

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

Sabakem

Clethodim 240EC®

Selective Herbicide

ACTIVE CONSTITUENT: 240 g/L CLETHODIM
SOLVENT: 663 g/L LIQUID HYDROCARBONS

GROUP **A** 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 per the Directions for Use Table.

IMPORTANT: READ THIS LEAFLET BEFORE OPENING OR USING THIS PRODUCT

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Leaflet_1117

APVMA Approval No: 67485/56165

GENERAL INSTRUCTIONS

RESISTANT WEEDS WARNING

Sabakem Clethodim 240EC® Selective Herbicide is a member of the cyclohexanedione group of herbicides.

Sabakem Clethodim 240EC® Selective Herbicide has the inhibitor of acetyl coA carboxylase mode of action. For weed resistance management Sabakem Clethodim 240EC® Selective Herbicide is a Group A Herbicide. Some naturally occurring weed biotypes resistant to Sabakem Clethodim 240EC® 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 Sabakem Clethodim 240EC® Selective Herbicide or other Group A Herbicides. Since the occurrence of resistant weeds is difficult to detect prior to use, Sabakem Pty Ltd accepts no liability for any losses that may result from the failure of Sabakem Clethodim 240EC® Selective Herbicide to control resistant weeds.

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

Sabakem Clethodim 240EC® Selective Herbicide should be applied with calibrated spray equipment producing a median droplet range of 200 to 300 microns VMD. Apply in a minimum of 50 litres of water per hectare. Use 150 L/ha when spraying dense populations.

Aerial Application

Sabakem Clethodim 240EC® 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 droplets in the range of 200 to 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.

COMPATABILITY

Sabakem Clethodim 240EC® Selective Herbicide is compatible with dicamba/MCPA, Sabakem 2,4-D 300® Herbicide and Sabakem 2,4-D 625® Selective Herbicide.

Sabakem Clethodim 240EC® Selective Herbicide is compatible with the following grass herbicides: quizalofop-p-ethyl (Targa*), fluazifop-p (Fusilade*), haloxyfop (Verdict*), sethoxydim (Sertin*) and propaquizafop (Shogun) (Refer to the Farnoz* Shogun label for detail on adjuvant recommendations for that product).

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

Sabakem Clethodim 240EC® Selective Herbicide may also be applied in tank mixtures with one of the following products:

Esfenvalerate (Sumi-Alpha), Sabakem Alpha-cypermethrin 100EC® Insecticide and omethoate (Le-Mat*).

Sabakem Clethodim 240EC® Selective Herbicide should not be applied in a tank mix with diflufenican (Brodal*), Bentazone (Basagran*) or acifluorfen (Blazer.)

Apply as separate applications.

CAUTION

Ornamentals and Trees – While Sabakem Clethodim 240EC® Selective Herbicide is generally selective to broadleaved plants (i.e. it is active against grasses), tests should always be made on a smaller 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 Sabakem Clethodim 240EC® Selective Herbicide if wind is likely to cause drift onto susceptible crops/plants, cropping lands or pastures. Sabakem Clethodim 240EC® 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 product or used containers.

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. 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 bury empty containers in a local authority landfill. If no landfill is available, bury the containers below 500mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.

Refillable containers (110L, 1000L): 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 opening the container, preparing the spray and using the prepared spray, wear cotton overalls buttoned to the neck and wrist and 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 day's use, wash gloves, 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

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

CONDITIONS OF SALE

The use of this product is beyond the control of Sabakem Pty Ltd. No warranty is expressed or implied regarding the suitability or efficiency for any purpose for which it is used by the buyer. Sabakem Pty Ltd accepts no responsibility for any consequences resulting from the use of this product. Sabakem Pty Ltd will not be held liable for any loss, injury or damage arising from the sale, supply or use of this product, whether through negligence or otherwise. No responsibility will be accepted for any consequences whatsoever resulting from the use of this product.

Additional statements required by Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia: Harmful if inhaled. May be fatal if swallowed and enters airways.

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* Not a Sabakem Pty Ltd trademark

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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 Sabakem Clethodim 240EC® Selective Herbicide more than once to any one crop.

CROP		WEEDS CONTROLLED	RATE (mL/ha)	STAGE OF WEED GROWTH	STATE	CRITICAL COMMENTS							
Canola, Chickpeas, Faba beans, Field peas, Lentils ⁽¹⁾ , Lupins [#]	<p>Canola: DO NOT APPLY after flower buds become visible (green buds).</p> <p>Chickpeas: DO NOT APPLY beyond full flowering</p> <p>Faba Beans: DO NOT APPLY beyond full flowering.</p> <p>Field Peas: DO NOT APPLY beyond full flowering.</p> <p>Lentils: Apply up to the node/early branching stage of crop growth.</p> <p>Lupins: DO NOT APPLY after 80% of flowers have opened.</p>	Annual Ryegrass (<i>Lolium rigidum</i>), Annual Phalaris (<i>Phalaris minor</i>)	150 to 500	2-leaf to fully tillered	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 CAUTIONS in GENERAL INSTRUCTIONS for mixture recommendations with insecticides, fungicides and other herbicides. (1) Application up to 7-node/early – branching crop growth stage only # Not Queensland							
		Barley Grass (<i>Hordeum leporinum</i>), Brome Grass (<i>Bromus diandrus</i>), Wild Oats (<i>Avena</i> spp.)	175 to 500										
		Volunteer wheat (<i>Triticum aestivum</i>), Volunteer oats (<i>Avena sativa</i>)	200 to 500 (175 to 500 in WA only)	2 to 5 leaf stage 5 leaf to fully tillered	NSW, ACT, Vic, Tas only								
		Volunteer Barley (<i>Hordeum vulgare</i>)	500										
		Silver Grass (<i>Vulpia bromoides</i>) – suppression only	250 to 500										
		Paradox Grass (<i>Phalaris paradoxa</i>)	250 to 375 375 to 500				Qld, NSW, ACT only						
Cotton (Qld, NSW and NT only) Peanuts, Mung beans, Soybeans	<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 (<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 (<i>Sorghum halepense</i>), Summer Grass (<i>Digitaria</i> spp.), Volunteer Sorghum (<i>Sorghum</i> spp.)	250 to 375 375-500	2 to 5 leaf stage 5 leaf to fully tillered	Qld, NSW, ACT, Vic, WA, NT 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 CAUTIONS in GENERAL INSTRUCTIONS for mixture recommendations with insecticides, fungicides and other herbicides.							
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.)	250 to 375 375 to 500	2 to 5 leaf stage 5 leaf to fully tillered	All States	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. Use a spray volume of 150 L/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.								
						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.) Volunteer Wheat (<i>Triticum aestivum</i>), Volunteer Oats (<i>Avena sativa</i>) Volunteer Barley (<i>Hordeum vulgare</i>) Silver Grass (<i>Vulpia bromoides</i>) – suppression only (not Qld, WA) Winter Grass (<i>Poa annua</i>)	150 to 250	2-leaf to fully tillered	All States	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. Use a spray volume of 150 L/ha when spraying dense grass populations.			
							Barley Grass (<i>Hordeum leporinum</i>), Brome Grass (<i>Bromus diandrus</i>), Wild Oats (<i>Avena</i> spp.)	175 to 500			175 to 500		
												Volunteer Wheat (<i>Triticum aestivum</i>), Volunteer Oats (<i>Avena sativa</i>)	200 to 500 (175 to 500 WA only)
												500	
												250 to 500	
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 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>)	500	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 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 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:

CANOLA, CHICKPEAS, COTTON, FABA BEANS, FIELD PEAS, LENTILS, LUPINS, MUNG BEANS, PEANUTS, SOYBEANS: WITHHOLDING PERIOD NOT REQUIRED WHEN USED AS DIRECTED

FORESTRY: WITHHOLDING PERIOD 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:

CANOLA, CHICKPEAS, FABA BEANS, FIELD PEAS, LENTILS, LUPINS, MUNG BEANS, PEANUTS, 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 STOCKFEED.