

READ SAFETY DIRECTIONS BEFORE OPENING OR USING

TITAN

PICLORAM 240 SL

HERBICIDE

ACTIVE CONSTITUENT: 240g/L PICLORAM present as the POTASSIUM SALT

GROUP **4** HERBICIDE

CROPS/SITUATION: Agricultural Non-Crop Areas, Cereals, Commercial and Industrial Areas, Fallow, Linseed, Linola, Maize, Pasture, Rights-of-Way, Sorghum and Sugarcane.

CONTROLS: A wide range of annual, perennial, noxious and woody weeds as specified in the Directions For Use.

APVMA Approval No.: 93783/140455

Pack Size: 1-1000L



C R O P P R O T E C T I O N

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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:

ALL CROPS/SITUATIONS

DO NOT apply to crops or weeds which are not actively growing or to plants which may be stressed (not actively growing) due to prolonged periods of extreme cold, moisture stress (water-logged or drought affected) or previous herbicide treatment, as crop damage or reduced levels of control may result.

DO NOT spray if rain is likely to occur within four hours when applying in tank mixtures with MCPA amine, 2,4-D amine, metsulfuron-methyl or glyphosate products. Refer to guidelines below for rainfall interval when tank mixing with triclopyr.

DO NOT apply close to, or on areas, containing roots of desirable vegetation, where treated soil may be washed into areas growing, or to be planted to, desirable plants, or on sites where surface water from heavy rain can be expected to run-off to areas containing, or to be planted to, susceptible crops or plants.

DO NOT move soil which may have been sprayed to areas where desirable plants are to be grown. Picloram remains active in the soil for extended periods depending on the rate of application, soil type, rainfall, temperature, humidity, soil moisture and soil organic matter. In some states some uses of this product are controlled by legislation. Refer to the plantback guidelines and check with your local Department of Agriculture or Primary Industry for further details.

SPRAY DRIFT RESTRAINTS

Specific definitions for terms used in this section of the label can be found at 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. 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 15 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 1 to 2 hours before sunset and persist until 1 to 2 hours after sunrise.

TANK MIXTURES WITH TITAN Triclopyr 755 EC Herbicide

DO NOT burn off, cut or clear Blackberry or other woody weeds for at least 6 months after spraying.

DO NOT apply if rain is likely within one hour or if foliage is wet from rain or dew.

DO NOT apply by aerial application in air temperatures above 35°C. In areas prone to flooding, treatment should commence after any annual flooding as such areas flooded within 9 months following application may have reduced results.

CROP/SITUATION USE TABLES

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PART A: CROPS AND FALLOW

Table 1: For use on winter cereals, Linseed, Linola in a tank mix with TITAN MCPA 750 Selective Herbicide

CROP	CROP STAGE	WEEDS CONTROLLED	WEED GROWTH STAGE	STATE	RATE/ha	CRITICAL COMMENTS
Barley, Canary Grass, Oats, Triticale, Wheat	Apply from early tillering (when the main shoot has 4-5 leaves and 2 or more new tillers have formed) to start of jointing (first node (Z30))	Climbing Buckwheat (Black Bindweed)	Up to 6 leaf	QLD, NSW only	110mL plus 560mL TITAN MCPA 750	For best control of Climbing Buckwheat apply at early tillering as this weed becomes increasingly difficult to control as it becomes larger. To avoid possible crop damage, DO NOT spray outside the early tillering to early jointing stage.
		Common Sowthistle, Doublegee (Spiny Emex), Mustard, Saffron Thistle, Skeleton Weed, Turnip Weed, Variegated Thistle, Wild Radish, Wild Turnip	Young rosette or seedling plants up to 8 true leaves			
		New Zealand Spinach ¹ , Wireweed ¹	Up to 4 leaf			¹ Suppression only – spray early.
Barley, Triticale, Wheat		Common Sowthistle, New Zealand Spinach, Wireweed	Apply up to 4 leaf stage		85mL plus 450mL TITAN MCPA 750 plus 5g TITAN Metsulfuron 600 WG	Add TITAN Wetter 1000 at 100mL/100L of water.

Table 1: For use on winter cereals, Linseed, Linola in a tank mix with TITAN MCPA 750 Selective Herbicide – continued

CROP	CROP STAGE	WEEDS CONTROLLED	WEED GROWTH STAGE	STATE	RATE/ha	CRITICAL COMMENTS
Barley, Canary Grass, Oats, Triticale, Wheat	Apply from 3 leaf to early tillering (when the main shoot has 4-5 leaves and 2 or more new tillers have formed) to start of jointing (first node (Z30))	Capeweed, Doublegee, Saffron Thistle, Turnip Weed, Wild Mustard, Wild Turnip	Young rosette or seedling plants up to 4 true leaves	WA only	65mL plus 340mL TITAN MCPA 750	To avoid possible crop damage, DO NOT spray outside the early tillering to early jointing stage. Caution: DO NOT use this product where the land to be treated will be sown to Lupins or Peas the following year or where a volunteer Medic or Sub-clover pasture is required in the following season. Only use when a cereal crop will follow the cereal crop to be treated. ¹ Suppression only.
			Young rosette or seedling plants up to 6 true leaves		80mL plus 420mL TITAN MCPA 750	
			Up to 4 leaf			
	Apply from early to mid-tillering	Docks, Sorrel	Active growth		110mL plus 560mL TITAN MCPA 750	
Linseed, Linola	Apply when the crop is 8-20cm high	Climbing Buckwheat (Black Bindweed), Doublegee (Spiny Emex), Mustard, Saffron Thistle, Skeleton Weed, Variegated Thistle, Wild Radish, Wild Turnip	Young rosette or seedling plants up to 4 true leaves	QLD, NSW only	70-90mL plus 375mL to 470mL TITAN MCPA 750	Use the higher rate when Climbing Buckwheat is present or weed growth is advanced. ¹ Suppression only – spray early.
		New Zealand Spinach ¹ , Wireweed ¹	Up to 2 leaf			

Table 2: Cereals, stubble or fallow land prior to sowing winter cereals, summer cereals, Maize, Sorghum and Sugarcane in a tank mix with TITAN Amine 625 Selective Herbicide

CROP	CROP STAGE	WEEDS CONTROLLED	WEED GROWTH STAGE	STATE	RATE/ha	CRITICAL COMMENTS
Barley, Oats, Triticale, Wheat	Apply from 3-4 tiller stage to start of jointing (first node) Z23 to Z31 for least effect on the crop	Climbing Buckwheat (Black Bindweed), New Zealand Spinach, Docks, Doublegee (Spiny Emex), Saffron Thistle, Sow Thistle	Young rosette or seedling plants up to 8 true leaves	QLD, NSW only	95mL plus 145mL TITAN Amine 625	Winter cereals may be treated using an aircraft or ground boom (see APPLICATION section). For best control of Climbing Buckwheat, apply early as this weed becomes increasingly difficult to control as it becomes larger. ¹ Suppression only – spray early.
		Mustards, Radish, Turnip Weed, Hexham Scent, Mintweed, Variegated Thistle, Sunflower, Wireweed ¹			95mL plus 520mL TITAN Amine 625	
		Skeleton Weed		SA only		
Stubble or fallow land prior to sowing winter cereals	Not applicable	<i>Amaranthus</i> spp., Bathurst Burr, Bellvine, Fat Hen, Morning Glory, Noogoora Burr, Parthenium Weed, Redroot Amaranth, Sesbania Pea, Stinking Roger, Thornapple (<i>Datura</i> spp.)	Young rosette or seedling plants up to 25cm height or diameter	QLD, NSW only	315mL plus 480mL TITAN Amine 625	May be applied using an aircraft or ground boom (see APPLICATION section). This rate will provide control of weeds present at the time of application and residual control of later germinations. DO NOT apply two months prior to sowing winter cereals as some damage to the crop may occur, particularly if conditions are dry after application.
		Fleabane (<i>Conyza</i> spp.)		QLD, NSW only	220mL plus 335mL TITAN Amine 625 plus TITAN Glyphosate 450	
Summer cereals, Maize, Sorghum	Spray when the crop has between 4 and 6 fully expanded leaves and secondary roots have developed	Thornapple and other broadleaf weeds including: <i>Amaranthus</i> spp., Annual Ground Cherry, Bladder Ketmia, Caltrop, Bellvine, Black Pigweed, Mintweed, Noogoora Burr, Red Pigweed, Sesbania Pea, Wild Gooseberry, Wandering Jew	Young rosette or seedling plants up to 15cm height or diameter	QLD, NSW, ACT only	105mL or 155mL plus 160mL or 240mL TITAN Amine 625 and 1.25L or 2L TITAN Atrazine 500 SC or 1.1kg TITAN Atrazine 900 WG	Use the lower rate when weeds are small and actively growing. Use the higher rate for larger weeds. Caution: If rotating to atrazine susceptible crops, DO NOT apply later than November. Add either a wetter or a crop oil as required according to the atrazine label. DO NOT add a crop oil when using on Sorghum.

Table 2: Cereals, stubble or fallow land prior to sowing winter cereals, summer cereals, Maize, Sorghum and Sugarcane in a tank mix with TITAN Amine 625 Selective Herbicide – continued

CROP	CROP STAGE	WEEDS CONTROLLED	WEED GROWTH STAGE	STATE	RATE/ha	CRITICAL COMMENTS
Summer cereals, Maize, Sorghum – <i>continued</i>	Spray when the crop has between 4 and 6 fully expanded leaves and secondary roots have developed	<i>Datura</i> spp. and other broadleaved weeds, as listed above	Young rosette or seedling plants up to 15cm height or diameter	QLD, NSW, ACT only	155mL plus 520mL TITAN Amine 625	This mixture will result in reduced residual control of <i>Datura</i> spp. Caution: This mixture may cause crop damage. To minimise damage, avoid applying these chemicals when the crop is rapidly growing under high temperature and soil moisture conditions. Use droppers and avoid spraying the growing points of the crop. DO NOT cultivate for 10-14 days after application while plants are brittle. For further advice, seek information from your state agriculture department or your local spray adviser.
Sugarcane	Vegetative	Sicklepod	See Critical Comments	QLD only	220-470mL plus 1.2-1.5L TITAN Amine 625	May be applied using an aircraft using at least 50L/ha of water or ground boom using at least 200L/ha of water (see APPLICATION section). Always add TITAN Paraffinic Spraying Oil at 1L/200L, or add TITAN Wetter 1000 at 200mL/200L of spray mixture. Use 220mL plus 1135mL/ha TITAN Amine 625 when weeds are less than 50cm tall. Use 315mL plus 1280mL/ha TITAN Amine 625 when weeds are 50 to 100cm tall. Use 470mL plus 1520mL/ha TITAN Amine 625 when weeds are more than 100cm tall. Apply only once per season. DO NOT add TITAN Amine 625 to known susceptible varieties.

Table 3: Fallow situations in a tank mix with TITAN Triclopyr 755 EC Herbicide and TITAN Glyphosate 450 Herbicide
See GENERAL INSTRUCTIONS, APPLICATION section for application method details

FALLOW					
WEEDS CONTROLLED	WEED GROWTH CONTROLLED	STATE	RATE/ha	CRITICAL COMMENTS	
Blackberry Nightshade – suppression only	10 to 25cm tall prior to flowering	QLD, NSW only	85-165mL plus 80-160mL TITAN Triclopyr 755 EC plus 1.2L TITAN Glyphosate 450 plus adjuvant	FOR USE BY GROUND EQUIPMENT ONLY. Plants must be actively growing. Use the lower rate on smaller weeds, as specified in the weed growth stage (or up to 5cm diameter for <i>Polymeria pusilla</i>). Refer to TITAN Glyphosate 450 label for use of adjuvant. DO NOT plant susceptible crops for up to 9 months after application, as specified in GENERAL INSTRUCTIONS, MINIMUM RECROPPING PERIODS. Dry conditions after application will increase the recropping intervals.	
Camel Melon, Prickly Paddy Melon, Cucumber Melon	From 2 leaf to 50cm diameter				
Common Sowthistle	From 8 leaf to flowering				
Cow Vine	From 2 to 5 leaf up to 15cm diameter, prior to flowering				
Lucerne (established)	Active growth, 15 to 25cm high, during spring		125-210mL plus 120-200mL TITAN Triclopyr 755 EC plus 1.2L TITAN Glyphosate 450 plus adjuvant		
<i>Polymeria pusilla</i>	2 to 12 leaf up to 20cm diameter, prior to flowering		85-165mL plus 80-160mL TITAN Triclopyr 755 EC plus 1.2L TITAN Glyphosate 450 plus adjuvant		

PART B: WOODY WEEDS – AGRICULTURAL NON-CROP AREAS, COMMERCIAL AND INDUSTRIAL AREAS, PASTURES AND RIGHTS-OF-WAY
Table 4: High Volume spot spraying in a tank mix with TITAN Triclopyr 755 EC Herbicide or TITAN Amine 625 Selective Herbicide

AGRICULTURAL NON-CROP AREAS, COMMERCIAL AND INDUSTRIAL AREAS, FORESTS, PASTURES AND RIGHTS-OF-WAY				
WEEDS	WEED GROWTH CONTROLLED	STATE	RATE/100L WATER	CRITICAL COMMENTS
African Boxthorn	Less than 2m tall	ALL STATES	210mL plus 200mL TITAN Triclopyr 755 EC	Apply when bushes have good leaf cover, growth and no leaf fall.
Alkali Sida	Pre-flowering	QLD, NSW, ACT, VIC, WA only	95mL plus 145mL TITAN Amine 625	
		SA only	45mL plus 70mL TITAN Amine 625	
Amsinckia (Yellow Burr Weed)	During rosette stage	VIC, SA only	25mL plus 35mL TITAN Amine 625	
Angophora spp.	1 to 3m tall	ALL STATES	145mL plus 140mL TITAN Triclopyr 755 EC	
Apple-of-Sodom	Flowering to early fruiting	VIC only	205mL plus 310mL TITAN Amine 625	
		SA only	95mL plus 145mL TITAN Amine 625	
Artichoke Thistle	Late winter to spring before flowering	VIC only	65mL plus 95mL TITAN Amine 625	Use double rate at flowering.
		SA only	40mL plus 60mL TITAN Amine 625	
Australian Blackthorn	Less than 2m tall	ALL STATES	210mL plus 200mL TITAN Triclopyr 755 EC	Apply from late spring to early autumn.
Banksia spp.	1 to 3m tall		145mL plus 140mL TITAN Triclopyr 755 EC	
Biddy Bush (Chinese Shrub) (Sifton Bush)	Autumn when actively growing	NSW, ACT only	210mL plus 200mL TITAN Triclopyr 755 EC	Add a 100% concentrate non-ionic surfactant (eg TITAN Wetter 1000) at 125mL/100L of water for best results.
Bindweed	Double budding	QLD, NSW, ACT, VIC, SA, WA only	405mL plus 625mL TITAN Amine 625	
Blackberry	December-January	VIC only	405mL plus 625mL TITAN Amine 625	Spray regrowth in autumn.
Blackberry in association with: Docks, Ragwort, Smartweed, Thistles	Late spring to autumn	ALL STATES	145mL plus 140mL TITAN Triclopyr 755 EC OR 210mL plus 200mL TITAN Triclopyr 755 EC	Use the higher rate on plants which have been damaged by grazing stock or insects and on known difficult to kill Blackberry. Where herbicides other than Group 4 herbicides have been used, allow two seasons regrowth to occur before respraying with TITAN Picloram 240 SL Herbicide.
Black Knapweed	December-January	VIC only	205mL plus 310mL TITAN Amine 625	Spray plant and soil for 1m around base of plant.
Bladder Campion	August pre-flowering	SA only		
Blue Heliotrope	Flowering	QLD, NSW, ACT only	210mL plus 200mL TITAN Triclopyr 755 EC	Apply in a minimum spray volume of 1250L/ha.
Boneseed (Bitou Bush)	Flowering to fruiting	QLD, NSW, ACT, VIC, SA, WA only	205mL plus 310mL TITAN Amine 625	Treat freshly cut stumps with 1L/10L water at any time.
Borreria (Square Weed)		QLD only	45-95mL plus 70-145mL TITAN Amine 625	Use higher rate on older plants. Add TITAN Wetter 1000 at 100mL/100L of water.
Boxthorn, African	Prior to bud burst	QLD, NSW, ACT, VIC, WA only	405mL plus 625mL TITAN Amine 625	Treat small plants only. Thorough coverage essential. Spray soil to drip line.
Broom, Cape	Prior to pod formation	SA only	95mL plus 145mL TITAN Amine 625	Thoroughly wet foliage and soil around base of plant.
Broom, English		VIC, SA only		
Brooms: Cape, English, Flax Leaf, Montpellier	Spring to mid-summer prior to pod formation	ALL STATES	105mL plus 100mL TITAN Triclopyr 755 EC	Apply as a thorough foliage spray.
		Autumn to winter	145mL plus 140mL TITAN Triclopyr 755 EC	
Burr Ragweed		QLD only	205mL plus 310mL TITAN Amine 625	
Californian (perennial) Thistle	During budding stage	QLD, NSW, ACT, VIC, SA, WA only	205mL plus 310mL TITAN Amine 625	

Table 4: High Volume spot spraying in a tank mix with TITAN Triclopyr 755 EC Herbicide or TITAN Amine 625 Selective Herbicide – continued

AGRICULTURAL NON-CROP AREAS, COMMERCIAL AND INDUSTRIAL AREAS, FORESTS, PASTURES AND RIGHTS-OF-WAY				
WEEDS	WEED GROWTH CONTROLLED	STATE	RATE/100L WATER	CRITICAL COMMENTS
Camphor Laurel	Less than 2m tall	ALL STATES	145mL plus 140mL TITAN Triclopyr 755 EC	Apply as a thorough foliage spray.
	Above 2m tall		210mL plus 200mL TITAN Triclopyr 755 EC	
Camel Thorn		VIC, SA only	405mL plus 625mL TITAN Amine 625	
Cape Honeyflower	At flowering stage	QLD, NSW, ACT, VIC, SA, WA only	205mL plus 310mL TITAN Amine 625	
<i>Casuarina</i> spp.	1 to 3m tall	ALL STATES	145mL plus 140mL TITAN Triclopyr 755 EC	Apply as a thorough foliage spray.
Chilean or Green Cestrum	During full leaf	QLD, NSW, ACT, VIC, SA, WA only	205mL plus 310mL TITAN Amine 625	
Chinese Apple	Less than 2m tall	QLD, WA only	145mL plus 140mL TITAN Triclopyr 755 EC	Add TITAN Wetter 1000 at 100mL/100L of water for best results.
Chinese Scrub	Autumn	VIC only	205mL plus 310mL TITAN Amine 625	
Cockspur Thorn	Spring to autumn	QLD, NSW, ACT only	145mL plus 140mL TITAN Triclopyr 755 EC	Apply as a thorough foliage spray.
Colocynth	Seedling and established plants	QLD, NSW, ACT, VIC, SA, WA only	95mL plus 145mL TITAN Amine 625	
Common Sensitive Plant	Any time when actively growing	QLD, WA, NT only	85mL plus 80mL TITAN Triclopyr 755 EC	To avoid leaves closing during application, spray plants while moving forward. Add TITAN Wetter 1000 at 100mL/100L of water for best results.
Crofton Weed	Spring to autumn	QLD, NSW, ACT, VIC, SA, WA only	145mL plus 140mL TITAN Triclopyr 755 EC	Apply as a thorough foliage spray.
	All stages		205mL plus 310mL TITAN Amine 625	
Cut Leaf Mignonette	Before flowering	SA only	205mL plus 310mL TITAN Amine 625	
Devil's Fig		QLD, NSW, ACT, VIC, SA, WA only	205mL plus 310mL TITAN Amine 625	
Docks	Full leaf to early flowering	QLD, NSW, ACT, VIC, SA, WA only	25-45mL plus 35-70mL TITAN Amine 625	Use lower rate on seedlings only.
Dog Rose	During summer	SA only	205mL plus 310mL TITAN Amine 625	
Eastern Cotton Bush	Spring to autumn	QLD, NSW, ACT only	210mL plus 200mL TITAN Triclopyr 755 EC	Add TITAN Paraffinic Spraying Oil at 500mL/100mL of water. Some bushes may require a follow-up spray to control regrowth.
<i>Eucalyptus</i> spp.	Seedling and regrowth from small lignotubers, 1 to 3m tall	ALL STATES	145mL plus 140mL TITAN Triclopyr 755 EC OR 210mL plus 200mL TITAN Triclopyr 755 EC	Apply the higher rate where difficult to control species of <i>Eucalyptus</i> regrowth is present. Addition of an adjuvant may improve results, contact TITAN AG for details.
		QLD, NSW, ACT, VIC, SA, WA only	205mL plus 310mL TITAN Amine 625	DO NOT treat seedlings more than 2m high.
Galenia	Fresh growth in spring to summer	NSW, ACT only	210mL plus 200mL TITAN Triclopyr 755 EC	Use 2000L of spray mixture/ha.
Garlic, Wild	Before new bulbils form	VIC only	95mL plus 145mL TITAN Amine 625	
		SA only	80mL plus 120mL TITAN Amine 625	
Giant Bramble	Spring to autumn	QLD, WA, NT only	210mL plus 200mL TITAN Triclopyr 755 EC	Penetration of thick clumps may be difficult and respraying may be necessary. Add TITAN Wetter 1000 at 100mL/100L of water for best results.
Golden Thistle	Seedling and rosette stage	QLD, NSW, ACT, SA, WA only	95mL plus 145mL TITAN Amine 625	
		VIC only	155mL plus 240mL TITAN Amine 625	

Table 4: High Volume spot spraying in a tank mix with TITAN Triclopyr 755 EC Herbicide or TITAN Amine 625 Selective Herbicide – continued

AGRICULTURAL NON-CROP AREAS, COMMERCIAL AND INDUSTRIAL AREAS, FORESTS, PASTURES AND RIGHTS-OF-WAY				
WEEDS	WEED GROWTH CONTROLLED	STATE	RATE/100L WATER	CRITICAL COMMENTS
Gorse (<i>Ulex europaeus</i>)	1 to 5m tall	ALL STATES	104mL plus 100mL TITAN Triclopyr 755 EC	Spring and summer treatment only. Add TITAN Wetter 1000 at 100mL/100L of water for best results.
	Over 1.5m tall or autumn treatment		145mL plus 140mL TITAN Triclopyr 755 EC	
	Winter treatment		210mL plus 200mL TITAN Triclopyr 755 EC	Brownout may not be complete until summer. Add TITAN Wetter 1000 at 100mL/100L of water for best results.
	Spring treatment	VIC only	155mL plus 240mL TITAN Amine 625	
Green Cestrum	Late spring to early autumn	QLD, NSW, ACT only	210mL plus 200mL TITAN Triclopyr 755 EC	One application may give satisfactory control. Any subsequent regrowth and seedlings must be resprayed at approximately 1m high.
	Over 1.5m tall			
Groundsel Bush	1 to 5m tall in spring and summer	ALL STATES	105mL plus 100mL TITAN Triclopyr 755 EC	Apply as a thorough foliar spray.
	Over 1.5m tall or autumn treatment		145mL plus 140mL TITAN Triclopyr 755 EC	
		QLD, NSW, ACT only	205mL plus 310mL TITAN Amine 625	
Hawthorn	Less than 2m tall	ALL STATES	210mL plus 200mL TITAN Triclopyr 755 EC	Apply from late spring to early autumn.
Heliotrope, Blue		QLD, NSW, ACT only	315mL plus 480mL TITAN Amine 625	Apply as a thorough foliar spray.
Hoary Cress	Rosette to pre-flowering	SA only	405mL plus 625mL TITAN Amine 625	
Horehound	Pre-flowering	ALL STATES	145mL plus 140mL TITAN Triclopyr 755 EC	
Inkweed	During full leaf	QLD, NSW, ACT, VIC, SA, WA only	155mL plus 240mL TITAN Amine 625	
Japanese Sunflower	Pre-flowering	QLD, NSW, ACT only	145mL plus 140mL TITAN Triclopyr 755 EC	
Khaki Weed	During full leaf in summer	QLD, NSW, ACT, VIC, SA, WA only	205mL plus 310mL TITAN Amine 625	
Knapweed, Creeping	During late spring to summer	VIC, SA only	405mL plus 625mL TITAN Amine 625	
		QLD, NSW, ACT, WA only	405-625mL plus 625-960mL TITAN Amine 625	
Lantana (<i>Lantana camara</i> , <i>Lantana montevidensis</i>)	Up to 1m tall in summer to autumn	ALL STATES	145mL alone or plus 140mL TITAN Triclopyr 755 EC	Add one of the following adjuvants: TITAN Paraffinic Spraying Oil at 0.5% v/v. TITAN Organosilicone Surfactant at 0.1% v/v. Thoroughly wet foliage, stems and soil around the base of the plants. Use higher rate on known harder to kill varieties. Use the combination with TITAN Triclopyr 755 EC or TITAN Amine 625 for faster burndown.
	1 to 2m tall in summer to autumn		210mL alone or plus 200mL TITAN Triclopyr 755 EC or 315mL alone or plus 300mL TITAN Triclopyr 755 EC	
	March-May	QLD, NSW, ACT, VIC, SA, WA only	205mL alone or plus 310mL TITAN Amine 625	
Limebush	Any time of year with good leaf cover and soil moisture	QLD, NT only	145mL plus 140mL TITAN Triclopyr 755 EC	Penetration of thick clumps may be difficult and respraying may be required. Addition of an adjuvant may improve results. Contact TITAN AG for details.
		QLD only	405mL plus 625mL TITAN Amine 625	Thorough coverage to point of run-off.
Lion Tail	Pre-flowering	QLD only	85mL plus 80mL TITAN Triclopyr 755 EC	Apply as a thorough foliar spray. Add TITAN Wetter 1000 at 100mL/100L of water for best results.
Manuka	At flowering	VIC only	210mL plus 200mL TITAN Triclopyr 755 EC	For optimum results, add TITAN Organosilicone Surfactant at 200mL/100L of spray. Thoroughly wet foliage, stems and soil around the base of the plants.
Mayne's Pest		QLD only	190mL plus 290mL TITAN Amine 625	Thorough coverage is essential.
Mesquite (<i>Prosopis</i> spp., <i>Prosopis velutina</i>)	Seedling, full leaf and flowering before podding	QLD, NSW, ACT, WA, NT only	145mL plus 140mL TITAN Triclopyr 755 EC	DO NOT spray plants bearing pods. Add TITAN Wetter 1000 at 100mL/100L of water for best results.
		QLD only	280mL plus 270mL TITAN Triclopyr 755 EC	

Table 4: High Volume spot spraying in a tank mix with TITAN Triclopyr 755 EC Herbicide or TITAN Amine 625 Selective Herbicide – continued				
AGRICULTURAL NON-CROP AREAS, COMMERCIAL AND INDUSTRIAL AREAS, FORESTS, PASTURES AND RIGHTS-OF-WAY				
WEEDS	WEED GROWTH CONTROLLED	STATE	RATE/100L WATER	CRITICAL COMMENTS
Mistflower	Spring to autumn	QLD, NSW, ACT only	145mL plus 140mL TITAN Triclopyr 755 EC	Apply as a thorough foliar spray.
		QLD, NSW, ACT, VIC, SA, WA only	205mL plus 310mL TITAN Amine 625	
Mother-of-millions	Flowering	QLD, NSW, ACT only	210mL plus 200mL TITAN Triclopyr 755 EC	Add TITAN Wetter 1000 at 100mL/100L of water for best results.
Onion Weed	Pre-flower	VIC, SA only	25mL plus 35mL TITAN Amine 625 plus 125mL TITAN Diquat 200	
Ox-eye Daisy	Up to early flowering	VIC only	45mL plus 70mL TITAN Amine 625	
Paddy's Lucerne	Active growth	NSW, ACT only	210mL plus 200mL TITAN Triclopyr 755 EC	Plants that have been continually slashed or grazed over many seasons may be difficult to control and regrowth may occur.
Pampas Lily-of-the-valley		VIC, SA only	205mL plus 310mL TITAN Amine 625	
Parkinsonia	Under 2m tall	QLD, WA, NT only	145mL plus 140mL TITAN Triclopyr 755 EC	Add TITAN Paraffinic Spraying Oil at 500mL/100L water. Avoid spraying under dry conditions when plants are stressed or bearing pods. Thoroughly wet foliage.
Parthenium Weed	During rosette stage	QLD, NSW, ACT only	40mL plus 60mL TITAN Amine 625	Use at least 3000L diluted spray/ha in dense Parthenium.
Paterson's Curse (Salvation Jane)	Rosette to pre-flowering	QLD, NSW, ACT, VIC, SA, WA only	45mL plus 70mL TITAN Amine 625	
Prairie Ground Cherry	Flowering to fruiting	VIC only	95mL plus 145mL TITAN Amine 625	Retreatment will be necessary.
Prickly Pear (common), Smooth Tree Pear	Active phyllode growth	ALL STATES	210mL plus 200mL TITAN Triclopyr 755 EC	Apply as a thorough foliar spray. Regrowth may occur, so a follow-up application may be necessary.
Quena (Tomato Weed)		QLD, NSW, ACT, VIC, SA, WA only	205mL plus 310mL TITAN Amine 625	
Ragwort	Rosette to cabbage stage	QLD, NSW, ACT, VIC, WA only	95mL plus 145mL TITAN Amine 625	
		SA only	45mL plus 70mL TITAN Amine 625	
Rubber Vine (not infected with rust)	Up to 1.5m tall at flowering	QLD, WA, NT only	145mL plus 140mL TITAN Triclopyr 755 EC	Spray all leaves and stems just to the point of run-off and thoroughly spray the base of the plant. With larger, more dense stands, regrowth may occur. Subsequent control of any regrowth should be done by basal bark spraying.
	Dense stands greater than 1.5m tall at flowering		210mL plus 200mL TITAN Triclopyr 755 EC	
	All stages	QLD only	405mL plus 625mL TITAN Amine 625	Thoroughly wet leaves and soil around the base of the plant. Cut and spray stump of large plants. See GENERAL INSTRUCTIONS, APPLICATION section.
Siam Weed	Active growth	QLD, WA only	145mL plus 140mL TITAN Triclopyr 755 EC	Add TITAN Wetter 1000 at 100mL/100L of water for best results.
St John's Wort	From flowering to early seed set	ALL STATES	210mL plus 200mL TITAN Triclopyr 755 EC	Late spring to early summer.
	Late spring to early summer, during flowering to early seed set	QLD, NSW, ACT, VIC, SA only	155mL plus 240mL TITAN Amine 625	High Volume: Apply by calibrated handgun with D5 or D6 (2-3mm) nozzle plate and operated at 400-500kpa (60-70psi). Apply 3000L/ha (ie 3L/10 square metres) to dense infestations. Regrowth and seedlings may be retreated the following season.
Sicklepod	Up to flowering	QLD, WA, NT only	85mL plus 80mL TITAN Triclopyr 755 EC	DO NOT apply to podding plants. Add TITAN Wetter 1000 at 100mL/100L of water for best results.
		QLD, NT only	95mL plus 145mL TITAN Amine 625	See also Sugarcane in Table 2. In pastures, a repeat spray may be necessary for control of subsequent seedling germination.
Silverleaf Nightshade		NSW, ACT, VIC, SA only	205mL plus 310mL TITAN Amine 625	
Skeleton Weed	Summer and autumn	QLD, NSW, ACT, WA only	405-625mL plus 625-960mL TITAN Amine 625	
	Winter	VIC, SA only	205mL plus 310mL TITAN Amine 625	See Winter Cereals in Table 1.
Smart Weed	Seedling to pre-flowering	QLD, NSW, ACT, VIC, SA, WA only	45mL plus 70mL TITAN Amine 625	

Table 4: High Volume spot spraying in a tank mix with TITAN Triclopyr 755 EC Herbicide or TITAN Amine 625 Selective Herbicide – continued				
AGRICULTURAL NON-CROP AREAS, COMMERCIAL AND INDUSTRIAL AREAS, FORESTS, PASTURES AND RIGHTS-OF-WAY				
WEEDS	WEED GROWTH CONTROLLED	STATE	RATE/100L WATER	CRITICAL COMMENTS
Spiny Broom	During full leaf stage	VIC only	205mL plus 310mL TITAN Amine 625	
Spiny Emex (Doublegee)		QLD, NSW, ACT, VIC only	95mL plus 145mL TITAN Amine 625	See Winter Cereals in Table 1.
Star Thistle	Seedling to rosette	QLD, NSW, ACT, VIC, SA, WA only	95-155mL plus 145-240mL TITAN Amine 625	Use higher rates for older plants.
Sweet Briar	Up to 1.5m tall	ALL STATES	145mL plus 140mL TITAN Triclopyr 755 EC	Add TITAN Wetter 1000 at 100mL/100L of water for best results. Full leaf to ripe fruit prior to leaf fall. Thorough wetting including the crown is recommended.
	Full leaf to ripe fruit	QLD, NSW, ACT, VIC, SA, WA only	205mL plus 310mL TITAN Amine 625	Spray thoroughly.
Tangled Hypericum		VIC only	205mL plus 310mL TITAN Amine 625	
Thornapple (<i>Datura</i> spp.)		QLD, NSW, ACT only	45-95mL plus 70-145mL TITAN Amine 625	Use higher rates for older plants.
Tobacco Weed	Actively growing plants	QLD, WA, NT only	125mL plus 120mL TITAN Triclopyr 755 EC	Add TITAN Wetter 1000 at 100mL/100L of water for best results.
Tree-of-Heaven	Plants during full leaf up to 1.5m high	QLD, NSW, ACT, VIC, SA, WA only	205mL plus 310mL TITAN Amine 625	
Tufted Honeyflower	All growth stages	VIC only	205mL plus 310mL TITAN Amine 625	
Tutsan	During leaf fall	VIC only	205mL plus 310mL TITAN Amine 625	Results can be variable.
Variegated Thistle	Rosette to pre-flowering	QLD, NSW, ACT, VIC, SA, WA only	45-95mL plus 70-145mL TITAN Amine 625	Use higher rate on mature plants. See Winter Cereals in Table 1.
Wattle (<i>Acacia</i> spp.) (except Corkwood Wattle)	1 to 3m tall	ALL STATES	145mL plus 140mL TITAN Triclopyr 755 EC	
Wild Rosemary (<i>Cassinia laevis</i>)	Active growth, 0.5 to 1m tall	QLD only	145-210mL plus 140-200mL TITAN Triclopyr 755 EC	Use lower rate on seedlings 0.5m tall. Apply as a thorough foliar spray.
Wild Tobacco Tree	Spring to autumn up to 2m tall	QLD, NSW, ACT only	145mL plus 140mL TITAN Triclopyr 755 EC	
	During full leaf	QLD only	205mL plus 310mL TITAN Amine 625	

Table 5: Boom Application for use with TITAN Triclopyr 755 EC Herbicide or TITAN Amine 625 Selective Herbicide				
AGRICULTURAL NON-CROP AREAS, COMMERCIAL AND INDUSTRIAL AREAS, FORESTS, PASTURES AND RIGHTS-OF-WAY				
WEEDS	WEED GROWTH CONTROLLED	STATE	RATE/ha	CRITICAL COMMENTS
Alkali Sida	Pre-flowering	QLD, NSW, ACT, VIC, SA, WA only	1.1L plus 1.7L TITAN Amine 625	
<i>Amaranthus</i> spp.		QLD, NSW, ACT only	315mL plus 480mL TITAN Amine 625	See Fallow Land in Table 2.
Amsinckia (Yellow Burr Weed)	During rosette stage	VIC, SA only	625mL plus 960mL TITAN Amine 625	
Annual Ground Cherry		QLD, NSW, ACT only	315mL plus 480mL TITAN Amine 625	
Artichoke Thistle	Late winter to spring before flowering	VIC only	2.35L plus 3.6L TITAN Amine 625	
		SA only	780mL plus 1.2L TITAN Amine 625	Use double rate at flowering.
Bathurst Burr, Bellvine		QLD, NSW, ACT only	315mL plus 480mL TITAN Amine 625	See Summer Cereals in Table 2.
Bindweed	During budding	QLD, NSW, ACT, VIC, SA, WA only	2.35L plus 3.6L TITAN Amine 625	
Bladder Ketmia		QLD, NSW, ACT only	95mL plus 520mL TITAN Amine 625	

Table 5: Boom Application for use with TITAN Triclopyr 755 EC Herbicide or TITAN Amine 625 Selective Herbicide – continued				
AGRICULTURAL NON-CROP AREAS, COMMERCIAL AND INDUSTRIAL AREAS, FORESTS, PASTURES AND RIGHTS-OF-WAY				
WEEDS	WEED GROWTH CONTROLLED	STATE	RATE/ha	CRITICAL COMMENTS
Borreria (Square Weed)	Flowering to fruiting	QLD only	315-780mL plus 480mL-1.2L TITAN Amine 625	Use higher rate on older plants. Add TITAN Wetter 1000 at 100mL/100L of water for best results.
Caltrop (Yellow Vine)		QLD, NSW, ACT only	95mL plus 520mL TITAN Amine 625	
Camel Thorn		VIC only	9.4L plus 14.4L TITAN Amine 625	
Climbing Buckwheat (Black Bindweed)	Early growth stage	QLD, NSW, ACT only	95mL plus 145mL TITAN Amine 625	See Winter Cereals in Table 1.
Cobbler's Peg		QLD, NSW, ACT only	315mL plus 480mL TITAN Amine 625	See Fallow Land in Table 2.
Fat Hen				
Galenia	Fresh growth during spring to summer	NSW, ACT only	2.1L plus 2L TITAN Triclopyr 755 EC	Rough mine sites will require adequate spray equipment such as boomless nozzles for effective coverage.
Garlic, Wild	Before new bulbils form	VIC only	2.35L plus 3.6L TITAN Amine 625	
		SA only	1.7L plus 2.65L TITAN Amine 625	
Golden Thistle	Seedling and rosette stage	QLD, NSW, ACT, SA, WA only	1.1L plus 1.7L TITAN Amine 625	
		VIC only	1.25L plus 1.9L TITAN Amine 625	
Heliotrope, Common		QLD, NSW, ACT only	95mL plus 145mL TITAN Amine 625	See Winter Cereals in Table 1.
Hexham Scent			95mL plus 520mL TITAN Amine 625	
Knapweed, Creeping	During late spring to summer	VIC only	2.35L plus 3.6L TITAN Amine 625	See Winter Cereals in Table 1.
Lucerne		QLD, NSW, ACT only	315mL plus 480mL Amine 625	
Mexican Poppy			95mL plus 520mL TITAN Amine 625	
Mintweed				
Morning Glory		QLD only	315mL plus 480mL TITAN Amine 625	See Fallow Land in Table 2.
Mustards		QLD, NSW, ACT only	95mL plus 520 mL TITAN Amine 625	
New Zealand Spinach		QLD, NSW, ACT only	315mL plus 480mL TITAN Amine 625	
Noogoora Burr				
Onion Weed	Pre-flower	VIC, SA only	625mL plus 960mL TITAN Amine 625 plus 3L TITAN Diquat 200	
Ox-eye Daisy	Up to early flowering	VIC only	315mL plus 480mL TITAN Amine 625	Respraying will be necessary.
Parthenium Weed	During rosette stage	QLD, NSW, ACT only	940mL plus 1.45L TITAN Amine 625	See Fallow Land in Table 2.
Paterson's Curse (Salvation Jane)	Rosette to pre-flowering	SA only	1.25L plus 1.9L TITAN Amine 625	
Pigweed, Black		QLD, NSW, ACT only	315mL plus 480mL TITAN Amine 625	
Potato Weed				
Prairie Ground Cherry	Flowering to fruiting	VIC only	2.35L plus 3.6L TITAN Amine 625	Retreatment will be necessary.
Radish Wild		QLD, NSW, ACT only	95mL plus 520mL TITAN Amine 625	See Winter Cereals in Table 1.
Ragwort	Rosette to cabbage stage	QLD, NSW, ACT, WA only	1.1L plus 1.68L TITAN Amine 625	
		VIC, SA only	1.25L plus 1.9L TITAN Amine 625	
Redroot (<i>Amaranthus</i> spp.), Redshank		QLD, NSW, ACT only	315mL plus 480mL TITAN Amine 625	See Fallow Land in Table 2.
Saffron Thistle			95mL plus 145mL TITAN Amine 625	See Winter Cereals in Table 1.

Table 5: Boom Application for use with TITAN Triclopyr 755 EC Herbicide or TITAN Amine 625 Selective Herbicide – continued				
AGRICULTURAL NON-CROP AREAS, COMMERCIAL AND INDUSTRIAL AREAS, FORESTS, PASTURES AND RIGHTS-OF-WAY				
WEEDS	WEED GROWTH CONTROLLED	STATE	RATE/ha	CRITICAL COMMENTS
Sesbania Pea		QLD, NSW, ACT only	315mL plus 480mL TITAN Amine 625	See Fallow Land in Table 2.
Sicklepod	Up to flowering	QLD, NT only	1.25L plus 1.2L TITAN Triclopyr 755 EC 220-470mL plus 1.1-1.5L TITAN Amine 625	DO NOT apply to podding plants. Add TITAN Wetter 1000 at 100mL/100L of water for best results. See also Sugarcane in Table 2. In pastures, a repeat spray may be necessary for control of subsequent seedling germination.
Silverleaf Nightshade		NSW, ACT, VIC, SA only	4.7L plus 7.2L TITAN Amine 625	
Skeleton Weed	Summer and autumn	QLD only		See Winter Cereals in Table 1.
	Winter	VIC only		
		SA only	95mL plus 520mL TITAN Amine 625	
	Summer and autumn	NSW, ACT, WA only	4.7-6.9L plus 7.2-10.5L TITAN Amine 625	
Sowthistle	During full leaf stage	QLD, NSW, ACT only	95mL plus 145mL TITAN Amine 625	See Winter Cereals in Table 1.
Spiny Emex (Doublegee)				
St John's Wort	Flowering to early seed set (Nov-Jan)	NSW, ACT only	835-1665mL plus 800mL-1.6L TITAN Triclopyr 755 EC	Use the higher rate on dense infestations and when longer residual control is required. Follow-up respraying will be required in the following season.
Star Thistle	Seedling to rosette	QLD, NSW, ACT only	1.1-2.35L plus 1.7-3.6L TITAN Amine 625	Use higher rate for older plants.
Stinking Roger			315mL plus 480mL TITAN Amine 625	See Fallow Land in Table 2.
Sunflower			95mL plus 520mL TITAN Amine 625	See Winter Cereals in Table 1.
Thornapple			315mL plus 480mL TITAN Amine 625	See Fallow Land in Table 2.
		QLD only	155mL plus 520mL TITAN Amine 625	See Summer Cereals in Table 2.
Turnip Weed		QLD, NSW, ACT only	95mL plus 520mL TITAN Amine 625	See Winter Cereals in Table 1.
Variegated Thistle	Rosette to pre-flowering	VIC, SA, WA only	625mL-1.25L plus 960mL-1.92L TITAN Amine 625	Use higher rate on mature plants.
		QLD, NSW, ACT only	95mL plus 520mL TITAN Amine 625	See Winter Cereals in Table 1.
Wandering Jew			315mL plus 480mL TITAN Amine 625	
Wireweed			95mL plus 520mL TITAN Amine 625	See Winter Cereals in Table 1.

Table 6: Aerial Application for use with TITAN Triclopyr 755 EC Herbicide and/or TITAN Amine 625 Selective Herbicide				
AGRICULTURAL NON-CROP AREAS, COMMERCIAL AND INDUSTRIAL AREAS, FORESTS, PASTURES AND RIGHTS-OF-WAY				
WEEDS	WEED GROWTH CONTROLLED	STATE	RATE/ha	CRITICAL COMMENTS
Blackberry	Summer to autumn	QLD, NSW, ACT, VIC, SA, WA only	4.2L plus 3.9L TITAN Triclopyr 755 EC	Where herbicides other than Group 4 herbicides have been used, allow two seasons regrowth to occur before respraying with TITAN Picloram 240 SL Herbicide. Warning: Eucalyptus species up to 4m may be killed if sprayed during this treatment. Mature trees which are 15 to 20m tall may be partially defoliated but are likely to recover.
Gorse		TAS only		Helicopter application only.
Cockspur Thorn, Crofton Weed, Lantana, Mistflower	Late autumn	QLD, NSW, ACT, NT only	625mL plus 600mL TITAN Triclopyr 755 EC plus 6L TITAN Amine 625	Helicopter application only. Spray with calibrated equipment using the half overlap opposite pass technique applying a minimum spray volume of 150L/ha. Follow-up respraying will be required.
Lantana			4.2L plus 3.9L TITAN Triclopyr 755 EC	Helicopter application only.
Rubber Vine (not infected with rust)	When flowering	QLD, NT only	1.25-2.1L plus 1.2-2L TITAN Triclopyr 755 EC	Helicopter application only. Use rates will depend upon the density and height of the Rubber Vine stand. The higher rate should be used on dense stands, however, complete coverage and penetration may be difficult. Follow-up respraying will be required. Any regrowth should be sprayed with a suitable basal bark herbicide.
St John's Wort	Flowering to early seed set (Nov-Jan)	NSW, ACT only	1.7L plus 1.6L TITAN Triclopyr 755 EC	Helicopter application only. Follow-up spraying will be required in the following season.

Table 6: Aerial Application for use with TITAN Triclopyr 755 EC Herbicide and/or TITAN Amine 625 Selective Herbicide – continued				
AGRICULTURAL NON-CROP AREAS, COMMERCIAL AND INDUSTRIAL AREAS, FORESTS, PASTURES AND RIGHTS-OF-WAY				
WEEDS	WEED GROWTH CONTROLLED	STATE	RATE/ha	CRITICAL COMMENTS
Parkinsonia	Seedlings 1-2m tall or 12-24 months old	QLD, NT only	1.25L plus 1.2L TITAN Triclopyr 755 EC	Helicopter application only. Add TITAN Paraffinic Spraying Oil at 1L/ha.
Table 7: Controlled Droplet Application for use with TITAN Triclopyr 755 EC Herbicide See GENERAL INSTRUCTIONS, APPLICATION section for application method details				
AGRICULTURAL NON-CROP AREAS, COMMERCIAL AND INDUSTRIAL AREAS, FORESTS, PASTURES AND RIGHTS-OF-WAY				
WEEDS	WEED GROWTH CONTROLLED	STATE	RATE	CRITICAL COMMENTS
Blackberry in association with: Docks, Ragwort, St John’s Wort, Thistles	Summer to autumn	ALL STATES	For each 1L of water add 415mL plus 400mL TITAN Triclopyr 755 EC	One application may give satisfactory control but subsequent regrowth and seedlings should be re-sprayed after hardening off. Where herbicides other than Group 4 herbicides have been used, allow two seasons regrowth to occur before respraying with TITAN Picloram 240 SL plus TITAN Triclopyr 755 EC.
Table 8: Low Volume High Concentration Application techniques (Gas Powered Gun, Sprinkler Sprayer) for use with TITAN Triclopyr 755 EC Herbicide See GENERAL INSTRUCTIONS, APPLICATION section for application method details				
AGRICULTURAL NON-CROP AREAS, COMMERCIAL AND INDUSTRIAL AREAS, FORESTS, PASTURES AND RIGHTS-OF-WAY				
WEEDS CONTROLLED	WEED GROWTH CONTROLLED	STATE	RATE/10L WATER	CRITICAL COMMENTS
Blackberry	Late spring to autumn	QLD, NSW, ACT, TAS, SA, WA only	140mL plus 140mL TITAN Triclopyr 755 EC	Apply to actively growing bushes which are able to be sprayed on all sides. For larger bushes, the high volume application technique is recommended.
Camphor Laurel, Cockspur Thorn, Crofton Weed	Less than 1.5m high	QLD, NSW, ACT only	210mL plus 140mL TITAN Triclopyr 755 EC	
Eucalyptus species	Seedlings up to 2m tall	ALL STATES	140mL plus 140mL TITAN Triclopyr 755 EC	
Mistflower	Less than 1.5m high	QLD, NSW only	210mL plus 140mL TITAN Triclopyr 755 EC	Gas Powered Gun only: Apply to actively growing bushes not more than 1.5m tall that have not more than 5 stems from the crown. Gas Powered Gun only: One application should provide control. Minor regrowth and seedlings may be retreated the following summer.
Sweet Briar	1.5m tall, full leaf to ripe fruit	NSW, ACT only	210mL plus 140mL TITAN Triclopyr 755 EC	
St John’s Wort	During flowering to early seed set	NSW, ACT, VIC, TAS only		
Wild Tobacco Tree	Less than 1.5m high	QLD, NSW, ACT only	210mL plus 140mL TITAN Triclopyr 755 EC	Apply to actively growing bushes which are able to be sprayed on all sides. For larger bushes, the high volume application technique is recommended.
Table 9: Blanket Wiper Application for use with TITAN Triclopyr 755 EC Herbicide See GENERAL INSTRUCTIONS, APPLICATION section for application method details				
FALLOW				
WEEDS CONTROLLED	WEED GROWTH CONTROLLED	STATE	RATE	CRITICAL COMMENTS
Bitterbark (<i>Alstonia constricta</i>)	From summer to end of autumn	QLD only	For each 1L of water add 85mL plus 80mL TITAN Triclopyr 755 EC OR use 2% solution for spot spray (eg 100mL solution to 5L water)	For use with blanket wipers only. For best results apply in autumn to tall (>60 cm) plants using two opposite directional passes (up and back). Follow up “missed” plants with a spot spray application. These will be obvious after 6 weeks. Blanket Wiper Applications can be made in summer when plants are smaller but follow up spot spraying may be necessary. DO NOT disturb (cultivate) the treated patches for at least 3 months. Best long term control is achieved when patches are left undisturbed for as long as possible after treatment (at least 6 months). Spot Spraying “missed” plants: Thoroughly wet all stems and leaves without producing any solution run-off. Avoid any spray reaching the soil surface.
Table 10: Stem Injection Application Dilute Rate: For each 1L of water add 185mL TITAN Picloram 240 SL Herbicide plus 280mL TITAN Amine 625 Selective Herbicide See GENERAL INSTRUCTIONS, APPLICATION section for application method details				
AGRICULTURAL NON-CROP AREAS, COMMERCIAL AND INDUSTRIAL AREAS, FORESTS, PASTURES AND RIGHTS-OF-WAY				
WEEDS CONTROLLED	WEED GROWTH CONTROLLED	STATE	APPLICATION RATE	CRITICAL COMMENTS
<i>Eucalyptus</i> spp.	Seedling regrowth no more than 2m high	QLD, NSW, VIC, SA, WA only	2mL of diluted chemical per cut	Most timber regrowth can be controlled by Cut Stump Application.
Zamia Palm	Anytime	QLD only	–	Inject 1mL into growing point for every 2.5cm of plant stem diameter.

Table 11: Cut Stump Application Rate: Mix 1 part TITAN Picloram 240 SL Herbicide with 4 parts TITAN Amine 625 Selective Herbicide See GENERAL INSTRUCTIONS, APPLICATION section for application method details				
AGRICULTURAL NON-CROP AREAS, COMMERCIAL AND INDUSTRIAL AREAS, FORESTS, PASTURES AND RIGHTS-OF-WAY				
WEEDS CONTROLLED	WEED GROWTH CONTROLLED	STATE	RATE/10L WATER	CRITICAL COMMENTS
<i>Eucalyptus</i> spp.	Seedling regrowth no more than 2m high	QLD, NSW, VIC, SA, WA only	500mL	Most timber regrowth can be controlled by Cut Stump Application.
Hawthorn	During full leaf	VIC only	Undiluted	Apply undiluted to freshly cut stump.
Tree-of-Heaven		QLD, NSW, VIC, SA, WA only		

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

IN TASMANIA FOR BLACKBERRY: DO NOT TREAT BUSHES CARRYING MATURE OR NEAR MATURE FRUIT.

FOR NATIVE VEGETATION: The use of TITAN Picloram 240 SL Herbicide plus TITAN Triclopyr 755 EC Herbicide on native vegetation must be done in accordance with STATE and/or LOCAL legislation.

WITHHOLDING PERIODS

TANK MIX WITH TITAN MCPA 750 Selective Herbicide:

DO NOT GRAZE OR CUT CROPS OR PASTURES FOR STOCK FOOD FOR 7 DAYS AFTER APPLICATION.

HARVEST: NOT REQUIRED WHEN USED AS DIRECTED.

TANK MIX WITH TITAN AMINE 625 Selective Herbicide:

HARVEST: NOT REQUIRED WHEN USED AS DIRECTED.

DO NOT GRAZE OR CUT CROPS (EXCEPT SUGARCANE) OR PASTURES FOR STOCK FOOD FOR 7 DAYS AFTER APPLICATION.

SUGARCANE: DO NOT HARVEST FOR 8 WEEKS AFTER APPLICATION.

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

TANK MIX WITH TITAN TRICLOPYR 755 EC HERBICIDE: NOT REQUIRED WHEN USED AS DIRECTED.

GENERAL INSTRUCTIONS

MIXING

TITAN Picloram 240 SL Herbicide should be mixed in water only. Mix only sufficient chemical for each days use and avoid storing mix. Half fill the spray tank with water and add the required quantity of TITAN Picloram 240 SL Herbicide and complete filling. Agitate continuously to ensure thorough mixing before and during application.

Tank mixtures: Wettable powder or dry flowable formulations (eg water dispersible granules) should be added to the spray tank first, followed by suspension concentrates (flowables), water soluble salts (eg TITAN Picloram 240 SL Herbicide, TITAN MCPA 750 Selective Herbicide, TITAN Amine 625 Selective Herbicide) and then emulsifiable concentrate formulations. Add spraying oils and surfactants (wettors) last, if required.

APPLICATION

TITAN Picloram 240 SL Herbicide may be applied by:

Ground Boom: DO NOT apply with smaller than COARSE to VERY COARSE spray droplets according to the ASABE S572 definition for standard nozzles. Spray using accurately calibrated equipment delivering 50-100L water/ha. DO NOT use less than 200L/ha in Sugarcane.

When treating Maize and Sorghum, the risk of crop injury will be reduced if dropper nozzles are used to avoid spraying the growing point of the crop. Set the boom at a height to ensure a double overlap of the nozzle pattern. Misting machines and boomjet sprayers should not be used for treating crops.

For use with TITAN Triclopyr 755 EC Herbicide (Table 3, Table 5):

Application in a minimum spray volume of 200L/ha for Galenia and St John's Wort and 600L of water/ha for Sicklepod. For use in fallow a minimum spray volume of 50L/ha is recommended. Boom height must be set to ensure double overlap of nozzle patterns.

Aerial Application: DO NOT apply TITAN Picloram 240 SL Herbicide by aircraft when wind speed is less than 3km/hr or greater than 15km/hr as measured at the application site and/or the air temperature is above 30°C, or when the wind is blowing towards susceptible crops, or when there is no wind. Use accurately calibrated equipment to deliver not less than 20L water/ha. DO NOT use less than 50L/ha in Sugarcane.

For use with TITAN Triclopyr 755 EC Herbicide (Table 6): Apply in 200L water/ha using an aircraft to apply 100L per pass on a double overlap pattern.

High Volume Application: Apply using a calibrated handgun with D5 or D6 (2-3mm) nozzle plate and operated at 400-500kPa. Spray to thoroughly wet the weed, usually 2,500-3,500L water/infested ha is required.

For use with TITAN Triclopyr 755 EC Herbicide – Woody Weeds Situations

(Table 4): Weeds need to be actively growing for herbicides to have an optimal effect. Delay treatment until regrowth has had time to grow to approximately 1 metre in situations which have been bulldozed, slashed, burnt, ploughed or areas having previous chemical treatment.

High Volume Spraying: Thorough coverage of foliage to the point of run-off is essential, however, avoid excess spraying which is wasteful of chemical.

Hand Gun: Apply the recommended mix to give full coverage of leaves and stems through a No. 6 to 8 tip at 700 to 1500kPa (400 to 500kPa for St John's Wort). A spray volume of 3000 to 4000L per infested hectare of 1 to 2 metre high Blackberry (30 to 40L/100 m²) should be used. Use 2000L of spray mixture/ha of Galenia infestation (ie 20L/100m² infested area).

Knapsack: Apply the recommended spray mix to give full coverage of leaves and stems. The final volume of application should be similar to handgun. A spray volume of 3 to 4L/10m² infested area should be used. A spray volume of 2L/10m² should be used for an area infested with Galenia.

Controlled Droplet Application (Table 7): Results similar to high volume spraying can be obtained using Micron Herbi* or similar equipment. Select a nozzle to give a flow rate of 2mL/sec and sweeping action to approximately 1m/sec to ensure a droplet density of 20/cm². Use a marking agent, as recommended by the equipment manufacturers, to check the spray coverage. Also, consult directions provided with CDA unit.

Low Volume High Concentrate Application Techniques (Table 8): Good control will be achieved, similar to high volume application, where bush size enables good coverage of entire bush. Use a marking agent, as recommended by equipment manufacturers to check spray coverage.

Gas Powered Gun: Apply shots to obtain uniform coverage of 4 to 5m² of surface area of bush. This relates to 20 droplets/cm² of leaf surface.

Sprinkler Sprayer: This technique involves using a micro sprinkler that is connected to a hollow fibre glass rod attached to a pneumatic knapsack sprayer. Use at low pressures (50 to 200kPa) and apply with a slow seeping action over the top of the plants ensuring even coverage over the leaves.

Blanket Wiper Application (Table 9): Blanket needs to be made from durable and wettable material with a rigid backing. Blanket should be rigidly mounted behind motorised vehicle (eg tractor, 4-wheel drive vehicle) and set low but never touching the ground. The chemical solution should be fed to the blanket at a flow rate sufficient to keep the blanket wet but not dripping. In thick patches the blanket may require more frequent solution recharge (rewetting). Ideally, a scraper bar should be mounted in front of the blanket in order to scrape or damage the bark (but not sever the stems) prior to the blanket



wiping the stems. This scraper may be mounted at the front of the vehicle. Two passes (in opposite direction) with the blanket increases the contact with the plant. Ground speeds of 10-15km/hr are ideal for blanket wiping application.

Stem Injection (Table 10): Treat only trees with good sap flow. Make injection cuts at 13cm spacing around the diameter of the tree at waist height or at 15cm spacing at ground level. The cuts should be made using a 5 to 7cm wide narrow bladed axe. The cut must be made through the bark and deep enough to place all the chemical in contact with the sap wood. Treat each stem of a multi-stem tree where possible. Inject the chemical mix into each cut immediately after the cut is made. Apply the mix with a vaccinator or similar equipment which can be accurately calibrated or a tree injector which can apply the measured dose at or near ground level. Injection at or near ground level is essential in the Traprock area of south-eastern Queensland and is preferred for optimum results in Bimble Box (Poplar Box) areas.

Frilling: Make successive overlapping cuts into the sapwood around the entire circumference of the base of the tree. Spray to thoroughly wet the frilled area.

Injecting spray into centre of weed: Inject using a vaccinator or similar equipment, 1mL of treatment mix into the growing point for each 2.5cm of the plant stem diameter (see Zamia Palm).

Cut Stump Application (Table 11): Cut the trees as close to the ground as practicable, leaving stumps no higher than 10cm. Spray, swab or brush the chemical mix immediately to the freshly cut surface so as to thoroughly wet the surface. If the cut surface is oily, add a non-ionic wetting agent to assist penetration.

PRECAUTION

Susceptible crops and plants can be damaged by soil residues during both growing and dormant periods. Minimum recropping periods are recommended to minimise risk of rotational crop injury. In the season following application of this product the regeneration or establishment of sensitive legumes (Clover, Medics, Peas, Lupins) may be adversely affected by soil residues.

MINIMUM RECROPPING PERIODS

Picloram remains active in the soil for extended periods depending on rate of application, soil type, rainfall, temperature, humidity, soil moisture and soil organic matter.

Note: Before using TITAN Picloram 240 SL Herbicide in tank mixes with other herbicides, check the plantback period information on all product labels. The most residual product, i.e. the product with the longest plantback period, will determine the time between spraying and planting.

The plantback periods listed below do not commence until all stubble residue has broken down.

Rates of TITAN Picloram 240 SL Herbicide up to 110mL/ha:

Northern New South Wales and Queensland

Plantback periods for rotational crops following application of TITAN Picloram 240 SL Herbicide at rates between 85-110mL/ha on black cracking clay soils (Table below). These plantback periods are based on a normal rainfall pattern. During drought conditions (or when rainfall is less than 100mm for a period of 4 months after application) the plantback period may be significantly longer.

Winter Crop	Plantback Period (Months)	Summer Crop	Plantback Period (Months)
Wheat	2	Sorghum	2
Barley	2	Cotton	12
Canola	4	Mung Bean	12
Chickpea	6	Soybean	12
Faba Bean	4		
Lucerne	9		

Western Australia and soil types not mentioned above

DO NOT plant susceptible broadleaf crops within 12 months of applying the product. Cereal crops and grasses can be sown safely 2 months after using TITAN Picloram 240 SL Herbicide for in crop weed control.

Rates of TITAN Picloram 240 SL Herbicide greater than 110mL/ha:

DO NOT rotate susceptible plants until an adequately sensitive bioassay or chemical test shows that no detectable picloram is present in the soil.

RE-ENTRY PERIOD

DO NOT enter treated areas until the spray has dried, unless wearing cotton overalls buttoned to the neck and wrist (or equivalent clothing) and chemical resistant gloves. Clothing must be laundered after each day's use.

RESISTANT WEEDS WARNING

TITAN Picloram 240 SL Herbicide is a member of the pyridine group of herbicides. The product has the disrupters of plant cell growth mode of action. For weed resistance management the product is a Group 4 Herbicide. Some naturally occurring weed biotypes resistant to the product and other Group 4 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 this product or other Group 4 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. Strategies to minimise the risk of herbicide resistance are available. Contact your farm chemical supplier, consultant, local Department of Agriculture or local TITAN AG representative.

COMPATIBILITY

TITAN Picloram 240 SL Herbicide is compatible with the following (Read and follow all label directions, restraints, plantback periods, withholding periods and safety directions on the partner label as well as those on the TITAN Picloram 240 SL Herbicide label.)

Broadleaf Herbicides: TITAN Atrazine 900 WG Herbicide, TITAN Diquat 200 Non-Residual Herbicide, metosulam, Bronco® 400, TITAN Clopyralid 300 Herbicide, TITAN Clopyralid 750 SG Herbicide, Vortex®, TITAN MCPA 750 Herbicide, TITAN LVE MCPA 570 Herbicide, TITAN Metsulfuron 600 WG Herbicide, TITAN Fluroxypyr 400 Herbicide, TITAN Amine 625 Selective Herbicide, TITAN Amine 720 Herbicide, TITAN Triclopyr 600 Herbicide, TITAN Triclopyr 755 EC Herbicide, TITAN Glyphosate 450 Herbicide.

Grass Herbicides: TITAN Diclofop-Methyl 375 Selective Herbicide (Annual Ryegrass only), TITAN Clodinafop 240 EC Herbicide (Wild Oats and Phalaris only).

Adjuvants: TITAN Wetter 1000 Wetting Agent, TITAN Paraffinic Spraying Oil (when mixed with TITAN Clodinafop 240 EC Herbicide).

Insecticides: Omethoate, TITAN Dimethoate 400 Insecticide.

TITAN Picloram 240 SL Herbicide is not compatible with zinc products (such as zinc dextrose and zinc heptahydrate), copper salts (such as copper sulphate) and manganese sulphate. DO NOT use with hard water or water clarified with alum. For compatibility information on products not listed above, please contact TITAN AG representative.

CLEANING SPRAY EQUIPMENT

Rinsing: After using TITAN Picloram 240 SL Herbicide, empty the spray completely and drain the whole system. Thoroughly wash inside the unit using a pressure hose. Drain the spray unit and clean any filters in the tank, pump, lines, hoses and nozzles. After cleaning the spray unit as above, quarter fill with clean water and circulate through the pump, lines, hoses and nozzles. Drain and repeat the rinsing procedure twice.

Decontamination: Before spraying Cotton and other sensitive crops with equipment that has been used to apply TITAN Picloram 240 SL Herbicide (see PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS section). Wash the tank and rinse the system as above. Then quarter fill the tank and add a standard alkali based laundry detergent at 500g (or mL)/100L water and circulate throughout the system for at least 15 minutes. If using a concentrated laundry detergent use 250g (or mL)/100L water. DO NOT use chlorine based cleaner. Drain the whole system. Remove filters and nozzles and clean them separately. Finally flush the system with clean water and allow to drain.

Rinse water should be discharged onto a designated disposal area or, if this is unavailable, onto unused land away from desirable plants and watercourses.

PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

Crops and plants susceptible to TITAN Picloram 240 SL Herbicide include, but are not limited to clovers, medics, lucerne, lupins, navy beans, peas, soybeans and other legumes, cotton, flowers, hops, grape and kiwi fruit vines, ornamentals, potatoes, safflower, shade trees, sugar beet, tobacco, tomatoes, tree fruits and vegetables.

Refer to Minimum Re-cropping Periods section for plantback periods. This product will kill legumes (clovers, medics) present in the crop at the time of spraying.

DO NOT apply close to or on areas containing roots of desirable vegetation, where treated soil may be washed to areas growing, or to be planted to desirable plants, or on sites where surface water from heavy rain can be expected to run-off to areas containing or to be planted to susceptible crops or plants.



DO NOT move soil, which may have been sprayed, to areas where susceptible crops or plants are to be grown.

Cereal crops may be reduced in height following use of this product. This height reduction is a normal response and does not represent any yield loss. DO NOT apply TITAN Picloram 240 SL Herbicide to crops or pastures which are to be used for the production of compost or mulches for use with susceptible crops or plants.

The use of straw, hay or other plant material treated with TITAN Picloram 240 SL Herbicide for composting or mulching susceptible crops may damage these crops.

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

Avoid spray drift onto susceptible crops such as cotton, tobacco, tomatoes, vines, lupins, fruit trees and ornamentals.

DO NOT apply with smaller than COARSE to VERY COARSE spray droplets.

Equipment that has been used for application of TITAN Picloram 240 SL Herbicide should not be used for application of other materials to susceptible plants until it has been decontaminated.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

DO NOT contaminate streams, rivers or watercourses with the chemical or used containers.

STORAGE AND DISPOSAL

KEEP OUT OF REACH OF CHILDREN. 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 spray tank. DO NOT dispose of undiluted chemicals on-site. This container can be recycled if it is clean, dry, free of visible residues and has the *drumMUSTER* logo visible. 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 or similar container management site. The cap should not be replaced but may be taken separately. If not recycling, break, crush or puncture and deliver empty packaging 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.

110L: Store in the closed, original container 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 container with water or any 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 container have been used, please return the container to the point of purchase. This container remains the property of TITAN AG Pty Ltd.

Refillable Containers: Empty contents fully into application equipment. Close all valves and return to point of supply for refill or storage.

SAFETY DIRECTIONS

May irritate the eyes. Avoid contact with eyes. Repeated exposure may cause allergic disorders. When opening the container and using the product wear cotton overalls buttoned to the neck and wrists, a washable hat and elbow-length chemical resistant gloves. Wash hands after use. After each day's use, wash gloves and contaminated clothing.

FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 131126; New Zealand 0800 764 766.

SAFETY DATA SHEET

Additional information is listed in the safety data sheet (SDS). A safety data sheet for TITAN Picloram 240 SL 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: Harmful to aquatic life with long lasting effects. Precautionary Statements: Avoid release to the environment. Dispose of contents/container in accordance with local/regional/national/international regulations.