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

**Apparent** 

# Clethodim 360

## HERBICIDE

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

**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 specified in the Directions for Use

**IMPORTANT: Read thoroughly before opening or using this product**

APVMA Approval No: 80404/133673

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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 Apparent Clethodim 360 Herbicide more than once to any one crop.

### SPRAY DRIFT RESTRAINTS

Specific definitions for terms used in this section of the label can be found at [apvma.gov.au/spraydrift](http://apvma.gov.au/spraydrift)

DO NOT allow bystanders to come into contact with the spray cloud.

DO NOT apply in a manner that may cause an unacceptable impact to native vegetation, agricultural crops, landscaped gardens and aquaculture production, or cause contamination of plant or livestock commodities, outside the application site from spray drift. Wherever possible, correctly use application equipment designed to reduce spray drift and apply when the wind direction is away from these sensitive areas.

DO NOT apply unless the wind speed is between 3 and 20 kilometres per hour at the application site during the time of application.

DO NOT apply if there are hazardous surface temperature inversion conditions present at the application site during the time of application. Surface temperature inversion conditions exist most evenings one to two hours before sunset and persist until one to two hours after sunrise.

| Crop   | Crop Growth Stage  | Weeds Controlled   | Rate mL/ha                                |
|--|--|--|---|
| Canola,  | <b>Canola:</b> DO NOT APPLY after flower buds become visible (green buds)  | Annual Ryegrass ( <i>Lolium rigidum</i> )  | 100 to 330                                |
| Pulse Crops (including Azuki Beans, Broad Beans, Chickpeas, Faba Beans, Field Peas, Lentils+, Lupins#) | <b>Azuki Beans:</b> DO NOT APPLY after first flower buds are visible<br><b>Chickpeas:</b> DO NOT APPLY beyond full flowering   | Annual Phalaris ( <i>Phalaris minor</i> )<br>Barley Grass ( <i>Hordeum leporinum</i> )<br>Brome Grass ( <i>Bromus diandrus</i> )<br>Wild Oats ( <i>Avena</i> spp.) | 115 to 330                                |
| Pasture Legume (Lucerne, Clover and Medic)   | <b>Faba Beans, Broad Beans:</b> DO NOT APPLY beyond full flowering   | Volunteer Wheat ( <i>Triticum aestivum</i> )<br>Volunteer Oats ( <i>Avena sativa</i> )<br>Volunteer Barley ( <i>Hordeum vulgare</i> )                              | 135 to 330 (115 to 330 in WA only)<br>330 |
| Seed Crops and Pastures (including pastures containing Chicory and Plantain)                           | <b>Field Peas:</b> DO NOT APPLY beyond full flowering<br><b>Lentils:</b> Apply up to the 7 node/early branching stage of crop growth<br><b>Lupins:</b> DO NOT APPLY after 80% of flowers have opened | Silver Grass ( <i>Vulpia bromoides</i> ) - suppression only<br>Paradoxa Grass ( <i>Phalaris paradoxa</i> )   | 165 to 330<br>165 to 250<br>250 to 330    |

| Stage of Weed Growth                          | State   | Critical Comments  |
|---|---|--|
| 2 leaf to fully tillered                      | QLD, NSW, ACT, VIC, TAS, WA only              | * Always apply with Hasten at 1L/100L or Kwickin at 1L/100L or Uptake at 500mL/100L spray volume.<br><br>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.<br><br>See COMPATIBILITY AND CAUTIONS in GENERAL INSTRUCTIONS for mixture recommendations with insecticides, fungicides and other herbicides. |
| 2 to 5 leaf stage<br>5-leaf to fully tillered | NSW, ACT, VIC, TAS only<br>QLD, NSW, ACT only | + Application up to 7-node/early-branching crop growth stage only.<br><br># NOT QLD  |

| Crop   | Crop Growth Stage   | Weeds Controlled  | Rate mL/ha |
|--|---|---|------------|
| Cotton (QLD, NSW and NT only), Peanuts, Mung Beans, Soybeans<br>Pasture Legume (Lucerne, Clover and Medic)<br>Seed Crops and Pastures (including pastures containing Chicory and Plantain) | <b>Cotton:</b> DO NOT APPLY after full flowering (mid bloom)  | Barnyard Grass ( <i>Echinochloa</i> spp.)<br>Blown Grass ( <i>Agrostis aveacea</i> )  | 165 to 250 |
|  | <b>Peanuts:</b> DO NOT APPLY after the pod fill stage of crop development<br><b>Mung Beans:</b> DO NOT APPLY after first flower buds are visible<br><b>Soybeans:</b> DO NOT APPLY after first flowers are visible | Crowsfoot Grass ( <i>Eleusine indica</i> )<br>Feathertop Rhodes Grass ( <i>Chloris virgata</i> )<br>Liverseed Grass ( <i>Urochloa panicoides</i> )<br>Red Sprangletop Grass ( <i>Leptochloa filiformis</i> )<br>Seedling Johnson Grass <sup>1</sup> ( <i>Sorghum halepense</i> )<br>Summer Grass ( <i>Digitaria</i> spp.)<br>Volunteer Sorghum ( <i>Sorghum</i> spp.) | 250 to 330 |

| Stage of Weed Growth     | State                           | Critical Comments   |
|--------------------------|---------------------------------|---|
| 2 to 5 leaf stage        | QLD, NSW, ACT, VIC, WA, NT only | Always apply with Hasten at 1L/100L or Kwickin at 1L/100L or Uptake at 500mL/100L spray volume.   |
| 5-leaf to fully tillered |                                 | 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.<br>See COMPATIBILITY AND CAUTIONS in GENERAL INSTRUCTIONS for mixture recommendations with insecticides, fungicides and other herbicides.<br>See use of Select Xtra in pastures under General Instructions.<br><sup>1</sup> 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. |

| Crop  | Weeds Controlled   | Rate mL/ha | Stage of Weed Growth     |
|---|--|------------|--------------------------|
| Beetroot, Cabbage, Celery, Lettuce, Potatoes, Onions                      | Barnyard Grass ( <i>Echinochloa</i> spp.)                        | 165 to 250 | 2 to 5 leaf stage        |
|   | Blown Grass ( <i>Agrostis aveacea</i> )                          | 250 to 330 | 5-leaf to fully tillered |
|   | 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 <sup>1</sup> ( <i>Sorghum halepense</i> ) |            |                          |
|   | Summer Grass ( <i>Digitaria</i> spp.)                            |            |                          |
|   | Volunteer Sorghum ( <i>Sorghum</i> spp.)                         |            |                          |
|   | Annual Ryegrass ( <i>Lolium rigidum</i> )                        | 100 to 330 | 2 leaf to fully tillered |
|   | Annual Phalaris ( <i>Phalaris minor</i> )                        |            |                          |
|   | Barley Grass ( <i>Hordeum leporinum</i> )                        | 115 to 330 |                          |
|   | Brome Grass ( <i>Bromus diandrus</i> )                           |            |                          |
| Wild Oats ( <i>Avena</i> spp.)  |  |            |                          |
| Volunteer Wheat ( <i>Triticum aestivum</i> )                              | 130 to 330   |            |                          |
| Volunteer Oats ( <i>Avena sativa</i> )                                    | (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 | Always apply with Hasten at 1L/100L or Kwickin at 1L/100L or Uptake at 500mL/100L spray volume.<br>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.<br>See COMPATIBILITY AND CAUTIONS in GENERAL INSTRUCTIONS for mixture recommendations with insecticides, fungicides and other herbicides.<br><sup>1</sup> 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. |
| All states | Always apply with Hasten at 1L/100L or Kwickin at 1L/100L or Uptake at 500mL/100L spray volume.<br>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.<br>Use a spray volume of 150L/ha when spraying dense grass populations.   |

| Crop  | Weeds Controlled   | Rate mL/ha | Stage of Weed Growth     |
|---|--|------------|--------------------------|
| Forestry, non-bearing fruit trees and ornamentals | Annual Ryegrass ( <i>Lolium rigidum</i> )                                | 330        | 2 leaf to fully tillered |
|   | 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 <sup>1</sup> ( <i>Sorghum halepense</i> )         |            |                          |
|   | Silver Grass ( <i>Vulpia bromoides</i> ) -suppression only (not QLD, WA) |            |                          |
|   | Summer Grass ( <i>Digitaria</i> spp.)                                    |            |                          |
|   | Volunteer Barley ( <i>Hordeum vulgare</i> )                              |            |                          |
| Volunteer Oats ( <i>Avena sativa</i> )            |  |            |                          |
| Volunteer Sorghum ( <i>Sorghum</i> spp.)          |  |            |                          |
| Volunteer Wheat ( <i>Triticum aestivum</i> )      |  |            |                          |
| Winter Grass ( <i>Poa annua</i> )                 |  |            |                          |

| State      | Critical Comments   |
|------------|---|
| All states | <p>Apply after plants have recovered from transplant shock and are showing signs of active growth. Always apply with Hasten at 1L/100L or Kwickin at 1L/100L or Uptake at 500mL/100L spray volume. 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.</p> <p><sup>1</sup> 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> |

**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 (AZUKI BEANS, BROAD BEANS, CHICKPEAS, FABA BEANS, FIELD PEAS, LENTILS, LUPINS, 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 (AZUKI BEANS, BROAD BEANS, CHICKPEAS, FABA BEANS, FIELD PEAS, LENTILS, LUPINS, 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 Apparent Clethodim 360 Herbicide** Ensure that the recommended clean - out procedures for the previous product (particularly sulfonylurea herbicides) sprayed with the equipment was done properly.

**After using Apparent Clethodim 360 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 of 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 Apparent Clethodim 360 Herbicide. Add spray additive and agitate thoroughly, then add the remainder of the water. Agitate again before spraying commences.

### APPLICATION

#### Ground Application

Apparent Clethodim 360 Herbicide should be applied with calibrated spray equipment. DO NOT apply with spray droplets smaller than a MEDIUM spray droplet size category. Apply in a minimum of 50 litres of water per hectare. Use 150L/ha when spraying dense populations.

#### Aerial Application

Apparent Clethodim 360 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. 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.

### COMPATIBILITY

Grass Herbicides: Apparent Clethodim 360 Herbicide is compatible with the following grass herbicides: Targa\*, Fusilade\*, Verdict\*, Serfin\* and Correct\*(refer to the product label for detail on adjuvant recommendations for that product).

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

Insecticides: Apparent Clethodim 360 Herbicide may be applied in tank mixtures with the following products: alpha-cypermethrin and omethoate. Apparent Clethodim 360 Herbicide should not be applied in tank mixtures with diflufenican, bentazone or acifluorfen. Apply as separate applications. For information on compatibility of products not listed, please refer to AIRR Apparent Pty Ltd.

### RESISTANT WEEDS WARNING

#### GROUP 1 HERBICIDE

Apparent Clethodim 360 Herbicide is a member of the cyclohexanedione group of herbicides. Apparent Clethodim 360 Herbicide has the inhibition of acetyl CoA carboxylase mode of action. For weed resistance management, Apparent Clethodim 360 Herbicide is a Group 1 herbicide. Some naturally occurring weed biotypes resistant to Apparent Clethodim 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 Apparent Clethodim 360 Herbicide or other Group 1 herbicides. Since the occurrence of resistant weeds is difficult to detect prior to use, AIRR Apparent Pty Ltd accepts no liability for any losses that may result from the failure of Apparent Clethodim 360 Herbicide to control resistant weeds.

### CAUTION

Ornamentals and Trees - While Apparent Clethodim 360 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 Apparent Clethodim 360 Herbicide if wind is likely to cause drift onto susceptible crops/plants, cropping lands or pastures. Apparent Clethodim 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 cool, well-ventilated area. DO NOT store for prolonged periods in 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, puncture or shred 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 500mm 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 the eyes and skin. Avoid contact with 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 131126; New Zealand 0800 764 766. If swallowed, DO NOT induce vomiting. If in eyes wash out immediately with water.

### SAFETY DATA SHEET

Additional information is listed in the safety data sheet (SDS). A safety data sheet for Apparent Clethodim 360 Herbicide is available from AIRR Apparent Pty Ltd on request.

**CONDITIONS OF SALE:** AIRR Apparent Pty Ltd 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 AIRR Apparent's skill or judgment in purchasing or using the same and every person dealing with this product does so at his own risk absolutely. No representative of AIRR Apparent Pty Ltd has any authority to add to or alter these conditions.

\* Other trademarks

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