

Product Name: Titan Triforto EC Herbicide
APVMA Approval No: 93011/RV2024



Signal Headings:	DANGEROUS POISON KEEP OUT OF REACH OF CHILDREN READ SAFETY DIRECTIONS BEFORE OPENING OR USING
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Product Name:	Titan Triforto EC Herbicide
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Constituent Statements:	ACTIVE CONSTITUENT: 250 g/L MCPA present as the ethyl hexyl ester, 250 g/L BROMOXYNIL present as the octanoate, 25 g/L DIFLUFENICAN SOLVENT: 175 g/L N-METHYL-2-PYRROLIDONE
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Mode of Action:	GROUP 12 4 6 HERBICIDE
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Statement of Claims:	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.
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Net Contents:	20L-1000L
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Restraints:	<p>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</p> <p>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 relevant buffer zone table/s 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.</p>
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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

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

Directions for Use:	This section contains file attachment.
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Withholding Periods:	<p>HARVEST: NOT REQUIRED WHEN USED AS DIRECTED.</p> <p>GRAZING: DO NOT GRAZE OR CUT FOR STOCK FOOD FOR STOCK FOR 8 WEEKS AFTER APPLICATION</p>
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Trade Advice:	
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General Directions:	<p>CROP TOLERANCE</p> <p>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 (e.g. canola), ensure thorough cultivation of soil prior to the sowing of these crops.</p> <p>MIXING</p> <p>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.</p> <p>WARNING</p> <p>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.</p> <p>COMPATIBILITY</p> <p>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,</p>
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	<p>all mixtures should be tested prior to mixing commercial quantities.</p> <p>APPLICATION</p> <p>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.</p>
Resistance Warning:	<p>RESISTANT WEED WARNING</p> <p>Titan Triforto EC Herbicide is a member of the nicotinanilide, 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.</p> <p>The resistant individuals can eventually dominate the weed population if these herbicides 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.</p>
Precautions:	<p>Human flaggers must be protected by engineering controls such as vehicles with enclosed cabs.</p> <p>RE-ENTRY PERIOD</p> <p>Nil</p>
Protection Statements:	<p>PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS</p> <p>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.</p> <p>PROTECTION OF LIVESTOCK</p> <p>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.</p> <p>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.</p> <p>PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT</p> <p>Toxic to algae. Dangerous to fish.</p> <p>DO NOT contaminate streams, rivers or watercourses with the chemical or used containers.</p>

	<p>DO NOT apply by ground application to portions of fields within 20m upwind of sensitive water bodies.</p> <p>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.</p> <p>DO NOT allow run-off within two days of application - avoid application to waterlogged soil, over-irrigation or use when heavy rains are forecast.</p>
Storage and Disposal:	<p>This product must be stored in a locked room or place away from children, animals, food, feedstuffs, seed and fertilisers. 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.</p> <p>For refillable containers: Empty contents fully into application equipment. Close all valves and return to point of supply for refill or storage.</p>
Safety Directions:	<p>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.</p>
First Aid Instructions:	<p>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.</p>
First Aid Warnings:	

DIRECTIONS FOR USE

CROP	WEEDS CONTROLLED	MAXIMUM GROWTH STAGE	RATE /ha	CRITICAL COMMENTS
CEREALS Wheat, Barley, Triticale, Cereal rye	Canola (rape)	Up to 4 leaf	500 mL	<p>CROP STAGE</p> <p>Cereals</p> <p>Up to 750mL (3 leaf to fully tillered stage - Z13 to 30). Over 750mL (5 leaf to fully tillered stage Z15-30)</p> <p>Optimum results are achieved when sprayed at 3-5 leaf crop stage (generally 4-8 weeks post sowing).</p> <p>WA only: DO NOT apply to Barley or Kulin Wheat before the 5 leaf stage (Z15).</p> <p>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).</p> <p>WEED STAGE</p> <p>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:</p> <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. <p>Titan Triforto EC Herbicide will not effectively control:</p> <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. <p>WILD RADISH</p> <p>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:</p> <ul style="list-style-type: none"> • rates lower than 1.0 L/ha are used; • dry conditions prevail; • poor coverage of the soil surface is achieved;
	Capeweed	Up to 2 leaf, not more than 60 mm diameter	500 mL	
		Up to 4 leaf, not more than 120 mm diameter	1.0 L	
	Charlock, hedge mustard, Indian hedge mustard, shepherd's purse, turnip weed, wild turnip	Up to 2 leaf, not more than 60 mm diameter	500 mL	
		Up to 4 leaf, not more than 120 mm diameter	750 mL	
		Up to 6 leaf, not more than 150 mm diameter	1.0 L	
	Corn Gromwell, Saffron Thistle, Toad Rush	Up to 2 leaf stage	500 mL	
	Crassula	Up to 2 leaf	500 mL	
		Up to 4 leaf	750 mL	
	Deadnettle	Up to 2 leaf stage	1.0L	
	Dense-Flower Fumitory	Up to 2 leaf	750 mL	
	Purple Goosefoot	Up to 6 leaf	500 mL	

	Sorrel	Up to 2 leaf stage	1.0L	<ul style="list-style-type: none">• 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. <p>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).</p> <p>APPLICATION</p> <p>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.</p>
	Turnip Weed, Wild Turnip	Cotyledon to 2 leaf	350 mL	
	Wild Radish	Up to 4 leaf, not more than 120 mm diameter	500 mL	
		Up to 6 leaf, not more than 150 mm diameter	750 mL	
		Up to 8 leaf, not more than 180 mm diameter	1.0 L	
	SUPPRESSION OF THE FOLLOWING WEEDS			
	Chickweed, Fireweed, Hexham Scent (King Island Melilot), Iceplant, Mouse-Eared Chickweed, Nightscented Stock, Paterson’s Curse, Peppergrass, Skeleton Weed, Long Storksbill, Volunteer Lupins	Up to 4 leaf stage	1.0 L	
	Common Sowthistle (Milk Thistle), Cowvine, Dock, Doublegee (Spiny Emex),	Up to 2 leaf stage		

	Fat Hen, Horehound, Hyssop Loosestrife, Marshmallow, Rough Poppy, Scarlet Pimpernel, Stemless Thistle, Tree Hogweed, Variegated Thistle, Vetch (Tares)			
	Saffron Thistle	Up to 6 leaf stage		
	Wireweed (Hogweed)	Up to 4 leaf stage	750 mL	

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