POISON

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

TITAN



For the control of weeds in wheat, oats, barley, cereal rye and triticale (alone or undersown), linseed, clover and lucerne pastures, turf, fallow, non-crop, roadsides and rights-of-way as per directions for use table.

APVMA Approval No.: 61796/0909

Pack Size: 5L; 20L; 110L; 120L; 220L; 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: D0 NOT apply by mister machines.

D0 NOT apply if crops or weeds are stressed due to excessively dry or moist conditions.

D0 NOT apply to diseased or frost-affected crops or if frosts are imminent.

D0 NOT apply if rain is expected within three hours.

DO NOT apply to lucerne crops or clover based pastures or turf in temperatures above 20°C or when temperatures above 20°C may follow for some days after application.

SITUATION & CROP	WEEDS CONTROLLED STAGE	WEED	STATE	RATE	CRITICAL COMMENTS	
& CROP Wheat, Barley, Cereal Rye, Oats, Triticale including those undersown with Clover, Lucerne or Medic (VIC only); Linseed, Clover or Lucerne Pastures; Lotus seed or forage crops (QLD only)	Amsinckia (Amsinckia spp.), Black Bindweed (Climbing Buckwheat) (Fallopia convolvulus), Capeweed (Arctotheca calendula), Chamomile (Matricaria matricarioides), Common Peppercress (Lepidium africanum), Corn Gromwell (Ironweed, Sheepweed) (Buglossoides arvensis), Fat Hen (Chenopodium album), Field Madder (Sherardia arvensis), Lesser Swinecress (Coronopus didymus), Mountain Sorrel (Oxalis acetosella), Purple Calandrinia (Calandrinia menziesii), Saffron Thistle (Carthamus lanatus), Shepherd's Purse (Capsella bursa-pastoris), Three- horned Bedstraw (Gallium tricornutum), Tree Hogweed (Polygonum patulum), Variegated Thistle (Silybum marianum) Mexican Poppy (Argemone ochroleuca),	Up to the 4 leaf stage or when plants are no more than 35mm in diameter Up to the 6 leaf stage or when plants are no more than 50mm in diameter Up to the 4 leaf	ALL STATES 1.4L/ha 2.0L/ha ALL 2.0L/ha		CROP STAGE: Wheat, Barley, Cereal Rye, Oats and Triticale: 3 leaf to full tillering (Z13-30). Linseed: 50 to 150mm high. Lucerne and Clover: After seedlings have one trifoliate leaf or before there is 150mm regrowth in established stands. Lotus: Apply post-emergence at least 4 weeks after sowing (crop seedlings with a minimum of 2-6 true leaves). APPLICATION: Refer to General Instructions. Avoid application when maximum daily temperatures above 20°C occur, or are likely to occur for a few days after application. Good coverage of the spray on the weed is essential. Apply only in the autumn and winter (mid April to end of August). For optimum control, apply only when the weed are actively growing and before the weeds are shielded it	
	Three Cornered Jack (Doublegee, Spiny Emex) (<i>Emex australis</i>), Turnip Weed (Giant Mustard) (<i>Rapistrum rugosum</i>), Wild Radish (<i>Raphanus raphanistrum</i>), Wild Mustard (<i>Sisymbrium</i> spp.), Wild Turnip (<i>Brassica tournefortii</i>), Wireweed** (<i>Polygonum aviculare</i>), Paterson's Curse# (Salvation Jane) (<i>Echium plantagineum</i>) Fumitories* (<i>Fumaria</i> spp.)	stage or when plants are no more than 50mm in diameter	QLD, NSW, ACT, VIC, SA, WA only	Z.UL/IIa	the crop. Caution: Lucerne and Clover: This product will cause slight leaf burning of undersown Lucerne and Clover. DO NOT apply to Persian clover or Berseem clover. Linseed: DO NOT spray Linseed by aerial application. Lotus: Some initial scorching of leaves may occur in som cases. Medics: Application to some cultivars of medics may result in unacceptable crop damage in some situations. # Effective control of Patterson's Curse and Fumitories will only be obtained under good growing conditions. ## Where Wireweed is growing under stress, it has been found to be less susceptible.	
	Pheasant's Eye (<i>Adonis microcarpa</i>), Birds Eye (Carrot Weed) (<i>Cotula australis</i>)	Up to the 4 true leaf stage Greater than the 4 true leaf stage	SA only	700mL/ha 1.4L/ha	DO NOT use where undersown Medics occur.	
	Fireweed (Senecio spp.)	Prior to flower development Early flowering stage	QLD, NSW, ACT only	1.4L/ha 2.8L/ha	Apply during the autumn-winter period when the weeds are young and actively growing.	
Wheat, Barley, Cereal Rye, Oats, Triticale including those undersown with Clover, Lucerne or Medics Clover Seed Crops	Amsinckia (Amsinckia spp.), Capeweed (Arctotheca calendula), Chamomile (Matricaria matricarioides), Charlock (Sinapis arvensis), Corn Gromwell (Ironweed, Sheepweed) (Buglossoides arvensis), Fat Hen (Chenopodium album), Field Madder (Sherardia arvensis), Hexham Scent (King Island Melilot) (Melilotus indicus), Horned Poppy (Glaucium flavum), Indian Hedge Mustard (Sisymbrium orientale), Lesser Swinecress (Coronopus didymus), Mexican Poppy (Argemone ochroleuca), Mintweed (Salvia reflexa), Purple Calandrinia (Calandrinia menziesii), Paterson's Curse (Salvation Jane) (Echium plantagineum), Rough Poppy (Papaver hybridum), Saffron Thistle (Carthamus lanatus), Shepherd's Purse (Capsella bursa-pastoris), Slender Thistle (Carduus tenuiflorus), Turnip Weed (Giant Mustard) (Rapistrum rugosum), Wild Radish (Raphanus raphanistrum)	Up to 5 leaf stage or when plants are no more than 50 mm in diameter	VIC, SA only	750mL/ha plus 440mL 2,4-D Amine 625 per ha OR plus 700mL MCPA 500/ ha 1.4L/ha plus 440mL 2,4-D Amine 625 per ha OR plus 700mL MCPA 500/ ha	CROP STAGE: Cereals: 3 leaf to full tillered (Z13-30). Clover: Apply after clover seedlings have at least three trifoliate leaves. APPLICATION: Refer to General Instructions. Avoid application when maximum daily temperatures above 20°C occur, or are likely to occur for a few days after application. Apply only in the autumn and winter (mid April to end of August). Apply only when the weeds are actively growing and before the weeds are shielded by the crop. Caution: Some damage and/or yield loss may occur in Olympic and Shortim wheat cultivars. DO NOT apply to Persian clover or Berseem clover. A slight burning of clover may occur. DO NOT use 2,4-D or MCPA tank mix if wheat, oats, barley or triticale are undersown with lucerne, clover or medics unless some damage is acceptable. This product may be tank mixed with diclofop-methyl for control of Annual Rye Grass and Wild Oats in wheat and barley only. DO NOT use 2,4-D or MCPA tank mix if using a tank mix with diclofop-methyl.	



SITUATION & CROP	WEEDS CONTROLLED STAGE	WEED	STATE	RATE	CRITICAL COMMENTS			
Wheat, Barley, Cereal Rye, Oats, Triticale including those undersown with Clover, Lucerne or Medics	Common Peppercress (<i>Lepidium africanum</i>), Tree Hogweed (<i>Polygonum patulum</i>) Black Bindweed (Climbing Buckwheat)	Up to 5 leaf stage or when plants are no more than 50mm in diameter Up to the 8 leaf	VIC only	1.4L/ha plus 440mL 2,4-D Amine 625 per ha	CROP STAGE: Cereals: 3 leaf to full tillered (Z13-30). Clover: Apply after clover seedlings have at least three trifoliate leaves. APPLICATION: Refer to General Instructions. Avoid			
	(Fallopia convolvulus)	stage	only	OR plus 700mL MCPA 500/ ha	application when maximum daily temperatures above 20°C occur, or are likely to occur for a few days after application. Apply only in the autumn and winter (mid Apri to end of August). Apply only when the weeds are actively growing and before the weeds are shielded by the crop.			
Clover Seed Crops – continued					Caution: Some damage and/or yield loss may occur in Olympic and Shortim wheat cultivars. DO NOT apply to Persian clover or Berseem clover. A slight burning of clover may occur.			
					DO NOT use 2,4-D or MCPA tank mix if wheat, oats, barley or triticale are undersown with Lucerne, Clover or Medics unless some damage is acceptable. This product may be tank mixed with diclofop-methyl for control of Annual Rye Grass and Wild Oats in Wheat and Barley only.			
					DO NOT use 2,4-D or MCPA tank mix if using a tank mix with diclofop-methyl.			
Wheat, Oats, Barley, Triticale alone or with undersown Lucerne or	Common Sowthistle (Sonchus oleraceus)				APPLICATION: Refer to General Instructions. Avoid application when maximum daily temperatures above 20°C occur, or are likely to occur for a few days after application. Good coverage of the spray on the weed is essential. Apply only in the autumn and winter (mid April to end of August). For optimum control, apply only when the weeds are actively growing and before the weeds are shielded by the crop.			
Clover					Caution: Lucerne and Clover: This product will cause slight leaf burning of undersown Lucerne and Clover. DO NOT apply to Persian clover or Berseem clover.			
		Up to 4 leaves	QLD, Nthn NSW only	1.4L/ha	Strictly for use on small weeds early in crop before shading out. CROP STAGE: Wheat, Barley, Oats and Triticale: 3 leaf to mid tillering (Z13-23).			
					Use a minimum spray volume of 70L/ha. If Group B resistance is suspected, or weeds have grown through a previous application of chlorsulfuron apply 2.1L/ha.			
		4 to 8 leaves		2.1L/ha	CROP STAGE: Wheat, Barley, Oats and Triticale: 3 leaf to full tillering (Z13-30). This product may cause slight leaf burning of undersown lucerne and clover.			
Wheat, Barley,	Three Cornered Jack (Doublegee, Spiny Emex) (<i>Emex australis</i>), Wireweed	Up to the 4 leaf stage or when	QLD, NSW,	1.4L/ha plus 440mL	CROP STAGE: 5 leaf to full tillering (Z15-30). Apply under good growing conditions.			
Oats and Triticale	(<i>Polygonum aviculare</i>), Variegated Thistle (<i>Silybum marianum</i>)	plants are no more than 50mm in diameter	ACT, TAS, SA only QLD, NSW, ACT, VIC only	2,4-D Amine 625 per ha OR plus 700mL MCPA 500/ ha	Boom Spraying: Use a minimum of 220L spray per hectare on Black Bindweed when crop is greater than 300mm high.			
	Fumitories (<i>Fumaria</i> spp.)				Caution: Some crop damage and/or yield loss may occur in Olympic and Shortim wheat cultivars. DO NOT use 2,4-D or MCPA tank mix if Wheat, Oats, Barley or Triticale are undersown with Lucerne, Clover or Medics unless some damage is acceptable. DO NOT apply to Medics (WA only). This product may be			
	Wild Mustard (<i>Sisymbrium</i> spp.), Wild Turnip (<i>Brassica tournefortii</i>)		QLD, VIC only					
	Cleavers	2-4 stems + 1-3 whorls or leaves/ stems	QLD, NSW, ACT, VIC, TAS only		tank mixed with diclofop-methyl for control of Annual Rye Grass and Wild Oats in Wheat and Barley only. DO NOT use 2,4-D or MCPA tank mix if using a tank mix with diclofop-methyl.			
	Three Cornered Jack (Doublegee, Spiny Emex) (<i>Emex australis</i>), Wireweed (<i>Polygonum aviculare</i>)	4-5 leaf stage	WA only		APPLICATION: Refer to General Instructions. Avoid application when maximum daily temperatures above 20°C occur, or are likely to occur for a few days after application.			



SITUATION & CROP	WEEDS CONTROLLED STAGE	WEED	STATE	RATE	CRITICAL COMMENTS	
Wheat, Barley,	Three Cornered Jack (Doublegee, Spiny Emex) (<i>Emex australis</i>), Wireweed	4-5 leaf stage	QLD, NSW,	2.1L/ha plus 440mL 2,4-D Amine 625 per ha OR plus 700mL	CROP STAGE: 5 leaf to full tillering (Z15-30). Apply under good growing conditions.	
Oats and Triticale - continued	(Polygonum aviculare)		ACT, VIC, TAS, SA only		Boom Spraying: Use a minimum of 220L spray per hectare on Black Bindweed when crop is greater than 300mm high.	
Fumitories (<i>Fumaria</i> spp.)			QLD, NSW, ACT, VIC, SA only	Caution: Some crop damage and/or yield loss may occur in Olympic and Shortim wheat cultivars. DO NOT use 2,4-D or MCPA tank mix if wheat, oats, barley or triticale are undersown with lucerne, clover or medics unless some damage is acceptable.		
	Black Bindweed (Climbing Buckwheat) (Fallopia convolvulus), Chamomile (Matricaria matricarioides), Fat Hen (Chenopodium album), Field Madder (Sherardia anensis), Lesser Swinecress (Coronopus didymus), Mountain Sorrel (Oxalis acetosella), Purple Calandrinia (Calandrinia menziesil), Paterson's Curse (Salvation Jane) (Echium plantagineum), Shepherd's Purse (Capsella bursa- pastoris), Three-homed Bedstraw (Gallium tricornutum), Variegated Thistle (Silybum maianum)	5-8 leaf stage	ALL STATES		DO NOT apply to medics (WA only). This product may be tank mixed with diclofop- methyl for control of Annual Rye Grass and Wild Oats in wheat and barley only. DO NOT use 2,4-D or MCPA tank mix if using a tank mix with diclofop-methyl.	
					APPLICATION: Refer to General Instructions. Avoid application when maximum daily temperatures above 20°C occur, or are likely to occur for a few days after application.	
Fallow and Non-Crop	Cowvine or Peach Vine (<i>Ipomoea lonchophylla</i>)	Up to 8 leaves	QLD, NSW, ACT only	1.4L/ha to 2.1L/ha	Use the low rate for small weeds up to 6 leaves. Complete coverage is essential, plants which are shaded by stubble will not be controlled. Application volumes above 50L/ha are recommended. The application of glyphosate will provide broader spectrum weed control where needed.	
Pastures	Adonis (Pheasants Eye), Birds Eye (Carrot Weed)	Up to 4 leaves	SA only	700mL/ha	Apply in May-June. Medics may be severely scorched at	
		More than 4 leaves		1.4L/ha	the low rate and killed at the high rate.	
	Doublegee, Wild Radish	Up to 4 leaves	WA only	1.5L/ha	DO NOT apply to polymorpha medics.	
	Matricaria	Up to 3 leaves		750mL/ha	Avoid application to clover based pastures in temperatures over 20°C or when temperatures above 20°C may follow for some days after application, as seedling mortality may occur and established plants may be damaged.	
	Fireweed	Prior flower bud	QLD,	1.4L/ha	Apply with low volume boom spray during autumn/winter,	
		Early flowering	NSW, ACT only	2.8L/ha	when weeds are young and actively growing.	
Pastures, Roadsides, Rights-of- way	African Daisy (Senecio pterophorus)	Up to and including the flowering stage	SA only	300mL per 100L water	The plants including the stems, must be thoroughly wet to the point of run-off. Apply when the plants are actively growing. Nufarm Spraymate Activator should be added at 125mL per 100L of spray. A follow-up treatment may be necessary for large, wellestablished plants. Ensure overall coverage on weed seedlings.	
	Boneseed/Bitou-bush (<i>Chrysanthemoides monilifera</i>)	Seedlings only	VIC, TAS only	160mL per 100L water		

SITUATION & CROP	WEEDS CONTROLLED	STATE	RATE			CRITICAL COMMENTS
Established Couch, (including Qld	Bindy-eye (<i>Calotis hispidula</i>), Jo-Jo (Onehunga) (<i>Soliva</i> <i>pterosperma</i>), Cudweed (<i>Gnaphalium</i> spp.)	ALL STATES	6.0L/500L water per ha	High Volume: 300mL per/100L	60mL per 100m² per 15L knapsack	Apply evenly over the area to be treated. DO NOT mow turf for two days after treatment. A slight browning of grasses, especially Paspalum, may occur under hot conditions.

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

WITHHOLDING PERIOD:

DO NOT GRAZE TREATED CROPS OR CUT FOR STOCK FOOD FOR 8 WEEKS AFTER APPLICATION. CROP HARVEST: NOT REQUIRED WHEN USED AS DIRECTED.



GENERAL INSTRUCTIONS

Before opening, carefully read Directions for Use, Precautionary and Protection Statements. Storage and Disposal, Safety Directions and First Aid instructions. Use only at recommended growth stages of crops and weeds.

DO NOT use on crops other than recommended.

RESISTANT WEEDS WARNING

TITAN Bromoxynil 200 Selective Herbicide is a member of the nitrile group of herbicides.



The product has the inhibitors of photosynthesis at photosystem II mode of action. For weed resistance management, the product is a Group 6 herbicide. Some naturally occurring weed biotypes resistant to the product and other 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 are used repeatedly. These resistant weeds will not be controlled by the product or other 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 this product to control resistant weeds.

MIXING INFORMATION

To ensure even mixing, half fill spray tank with clean water and add the required amount of this product. Agitate thoroughly, then add the remainder of the water. Agitate again before spraying commences.

Boom Sprayer: Apply 50 to 200 (WA 50 to 100 litres) litres of water per hectare. Calibrate the machine before use to ensure that the correct application rate is obtained. Check height of boom above the crop to ensure that the spray is evenly distributed. A minimum of 160 litres and preferably 200 litres of water per hectare is recommended where the weed infestation is heavy or the crop cover is dense.

DO NOT use rain-drop or air induction nozzles as coverage of weeds may not be accurate.

Aerial Application: Apply a minimum of 22 litres of water per hectare. Markers should always move upwind before aircraft passes overhead. Application by micronair equipment may give variable results.

EQUIPMENT MAINTENANCE

After use wash equipment thoroughly and rinse several times prior to re-use. Wash sprayer thoroughly with clean water after use. If using tank mixtures with 2,4-D Amine or MCPA 500 apply with equipment that will not be used in 2,4-D and MCPA susceptible crops, particularly cotton and vines.

COMPATIBILITY

This product may be mixed in the spray tank with one of the following herbicides and insecticides in wheat and barley only: Conquest Diclofop Methyl Selective Herbicide, Omethoate, Chlolpyrifos, Dimethoate, 2,4-D Amine, MCPA 500, Chlorsulfuron, Metsulfuron-Methyl, Diflufenican, Glyphosate, Propaguizafop and Dicamba.

PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

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

Note: Maximum daily temperatures at or above 20°C at application, or on days following treatment may result in seedling mortality and established plants may be damaged.

PROTECTION OF LIVESTOCK

Low hazard to bees. May be applied at any time as recommended in the Directions for Use.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

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

STORAGE AND DISPOSAL

5L, 20L only: Store in the closed, original container in a cool, well-ventilated area. DO NOT store for prolonged periods in direct sunlight. Triple rinse containers before disposal. Add rinsings to the 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 empty 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.

110L, 120L, 220L: Store in the closed, original container in a cool, well-ventilated area. DO NOT store for prolonged periods in direct sunlight. Empty contents fully into application equipment. Close all valves and return to point of supply for refill or storage. The drums remain the property of TITAN AG Pty Ltd.

1000L only: Store in the closed original container in a cool, well-ventilated area. DO NOT store for prolonged periods in direct sunlight. Storage must be secure so that contents cannot be tampered with. All locks and/or seals must be in order. If locks or seals are broken prior to initial use then the integrity of this product cannot be assured. If this occurs TITAN AG Pty Ltd should be notified immediately. This minibulk/bulk container is reusable and remains the property of TITAN AG Pty Ltd. DO NOT rinse empty container. Empty contents fully into application equipment. Close all valves and return to the point of supply for refill or storage. No other liquid, solid or pesticide product should be put into it. When empty return to TITAN AG Pty Ltd for cleaning, relabelling and refilling.

SAFETY DIRECTIONS

Product is poisonous if inhaled or swallowed. May irritate the eyes and skin. Avoid contact with eyes and skin. DO NOT inhale spray mist. When preparing spray, wear elbow length PVC gloves and face shield. 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 and face shield.

FIRST AIR

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 131126; New Zealand 0800 764 766. If swallowed, do NOT induce vomiting. Give a glass of water.

SAFETY DATA SHEET

Additional information is listed in the safety data sheet (SDS). A safety data sheet for TITAN Bromoxynil 200 Selective Herbicide is available from TITAN AG Pty Ltd on request. Call Customer Service on (02) 9999 6655 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.

Additional statements required by Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia: Combustible liquid. Harmful if inhaled. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. May be fatal if swallowed and enters airways. 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 flames and hot surfaces. No smoking. Avoid breathing dust/ fume/gas/mist/vapours/spray. 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: Immediately call a POISON CENTER/ doctor. IF ON SKIN: Wash with plenty of water. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF exposed or concerned: Get medical advice/attention. Call a POISON CENTER/doctor if you feel unwell. Specific treatment (see on this label). Do NOT induce vomiting. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. In case of fire: Use to extinguish: CO2, powder or water spray. Collect spillage. Store in a wellventilated place. Keep cool. Store locked up. Dispose of contents/container in accordance with local/regional/national regulations.



