to the neck and wrist, chemical resistant gloves and footwear. Stop leak when safe to do so. Dam area and prevent entry into waterways and drains.

**Small spills/leaks:** Absorb with material such as sand, soil or sawdust. Collect spilled product and place in sealable container for disposal. Spill residues may be cleaned using water and detergent. Contain and absorb wash water for disposal. Absorb and collect washing and place in the same sealable container for disposal. Dam the area of large spills and report them to Axichem.

## **SAFETY DIRECTIONS**

May irritate the eyes. Avoid contact with eyes and skin. DO NOT inhale spray mist. Repeated exposure may cause allergic disorders. When opening the container, preparing the spray and using the product, wear cotton overalls buttoned to the neck and wrist, elbow-length PVC gloves, washable hat and face shield. 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.

## **FIRST AID**

If poisoning occurs, contact a doctor or Poisons Information Centre. (PHONE AUSTRALIA: 13 1126) If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor.

## **MATERIAL SAFETY DATA SHEET**

For further information refer to Material Safety Data Sheet which can be obtained from the supplier.

## **NOTICE TO BUYER**

Seller warrants that the product conforms to its chemical description and is reasonably fit for the purpose stated on the label when used in accordance with directions under normal conditions of use. No warranty of merchantability for a particular purpose, express or implied, extends to the use of the product contrary to label instructions, or under abnormal conditions.

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<b>GROUP</b>	<b>I</b>	<b>HERBICIDE</b>
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**For control of unwanted timber by stem injection or cut stump/brush cutter application and control of blackberry, gorse and harrisia cactus by foliage spray as specified in the Directions for Use.**

**IMPORTANT: THIS LEAFLET IS PART OF THE LABEL**

**APVMA APPROVAL NO: 69444/60810**

**AXICHEM PTY LIMITED**

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SHORNCLIFFE QLD 4017  
Ph: (07) 3269 7437 Fax: (07) 3869 2741

**DIRECTIONS FOR USE:****RESTRAINTS:**

- DO NOT treat trees with poor sap flow.
- DO NOT apply to plants which may be stressed (not actively growing) due to prolonged periods of extreme cold, moisture stress (water-logged or drought affected) or previous herbicide treatment, as reduced levels of control may result.
- DO NOT apply close to or on areas containing roots of desirable vegetation, where treated soil may be washed to areas growing, (or to be planted with), desirable plants.
- DO NOT apply on sites where surface water from heavy rain can be expected to run off to areas containing or to be planted to susceptible crops or plants.
- DO NOT move soil, which has been sprayed, to areas where desirable plants are to be grown.
- DO NOT burn treated areas for 9 months after application or mechanically clear treated areas for at least 12 months after application.
- For High Volume spraying, DO NOT spray if rain is likely within 1 hour or if foliage is wet from rain or dew.

**Table A: Stem Injection Application****DILUTION RATE – Mix 1 part AC Shredder Herbicide with 4 parts water.****See GENERAL INSTRUCTIONS – APPLICATION section for application method details.**

AGRICULTURAL NON-CROP AREAS, COMMERCIAL AND INDUSTRIAL AREAS, FORESTS, PASTURES AND RIGHTS OF WAY.				
WEEDS CONTROLLED	WEED GROWTH SIZE	STATE	RATE/ 10L WATER	CRITICAL COMMENTS
Acacia (except Qld), Angophora, Casuarina, Corymbia, Eucalyptus (except Yellow Box), Lophostemon and Melaleuca species, Campophor Laurel.	Single stems less than 25cm diameter at base (Waist height application)	All States	1 mL of diluted chemical per cut @ 10 to 13 cm centres	<b>NOTE:</b> Control of Acacia, Casuarina and Lophostemon species may be variable. Use ground level application to reduce variability.  DO NOT exceed the spacings shown from the centre of one cut to the centre of the next cut. Inject each stem of a multistem tree where possible. Injection at or near ground level is essential in the Traprock area of south-eastern Queensland and is preferred for optimum results in poplar box areas. In areas where experience has shown that results are variable because species are harder to kill or due to marginal soil and/or climate factors, higher doses may improve control. Contact Axichem for more detail.
	Single stems less than 25cm diameter at base (Ground level application)		1 mL of diluted chemical per cut @ 12 to 15 cm centres	
	Multiple stems or more than 25cm diameter at base (Waist height application)		2 mL of diluted chemical per cut @ 10 to 13 cm centres	
	Multiple stems or more than 25cm diameter at base (Ground level application)		2 mL of diluted chemical per cut @ 12 to 15 cm centres	

**Table B: Cut Stump/Brushcutter Application****See GENERAL INSTRUCTIONS – APPLICATION section for application method details.**

AGRICULTURAL NON-CROP AREAS, COMMERCIAL AND INDUSTRIAL AREAS, FORESTS, PASTURES AND RIGHTS OF WAY.				
WEEDS CONTROLLED	WEED GROWTH SIZE	STATE	RATE/ 10L WATER	CRITICAL COMMENTS
Acacia (except Qld), Angophora, Casuarina, Corymbia, Eucalyptus (except Yellow Box) and Lophostemon species.	Cut stem as close to the ground as possible, leaving stump no higher than 10cm	All States	500mL	<b>NOTE:</b> Control of Acacia, Casuarina and Lophostemon species may be variable. If cut surface is oily add wetting agent (eg BS 1000) for penetration.

**Table C: High Volume Spraying**

See **GENERAL INSTRUCTIONS – APPLICATION** section for application method details.

AGRICULTURAL NON-CROP AREAS, COMMERCIAL AND INDUSTRIAL AREAS, FORESTS, PASTURES AND RIGHTS OF WAY.				
WEEDS CONTROLLED	WEED GROWTH SIZE	STATE	RATE/100L WATER	CRITICAL COMMENTS
Blackberry	Late spring to autumn	All States except NT	500mL	Always add an adjuvant (see Compatibility section for details). Where herbicides other than Group I Herbicides have been used; allow two seasons regrowth to occur before respraying with AC Shredder Herbicide.
Gorse	September to March when actively growing	NSW, VIC, SA & TAS only	375mL	Treat any regrowth in the following season. Use a minimum of 3000-4000L of spray mixture/ha for dense gorse.
Harisia cactus		QLD only	2.5L	Treat all stems thoroughly.

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

#### FOR NATIVE VEGETATION

Use of AC Shredder Herbicide on native vegetation must be done in accordance with STATE and/or LOCAL legislation.

#### WITHHOLDING PERIOD

**NOT REQUIRED WHEN USED AS DIRECTED.**

#### GENERAL INSTRUCTIONS

##### COMPATIBILITY

AC Shredder Herbicide is compatible with the following adjuvants:

Hasten @ 500mL/100L water.

Supercharge @ 500mL/100L water.

Update Spraying oil @ 500mL/100L water

##### MIXING

**Mix only with water. It will not mix with oil or diesel fuel.** Only mix sufficient solution for immediate daily use and avoid storing.

##### A Stem Injection Application

Mix one part AC Shredder Herbicide with 4 parts clean water. Agitate well before commencing work. After use clean equipment thoroughly and rinse several times with water.

##### B High Volume Application

Half fill the spray unit with water and add the required amount of AC Shredder Herbicide. Add the remaining water with the agitator running. If required, then add spray oils or wetters (surfactants). Maintain mechanical or by-pass agitation in the spray tank during spraying.

#### APPLICATION

##### A Stem Injection Application

###### Waist Height Application

- To make an injection pocket at waist height, use a  $\frac{3}{4}$  length axe with a blade width of 5 to 7 cm. The cut for the injection must be through the bark and deep enough to place all the chemical in contact with the sap wood.
- The chemical must be applied immediately after the dose pocket is made. Apply chemical with a Phillips 5 mL vaccinator fitted with a tree injector kit which can be accurately calibrated. Set vaccinator to deliver 1 Ml of herbicide mix.

- When treating regrowth less than the width of the axe, ensure chemical does not run out of the sides of the cut, as reduced control will result. This can be overcome by using the corner of the axe to make the pocket in the stem or treating by cut stump application.

#### **Ground Level Application**

- To make an injection pocket at ground level, use a narrow blade axe, as described for waist height application, or a C.M.B. Engineering Tree Injector designed for this application method.
- When using the Tree Injector, make sure that the pump handle is held in whilst striking the tree, otherwise unnecessary strain will be placed on the pump and valve, and the chemical will be ejected onto the bark. Use injector with groove in blade uppermost. Strike tree, cutting through bark to sapwood. Lower the upper end of the injector to open the cut, then move pump handle out and in to inject the dose. A smooth action will give better results than a quick "snapping" action.
- The chemical must be applied immediately after the dose pocket is made.
- Results similar to high volume spraying can be obtained used Micron Herbi® or similar equipment. Select a nozzle to give a flow rate of 2mL/sec and sweeping action of approximately 1m/sec to ensure a droplet density of 20/cm<sup>2</sup>. Use a marking agent, as recommended by the equipment manufacturers, to check spray coverage. Also, consult directions provided by CDA unit.

#### **B Cut Stump/ Brushcutter Application**

- Stems should be cut less than 10cm above the ground. Remove and treat the surface of any suckers present below the cut surface and ground level.
- Immediately apply AC Shredder Herbicide/water mixture liberally to the freshly cut stump by spraying the cut surface and sides of the stem.
- If cut surface is oily add a 100% non-ionic surfactant (eg: BS- 1000) at 100 mL/100L water to improve penetration.
- When using a brushcutter with a herbicide attachment, read all safety and operating instructions in the brushcutter manual prior to use of the equipment.

#### **C High Volume Spraying**

**Weeds need to be actively growing for herbicides to have optimum effect. In areas that have been bulldozed, slashed, burnt, ploughed or previously treated with chemical, wait until all regrowth has had reached approximately 1 metre in situations before treating.**

- Thorough coverage of foliage to the point of run-off is essential, however, avoid excess spraying which is wasteful of chemical.

#### **Hand Gun (blackberry and gorse)**

- Apply the recommended mix to give full coverage of leaves and stems through a No. 6 to 8 tip at 700 to 1500kPa.
- A spray volume of 3000 to 4000L per infested hectare of 1 to 2 metre high gorse and blackberry (30 to 40L/100m<sup>2</sup>) should be used.

#### **Knapsack (Harrisia cactus)**

- Apply the recommended spray mix to give full coverage of all stems from the crown. Treatment should start from the end of each stem to the centre of the plant, with a fine dose to the plant crown. Complete coverage of every stem is required for adequate control.

### **CLEANING HIGH VOLUME SPRAY EQUIPMENT**

#### **Rinsing**

After using AC Shredder Herbicide, empty spray equipment completely and drain the whole system. Thoroughly wash inside the unit using a pressure hose, if necessary. Drain the spray unit, and clean any filters in the tank, pump, lines, hoses and nozzles. After cleaning the spray unit as above, quarter fill with clean water and circulate through the pump, lines, hoses and nozzles. Drain and repeat the rinsing procedure twice.

### Decontamination

Before spraying cotton and other sensitive crops with equipment that has been used to apply AC Shredder Herbicide, see PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS section.

Wash the tank and rinse the system as above. Then quarter fill the tank and add an alkali detergent (eg. liquid SURF®, OMO®, OMOMATIC®, DRIVE® at 500mL/100L of water or the powder equivalent at 500g/100L of 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. Drain the whole system. Remove filters and nozzles and clean them separately. Finally flush the system with clean water and allow to drain.

**Rinse water should be discharged onto a designated disposal area or, if this is unavailable, onto unused land away from desirable plants and watercourses.**

### RESISTANT WEEDS WARNING

GROUP	I	HERBICIDE
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AC Shredder Herbicide is a member of the pyridines group of herbicides. The product has the disrupters of plant cell growth mode of action. For weed resistance management, the product is a Group I herbicide. Some naturally occurring weed biotypes resistant to the product and other Group I 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 the product or other Group I 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 the product to control resistant weeds. Strategies to minimise the risk of herbicide resistance are available. Contact your farm chemical supplier, consultant, local Department of Agriculture, or local Axichem representative.

### PROTECTION OF CROPS, NATIVES AND OTHER NON-TARGET PLANTS

Crops susceptible to AC Shredder Herbicide include, but are not limited to: peas, lupins, lucerne, navy beans, peanuts, soybeans and other legumes, cotton, flowers, fruit, hops, ornamentals, shade trees and *Pinus* spp., potatoes, safflower, sugarbeet, sunflower, tobacco, tomatoes, vegetables and vines.

AC Shredder Herbicide is damaging to susceptible crops during both growing and dormant periods. Grasses are normally unaffected and establish quickly after treatment.

Picloram, one of the active constituents in this product, can remain in the soil for extended periods depending on soil type and application rate, rainfall, temperature, humidity, soil moisture and soil organic matter.

**DO NOT** allow physical spray drift onto waterways, native vegetation and susceptible crops.

**DO NOT** apply under weather conditions, or from spray equipment, that may cause spray drift onto nearby susceptible plants/crops, cropping lands, pastures, waterways or native vegetation.

**DO NOT** apply close to, or in areas, containing roots of desirable vegetation, where treated soil may be washed onto areas growing (or areas to be planted with) desirable plants.

**DO NOT** apply on sites where surface water from heavy rain can be expected to run off to areas containing, or to be planted with susceptible crops or plants.

**DO NOT** move soil, which may have been treated to areas where desirable plants are to be grown.

### PROTECTION OF LIVESTOCK

With high volume spraying poisonous plants may become more palatable after spraying and stock should be kept away from these plants until they have died down.

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

**DO NOT** contaminate streams, rivers or waterways with chemical 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. DO NOT store near feedstuffs, fertilisers or seed, insecticides, fungicides or other pesticides.

This container can be recycled if it is clean, dry, free of visible residues and has the drumMUSTER logo visible. Triple or preferably pressure rinse containers before disposal. Add rinsings 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.

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### **SPILL AND LEAK MANAGEMENT**

DO NOT touch or walk through spilled material. Wear a face-shield or goggles, overalls buttoned to the neck and wrist, chemical resistant gloves and footwear. Stop leak when safe to do so. Dam area and prevent entry into waterways and drains.

**Small spills/leaks:** Absorb with material such as sand, soil or sawdust. Collect spilled product and place in sealable container for disposal. Spill residues may be cleaned using water and detergent. Contain and absorb wash water for disposal. Absorb and collect washing and place in the same sealable container for disposal. Dam the area of large spills and report them to Axichem.

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### **FIRST AID**

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