

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

**TITAN**

# AMITROLE 250 SL

## HERBICIDE

ACTIVE CONSTITUENTS: 250g/L AMITROLE  
220g/L AMMONIUM THIOCYANATE

GROUP **34** HERBICIDE

For the control of weeds in orchards, vineyards, irrigation ditches and drains, eucalyptus and pine plantations, roadsides, pre-plant wheat and barley, and for general industrial situations.

APVMA Approval No.: 88549/144747

Pack Size: 20L-1000L



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

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**SL**

Formulation Type  
**Soluble Liquid Concentrate**

**IN A TRANSPORT EMERGENCY**

• DIAL 000 • POLICE OR FIRE BRIGADE

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

## DIRECTIONS FOR USE

### Restraints:

DO NOT apply if rain is expected within 6 hours of application.

### SPRAY DRIFT RESTRAINTS

Specific definitions for terms used in this section of the label can be found at [apvma.gov.au/spraydrift](http://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 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 1 to 2 hours before sunset and persist until 1 to 2 hours after sunrise.

CROP USE OR SITUATION	WEEDS CONTROLLED	WEED STAGE	RATE	CRITICAL COMMENTS
Weed control prior to Crop or Pasture Establishment with seeder fitted with knife points and preferably press wheels  Winter Crops: Canola, Cereals (Wheat, Barley, Oats, Rye, Triticale), Faba Beans, Field Peas, Lupins  Pastures: Sub-Clover, Lucerne, Medic	Annual Ryegrass ( <i>Lolium rigidum</i> ), Wild Oats ( <i>Avena</i> spp.)	2-3 leaf, to 5cm high  3-6 leaf, to 10cm high	2.8L/ha  5.6L/ha	Good coverage is essential for optimum weed control.  <b>Pre-planting:</b> Cereals can be sown immediately after application. Sow cereal seed at least 5cm deep. Canola can be sown immediately after application of the 2.8L/ha rate. Delay seeding until 5 days after application of the 5.6L/ha rate.  <b>Sub-Clover, Medic and Lucerne:</b> Delay seeding until 5 days after application.  <b>Winter Pulses:</b> Faba Beans, Field Peas and Lupins can be sown a minimum of 2 days after application at an application rate of 2.8L/ha. Delay seeding until 5 days after application of 5.6L/ha. Use seeding equipment that results in minimal soil disturbance but which removes treated soil from above the seeding row. A seeder fitted with knifepoints and press wheels is preferred. Disc seeders are not preferred because treated soil throw may be inadequate. Bleaching of isolated crop leaves may be seen after emergence but this is usually scattered and does not affect overall crop vigour. Light sandy soils and/or heavy rain falling soon after application may increase the likelihood of bleaching happening.
	Volunteer Canola ( <i>Brassica napus</i> ) including Roundup Ready* varieties and Canola hybrids with the Optimum GLY* herbicide tolerance trait	4 leaf  6 leaf	2.8L/ha  5.6L/ha	
Fallow Establishment and Maintenance and Weed control prior to Crop Establishment  Summer Crops: Cotton, Mung Beans, Sorghum	Flaxleaf Fleabane ( <i>Conyza bonariensis</i> )	2cm rosette budding/early flowering	4.3-5.6L/ha	Apply from rosette to budding/early flowering. Later applications will be less effective. More reliable control may be achieved with higher rates.  DO NOT apply to plants stressed by high temperatures and/or low soil moisture.  Apply in 50-100L/ha water. Use of the higher water volume may give better results. The addition of 0.25% TITAN 700 Surfactant may improve results. Tank mix with TITAN Glyphosate 450 Herbicide if grass weeds are present or to broaden the weed spectrum.  Cotton, Mung Beans and Sorghum can be sown immediately after application with normal seeding equipment. Bleaching of isolated crop leaves may be seen after emergence but this is usually scattered and does not affect overall crop vigour. Light sandy soils and/or heavy rain falling soon after application may increase the likelihood of bleaching happening.
	Bladder Ketmia ( <i>Hibiscus trionum</i> )	Cotyledon - 8 leaf		
	Dwarf Amaranth ( <i>Amaranthus macrocarpus</i> )			
	Volunteer Cotton (conventional and Roundup Ready*) ( <i>Gossypium hirsutum</i> )	Cotyledon - 8 nodes		
	Yellow Vine/Caltrop ( <i>Tribulus micrococcus</i> )	Up 120cm vines		
Vineyards and Orchards	Broadleaf weeds and grasses	ALL STATES	4-12L/ha	Apply when weeds are small and making active growth. Repeat application may be necessary in 6-8 weeks. Apply as directed spray to weeds only. Use higher rates for larger or more tolerant weeds.  For improved control of tillered annual grasses.  DO NOT apply as a spray near trees or vines less than 3 years old, unless they are effectively shielded from spray and spray drift. DO NOT allow spray or drift to contact green bark or stems, canes, laterals, suckers, fresh wounds, foliage or fruit.
			4-8L/ha plus 800mL-1.6L/ha TITAN Glyphosate 450 Herbicide	
	Marshmallow, Common Storksbill		6-8L/ha plus 1.2-1.6L/ha TITAN Glyphosate 450 Herbicide	
Aquatic areas Drains and Channels: Margins of streams, lakes and dams	Cumbungi, Phragmites, Nutgrass	ALL STATES	2.3L/100L water	Apply during flowering period between January and May. Retreatment of Nutgrass will be necessary.
	Water Couch		4.5L/100L water 2.2L/100L water	Apply as a single treatment between February and May. Apply in November to December with a further application at the same rate 6-8 weeks later.
	Water Hyacinth		280mL/100L water	Apply immediately prior to flowering.

CROP USE OR SITUATION	WEEDS CONTROLLED	WEED STAGE	RATE	CRITICAL COMMENTS
<i>Pinus radiata</i> , <i>Pinus pinaster</i> and Southern Pine Plantations pre-planting post-planting second season, applied as a directed or over-the-top spray	Grasses and broadleaf weeds	NSW, VIC, TAS, SA, WA only	2L/ha plus 2.2-5kg/ha TITAN Atrazine 900 WG Herbicide	Apply the tank mixture not more than 2 weeks prior to planting. The addition of TITAN Glyphosate 450 Herbicide is recommended for improved control of grasses.
			2L/ha plus 5kg/ha TITAN Atrazine 900 WG Herbicide	Spray small weeds that are actively growing. Over-the-top application may result in short-term transient damage to tips.
	Fleabane ( <i>Conyza canadensis</i> )		1L/ha plus 0.2% v/v TITAN Organosilicone Surfactant	Maximum height for fleabane is 15cm. Apply with a broadcast spray over-the-top.
Eucalyptus and Corymbia Plantations post-planting second season, applied as a directed spray	Grass and broadleaf weeds	ALL STATES	2-3L/ha in tank mix with TITAN Sulfosulfuron 750 WG Herbicide and/or Simazine	For broad-spectrum weed control and to improve control of grasses use only in commonly accepted tank mix prescriptions with Simazine and/or TITAN Sulfosulfuron 750 WG Herbicide as a directed spray. Direct contact of spray with trees may cause short-term transient damage. Spray small weeds that are actively growing. If required, apply a maximum of two applications at least 2 months apart. Tank mixes with TITAN Sulfosulfuron 750 WG Herbicide should not be applied to alkaline soils. DO NOT use as a stand alone application. For Capeweed use 6L/ha.
Non-crop areas around buildings, Commercial and Industrial areas, Domestic and Public Service areas, Right-of ways	Blackberry	VIC, TAS, SA only	2L/100L water	Apply twice. First treatment December to January and regrowth sprayed in autumn. Re-spraying in the following year is essential. DO NOT apply to Blackberry bushes carrying mature or developing fruit.
	Furze or Gorse, Ox eye Daisy			Apply during summer or before full flowering. Re-spraying will be necessary.
	Tree Pears ( <i>Opuntia</i> spp.)	QLD only	1mL injected into cuts at 3cm spacings around the lower trunks of mature plants. Apply a mix of 1 part TITAN Amitrole 250 SL in 25 parts water liberally to small plants and regrowth	Tree Pears may take up to 12 months to die. Respraying may be necessary in some cases. Tall plants may be lopped before spraying. Apply the spray liberally over the entire plant and on adjacent soil.
	Fennel, Hoary Cress, African Daisy, Apple of Sodom, Illyrian Thistle	VIC, TAS, SA only	1.1L/100L water	Apply when weeds are actively growing, immediately prior to flowering.
	Russian (creeping) Knapweed, Watsonia, Artichoke Thistle, Prairie Ground Cherry, Onion Weed, Khaki Weed, Docks, Heliotrope, Chilean Cestrum (Green Cestrum), Oxalis (Soursob), Couch, Kikuyu, Fog Grass, Sorrel	ALL STATES	1.1L/100L water	Apply when weeds are actively growing, immediately prior to flowering. Respraying will be necessary to destroy regrowth and seedlings.
Potatoes pre-harvest preparation	Ryegrass, Winter Grass, Capeweed, Paterson's Curse	VIC, TAS only	5.5-11L/ha	Apply approximately 4 to 5 weeks before harvest after the Potato haulms have dried off. Use the higher rates when Ryegrass in clumps or other weeds more than 30cm high is present. For boom spraying apply at least 100L of spray mixture per hectare. If other broadleaf weeds such as Clovers, Variegated Thistle and Cruciferous weeds are also present add TITAN LV Ester 680 Herbicide. <b>Warning:</b> If used on sandy soils, do NOT plant follow-up crops within 3 months.

## OPTICAL SPOT SPRAY TECHNOLOGIES

**Note:** Calibrate the sprayer to spray the equivalent of 100L/ha for weed cover between 0 and 30%. If percentage weed cover exceeds 30% use approved boom spray rates.

SITUATION	WEEDS	RATE	CRITICAL COMMENTS
Fallow	Fleabane	5-8L/100L	Apply to rosette to flowering plants. Use higher rate on late flowering/mature plants or plants under moisture stress. Check plantback windows before use.
	Caltrop (Yellow Vine)	5-10L/100L	
	Sowthistle		

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

### WITHHOLDING PERIODS:

**Orchards and Vines: DO NOT APPLY LATER THAN 56 DAYS BEFORE HARVEST.**

**Other Crops: NOT REQUIRED WHEN USED AS DIRECTED.**

### GENERAL INSTRUCTIONS

Before opening carefully read Safety Directions, First Aid Instructions, Directions for Use, Storage and Disposal and Protection Statements.

### APPLICATION INFORMATION

Use recommended rates of TITAN Amitrole 250 SL Herbicide in 100-500L of clean water per hectare using booms or directed nozzles. Use higher water rates for denser weed swards. When using knapsack equipment apply 900-1100L per hectare (1L/10m<sup>2</sup>).

### MIXING INSTRUCTIONS

To improve the efficiency of TITAN Amitrole 250 SL Herbicide, it is recommended that TITAN 700 Surfactant be added to the spray mixture at 0.1% (100mL/100L). TITAN 700 Surfactant is required when tank mixing with TITAN Glyphosate 450 Herbicide.

### RESISTANCE WEEDS WARNING

TITAN Amitrole 250 SL Herbicide is a member of the triazole group of herbicides. TITAN Amitrole 250 SL Herbicide has the inhibitors of lycopene cyclase mode of action. For weed resistance management, TITAN Amitrole 250 SL Herbicide is a Group 34 herbicide. Some naturally occurring weed biotypes resistant to TITAN Amitrole 250 SL Herbicide and other Group 34 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 TITAN Amitrole 250 SL Herbicide and other Group 34 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.

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### PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

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

### PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

**Drift Warning:** This product is a non selective herbicide and may damage crops, pastures and some ornamentals. However it is safer to use near plants susceptible to phenoxy type herbicides. Spray drift may occur under adverse meteorological conditions or from certain spray equipment.

DO NOT allow spray to drift onto sensitive areas including, but not limited to, susceptible plants/crops, cropping land, pasture, natural streams, rivers, wetlands or waterways and human dwellings.

**Equipment Maintenance and Usage:** DO NOT use the spray machine for any other purpose unless thoroughly cleaned by several rinsings of all parts with clean water.

### STORAGE AND DISPOSAL

**Non-refillable containers:** 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. If recycling, replace cap and return clean containers to recycler or designated collection point. 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.

**Refillable Containers:** Store in the closed, original container in a dry, 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.

**Mini Bulk Returnable Container:** Store in original sealed Mini Bulk in a cool, well ventilated area. DO NOT store for prolonged periods in direct sunlight. DO NOT tamper with the MicroMatic valve or the security seal. DO NOT contaminate the Mini Bulk with water or any other foreign matter. After each use of the product, please ensure that the MicroMatic coupler, delivery system and hoses are disconnected, triple rinsed with clean water and drained accordingly. When the contents of the Mini Bulk have been used, please return the empty Mini Bulk to the point of purchase. The Mini Bulk remains the property of TITAN AG Pty Ltd.

### SAFETY DIRECTIONS

DO NOT inhale spray mist. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water.

### 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 Amitrole 250 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: Causes serious eye irritation. Suspected of damaging fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure. 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. Do not breathe dust/fume/gas/mist/vapours/spray. Wash thoroughly after handling. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF exposed or concerned: Get medical advice/attention. Get medical advice/attention if you feel unwell. If eye irritation persists: Get medical advice/attention. Collect spillage. Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations.

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