

# CAUTION

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



## CLETHODIM 240 EC

**Selective Herbicide**

**ACTIVE CONSTITUENT: 240 g/L CLETHODIM  
SOLVENT: 606 g/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, Lettuce, Mung Beans, Non-Bearing Fruit Trees, Onions, Ornamentals, Peanuts, Potatoes and Soybeans as per the Directions for Use.

**IMPORTANT: READ THE ATTACHED LEAFLET BEFORE  
OPENING OR USING THIS PRODUCT**

---

**Swan Chemical Holdings Pty. Ltd.**

Address: u2/9 Glossop St Wangara WA 6065.

PH: 1300 289 520 E: [info@swanchemicalholdings.com](mailto:info@swanchemicalholdings.com)

W: [swanchemicalholdings.com](http://swanchemicalholdings.com)

---

**20L**

**110L**

**1000L**

SWAN

# CLETHODIM 240 EC SELECTIVE HERBICIDE

## STORAGE AND DISPOSAL

Store in the closed, original container in a 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.

## SAFETY DIRECTIONS

Harmful if swallowed. Will irritate the eyes and skin. Avoid contact with eyes and skin.

When using together with other products, consult their label safety directions. 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 and face shield or goggles and contaminated clothing.

## FIRST AID INSTRUCTIONS

If poisoning occurs contact a doctor or Poisons Information Centre. Phone Australia 13 11 26. If swallowed, DO NOT induce vomiting.

## SAFETY DATA SHEET

Additional information is listed in the Safety Data Sheet (SDS) that can be obtained from the supplier.

## LIMIT OF WARRANTY AND LIABILITY

Swan Chemical Holdings Pty Ltd. ('Swan') warrants that this material conforms to the chemical description on the label. As the use of product sold is beyond the control of Swan, 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 reformulation. No license under any non-Australian patent is granted or implied by purchase of this container.

**IN EMERGENCY DIAL**

**000**

**POLICE OR FIRE BRIGADE**

**24HR EMERGENCY RESPONSE:**

**AU +61 1800 951 288**

**NZ +64 800 700 112**

APVMA Approval No: 95483/145798

DOM:

Batch No:



# CAUTION

KEEP OUT OF REACH OF CHILDREN

READ SAFETY DIRECTIONS BEFORE OPENING OR USING



SWAN

# CLETHODIM 240 EC

Selective Herbicide

**ACTIVE CONSTITUENT: 240 g/L CLETHODIM**

**SOLVENT: 606 g/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, Lettuce, Mung Beans, Non-Bearing Fruit Trees, Onions, Ornamentals, Peanuts, Potatoes and Soybeans as per the Directions for Use.

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

APVMA Approval No: 95483/145798

**Swan Chemical Holdings Pty. Ltd.**

Address: u2/9 Glossop St Wangara WA 6065.

PH: 1300 289 520 E: info@swanchemicalholdings.com

W: swanchemicalholdings.com

## **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 a one hour of application.

DO NOT apply Swan Clethodim 240 EC Selective 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 1 to 2 hours before sunset and persist until 1 to 2 hours after sunrise.

CROP	CROP GROWTH STAGE	WEEDS CONTROLLED	RATE mL/ha
Canola, Chickpeas, Faba beans, Field peas, Lentils @, Lupins #	<b>Canola:</b> DO NOT APPLY after flower buds become visible (green buds)	Annual Ryegrass ( <i>Lolium rigidum</i> ) Annual Phalaris ( <i>Phalaris minor</i> )	150 to 250
	<b>Chickpeas:</b> DO NOT APPLY beyond full flowering	Barley Grass ( <i>Hordeum leporinum</i> ) Brome grass ( <i>Bromus diandrus</i> ) Wild Oats ( <i>Avena</i> spp.)	175 to 250
	<b>Faba beans:</b> DO NOT APPLY beyond full flowering	Volunteer Wheat ( <i>Triticum aestivum</i> ) Volunteer Oats ( <i>Avena sativa</i> )	200* to 250* (175 to 250 in WA only)
	<b>Field peas:</b> DO NOT APPLY beyond full flowering	Volunteer Barley ( <i>Hordeum vulgare</i> )	250
	<b>Lentils:</b> Apply up to 7 nodes / early branching stage of crop growth	Silver grass ( <i>Vulpia bromoides</i> ) – suppression only	250 to 500
	<b>Lupins:</b> DO NOT APPLY after 80% of flowers have opened	Paradoxa grass, ( <i>Phalaris paradoxa</i> )	250 - 375 375
Cotton (Qld, NSW and NT only), peanuts, Mung Beans, Soybeans	<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 flowers are visible	Barnyard grass ( <i>Echinochloa</i> spp.) Blown grass ( <i>Agrostis aveacea</i> ) Crowfoot grass ( <i>Eleusine indica</i> ) Feathertop Rhodes grass ( <i>Chloris virgata</i> ) Liverseed grass ( <i>Urochloa panicoides</i> ) Red Spangletop grass ( <i>Leptochloa filiformis</i> ) Seedling Johnson grass ( <i>Sorghum halepense</i> ) Summer grass ( <i>Digitaria</i> spp.) Volunteer Sorghum ( <i>Sorghum</i> spp.)	250 - 375 375

STAGE OF WEED GROWTH	STATE	CRITICAL COMMENTS
2 leaf to fully tillered	Qld, NSW, ACT, Vic, Tas, WA only	<p>* Always apply with DC Trate at 2 L/ha or Hasten at 1 L/ha 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 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 Queensland</p>
	NSW, ACT, Vic, Tas only	
2 to 5 leaf stage 5-leaf to fully tillered	Qld, NSW, ACT only	
2 to 5 leaf stage 5-leaf to fully tillered	Qld, NSW, ACT, Vic WA, NT only	<p>Always apply with DC Trate at 2 L/ha or Hasten at 1 L/ha 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 CAUTIONS in GENERAL INSTRUCTIONS for mixture recommendations with insecticides, fungicides and other herbicides.</p>

CROP	WEEDS CONTROLLED	RATE mL/ha	STAGE OF WEED GROWTH
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 Spangletop grass ( <i>Leptochloa filiformis</i> ) Seedling Johnson grass ( <i>Sorghum halepense</i> ) Summer grass ( <i>Digitaria</i> spp.) Volunteer Sorghum ( <i>Sorghum</i> spp.)	250 - 375 375	2 to 5 leaf stage 5-leaf to fully tillered
	Annual Ryegrass ( <i>Lolium rigidum</i> ) Annual Phalaris ( <i>Phalaris minor</i> )	150 to 250	2 leaf to fully tillered
	Barley Grass ( <i>Hordeum leporinum</i> ) Brome grass ( <i>Bromus diandrus</i> ) Wild Oats ( <i>Avena</i> spp.)	175 to 250	
	Volunteer Wheat ( <i>Triticum aestivum</i> ) Volunteer Oats ( <i>Avena sativa</i> )	200* to 250 *(175 to 250 in WA only)	
	Volunteer Barley ( <i>Hordeum vulgare</i> )	250	
	Silver grass ( <i>Vulpia bromoides</i> ) - suppression only (not Qld, WA)	250 to 500	
	Winter grass ( <i>Poa annua</i> )	500	
	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 ( <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> )	

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

STATE	CRITICAL COMMENTS
All States	<p>Always apply with DC Trate at 2 L/ha or Hasten at 1 L/ha 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>
All States	<p>Always apply with DC Trate at 2 L/ha or Hasten at 1 L/ha 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>
All States	<p>Apply after plants have recovered from transplant shock and are showing signs of active growth.</p> <p>Always apply with DC Trate at 2 L/ha or Hasten at 1 L/ha or Kwickin at 1 L/100 L or Uptake at 500 mL/100 L 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>



## 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

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:

Canola, Chickpeas, Faba Beans, Field Peas, Lentils, Lupins, Mung Beans, 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 Swan Clethodim 240

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

#### After using Swan Clethodim 240

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 Swan Clethodim 240. Add spray additive and agitate thoroughly, then add the remainder of the water. Agitate again before spraying commences.

### APPLICATION

#### Ground Application

Swan Clethodim 240 EC Selective Herbicide should be applied with calibrated spray equipment producing medium droplet size. Apply in a minimum of 50 litres of water per hectare. Use 150 L/ha when spraying dense populations.

#### Aerial Application

Swan Clethodim 240 EC Selective 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 deliver fine to medium spray droplet size. 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

NOTE: In all situations where Swan Clethodim 240 EC Selective Herbicide is mixed with another grass herbicide, Swan Clethodim 240 EC Selective Herbicide should be used at the full label rate specified for the target weed species.

Swan Clethodim 240 EC Selective 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 Swan Chemical Holdings Pty Ltd.

## CAUTION

Ornamentals and Trees - While Swan Clethodim 240 EC Selective 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.

## RESISTANCE WEEDS WARNING

GROUP	1	HERBICIDE
-------	---	-----------

Swan Clethodim 240 EC Selective Herbicide is a member of the cyclohexanedione group of herbicides. Swan Clethodim 240 EC Selective has the inhibition of acetyl CoA carboxylase mode of action. For weed resistance management, Swan Clethodim 240 is a Group 1 herbicide. Some naturally occurring weed biotypes resistant to Swan Clethodim 240 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 Swan Clethodim 240 or other Group 1 herbicides.

Since the occurrence of resistant weeds is difficult to detect prior to use, Swan Chemical Holdings Pty Ltd accepts no liability for any losses that may result from the failure of Swan Clethodim 240 EC Selective Herbicide to control resistant weeds.

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

DO NOT apply Swan Clethodim 240 EC Selective Herbicide if wind is likely to cause drift onto susceptible crops/plants, cropping lands or pastures. Swan Clethodim 240 EC 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 watercourses with the chemical or used containers.

## STORAGE AND DISPOSAL

Store in the closed, original container in a 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.

## SAFETY DIRECTIONS

Harmful if swallowed. Will irritate the eyes and skin. Avoid contact with eyes and skin.

When using together with other products, consult their label safety directions. 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 and face shield or goggles and contaminated clothing. 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 and face shield or goggles and contaminated clothing.

**FIRST AID INSTRUCTIONS**

If poisoning occurs contact a doctor or Poisons Information Centre. Phone Australia 13 11 26. If swallowed, DO NOT induce vomiting.

**SAFETY DATA SHEET**

Additional information is listed in the Safety Data Sheet (SDS) that can be obtained from the supplier.

**LIMIT OF WARRANTY AND LIABILITY**

Swan Chemical Holdings Pty Ltd. ('Swan') warrants that this material conforms to the chemical description on the label. As the use of product sold is beyond the control of Swan, 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 reformulation. No license under any non-Australian patent is granted or implied by purchase of this container.

<b>IN EMERGENCY DIAL 000 POLICE OR FIRE BRIGADE</b>	<b>24HR EMERGENCY RESPONSE: AU +61 1800 951 288 NZ +64 800 700 112</b>
-------------------------------------------------------------	--------------------------------------------------------------------------------