

Text appearing above this line does not form part of the label

CAUTION

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

SINOCHEM SCALPEL® SELECTIVE HERBICIDE

**ACTIVE CONSTITUENT: 240 g/L CLETHODIM
SOLVENTS: 602 g/L HYDROCARBON LIQUID**

GROUP	A	HERBICIDE
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For the control of certain grass weeds in Beetroot, Cabbage, Canola, Celery, Cotton, Forestry, Lettuce, Non-Bearing Fruit Trees, Onions, Ornamentals, Peanuts, Pulses (including Azuki Beans, Broad Beans, Chickpeas, Faba Beans, Field Peas, Lentils, Lupins and Mung Beans), Potatoes, Soybeans and Pasture Legume (Lucerne, Clover and Medic), Seed Crops and Pastures as per the DIRECTIONS FOR USE table in the attached booklet.

IMPORTANT: READ THE ATTACHED LEAFLET BEFORE USE

CONTENTS: 1 L – 1000 L

AUSCD/1/20/01
AUSCD/1/110/01

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IMPORTANT: READ LEAFLET BEFORE USE

STORAGE AND DISPOSAL

Store in the closed, original container in a dry, cool, well-ventilated area. DO NOT store for prolonged periods in direct sunlight. Store in a locked room or a place away from children, animals, food, feedstuffs, seed and fertilisers. Triple or preferably pressure 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 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 or product. DO NOT use empty containers for any other purpose.

SAFETY DIRECTIONS

Harmful if swallowed. Will irritate the eyes and skin. When preparing spray and using the prepared spray wear cotton overalls buttoned to the neck and wrist, a washable hat and elbow-length chemical resistant gloves and face shield or goggles. 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 days use, wash gloves, face shield or goggles and contaminated clothing.

SAFETY DATA SHEET

For further information refer to the Safety Data Sheet (SDS), which can be obtained from your supplier or from the Sinochem Australia website at: www.sinochem.com.au

FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre. **Phone Australia 13 11 26.**

<p>IN A TRANSPORT EMERGENCY DIAL 000 POLICE OR FIRE BRIGADE</p>
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<p>FOR SPECIALIST ADVICE IN AN EMERGENCY CALL 1800 033 111 24 HOURS AUSTRALIA WIDE</p>
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LIMITATION OF LIABILITY

With the express exception of liabilities created by the Competition and Consumer Act 2010 (Cth)(including the Australian Consumer Law) or relevant State legislation which cannot be excluded, restricted or modified, none of Sinochem International Australia Pty Ltd or any of its affiliates ("Sinochem") or any manufacturer of any component of the product shall be liable for any loss or damage (including consequential loss or damage), injury or death connected with, or arising out of, the product, regardless of the way in which it arises (including by way of negligence).

Distributed by: **Sinochem International Australia Pty Ltd**

Level 8, 606 St Kilda Road, Melbourne Victoria 3004
Tel: +61 3 9520 8888 | www.sinochem.com.au

APVMA APPROVAL No: 67306/101077

Batch Number:

DOM:

AUSCD/2/01

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APVMA APPROVAL No: 67306/101077

AUSCD/3/01

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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 temperate extremes.

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

DO NOT apply SINOCHEM SCALPEL® SELECTIVE HERBICIDE more than once to any one crop.

CROP/ SITUATION	CROP GROWTH STAGE	WEEDS CONTROLLED	RATE	STAGE OF WEED GROWTH	STATE	CRITICAL COMMENTS		
Canola Pulse Crops (including Azuki Beans, Broad Beans, Chickpeas, Faba Beans, Field Peas, Lentils ¹ , Lupins ²) Pasture Legume (Lucerne, Clover and Medic) Seed Crops and Pastures ³ , including Pastures containing Chicory and Plantain	Canola: DO NOT apply after flower buds become visible (green buds). Azuki Beans: DO NOT apply after first flower buds are visible. Chickpeas: DO NOT apply beyond full flowering. Faba Beans: DO NOT apply beyond full flowering. Field Peas: DO NOT apply beyond full flowering. Lentils: Apply up to the 7 node/early branching stage of crop growth. Lupins: DO NOT apply after 80% of flowers have opened.	Annual Ryegrass, Annual Phalaris	150—500 mL/ha		QLD, NSW, ACT, Vic, Tas, SA, WA only	Always apply with D-C-Trate® at 2 L/100 L or Hasten® at 1 L/100 L or Kwickin® at 1 L/100 L or Uptake® at 500 mL/100 L 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 CAUTION in GENERAL INSTRUCTIONS for mixture recommendations with insecticides, fungicides and other herbicides. ¹ Application up to 7 node/early branching crop growth stage only. ² Not Queensland. ³ See use of SINOCHEM SCALPEL® SELECTIVE HERBICIDE in pastures under GENERAL INSTRUCTIONS .		
		Barley Grass, Brome Grass, Wild Oats	175—500 mL/ha					
		Volunteer Wheat, Volunteer Oats	200—500 mL/ha (175—500 mL/ha in WA only)					
		Volunteer Barley	500 mL/ha					
		Silver Grass (suppression only)	250—500 mL/ha					
		Paradoxa Grass	250—375 mL/ha				2-5 leaf stage	QLD, NSW, ACT only
			375—500 mL/ha				2 leaf to fully tillered	

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CROP/ SITUATION	CROP GROWTH STAGE	WEEDS CONTROLLED	RATE	STAGE OF WEED GROWTH	STATE	CRITICAL COMMENTS
Cotton (QLD, NSW and NT only) Peanuts, Mung Beans, Soybeans Pasture Legume (Lucerne, Clover and Medic) Seed Crops and Pastures ³ , including Pastures containing Chicory and Plantain	<p>Cotton: DO NOT apply after full flowering (mid bloom).</p> <p>Peanuts: DO NOT apply after the pod fill stage of crop development.</p> <p>Mung Beans: DO NOT apply after the first flower buds are visible.</p> <p>Soybeans: DO NOT apply after the first flower buds are visible.</p>	Barnyard Grass, Blown Grass, Crowsfoot Grass, Feathertop Rhodes Grass, Liverseed Grass, Red Sprangletop Grass, Seedling Johnson Grass ⁴ , Summer Grass, Volunteer Sorghum	250—375 mL/ha	2-5 leaf stage	QLD, NSW, ACT, Vic, WA, NT only	<p>Always apply with D-C-Trate® at 2 L/100 L or Hasten® at 1 L/100 L or Kwickin® at 1 L/100 L or Uptake® at 500 mL/100 L 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.</p> <p>See COMPATIBILITY and CAUTION in GENERAL INSTRUCTIONS for mixture recommendations with insecticides, fungicides and herbicides.</p> <p>³ See use of SINOCHEM SCALPEL® SELECTIVE HERBICIDE in pastures under GENERAL INSTRUCTIONS.</p> <p>⁴ 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>
			375—500 mL/ha	5 leaf to fully tillered		

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CROP/ SITUATION	WEEDS CONTROLLED	RATE	STAGE OF WEED GROWTH	STATE	CRITICAL COMMENTS
Beetroot, Cabbage, Celery, Lettuce, Potatoes, Onions	Barnyard Grass, Blown Grass, Crowsfoot Grass, Feathertop Rhodes Grass, Liverseed Grass, Paradoxa Grass, Red Sprangletop Grass, Seedling Johnson Grass ⁴ , Summer Grass, Volunteer Sorghum	250—375 mL/ha	2-5 leaf stage	All States	<p>Always apply with D-C-Trate® at 2 L/100 L or Hasten® at 1 L/100 L or Kwickin® at 1 L/100 L or Uptake® at 500 mL/100 L 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.</p> <p>Use a spray volume of 150 L/ha when spraying dense grass populations.</p> <p>⁴ 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>
		375—500 mL/ha	5 leaf to fully tillered		
	Annual Ryegrass, Annual Phalaris	150—500 mL/ha	2 leaf to fully tillered	All States	<p>Always apply with D-C-Trate® at 2 L/100 L or Hasten® at 1 L/100 L or Kwickin® at 1 L/100 L or Uptake® at 500 mL/100 L 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.</p> <p>Use a spray volume of 150 L/ha when spraying dense grass populations.</p>
	Barley Grass, Brome Grass, Wild Oats	175—500 mL/ha			
	Volunteer Wheat, Volunteer Oats	200—500 mL/ha (175—500 mL/ha in WA only)			
	Volunteer Barley	500 mL/ha			
	Silver Grass – suppression only (not QLD, WA)	250—500 mL/ha			
	Winter Grass	500 mL/ha			

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CROP/ SITUATION	WEEDS CONTROLLED	RATE	STAGE OF WEED GROWTH	STATE	CRITICAL COMMENTS
Forestry, Non-Bearing Fruit Trees and Ornamentals	Annual Ryegrass, Annual Phalaris, Barley Grass, Barnyard Grass, Blown Grass, Brome Grass, Crowsfoot, Feathertop Rhodes Grass, Liverseed Grass, Paradoxa Grass, Red Sprangletop Grass, Seedling Johnson Grass ⁴ , Silver Grass – suppression only (not QLD, WA), Summer Grass, Volunteer Sorghum, Volunteer Wheat, Volunteer Oats, Volunteer Barley, Winter Grass	500 mL/ha	2 leaf to fully tillered	All States	Apply after plants have recovered from transplant shock and are showing signs of active growth. Always with D-C-Trate® at 2 L/100 L or Hasten® at 1 L/100 L or Kwickin® at 1 L/100 L or Uptake® at 500 mL/100 L spray volume. Use a spray volume of 150 L/ha when spraying dense grass populations. DO NOT use on Gymnosperms (Pines, Conifers, etc) unless a prior test has been conducted to check safety on the relevant species. See COMPATIBILITY and CAUTION in GENERAL INSTRUCTIONS for particular species. ⁴ 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.

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

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WITHHOLDING PERIODS (WHP):

HARVEST:

Pasture Legume (Lucerne, Clover and Medic), Seed Crops and Pastures: NOT REQUIRED WHEN USED AS DIRECTED

Canola, Cotton, Peanuts, Pulses (Azuki Beans, Broad Beans, Chickpeas, Faba Beans, Field Peas, Lentils, Lupins and Mung Beans) and Soybeans: NOT REQUIRED WHEN USED AS DIRECTED

Forestry: NOT REQUIRED WHEN USED AS DIRECTED

Beetroot, Cabbage: DO NOT HARVEST FOR 7 DAYS AFTER APPLICATION

Onions: DO NOT HARVEST FOR 14 DAYS AFTER APPLICATION

Lettuce, Potatoes: DO NOT HARVEST FOR 4 WEEKS AFTER APPLICATION

Celery: DO NOT HARVEST FOR 9 WEEKS AFTER APPLICATION

GRAZING:

Pasture Legume (Lucerne, Clover and Medic), Seed Crops and Pastures: DO NOT GRAZE OR CUT FOR STOCK FEED FOR 14 DAYS AFTER APPLICATION

Canola, Cotton, Peanuts, Pulses (Azuki Beans, Broad Beans, Chickpeas, Faba Beans, Field Peas, Lentils, Lupins and Mung Beans) and 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

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GENERAL INSTRUCTIONS

Cleaning Spray Equipment

Before using SINOCHEM SCALPEL® SELECTIVE HERBICIDE: Ensure that the recommended clean-out procedure for the previous product (particularly sulfonylurea herbicides) sprayed with the equipment was done properly.

After using SINOCHEM SCALPEL® SELECTIVE HERBICIDE: Empty the tank and drain the whole system. Thoroughly wash inside of 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: SINOCHEM SCALPEL® SELECTIVE HERBICIDE should be applied with calibrated spray equipment producing a median droplet range of 200—300 microns VMD. Apply in a minimum of 50 litres of water per hectare. Use 150 L/ha when spraying dense populations.

Aerial Application: SINOCHEM SCALPEL® SELECTIVE HERBICIDE can be applied through aircraft fitted with boom or Micron air equipment. A spray volume of 20—30 L/ha is recommended and equipment should be adjusted to deliver droplets in the range of 200—250 microns VMD.

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.

Crop Safety

Use of SINOCHEM SCALPEL® SELECTIVE HERBICIDE on Pasture Legume (Lucerne, Clover and Medic), Seed Crops and Pastures and Pasture Herbs: SINOCHEM SCALPEL® SELECTIVE HERBICIDE has been demonstrated to be safe when applied to the following cultivars during establishment:

Pasture Legumes:

- Clover (*Trifolium* spp.)
Annual: Subterranean Clover (*Dalkeith, Dalsa, Goulburn, Koala, Nungarrin, Riverina, Seaton Park and York A*), Arrowleaf Clover (*Zulu II*), Balansa Clover (*Enduromax, Frontier, Paradana*), Berseem Clover (*Elite II*), Grand Clover (*Prima*), Persian Clover (*Prolific, Leeton*), Rose Clover (*Hylon*)
Perennial: Strawberry Clover (*Palestine*), White Clover (*nuSiral*)
- Lucerne and Medics (*Medicago* spp.)
Lucerne (*Aurora, Field, Fenesis, Hunterfield, Multileaf, Salado, Sardi SEVEN, Seepre and Venus*), Barrel Medic (*Sephi, Jester Paraggio, Caliph*), Burr Medic (*Scimitar, Santiago*), Snail Medic (*Silver*)
- Serradella (*Ornithopus* spp.)
French or Pink Serradella (*Cadiz*), Yellow Serradella (*Charano, Santorini*)

Pasture Herbs:

- Chicory (*Puna II*) and Plantain (*Tonic*)

Apply SINOCHEM SCALPEL® SELECTIVE HERBICIDE when plants have reached 2-4 trifoliate leaf stage, or after 40 days from sowing. Some pasture varieties may exhibit an initial reduction in crop vigour or biomass, however these symptoms are transient and crops recover fully with no effect on yield.

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Caution

Ornamentals and Trees: While SINOCHEM SCALPEL® SELECTIVE HERBICIDE is generally selective to broad leaf plants, 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.

SINOCHEM SCALPEL® SELECTIVE HERBICIDE SHOULD NOT be applied in a tank mix with Diflufenican, Bentazone or Acifluorfen. Apply as separate applications.

RESISTANT WEEDS WARNING

GROUP	A	HERBICIDE
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SINOCHEM SCALPEL® SELECTIVE HERBICIDE is a member of the cyclohexanedione group of herbicides. SINOCHEM SCALPEL® SELECTIVE HERBICIDE has the inhibition of acetyl-coA carboxylase mode of action. For weed resistance management, SINOCHEM SCALPEL® SELECTIVE HERBICIDE is a Group A herbicide.

Some naturally occurring weed biotypes resistant to SINOCHEM SCALPEL® SELECTIVE HERBICIDE and other Group A 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 SINOCHEM SCALPEL® SELECTIVE HERBICIDE or other Group A herbicides.

Since the occurrence of resistant weeds is difficult to detect prior to use, Sinochem Australia accepts no liability for any losses that may result from the failure of this product to control resistant weeds.

COMPATIBILITY

SINOCHEM SCALPEL® SELECTIVE HERBICIDE is compatible with the following grass herbicides: Quizalofop P-ethyl, Fluazifop-P, Haloxyfop-R, Sethoxydim and Propaquizafop.

NOTE: In all situations where SINOCHEM SCALPEL® SELECTIVE HERBICIDE is mixed with another grass herbicide, SINOCHEM SCALPEL® SELECTIVE HERBICIDE should be used at the full label rate specified for the target weed species.

SINOCHEM SCALPEL® SELECTIVE HERBICIDE may also be applied in tank mixtures with one of the following products: Esfenvalerate, Alpha-cypermethrin and Omethoate.

For information on compatibility of products not listed, please refer to Sinochem Australia.

PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

DO NOT apply SINOCHEM SCALPEL® SELECTIVE HERBICIDE if wind is likely to cause drift onto susceptible crops/plants, cropping lands or pastures. SINOCHEM SCALPEL® SELECTIVE 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 waterways with the chemical or used containers.

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- ® HASTEN is a registered trademark of Innovative Chemical Services Pty Ltd.
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