

PEEL HERE

# CAUTION

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



ACTIVE CONSTITUENT: 360 g/L CLETHODIM  
SOLVENT: 490 g/L LIQUID HYDROCARBONS

**GROUP 1 HERBICIDE**

For the control of certain grass weeds in beetroot, cabbage, canola, celery, chickpeas, cotton, faba beans, field peas, forestry, lentils, lettuce, lupins, mung beans, non-bearing fruit trees, onions, ornamentals, peanuts, potatoes, and soybeans as per the Directions for Use table.

## IMPORTANT: READ THIS LEAFLET BEFORE USE

### STORAGE AND DISPOSAL

Store in the closed original container in a dry, cool well ventilated area out of direct sunlight. Protect from frost.

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.

For refillable containers: Empty contents fully into application equipment. Close all valves and return to point of supply for refill or storage.

### SAFETY DIRECTIONS

Harmful if swallowed. Will irritate eyes and skin. When preparing spray and using the prepared spray, wear cotton overalls buttoned to the neck and wrist, washable hat, elbow-length chemical resistant gloves and face shield or goggles. If product on skin, immediately wash area with soap and water. If product in eyes, wash it out immediately with 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, face shield or goggles and contaminated clothing.

### FIRST AID

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.

### SAFETY DATA SHEET (SDS)

Additional information is listed in the Safety Data Sheet (SDS) which is available from the supplier.

### LIMIT OF WARRANTY AND LIABILITY

Axichem Pty Ltd warrants that this material conforms to the chemical description on the label. As the use of product sold is beyond the control of Axichem Pty Ltd, no responsibility whatsoever for any consequences is accepted in respect of this product, save those non-excludable conditions implied by any State and Federal legislation or law of a Territory. Not for repackaging or reformulations. No licence under any non-Australian patent is granted or implied by purchase of this container.

APVMA Approval No.: 92915/137304

Batch No.:

Date of Manufacture:

IN A TRANSPORT EMERGENCY  
DIAL 000  
POLICE OR FIRE BRIGADE

FOR SPECIALIST ADVICE IN AN EMERGENCY ONLY  
CALL 1800 039 008  
ALL HOURS AUSTRALIA WIDE

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## DIRECTIONS FOR USE

### RESTRAINTS

DO NOT apply without the addition of an adjuvant.

DO NOT apply to plants that are stressed by moisture or temperature extremes.

DO NOT apply if rain is expected within one hour of application.

DO NOT apply AC Carbine 360 Herbicide more than once to any one crop.

CROP	CROP GROWTH STAGE	WEEDS CONTROLLED	RATE mL/ha
<b>Canola</b> Chickpeas, faba beans, Field peas, Lentil <sup>†</sup> , Lupins <sup>‡</sup>	<b>Canola:</b> DO NOT APPLY after flower buds become visible (green buds)  <b>Chickpeas:</b> DO NOT APPLY beyond full flowering  <b>Faba beans:</b> DO NOT APPLY beyond full flowering  <b>Field peas:</b> DO NOT APPLY beyond full flowering  <b>Lentils:</b> Apply up to the 7 node/ early branching stage of crop growth  <b>Lupins:</b> DO NOT APPLY after 80% of flowers have opened	Annual ryegrass ( <i>Lolium rigidum</i> ), Annual phalaris ( <i>Phalaris minor</i> )	100 to 330
		Barley grass ( <i>Hordeum leporinum</i> ), Brome grass ( <i>Bromus diandrus</i> ), Wild Oats ( <i>Avena</i> spp.)	115 to 330
		Volunteer wheat ( <i>Triticum aestivum</i> ), Volunteer oats ( <i>Avena sativa</i> )	130* to 330 *(115 to 330 in WA only)
		Volunteer barley ( <i>Hordeum vulgare</i> )	330
		Silver grass ( <i>Vulpia bromoides</i> ) – suppression only	165 to 330
		Paradoxa grass ( <i>Phalaris paradoxa</i> )	165 to 250
			250 to 330
<b>Cotton</b> (Qld, NSW and NT only), <b>Peanuts,</b> <b>Mung beans,</b> <b>Soybeans</b>	<b>Cotton:</b> DO NOT APPLY after full flowering (mid bloom)  <b>Peanuts:</b> DO NOT APPLY after the pod fill stage of crop development  <b>Mung beans:</b> DO NOT APPLY after first flower buds are visible  <b>Soybeans:</b> DO NOT APPLY after first flower buds are visible	Barnyard grass ( <i>Echinochloa</i> spp.), Blown grass ( <i>Agrostis aveacea</i> ), Crowsfoot grass ( <i>Eleusine indica</i> ), Feathertop Rhodes grass ( <i>Chloris virgata</i> ), Liverseed grass ( <i>Urochloa panicoides</i> ), Red sprangletop grass ( <i>Leptochloa filiformis</i> ), Seedling Johnson grass* ( <i>Sorghum halepense</i> ), Summer grass ( <i>Digitaria</i> spp.), Volunteer sorghum ( <i>Sorghum</i> spp.)	165 to 250
			250 to 330

STAGE OF WEED GROWTH	STATE	CRITICAL COMMENTS
2-leaf to fully tillered	Qld, NSW, ACT, Vic, Tas, SA, WA only	<p>Always apply with Hasten at 1L/100L or Kwickin at 1L/100L or Uptake* at 500mL/100L spray volume.</p> <p>The lower doses will provide effective control if applied under ideal conditions to weeds that are smaller, actively growing and free from temperature or water stress. See COMPATIBILITY AND CAUTIONS in GENERAL INSTRUCTIONS for mixture recommendations with insecticides, fungicides and other herbicides.</p> <p>+ Application up to 7- node/early branching crop growth stage only.</p> <p># NOT QLD</p>
2- to 5-leaf stage	NSW, ACT, Vic, Tas only	
2-leaf to fully tillered	Qld, NSW, ACT, only	
2- to 5-leaf stage	Qld, NSW, ACT, Vic, WA, NT only	
5-leaf to fully tillered	Qld, NSW, ACT, Vic, WA, NT only	<p>Always apply with Hasten at 1L/100L or Kwickin at 1L/100L or Uptake at 500mL/100L spray volume. The lower doses will provide effective control if applied under ideal conditions to weeds that are smaller, actively growing and free from temperature or water stress. See COMPATIBILITY AND CAUTIONS in GENERAL INSTRUCTIONS for mixture recommendations with insecticides, fungicides and other herbicides.</p> <p>*Only Johnson grass seedlings germinating from seed will be controlled. Seedlings that appear later as shoots from underground stems will not be controlled, and more than one application may be required to control emerging shoots</p>

CROP	WEEDS CONTROLLED	RATE mL/ha	STAGE OF WEED GROWTH
<b>Beetroot, Cabbage, Celery, Lettuce, Potatoes, Onions</b>	Barnyard grass ( <i>Echinochloa</i> spp.), Blown grass ( <i>Agrostis aveacea</i> ), Crowsfoot grass ( <i>Eleusine indica</i> ), Feathertop Rhodes grass ( <i>Chloris virgata</i> ), Liverseed grass ( <i>Urochloa panicoides</i> ), Paradoxa grass ( <i>Phalaris paradoxa</i> ), Red sprangletop grass ( <i>Leptochloa filiformis</i> ), Seedling Johnson grass* ( <i>Sorghum halepense</i> ), Summer grass ( <i>Digitaria</i> spp.), Volunteer sorghum ( <i>Sorghum</i> spp.)	165 to 250	2- to 5-leaf stage
		250 to 330	5-leaf to fully tillered
	Annual ryegrass ( <i>Lolium rigidum</i> ), Annual phalaris ( <i>Phalaris minor</i> )	100 to 330	2-leaf to fully tillered
	Barley grass ( <i>Hordeum leporinum</i> ), Brome grass ( <i>Bromus diandrus</i> ), Wild oats ( <i>Avena</i> spp.)	115 to 330	
	Volunteer wheat ( <i>Triticum aestivum</i> ), Volunteer oats ( <i>Avena sativa</i> )	130 to 330 (115 to 330 in WA only)	
	Volunteer barley ( <i>Hordeum vulgare</i> )	330	
	Silver grass ( <i>Vulpia bromoides</i> ) – suppression only (not Qld, WA)	165 to 330	
	Winter grass ( <i>Poa annua</i> )	330	

STATE	CRITICAL COMMENTS
All States	<p>Always apply with Hasten at 1L/100L or Kwickin at 1L/100L or Uptake at 500mL/100L spray volume.</p> <p>The lower doses will provide effective control if applied under ideal conditions to weeds that are smaller, actively growing and free from temperature or water stress. Use a spray volume of 150L/ha when spraying dense grass populations.</p> <p>*Only Johnson grass seedlings germinating from seed will be controlled. Seedlings that appear later as shoots from underground stems will not be controlled, and more than one application may be required to control emerging shoots</p>
All States	<p>Always apply with Hasten at 1L/100L or Kwickin at 1L/100L or Uptake at 500mL/100L spray volume.</p> <p>The lower doses will provide effective control if applied under ideal conditions to weeds that are smaller, actively growing and free from temperature or water stress. Use a spray volume of 150 L/ha when spraying dense grass populations.</p>

CROP	WEEDS CONTROLLED	RATE mL/ha	STAGE OF WEED GROWTH
<b>Forestry, Non-bearing Fruit Trees and Ornamentals</b>	Annual ryegrass ( <i>Lolium rigidum</i> ), Annual phalaris ( <i>Phalaris minor</i> ), Barley grass ( <i>Hordeum leporinum</i> ), Barnyard grass ( <i>Echinochloa</i> spp.), Blown grass ( <i>Agrostis aveacea</i> ), Brome grass ( <i>Bromus diandrus</i> ), Crowsfoot grass ( <i>Eleusine indica</i> ), Feathertop Rhodes grass ( <i>Chloris virgata</i> ), Liverseed grass ( <i>Urochloa panicoides</i> ), Paradoxa grass ( <i>Phalaris paradoxa</i> ), Red sprangletop grass ( <i>Leptochloa filiformis</i> ), Seedling Johnson grass* ( <i>Sorghum halepense</i> ), Silver grass ( <i>Vulpia bromoides</i> ), – suppression only (not QLD, WA), Summer grass ( <i>Digitaria</i> spp.), Volunteer sorghum ( <i>Sorghum</i> spp.), Volunteer wheat ( <i>Triticum aestivum</i> ), Volunteer oats ( <i>Avena sativa</i> ), Volunteer barley ( <i>Hordeum vulgare</i> ), Winter grass ( <i>Poa annua</i> )	330	2-leaf to fully tillered

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

#### WITHHOLDING PERIODS

#### HARVEST:

**CANOLA, CHICKPEAS, COTTON, FABA BEANS, FIELD PEAS, LENTILS, LUPINS, MUNG BEANS, PEANUTS, SOYBEANS: NOT REQUIRED WHEN USED AS DIRECTED.**

**FORESTRY: NOT REQUIRED WHEN USED AS DIRECTED.**

**BETROOT, CABBAGE: DO NOT APPLY LATER THAN 7 DAYS BEFORE HARVEST.**

**ONIONS: DO NOT APPLY LATER THAN 14 DAYS BEFORE HARVEST.**

**LETTUCE, POTATOES: DO NOT APPLY LATER THAN 4 WEEKS BEFORE HARVEST.**

**CELERY: DO NOT APPLY LATER THAN 9 WEEKS BEFORE HARVEST**

#### GRAZING:

**CANOLA, CHICKPEAS, FABA BEANS, FIELD PEAS, LENTILS, LUPINS, MUNG BEANS, PEANUTS, SOYBEANS: DO NOT GRAZE OR CUT FOR STOCK FEED FOR 21 DAYS AFTER APPLICATION.**

**COTTON: DO NOT GRAZE OR CUT COTTON FORAGE OR STUBBLE FOR STOCK FEED.**

STATE	CRITICAL COMMENTS
All States	<p>Apply after plants have recovered from transplant shock and are showing signs of active growth.</p> <p>Always apply with Hasten at 1L/100L or Kwickin at 1L/100L or Uptake at 500mL/100L spray volume.</p> <p>Use a spray volume of 150 L/ha when spraying dense grass populations.</p> <p>Do NOT use on Gymnosperms (pines, conifers, etc) unless a prior test has been conducted to check safety on the relevant species.</p> <p>See COMPATIBILITY AND CAUTIONS in GENERAL INSTRUCTIONS for particular species.</p> <p>*Only Johnson grass seedlings germinating from seed will be controlled. Seedlings that appear later as shoots from underground stems will not be controlled, and more than one application may be required to control emerging shoot</p>

## GENERAL INSTRUCTIONS

### CLEANING SPRAY EQUIPMENT

#### Before using AC Carbine 360 Herbicide

Ensure that the recommended clean-out procedure for the previous product (particularly sulfonylurea herbicides) sprayed with the equipment was done properly.

#### After using AC Carbine 360 Herbicide

Empty the tank and drain the whole system. Thoroughly wash inside the tank using a pressure hose, drain the tank and clean all filters in the tank, pump line and nozzles. Use of a household detergent will aid in cleaning the equipment. Add detergent to the part-filled spray tank and thoroughly circulate through pumps, hoses and nozzles. Drain the system and thoroughly rinse twice with clean water.

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

#### MIXING:

To ensure even mixing, half-fill the spray tank with clean water and add the required amount of product. Add spray additive and agitate thoroughly, then add the remainder of the water. Agitate again before spraying commences.

#### APPLICATION:

##### Ground Application:

AC Carbine 360 Herbicide should be applied with calibrated spray equipment producing MEDIUM spray droplets according to the ASAE S572 definition for the standard nozzles. Apply in a minimum of 50 litres of water per hectare. Use 150 L/ha when spraying dense populations.

##### Application:

AC Carbine 360 Herbicide can be applied through aircraft fitted with boom or Micronair equipment. A spray volume of 20 to 30 L/ha is recommended and equipment should be adjusted to produce MEDIUM spray droplets according to the ASAE S572 definition for the standard nozzles. Best results will be obtained when aerial applications are made in a light crosswind. Applications should not be made during temperature inversions or in conditions of very low relative humidity. Care should be taken to avoid drift damage to adjoining grass crops.

#### CAUTION:

Ornamentals and Trees – While AC Carbine 360 Herbicide is generally selective to broadleaved plants (i.e. it is active against grasses), tests should always be made on a small number of plants not previously tested. DO NOT use on Gymnosperms (pines, conifers, etc) unless a prior test has been conducted to check safety on the relevant species.

#### COMPATIBILITY

AC Carbine 360 Herbicide is compatible with the following grass herbicides: AC Quiza PE 200, AC Flare 212, AC Half Back 520, Sertin.

NOTE: In all situations where AC Carbine 360 Herbicide is mixed with another grass herbicide, AC Carbine 360 Herbicide should be used at the full label rate specified for the target weed species. AC Carbine 360 Herbicide may also be applied in tank mixtures with one of the following products: Sumi-Alpha 50 EC, Sumi-Alpha Dual, AC Ferocity 100 and AC Omethoate 290.

AC Carbine 360 Herbicide should not be applied in a tank mix with AC Dice 500, Basagran or Blazer. Apply as separate applications. For information on compatibility of products not listed, please refer to Axichem Pty Ltd.

## RESISTANT WEEDS WARNING

GROUP	<b>1</b>	HERBICIDE
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AC Carbine 360 Herbicide is a member of the cyclohexanedione group of herbicides. AC Carbine 360 Herbicide has the inhibition of acetyl coA carboxylase mode of action. For weed resistance management, AC Carbine 360 Herbicide is a Group 1 Herbicide. Some naturally-occurring weed biotypes resistant to AC Carbine 360 Herbicide and other Group 1 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 AC Carbine 360 Herbicide or other Group 1 Herbicides. Since occurrence of resistant individuals is difficult to detect prior to use, Axichem Pty Ltd accepts no liability for any losses that may result from the failure of AC Carbine 360 Herbicide to control resistant weeds.

### 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.

AC Carbine 360 Herbicide should not be applied through misting equipment or any other method likely to cause excessive drift. Care should be taken to avoid damage to adjoining native grasses or grass crops.

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

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

### STORAGE AND DISPOSAL

Store in the closed original container in a dry, cool well ventilated area out of direct sunlight. Protect from frost. 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.

For refillable containers: Empty contents fully into application equipment. Close all valves and return to point of supply for refill or storage.

### SAFETY DIRECTIONS

Harmful if swallowed. Will irritate eyes and skin. When preparing spray and using the prepared spray, wear cotton overalls buttoned to the neck and wrist, washable hat, elbow-length chemical resistant gloves and face shield or goggles. If product on skin, immediately wash area with soap and water. If product in eyes, wash it out immediately with 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, face shield or goggles and contaminated clothing.

### FIRST AID

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.

### SAFETY DATA SHEET (SDS)

Additional information is listed in the Safety Data Sheet (SDS) which is available from the supplier.

## LABEL ELEMENTS

<b>GHS Label Elements</b>	
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<b>SIGNAL WORD</b>	<b>DANGER</b>
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<b>Hazard Statement(s)</b>	
<b>H302</b>	Harmful if swallowed.
<b>H304</b>	May be fatal if swallowed and enters airways.
<b>H315</b>	Causes skin irritation.
<b>H318</b>	Causes serious eye damage.
<b>H336</b>	May cause drowsiness or dizziness.
<b>H373</b>	May cause damage to organs through prolonged or repeated exposure.
<b>H411</b>	Toxic to aquatic life with long lasting effects.

<b>Precautionary statement(s) Prevention</b>	
<b>P260</b>	Do not breathe mist/vapours/spray.
<b>P271</b>	Use only outdoors or in a well-ventilated area.
<b>P280</b>	Wear protective gloves, protective clothing, eye protection and face protection.
<b>P264</b>	Wash all exposed external body areas thoroughly after handling.
<b>P270</b>	Do not eat, drink or smoke when using this product.
<b>P273</b>	Avoid release to the environment.

<b>Precautionary statement(s) Response</b>	
<b>P301+P310</b>	IF SWALLOWED: Immediately call a POISON CENTER/doctor/physician/first aider.
<b>P331</b>	Do NOT induce vomiting.
<b>P305+P351+P338</b>	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
<b>P391</b>	Collect spillage.
<b>P301+P312</b>	IF SWALLOWED: Call a POISON CENTRE/doctor/physician/first aider if you feel unwell.
<b>P302+P352</b>	IF ON SKIN: Wash with plenty of water and soap.

<b>P304+P340</b>	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
<b>P330</b>	Rinse mouth.
<b>P332+P313</b>	If skin irritation occurs: Get medical advice/attention.
<b>P362+P364</b>	Take off contaminated clothing and wash it before reuse.

#### Precautionary statement(s) Storage

<b>P405</b>	Store locked up.
<b>P403+P233</b>	Store in a well-ventilated place. Keep container tightly closed.

#### Precautionary statement(s) Disposal

<b>P501</b>	Dispose of contents/container to authorised hazardous or special waste collection point in accordance with any local regulation.
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#### LIMIT OF WARRANTY AND LIABILITY

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**In case of emergency: Phone 000, Police or Fire Brigade.**

**AxiChem**