

POISON

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

TITAN

TRIFORTO EC

HERBICIDE

ACTIVE CONSTITUENTS: 250g/L MCPA present as the ETHYL HEXYL ESTER
250g/L BROMOXYNIL present as the OCTANOATE
25g/L DIFLUFENICAN
SOLVENT: 175g/L N-METHYL-2-PYRROLIDONE

GROUP **12** **4** **6** HERBICIDE

For the control of certain broadleaf weeds including Wild Radish with developing Group 4 and/or Group 12 herbicide resistance in winter cereals as indicated in the Directions for Use table.

APVMA Approval No.: 93011/137613

Pack Size: 20L-1000L



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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

Restraints: DO NOT apply if crop or weeds are stressed due to dry or excessively moist conditions.
DO NOT apply to crops under stress due to disease or insect damage.
DO NOT apply to frost-affected crops or if frosts are imminent.
DO NOT apply when heavy rain is expected within 4 hours.
DO NOT apply with crop oils.
DO NOT apply using aircraft.
DO NOT apply through a mister.

SPRAY DRIFT RESTRAINTS

Specific definitions for terms used in this section of the label can be found at www.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. The buffer zones in the buffer zone table below provide guidance but may not be sufficient in all situations. 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.

DO NOT apply by a boom sprayer unless the following requirements are met:

- Spray droplets not smaller than a COARSE spray droplet size category.
- Minimum distances between the application site and downwind sensitive areas (see 'Mandatory downwind buffer zones' section of the following table titled 'Buffer zones for boom sprayers') are observed.

Buffer zones for boom sprayers	Mandatory downwind buffer zones (metres)	
Application Rate	Natural aquatic areas	Vegetation areas
Up to maximum label rate	80	15

CROP	WEEDS CONTROLLED	MAXIMUM GROWTH STAGE	RATE/ha	CRITICAL COMMENTS
CEREALS Wheat, Barley, Triticale, Cereal Rye	Canola (Rape)	Up to 4 leaf stage	500mL	CROP STAGE Cereals Up to 750mL (3 leaf to fully tillered stage – Z13 to 30). Optimum results are achieved when sprayed at 3-5 leaf crop stage (generally 4-8 weeks post sowing). Over 750mL (5 leaf to fully tillered stage Z15-30). WA only: DO NOT apply to Barley or Kulin Wheat before the 5 leaf stage (Z15). Warning: The maximum litre per hectare rate is safe to use at the 3 leaf stage. TITAN Triforto EC Herbicide may cause transient crop yellowing of cereals (Refer to "Crop Tolerance" section of General Instructions). WEED STAGE Apply when weeds are actively growing. In most situations the rate specified for each weed size will give satisfactory control. Under certain conditions such as: <ul style="list-style-type: none"> • high crop and weed density • late season germinations • abnormal weed growth (including early flowering), higher rates of product (up to the maximum rate of application specified for that weed) may be required. TITAN Triforto EC Herbicide will not effectively control: <ul style="list-style-type: none"> • regrowth of suppressed weeds; • transplanted weeds; • regrowth from rhizomes or roots; • weeds growing under stress from previous herbicide applications. WILD RADISH TITAN Triforto EC Herbicide will provide residual control of Wild Radish for up to 4 weeks after application. Effective residual activity of this product may be reduced where: <ul style="list-style-type: none"> • rates lower than 1.0L/ha are used; • dry conditions prevail; • poor coverage of the soil surface is achieved; • crop is planted in non-wetting sand; • soils contain a high content of organic matter. Optimum results will be obtained if good soil moisture exists at and after application. Warning: The maximum litre per hectare rate is safe to use at the 3 leaf stage. TITAN Triforto EC Herbicide may cause transient crop yellowing of cereals (Refer to "Crop Tolerance" section of General Instructions). APPLICATION Activity of this product will be reduced if weeds are stressed. Optimum results will be obtained if good soil moisture exists at and after application. Where crop or weed density is high, water volume should be increased.
	Capeweed	Up to 2 leaf, not more than 60mm diameter	500mL	
		Up to 4 leaf, not more than 120mm diameter	1.0L	
	Charlock, Hedge Mustard, Indian Hedge Mustard, Shepherd's Purse, Turnip Weed, Wild Turnip	Up to 2 leaf, not more than 60mm diameter	500mL	
		Up to 4 leaf, not more than 120mm diameter	750mL	
		Up to 6 leaf, not more than 150mm diameter	1.0L	
	Corn Gromwell, Saffron Thistle, Toad Rush	Up to 2 leaf stage	1.0L	
	Crassula	Up to 2 leaf stage	500mL	
		Up to 4 leaf stage	750mL	
	Deadnettle	Up to 2 leaf stage	1.0L	
	Dense-Flower Fumitory	Up to 2 leaf stage	750mL	
	Purple Goosefoot	Up to 6 leaf stage	500mL	
	Sorrel	Up to 2 leaf stage	1.0L	
	Turnip Weed, Wild Turnip	Cotyledon to 2 leaf	350mL	
	Wild Radish	Up to 4 leaf, not more than 120mm diameter	500mL	
		Up to 6 leaf, not more than 150mm diameter	750mL	
		Up to 8 leaf, not more than 180mm diameter	1.0L	

CROP	WEEDS CONTROLLED	MAXIMUM GROWTH STAGE	RATE/ha	CRITICAL COMMENTS
	SUPPRESSION OF THE FOLLOWING WEEDS			
CEREALS Wheat, Barley, Triticale, Cereal Rye – <i>continued</i>	Chickweed, Fireweed, Hexham Scent (King Island Melilot), Iceplant, Mouse-Eared Chickweed, Nightscented Stock, Paterson's Curse, Peppercress, Skeleton Weed, Long Storksbill, Volunteer Lupins	Up to 4 leaf stage	1.0L	CROP STAGE Cereals Up to 750mL (3 leaf to fully tillered stage – Z13 to 30). Optimum results are achieved when sprayed at 3-5 leaf crop stage (generally 4-8 weeks post sowing). Over 750mL (5 leaf to fully tillered stage Z15-30). WA only: DO NOT apply to Barley or Kulin Wheat before the 5 leaf stage (Z15). Warning: The maximum litre per hectare rate is safe to use at the 3 leaf stage. TITAN Triforto EC Herbicide may cause transient crop yellowing of cereals (Refer to "Crop Tolerance" section of General Instructions). WEED STAGE Apply when weeds are actively growing. In most situations the rate specified for each weed size will give satisfactory control. Under certain conditions such as: • high crop and weed density • late season germinations • abnormal weed growth (including early flowering), higher rates of product (up to the maximum rate of application specified for that weed) may be required. TITAN Triforto EC Herbicide will not effectively control: • regrowth of suppressed weeds; • transplanted weeds; • regrowth from rhizomes or roots; • weeds growing under stress from previous herbicide applications. WILD RADISH TITAN Triforto EC Herbicide will provide residual control of Wild Radish for up to 4 weeks after application. Effective residual activity of this product may be reduced where: • rates lower than 1.0L/ha are used; • dry conditions prevail; • poor coverage of the soil surface is achieved; • crop is planted in non-wetting sand; • soils contain a high content of organic matter. Optimum results will be obtained if good soil moisture exists at and after application. Warning: The maximum litre per hectare rate is safe to use at the 3 leaf stage. TITAN Triforto EC Herbicide may cause transient crop yellowing of cereals (Refer to "Crop Tolerance" section of General Instructions). APPLICATION Activity of this product will be reduced if weeds are stressed. Optimum results will be obtained if good soil moisture exists at and after application. Where crop or weed density is high, water volume should be increased.
	Common Sowthistle (Milk Thistle), Cowvine, Dock, Doublegee (Spiny Emex), Fat Hen, Horehound, Hyssop Loosestrife, Marshmallow, Rough Poppy, Scarlet Pimpernel, Stemless Thistle, Tree Hogweed, Variegated Thistle, Vetch (Tares)	Up to 2 leaf stage		
	Saffron Thistle	Up to 6 leaf stage		
	Wireweed (Hogweed)	Up to 4 leaf stage	750mL	

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

WITHHOLDING PERIODS

HARVEST: NOT REQUIRED WHEN USED AS DIRECTED.

GRAZING: DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 8 WEEKS AFTER APPLICATION.

GENERAL INSTRUCTIONS

CROP TOLERANCE

After application some transient crop yellowing may occur. This usually appears as yellow or white banding on leaves. Provided the crop is not under stress from pre-emergent herbicide, root disease, insect damage, frost, dry or excessively moist conditions, the development of the crop and subsequent growth will be unaffected. Some pre-emergent herbicides, such as atrazine, can cause stress to certain crops resulting in an increase in crop damage when using this product. Subterranean clover is particularly sensitive. To reduce effect on subsequent susceptible crops (eg. Canola), ensure thorough cultivation of soil prior to the sowing of these crops.

MIXING

To ensure even mixing, half fill the spray tank with clean water and add the required amount of product. Agitate thoroughly then add the remainder of the water. Agitate again before spraying commences. Reseal part-used product container immediately after use.

Spray mixtures containing TITAN Triforto EC Herbicide should not be left to stand overnight.

Prolonged periods of exposure to cold temperatures could result in settling out of the product in the mixture.

WARNING

The rubber components present in some spraying units may be affected by exposure to the solvents in TITAN Triforto EC Herbicide and some other agricultural products. To reduce this risk it is recommended that the spray

unit be thoroughly washed with a boom cleaner and fresh water after use. Contact the spray unit manufacturer to determine the suitability of the rubber components for use with agricultural products.

COMPATIBILITY

DO NOT use crop oils with TITAN Triforto EC Herbicide or TITAN Triforto EC Herbicide tank mixtures with other products in Cereals. As formulations of other manufacturer's products are beyond the control of TITAN AG Pty Ltd, all mixtures should be tested prior to mixing commercial quantities.

APPLICATION

Boom Sprayer: Apply in a spray volume of 75-150L of water per hectare using standard boom spraying equipment. In advanced or dense weed infestations and/or dense crop canopies, increase the water volume to ensure adequate coverage.

RESISTANT WEED WARNING

TITAN Triforto EC Herbicide is a member of the nicotinamide, nitrile and phenoxy groups of herbicides and acts by inhibiting carotenoid biosynthesis at the phytoene desaturase step (PDS inhibitors), inhibiting photosynthesis at photosystem II (PS II inhibitors) and disrupting plant cell growth. For weed resistance management TITAN Triforto EC Herbicide is a Group 12, Group 4 and Group 6 herbicide. Some naturally occurring weed biotypes resistant to Titan Triforto EC Herbicide and other Group 12, Group 4 and Group 6 herbicides may exist through normal genetic variability in any weed population. The resistant individuals can eventually dominate the weed population if these herbicides

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are used repeatedly. These resistant weeds will not be controlled by TITAN Triforto EC Herbicide or other Group 12, Group 4 and Group 6 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 Triforto EC Herbicide to control resistant weeds.

Precautions: Human flaggers must be protected by engineering controls such as vehicles with enclosed cabs.

RE-ENTRY PERIOD

Nil

PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

DO NOT apply under weather conditions, or from spraying equipment, that may cause drift onto nearby susceptible plants/crops, cropping lands or pastures.

Canola, cotton, tobacco, grapevines, lupins, fruit trees, ornamentals, tomatoes and other vegetables are especially susceptible to spray drift and vapour movement.

PROTECTION OF LIVESTOCK

Grazing Precaution: Sprayed weeds may become more palatable to stock and a higher intake of some weeds may result in stock poisoning and death from causes such as nitrate poisoning. Care should be taken especially where Capeweed, Paterson's Curse and Variegated Thistles predominate in the pasture. Avoid grazing with young or breeding stock.

DO NOT graze horses or pigs on Paterson's Curse. If in doubt, contact your nearest Department of Agriculture.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

Toxic to algae. Dangerous to fish. DO NOT contaminate streams, rivers or watercourses with the chemical or used containers.

DO NOT apply by ground application to portions of fields within 20m upwind of sensitive water bodies.

DO NOT apply under meteorological conditions or from spray equipment that will cause spray drift onto non-target native vegetation or adjacent areas, and in particular avoid any natural wetland or standing water body.

DO NOT allow run-off within two days of application - avoid application to waterlogged soil, over-irrigation or use when heavy rains are forecast.

STORAGE AND DISPOSAL

Store in the closed, original container in a cool, well ventilated area. DO NOT store for prolonged periods in direct sunlight. This container can be recycled if it is clean, dry, free of visible residues and has the *drumMUSTER* logo visible. Triple rinse containers before disposal. Dispose of rinsate by adding it to the spray tank. DO NOT dispose of undiluted chemical on-site. Wash outside of the container and the cap. Store cleaned container in a sheltered place with cap removed. It will then be acceptable for recycling at any *drumMUSTER* collection point or similar container management program site. The cap should not be replaced but may be taken separately. If not recycling, break, crush or puncture 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

Product is harmful if swallowed. May irritate the eyes, nose and throat. Repeated exposure may cause allergic disorders. Sensitive workers should use protective clothing. Avoid contact with eyes, nose and throat. When opening the container and preparing product for use and using the prepared spray wear disposable dust/mist face mask covering mouth and nose. If product in eyes, wash it out immediately with water. Wash hands after use.

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 TITAN Triforto EC Herbicide is available from TITAN AG Pty Ltd on request. Call Customer Service on (02) 9999 6655 or visit 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.

Additional statements required by Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia: Combustible liquid. Harmful if swallowed. Harmful if inhaled. Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction. May damage the unborn child. Very toxic to aquatic life with long lasting effects. **Precautionary Statements:** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. No smoking. Avoid breathing dust/fume/gas/mist/vapours/spray. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection. IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth. IF ON SKIN: Wash with plenty of water. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF exposed or concerned: Get medical advice/attention. Specific treatment (see on this label). Take off contaminated clothing and wash it before reuse. If skin irritation or rash occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. In case of fire: Use CO₂, powder or water spray to extinguish. Collect spillage. Store in well-ventilated place. Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations.

