

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



# CLETHODIM 360 EC

## Herbicide

ACTIVE CONSTITUENT: 360 g/L CLETHODIM  
SOLVENT: 570 g/L LIQUID HYDROCARBON

**GROUP A HERBICIDE**

For the control of certain grass weeds in beetroot, cabbage, canola, celery, cotton, forestry, lettuce, non-bearing fruit trees, onions, ornamentals, peanuts, pulses (including adzuki 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) according to the Directions for Use table.

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

**4 FARMERS AUSTRALIA PTY LTD**

A.B.N. 51 160 092 428

1 / 70 MCDOWELL STREET, WELSHPOOL, WA 6106

TEL: (08) 9356 3445 www.4farmers.com.au

Batch Number:

Date of Manufacture:

APVMA Approval No: 86562/116042

### DIRECTIONS FOR USE RESTRAINTS

DO NOT apply without the addition of an oil (see GENERAL INSTRUCTIONS).  
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 more than once to any one crop.

Crop	Crop Growth Stage	Weeds Controlled	Rate mL/ha	Stage of Weed Growth	State	Critical Comments
Canola	DO NOT apply after flower buds become visible (green buds)	Annual Ryegrass ( <i>Lolium rigidum</i> ), Annual Phalaris ( <i>Phalaris minor</i> )	100 to 333	2-leaf to fully tillered	QLD, NSW, ACT, VIC, TAS, SA, WA only	Always apply with a crop oil. See Adjuvants and Spray Additives for specific instructions. 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.
		Barley Grass ( <i>Hordeum leporinum</i> ), Brome Grass ( <i>Bromus diandrus</i> ), Wild Oats ( <i>Avena</i> spp.)	116 to 333			
		Volunteer Wheat ( <i>Triticum aestivum</i> ), Volunteer Oats ( <i>Avena sativa</i> )	133 to 333 (116 to 333 in WA only)			
		Silver Grass ( <i>Vulpia bromoides</i> ) suppression only	166 to 333			
		Paradoxa Grass ( <i>Phalaris paradoxa</i> )	166 to 250	2- to 5-leaf stage		
			250 to 333	5-leaf to fully tillered	QLD, NSW, ACT on	
Pulse crops (including adzuki beans, broad beans, chickpeas, faba beans, field peas, lentils <sup>^</sup> and lupins#). Pasture (1) legume (lucerne, clover and medic) seed crops and pastures (1) (including pastures containing chicory and plantain).	Adzuki beans: DO NOT APPLY after first flower buds are visible. Chickpeas, faba beans, broad beans, 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 ( <i>Lolium rigidum</i> ), Annual Phalaris ( <i>Phalaris minor</i> )	100 to 333	2 leaf to fully tillered	QLD, NSW, ACT, VIC, TAS, WA only	Always apply with a crop oil. See Adjuvants and Spray Additives for specific instructions. 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. <sup>^</sup> Application up to 7-node/early branching crop growth stage only. # NOT QLD (1) See use of 4Farmers CLETHODIM 360 EC Herbicide in pastures under General Instructions.
		Barley Grass ( <i>Hordeum leporinum</i> ), Brome grass ( <i>Bromus diandrus</i> ), Wild Oats ( <i>Avena</i> spp.)	116 to 333			
		Volunteer Wheat ( <i>Triticum aestivum</i> ), Volunteer Oats ( <i>Avena sativa</i> )	133* to 333* (116 to 333 in WA only)			
		Volunteer Barley ( <i>Hordeum vulgare</i> )	333			
		Silver grass ( <i>Vulpia bromoides</i> ) – suppression only	166 to 333			
		Paradoxa grass ( <i>Phalaris paradoxa</i> )	166 to 250	2 to 5 leaf stage		
	250 to 333	5-leaf to fully tillered	QLD, NSW, ACT only			
Cotton (Qld, NSW and NT only)  Peanuts, Mung beans, Soybeans Pasture legume (lucerne, clover and medic) seed crops and pastures (including pastures containing chicory and plantain).	Cotton: DO NOT APPLY after full flowering (mid bloom). Peanuts: DO NOT APPLY after the pod fill stage of crop development. Mung beans, soybeans: 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 (2) ( <i>Sorghum halepense</i> ), Summer Grass ( <i>Digitaria</i> spp.), Volunteer Sorghum ( <i>Sorghum</i> spp.)	166 to 250	2 to 5 leaf stage	QLD, NSW, ACT, VIC, WA, NT only	Always apply with a crop oil. See Adjuvants and Spray Additives for specific instructions. 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. (1) See use of 4Farmers CLETHODIM 360 EC Herbicide in pastures under General Instructions. (2) 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. Always apply with a crop oil. See Adjuvants and Spray Additives for specific instructions.
			250-333	5-leaf to fully tillered		

Crop	Weeds Controlled	Rate mL/ha	Stage of Weed Growth	State	Critical Comments
Beetroot, Cabbage, Celery, Lettuce, Potatoes, Onions	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 (1) ( <i>Sorghum halepense</i> ), Summer Grass ( <i>Digitaria</i> spp.), Volunteer Sorghum ( <i>Sorghum</i> spp.)	166 to 250	2 to 5 leaf stage	All states	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.  (1) 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. Always apply with a crop oil. See Adjuvants and Spray Additives for specific instructions.
		250-333	5-leaf to fully tillered		
	Annual Ryegrass ( <i>Lolium rigidum</i> ), Annual Phalaris ( <i>Phalaris minor</i> ), Barley Grass ( <i>Hordeum leporinum</i> ), Brome Grass ( <i>Bromus diandrus</i> ), Wild Oats ( <i>Avena</i> spp.)	100 to 333 116 to 333	2 leaf to fully tillered	All states	
	Volunteer Wheat ( <i>Triticum aestivum</i> ), Volunteer Oats ( <i>Avena sativa</i> )	133 to 333 (116 to 333 in WA only)	2 leaf to fully tillered	All states	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. (1) 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. Always apply with a crop oil. See Adjuvants and Spray Additives for specific instructions.
	Volunteer Barley ( <i>Hordeum vulgare</i> )	333			
	Silver grass ( <i>Vulpia bromoides</i> ) – suppression only (not Qld, WA)	166 to 333			
	Winter grass ( <i>Poa annua</i> )	333			

Crop	Weeds Controlled	Rate mL/ha	Stage of Weed Growth	State	Critical Comments
Forestry, non-bearing fruit trees and ornamentals	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 (Phalaris paradoxa), Red Sprangletop Grass ( <i>Leptochloa filiformis</i> ), Seedling Johnson Grass (1) ( <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> )	333	2 leaf to fully tillered	All states	Apply after plants have recovered from transplant shock and are showing signs of active growth. Always apply with a crop oil. See Adjuvants and Spray Additives for specific instructions. Use a spray volume of 150L/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 CAUTIONS in GENERAL INSTRUCTIONS for particular species. (1) 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**

#### WITHHOLDING PERIODS:

##### HARVEST:

**PASTURE LEGUME (LUCERNE, CLOVER AND MEDIC) SEED CROPS AND PASTURES: NOT REQUIRED WHEN USED AS DIRECTED.**

**CANOLA, COTTON, PEANUTS, PULSES (ADZUKI 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.**

**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:

**PASTURE LEGUME (LUCERNE, CLOVER AND MEDIC) SEED CROPS AND PASTURES: DO NOT GRAZE OR CUT FOR STOCK-FEED FOR 14 DAYS AFTER APPLICATION.**

**CANOLA, PEANUTS, PULSES (ADZUKI 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.**

#### GENERAL INSTRUCTIONS

##### CLEANING SPRAY EQUIPMENT

###### Before using 4Farmers CLETHODIM 360 EC

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

###### After using 4Farmers CLETHODIM 360 EC

Empty the tank and drain the whole system.

Thoroughly wash inside the tank using a pressure hose, drain the tank and clean filters in the tank, pump line and nozzles.

Use of a household detergent will aid in the 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, add the required amount of 4Farmers CLETHODIM 360 EC. Add spray additive and agitate thoroughly, then add the remainder of the water. Agitate again before spraying commences.

**ADJUVANTS AND SPRAY ADDITIVES** Always apply 4Farmers CLETHODIM 360 EC Herbicide with a crop oil. 4Farmers CLETHODIM 360 EC Herbicide may be applied with Hasten\*, Kwickin\*, Activoil\*, D-C-Trate Advance or Rocket\* at 1L/100L water or with Uptake\* or Enhance\* at 0.5-1L/100L water. (Use the higher rate of oil when weeds are large or if spraying conditions are less than optimal.) 4Farmers CLETHODIM 360 EC Herbicide may also be applied with D-C-Trate\* at 2L/100L water. 4Farmers CLETHODIM 360 EC Herbicide is compatible with ammonium sulphate products such as Spraymate\* Liase. When mixing 4Farmers CLETHODIM 360 EC Herbicide with atrazine use Uptake\* or Enhance\* at 1L/100L as the adjuvant. The addition of ammonium sulphate is recommended to improve performance of this tank mix. 4Farmers CLETHODIM 360 EC Herbicide is not compatible with Hot-Up\* Spray Adjuvant or Freeway\* Gold Penetrant.

##### APPLICATION

###### Ground Application

4Farmers CLETHODIM 360 EC Herbicide should be applied with calibrated spray equipment. DO NOT apply with spray droplets smaller than a MEDIUM spray droplet size category according to nozzle manufacturer specifications that refer to the ASAE S572 Standard or the BCPC Guideline. Apply in a minimum of 50 litres of water per hectare. Use 150L/ha when spraying dense populations.

###### Aerial Application

4Farmers CLETHODIM 360 EC Herbicide can be applied through aircraft fitted with boom or Micronair equipment. DO NOT apply with spray droplets smaller than a MEDIUM spray droplet size category according to nozzle manufacturer specifications that refer to the ASAE S572 Standard or the BCPC Guideline. A spray volume of 20 to 30L/ha is recommended. 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.

##### USE OF 4FARMERS CLETHODIM 360 EC ON PASTURE LEGUME (LUCERNE, CLOVER AND MEDIC) SEED CROPS AND PASTURES AND PASTURE HERBS

4Farmers CLETHODIM 360 EC Herbicide has been demonstrated to be safe when applied to the following cultivars during early 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), Gland Clover (Prima), Persian Clover (Prolific, Leeton), Rose Clover (Hykon).
- Perennial: Strawberry Clover (Palestine), White clover (NuSiral).
- Lucerne and Medics (Medicago spp.) Lucerne (Aurora, Field, Genesis, Hunterfield, Multileaf, Salado,
- Sardi SEVEN, Sceptre 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 4Farmers CLETHODIM 360 EC Herbicide when plants have reached 2-4 trifoliolate 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.

##### COMPATIBILITY

**Grass Herbicides:** 4Farmers CLETHODIM 360 EC Herbicide is compatible with the following grass herbicides: Targa\*, Fusilade\*, Verdict\*, Sertin\* and Correct\* (refer to the Bayer Correct label for detail on adjuvant recommendations for that product).

**NOTE:** In all situations where 4Farmers CLETHODIM 360 EC Herbicide is mixed with another grass herbicide, 4Farmers CLETHODIM 360 EC Herbicide should be used at the full label rate specified for the target weed species.

4Farmers CLETHODIM 360 EC Herbicide may also be applied in tank mixtures with one of the following products: Fastac\* 100, Le-Mat\*, Lontrel\*, Spin Flo\*, Sumi-Alpha\* Flex\*, Sumisclex\* Broadacre and Dithane\* M45.

4Farmers CLETHODIM 360 EC Herbicide is compatible with atrazine. Avoid using this tank mix when crops are stressed by environmental factors. When mixing 4Farmers CLETHODIM 360 EC Herbicide with atrazine use Uptake\* or Enhance\* at 1L/100L as the adjuvant. The addition of an ammonium sulphate product such as Spraymate\* Liase is recommended to improve performance of this tank mix.

4Farmers CLETHODIM 360 EC Herbicide should not be applied in a tank mix with Bravo\* (chlorothalonil), Brodal\* (diflufenican), Basagran\* (bentazone and MCPA) or Blazer\* (acifluofen). Apply as separate applications. For information on compatibility of products not listed, please refer to 4Farmers Australia Pty Ltd.

##### CAUTION

**Ornamentals and Trees** – While 4Farmers CLETHODIM 360 EC Herbicide is generally selective to broadleaf 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.

#### RESISTANT WEEDS WARNING

**GROUP A HERBICIDE**

4Farmers CLETHODIM 360 EC Herbicide is a member of the cyclohexanedione group of herbicides. 4Farmers CLETHODIM 360 EC Herbicide has the photosynthesis inhibition of acetyl coA carboxylase mode of action. For weed resistance management 4Farmers CLETHODIM 360 EC Herbicide is a Group A herbicide. Some naturally occurring weed biotypes resistant to 4Farmers CLETHODIM 360 EC 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 4Farmers CLETHODIM 360 EC Herbicide or other Group A herbicides.

Since the occurrence of resistant weeds is difficult to detect prior to use, 4Farmers Australia Pty Ltd accepts no liability for any losses that may result from the failure of 4Farmers CLETHODIM 360 EC Herbicide to control resistant weeds.

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

DO NOT apply 4Farmers CLETHODIM 360 EC Herbicide if wind is likely to cause drift onto susceptible crops/plants, cropping lands or pastures. 4Farmers CLETHODIM 360 EC 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.

#### 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 authority is not available, bury the empty packaging 500mm 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 the 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 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 and face shield or goggles and contaminated clothing.

#### FIRST AID

If poisoning occurs contact a doctor or Poisons Information Centre. Phone Australia 13 11 26. If swallowed, do not induce vomiting. Give a glass of water.

#### SAFETY DATA SHEET

For further information please refer to the Safety Data Sheet. For a copy visit our website at [www.4farmers.com.au](http://www.4farmers.com.au)

#### NOTICE TO BUYER

"4Farmers Australia Pty Ltd (4Farmers) shall not be liable for any loss, injury, damage or death whether consequential or otherwise whatsoever or howsoever arising whether through negligence or otherwise in connection with the sale supply, use or application of this product. The supply of this product is on the express condition that the purchaser does not rely on 4Farmer's skill or judgments in purchasing or using the same and every person dealing with this product does so at his own risk absolutely. No representative of 4Farmers has any authority to add to or alter these conditions."

<b>In a Transport Emergency Dial 000 Police or Fire Brigade</b>	<b>Special Poisons Advice: 13 11 26</b>
---	---