

CAUTION

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

OzCrop

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.

CONTENTS:

5L, 20L, 100L, 110L, 200L, 1,000L

**NOT A DANGEROUS GOOD
ACCORDING TO THE AUSTRALIAN
DANGEROUS GOODS (ADG) CODE.**

BATCH NO.

DATE OF MANUFACTURE:

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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	NSW, ACT, VIC, TAS only		
		Paradoxa Grass (<i>Phalaris Paradoxa</i>)	166 to 250 250 - 333	2- to 5-leaf stage 5-leaf to fully tillered	QLD, NSW, ACT on	
Pulse crops (including adzuki beans, broad beans, chickpeas, faba beans, field peas, lentils ^ 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.	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. ^ Application up to 7-node/early branching crop growth stage only. # NOT QLD (1) See use of OzCrop Clethodim 360 EC HERBICIDE in pastures under General Instructions.
	Chickpeas, faba beans, broad beans, field peas: DO NOT APPLY beyond full flowering.	Barley Grass (<i>Hordeum leporinum</i>) Brome grass (<i>Bromus diandrus</i>) Wild Oats (<i>Avena</i> spp.)	116 to 333			
	Lentils: Apply up to the 7 node/ early branching stage of crop growth.	Volunteer Wheat (<i>Triticum aestivum</i>) Volunteer Oats (<i>Avena sativa</i>)	133* to 333* (116 to 333 in WA only)			
	Lupins: DO NOT APPLY after 80% of flowers have opened.	Volunteer Barley (<i>Hordeum vulgare</i>)	333			
		Silver grass (<i>Vulpia bromoides</i>) – suppression only	166 to 333	NSW, ACT, VIC, TAS only		
		Paradoxa grass, (<i>Phalaris paradoxa</i>)	166 - 250 250-333	2 to 5 leaf stage 5-leaf to fully tillered	QLD, NSW, ACT only	
Cotton (Qld, NSW and NT only)	Cotton: DO NOT APPLY after full flowering (mid bloom).	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 OzCrop 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.
	Peanuts: DO NOT APPLY after the pod fill stage of crop development. Mung beans, soybeans: DO NOT APPLY after first flower buds are visible.		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 250 250-333	2 to 5 leaf stage 5-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.
	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)			
	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			
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 (<i>Phalaris paradoxa</i>), 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
BEETROOT, 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

RESISTANCE WARNING

OZCROP Clethodim 360 Herbicide is a member of the cyclohexanedione group of herbicides. OZCROP Clethodim 360 Herbicide has the inhibition of acetyl coA carboxylase mode of action. For weed resistance management, OZCROP Clethodim 360 Herbicide is a Group A Herbicide. Some naturally-occurring weed biotypes resistant to OZCROP Clethodim 360 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 OZCROP Clethodim 360 Herbicide or other Group A Herbicides. Since the occurrence of resistant weeds is difficult to detect prior to use, OZCROP PTY LTD accepts no liability for any losses that may result from the failure of OZCROP Clethodim 360 Herbicide to control resistant weeds.

GROUP A HERBICIDE

CLEANING SPRAY EQUIPMENT

Before using OzCrop Clethodim 360 EC Herbicide

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

After using OzCrop Clethodim 360 EC Herbicide

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 OzCrop Clethodim 360 EC Herbicide. Add spray additive and agitate thoroughly, then add the remainder of the water. Agitate again before spraying commences.

ADJUVANTS AND SPRAY ADDITIVES Always apply OzCrop Clethodim 360 EC HERBICIDE with a crop oil. OzCrop 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.) OzCrop Clethodim 360 EC HERBICIDE may also be applied with D-C-Trate* at 2L/100L water. OzCrop Clethodim 360 EC HERBICIDE is compatible with ammonium sulphate products such as Spraymate* Liase. When mixing OzCrop 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. OzCrop Clethodim 360 EC HERBICIDE is not compatible with Hot-Up* Spray Adjuvant or Freeway* Gold Penetrant.

APPLICATION

Ground Application

OzCrop 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 150 L/ha when spraying dense populations.

Aerial Application

OzCrop 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 30 L/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 OZCROP CLETHODIM 360 EC HERBICIDE ON PASTURE LEGUME (LUCERNE, CLOVER AND MEDIC) SEED CROPS AND PASTURES AND PASTURE HERBS OzCrop 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 OzCrop 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: OzCrop 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 OzCrop Clethodim 360 EC HERBICIDE is mixed with another grass herbicide, OzCrop Clethodim 360 EC HERBICIDE should be used at the full label rate specified for the target weed species.

OzCrop 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.

OzCrop Clethodim 360 EC HERBICIDE is compatible with atrazine. Avoid using this tank mix when crops are stressed by environmental factors. When mixing OzCrop 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.

OzCrop Clethodim 360 EC HERBICIDE should not be applied in a tank mix with Bravo* (chlorothalonil), Brodal* (diflufenican), Basagran* (bentazone and MCPA) or Blazer* (acifluorfen). Apply as separate applications. For information on compatibility of products not listed, please refer to OzCrop Pty Ltd.

CAUTION

Ornamentals and Trees – While OzCrop 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.

PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

DO NOT apply OzCrop Clethodim 360 EC HERBICIDE if wind is likely to cause drift onto susceptible crops/plants, cropping lands or pastures. OzCrop 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.

Safe Work Australia:

Combustible liquid.

Keep away from heat, sparks, open flames and hot surfaces. - No smoking.

In case of fire, use carbon dioxide, dry chemical, foam.

May be fatal if swallowed and enters airways

IF ON SKIN: Wash with plenty of soap and water.

IF INHALED: Remove victim to fresh air and keep at rest in a position

comfortable for breathing.

May cause respiratory irritation.

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

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

MANUFACTURERS WARRANTY AND EXCLUSION OF LIABILITY

OzCrop Pty Ltd has no control over storage, handling and manner of use of this product. Where this material is not stored, handled or used correctly and in accordance with directions, no express or implied representations or warranties concerning this product (other than non-excludable statutory warranties) will apply. OzCrop Pty Ltd accepts no responsibility for any loss arising from incorrect storage, handling or use.

In a Transport Emergency Dial 000 Police or Fire Brigade

The logo for OzCrop features a stylized green leaf icon to the left of the word "OzCrop" in a bold, black, sans-serif font.

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