

CAUTION

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

TITAN

Clethodim

240 Herbicide

ACTIVE CONSTITUENT: 240g/L CLETHODIM

SOLVENT: 630g/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 soy beans as specified in the directions for use table.

**IMPORTANT: READ THOROUGHLY BEFORE OPENING OR
USING THIS PRODUCT.**

APVMA Approval No.: 62806/0208

Pack Size: 5L, 10L, 20L, 60L, 110L



TITAN AG Pty Ltd

3/14 Narabang Way, Belrose NSW 2085

Telephone 02 9986 2943 Fax 02 9986 2945

www.titanag.com.au

IN A TRANSPORT EMERGENCY

DIAL 000

POLICE OR FIRE BRIGADE

TRANSPORT AND HANDLING
NOT A DANGEROUS GOOD
ACCORDING TO THE AUSTRALIAN
DANGEROUS GOODS (ADG) CODE
FOR TRANSPORT BY ROAD AND RAIL.

DIRECTIONS FOR USE

Restrictions: 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 TITAN Clethodim 240 Herbicide 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 #, 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. 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 (<i>Lolium rigidum</i>), Annual Phalaris (<i>Phalaris minor</i>)	150 to 250	2-leaf to fully tillered	QLD, NSW, ACT, VIC, TAS, SA, WA only	Always apply with D-C-Trate* at 2L/100 L or Hasten* at 1L/100L or Uptake* at 500mL/100L 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. # Application up to 7-node/early-branching crop growth stage only. ## Not Queensland.	
		Barley Grass (<i>Hordeum leporinum</i>), Brome Grass (<i>Bromus dondrus</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 in WA only)				
		Volunteer Barley (<i>Hordeum vulgare</i>)	250	2 to 5 leaf stage			NSW, ACT, VIC, TAS only
		Silver Grass (<i>Vulpia bromoides</i>) – suppression only	250 to 500				
		Paradoxa Grass (<i>Phalaris paradoxa</i>)	250 to 375				
							375
Cotton (QLD, NSW, NT only) Peanuts, Mung beans, Soybeans	Cotton: DO NOT apply after full flowering. Peanuts: DO NOT apply after the pod fill stage of crop development. Mung beans: DO NOT apply after the first flower buds are visible. Soy beans: DO NOT apply after the first flower buds are visible.	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>Unochloa panicoides</i>), Red Spragletop 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	2 to 5 leaf stage 5 leaf to fully tillered	QLD, NSW, ACT, VIC, WA, NT only	Always apply with D-C-Trate at 2L/100 L or Hasten at 1L/100L or Uptake at 500mL/100L 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>Unochloa panicoides</i>), Paradoxa grass (<i>Phalaris paradoxa</i>), Red Spragletop 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	2 to 5 leaf stage	ALL STATES	Always apply with D-C-Trate at 2L/100L or Hasten at 1L/100L or Uptake at 500mL/100L 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 low spray volume of 150L/ha when spraying dense grass populations.		
		375	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 dondrus</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 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						

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</i> spp.), 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 2L/100L or Hasten at 1L/100L or Uptake at 500mL/100L spray volume. Use a low 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.

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:

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, 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

TITAN Clethodim 240 Herbicide is a member of the cyclohexanedione group of herbicides. TITAN

GROUP	A	HERBICIDE
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 Clethodim 240 Herbicide has the inhibitor of acetyl coA carboxylase mode of action. For weed resistance management TITAN Clethodim 240 Herbicide is a Group A Herbicide. Some naturally occurring weed biotypes resistant to TITAN Clethodim 240 Herbicide and other Group A Herbicides may exist through normal genetic variability in a weed population. The resistant individuals can eventually dominate the weed if these herbicides are used repeatedly. These resistant weeds will not be controlled by TITAN Clethodim 240 Herbicide or other group A herbicides.

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

CLEANING SPRAY EQUIPMENT

Before using TITAN Clethodim 240 Herbicide ensure that the recommended clean-out procedure for the previous product (particularly sulfonylurea herbicides) sprayed with the equipment was done properly.

After using TITAN Clethodim 240 Herbicide empty the tank and drain the whole system.

Thoroughly wash inside of 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 unused 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

TITAN Clethodim 240 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 150L/ha when spraying dense populations.

Aerial Application

TITAN Clethodim 240 Herbicide can be applied through aircraft fitted with boom or Micronair equipment. A spray volume of 20 to 30L/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

TITAN Clethodim 240 Herbicide is compatible with the following grass herbicides: Targa*, Fusilade*, Verdict*, Sertin* and Correct*. (Refer to the correct label for detail on adjuvant recommendations for that product.)

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

TITAN Clethodim 240 Herbicide may also be applied in tank mixtures with one of the following products: Sumi-Alpha* 50EC, Sumi-Alpha Dual, Titan Alpha Duo Insecticide and Le-Mat*.

TITAN Clethodim 240 Herbicide 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 TITAN AG Pty Ltd.

CAUTION

Ornamentals and Trees: while TITAN Clethodim 240 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 of the relevant species.

PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

DO NOT apply TITAN Clethodim 240 Herbicide if wind is likely to cause drift onto susceptible crops/plants, cropping lands or pastures.

TITAN Clethodim 240 Herbicide should not be applied through misting equipment or 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.

Envirodrum 60L & 110L Mini Bulk Returnable Container: Store the original sealed Envirodrum in a cool, well-ventilated area. DO NOT store for prolonged periods in direct sunlight. DO NOT tamper with the Micro Matic valve or the security seal. DO NOT contaminate the Envirodrum with water or any other foreign matter. After each use of the product, please ensure that the Micro Matic coupler, delivery system and hoses are disconnected, triple rinsed with clean water and drained accordingly. When the contents of the Envirodrum have been used, ensure all contents have been emptied fully into the application equipment. Close all valves and return the empty Envirodrum to the point of purchase.

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 PVC 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 13 11 26. If swallowed, do NOT induce vomiting. Give a glass of water.

MATERIAL SAFETY DATA SHEET

Additional information is listed in the material safety data sheet (MSDS). A material safety data sheet for TITAN Clethodim 240 Herbicide is available from TITAN AG Pty Ltd on request. Call Customer Service on (02) 9986 2943 or visit www.titanag.com.au

CONDITIONS OF SALE

TITAN AG 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 TITAN AG'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 TITAN AG Pty Ltd has any authority to add to or alter these conditions.

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