

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

SANONDA HERBICIDE
CLETHODIM 240EC

ACTIVE CONSTITUTENT: 240 g/L CLETHODIM
SOLVENT: 606 g/L LIQUID HYDROCARBONS

GROUP A HERBACIDE

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 in the attached booklet

IMPORTANT: READ THIS LEAFLET BEFORE USING THIS PRODUCT.

APVMA Approval No.: 66433/53621



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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 Sanonda Herbicide Clethodim 240EC more than once to any one crop..

CROP	CROP GROWTH STAGE	WEEDS CONTROLLED	RATE (mL/ha)	STAGE OF WEED GROWTH	STATE	CRITICAL COMMENTS	
Canola, Chickpeas, Faba beans, Field peas, Lentils(1), Lupins#	Canola: DO NOT APPLY after flower buds become visible (green buds) Chickpeas: DO NOT APPLY beyond full flowering Faba Beans: DO NOT APPLY beyond full flowering 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 (Lolium rigidum) Annual phalaris (Phalaris minor)	150 to 250	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 Kwicken* 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 (Hordeum leporinum), Brome grass (Bromus diandrus)	175 to 250				
		Wild Oats (Avena spp.) Volunteer wheat (Triticum aestivum), Volunteer oats (Avena sativa)	200* to 250 *(175 to 250 in WA only)	2 to 5 leaf stage			NSW, ACT, Vic, Tas only
		Volunteer barley (Hordeum vulgare)	250				
		Silver grass (Vulpia bromoides) – suppression only	250 to 500				Qld, NSW, ACT only
		Paradox grass (Phalaris paradoxa)	250 to 375	5 leaf to fully tillered			
			375				

170 mm

CROP	CROP GROWTH STAGE	WEEDS CONTROLLED	RATE (mL/ha)	STAGE OF WEED GROWTH	STATE	CRITICAL COMMENTS
Cotton (Qld, NSW and NT only) Peanuts, Mung beans, Soybeans	Cotton: DO NOT APPLY after full flowering (mid bloom) Peanuts: DO NOT APPLY after the pod fill stage of crop development Mung Beans: DO NOT APPLY after first flower buds are visible Soybeans: DO NOT APPLY after first flower buds are visible	Barnyard grass (Echinochloa spp.)	250 to 375	2 to 5 leaf stage	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/100L 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.
		Blown grass (Agrostis aveacea), Crowsfoot grass (Eleusine indica) Feathertop Rhodes grass (Chloris virgata), Liverseed grass (Urochloa panicoides), Red sprangletop grass (Leptochloa filiformis), Seedling Johnson grass (Sorghum halepense), Summer grass (Digitaria spp), Volunteer sorghum (Sorghum spp).	375	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 (Echinochloa spp.) Blown grass (Agrostis aveacea), Crowsfoot grass (Eleusine indica) Feathertop Rhodes grass (Chloris virgata), Liverseed grass (Urochloa panicoides), Paradoxa grass (Phalaris paradoxa), Red sprangletop grass (Leptochloa filiformis), Seedling Johnson grass (Sorghum halepense), Summer grass (Digitaria spp), Volunteer sorghum (Sorghum spp).		250 to 375	2 to 5 leaf stage	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/100L 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.
			375	5 leaf to fully tillered		
	Annual ryegrass (Lolium rigidum) Annual phalaris (Phalaris minor)		150 to 250	2-leaf to fully tillered		
	Barley grass (Hordeum leporinum), Brome grass (Bromus diandrus), Wild Oats (Avena spp.)		175 to 250			
	Volunteer wheat (Triticum aestivum), Volunteer oats (Avena sativa)		200* to 250 *(175 to 250 in WA only)			
	Volunteer barley (Hordeum vulgare)		250			
	Silver grass (Vulpia bromoides) – suppression only (not Qld, WA)		250 to 500			
Winter grass (Poa annua)		500				

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 (<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 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.

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, soybean:

not required when used as directed.

Forestry:

not required when used as directed.

Beetroot, cabbage:

do not apply later than 7 days before

Onions:

do not apply later than 14 days before

harvest. Lettuce, potatoes:

do not apply later than 4 weeks before harvest.

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 stock feed

GENERAL INSTRUCTIONS

RESISTANT WEEDS WARNING

GROUP A HERBACIDE

Sanonda Herbicide Clethodim 240EC is a member of the cyclohexanedione group of herbicides. Sanonda Herbicide Clethodim 240EC has the inhibitor of acetyl CoA carboxylase mode of action. For weed resistance management Sanonda Herbicide Clethodim 240EC is a Group A Herbicide. Some naturally occurring weed biotypes resistant to Sanonda Herbicide Clethodim 240EC 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 Sanonda Herbicide Clethodim 240EC or other Group A Herbicides. Since the occurrence of resistant weeds is difficult to detect prior to use, SANONDA (AUSTRALIA) PTY LTD accepts no liability for any losses that may result from the failure of Sanonda Herbicide Clethodim 240EC to control resistant weeds.

CLEANING SPRAY EQUIPMENT

Before using Sanonda Herbicide Clethodim 240EC

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

After using Sanonda Herbicide Clethodim 240EC

Empty the tank and drain the whole system. Thoroughly wash inside the tank using a pressure hose, drain the tank and clean all filters in the tank, pump line and nozzles. Use of a household detergent will aid in 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 un-sued land away from desirable plants and water sources**

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

Sanonda Herbicide Clethodim 240EC 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

Sanonda Herbicide Clethodim 240EC 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

Sanonda Herbicide Clethodim 240EC 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 Sanonda Herbicide Clethodim 240EC is mixed with another grass herbicide, Sanonda Herbicide Clethodim 240EC should be used at the full label rate specified for target weed species. Sanonda Herbicide Clethodim 240EC may also be applied in tank mixtures with one of the following products: Sumi-Alpha 50 EC, Insecticide and Le-Mat*. Sanonda Herbicide Clethodim 240EC should not be applied in a tank mix with Brodal*, Basagran* or Blazer. Apply as separate applications. For information on compatibility of products not listed, please refer to Sanonda (Australia) Pty Ltd.

CAUTION

Ornamentals and Trees – While Sanonda Herbicide Clethodim 240EC 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 Sanonda Herbicide Clethodim 240EC if wind is likely to cause drift onto susceptible crops/plants, cropping lands or pastures. Sanonda Herbicide Clethodim 240EC 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 out of direct sunlight. Protect from frost. 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 the 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.

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, 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 131126). If swallowed, do NOT induce vomiting. Give a glass of water.

MATERIAL SAFETY DATA SHEET

For further information, refer to the Material Safety Data Sheet (MSDS) which is available from the supplier.

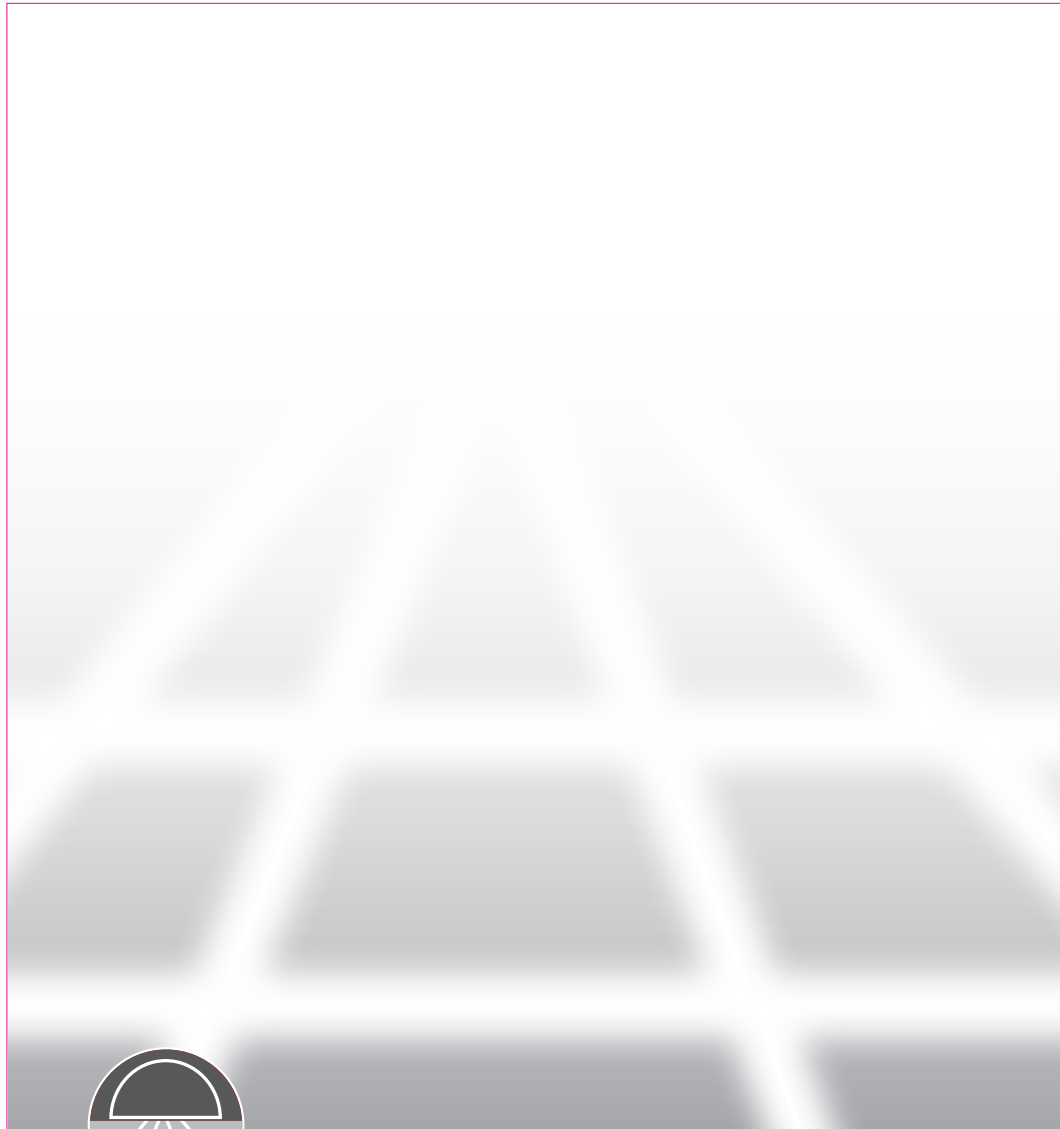
CONDITIONS OF SALE:

Sanonda Australia Pty Ltd ('Sanonda') 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 Sanonda'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 Sanonda has any authority to add to or alter these conditions.

This product is NOT considered to be a dangerous good under the Australian code for the transport of dangerous goods by road and rail. For specialist advice in emergency only, call **1800 033 111** all hours, Australia wide.

180 mm

170 mm



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