POISON

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

TITAN

ATRAZINE 500

FLOWABLE HERBICIDE

ACTIVE CONSTITUENT: 500g/L ATRAZINE
SOLVENT: 50g/L ETHYLENE GLYCOL

GROUP 5 HERBICIDE



A pre-emergent and post-emergent herbicide for the control of selected weeds in crops and *Pinus radiata* plantations and TT-Canola as per the Directions For Use table.

APVMA Approval No.: 89648/140064

Pack Size: 10L; 20L; 110L; 1000L

TITAN AG
CROP PROTECTION

TITAN AG Pty Ltd | ABN 57 122 081 574
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Tel (02) 9999 6655 | titanag.com.au

SC Formulation Type
Suspension Concentrate

IN A TRANSPORT EMERGENCY
• DIAL 000 • POLICE OR FIRE BRIGADE

9 3082
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains atrazine)
PG III Hazchem •3Z

DIRECTIONS FOR USE

Restraints:

DO NOT apply to waterlogged soil.

DO NOT apply if heavy rains or storms that are likely to cause surface run-off are forecast within two days of application.

DO NOT irrigate to the point of run-off for at least 2 days after application.

DO NOT use as a pre-emergence application in Sorghum, Broom Millet or Saccaline during the wet season in the northern irrigation areas of Western Australia.

DO NOT apply product to any drainage line. Drainage lines show evidence of the action of periodically flowing water (for example, gravel, pebble, rock or sand bed scour hole or nick point) and/or an incised channel at least 30cm deep.

DO NOT handle, mix, apply or conduct testing operations in areas susceptible to run-off where drainage results in rapid entry into waterways, particularly where no specific and effective action has been taken to prevent run-off into waterways. These areas may include areas mounded perpendicular to the contour, roads, access tracks, snig tracks and compacted log dumps.

DO NOT use a knapsack sprayer for application in Eucalyptus and *Pinus radiata* plantations.

TT-Canola: DO NOT use or apply this product post-emergence on raised beds or where furrows have been created in the soil for the purpose or holding or channelling water.

Soil moisture: The product requires rainfall or irrigation to move it down through the soil into the weed root zone to make it effective. Sufficient rain or irrigation to thoroughly wet the soil through the weed root zone should occur or be made within 10 days after spraying.

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. The buffer zones in the relevant buffer zone table below provide guidance but may not be sufficient in all situations. Wherever possible, correctly use application equipment designed to reduce spray drift and apply when the wind direction is away from these sensitive areas.

DO NOT apply unless the wind speed is between 3 and 20 kilometres per hour at the application site during the time of application.

DO NOT apply if there are hazardous surface temperature inversion conditions present at the application site during the time of application. Surface temperature inversion conditions exist most evenings one to two hours before sunset and persist until one to two hours after sunrise.

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

- Minimum distances between the application site and downwind sensitive areas (see 'Mandatory buffer zones' section of the following table titled 'Buffer zones for boom sprayers') are observed.

DO NOT apply by aircraft unless the following requirements are met:

- For release heights 25% of wingspan or 25% of rotor diameter or lower above the target canopy, minimum distances between the application site and downwind sensitive areas (see 'Mandatory buffer zones' section of the following table titled 'Buffer zones for protection of the aquatic environment') are observed.

Buffer zones for protection of the aquatic environment	
Application Rate	**Mandatory Downwind Buffer Zones**
	Natural Aquatic Areas
Up to maximum label rate	60 metres

CROP AREAS					
SITUATION & CROP	**WEEDS CONTROLLED**	**STATE**	**SOIL TYPE**	**RATE/ha**	**CRITICAL COMMENTS**
Canola (Triazine Tolerant varieties only) Pre-emergence or post-sowing pre-emergence only	Capeweed, Charlock, Clover, Corn Cromwell, Doublegee, Fumitories, Geraniums, Ivy-leaf Speedwell, London Rocket, Mustards, Turnips, Paterson's Curse, Shepherd's Purse, Silver Grass (Vulpia) Suppression of Annual Ryegrass, Barley Grass, Brome Grass, Wild Oats, Wild Radish	ALL STATES	All soils	2 to 4.0L	**Important:** This use is subject to adherence to the Integrated Weed Management Strategy for TT-Canola. **See General Instructions:** Integrated Weed Management Strategy for TT-Canola. Can be applied up to a week before sowing or post-sowing pre-emergence (ideally incorporated by harrows). For best results apply to bare moist soil, either immediately before seeding or as a pre-emergence treatment at or within 7 days of planting. Sufficient rainfall (20-30mm) to wet the soil through the weed root zone is necessary within 2-3 weeks of application. Application should not be made to ridged or excessively cloddy soil. When applied before seeding, incorporate to a depth of 5cm.
Canola (Triazine Tolerant varieties only) Post-emergence application	Annual Ryegrass (1-2 leaf stage only), Mustards, Wild Radish, Turnips	ALL STATES		1 to 2.0L	**Important:** This use is subject to adherence to the Integrated Weed Management Strategy for TT-Canola. **See General Instructions:** Integrated Weed Management Strategy for TT-Canola. Apply to moist soil when weeds are actively growing. The addition of 0.5-1% v/v of crop oil will enhance post-emergence activity. **Cold water:** Under cold water conditions (10˚C or less), use Hasten as a crop oil. DO NOT apply more than one post-emergence application.

TITAN AG CROP PROTECTION

SITUATION & CROP	WEEDS CONTROLLED	STATE	SOIL TYPE	RATE/ha	CRITICAL COMMENTS
Conservation Tillage – Maintenance of fallow areas prior to planting a Sorghum crop	Amaranthus, Annual Ground Cherry, Barnyard Grass, Blackberry Nightshade, Black Bindweed, Bladder Ketmia, Burrs- Cobbler's Pegs, Common Thornapple, Crowsfoot Grass, Dwarf Marigold, Fat Hen, Love Grass, Mintweed, Pigweed, Prickly Paddy Melon, Parthenium Weed, Pigeon Grass, Plains Grass, Potato Weed, Sesbania Pea, Summer Grass, Sunflowers, Wild Oats, Wireweed, Yellowvine	QLD, NSW, ACT only	All soils	3.6-6.0L	**Pre-plant:** Apply pre-plant to moist soil or when rain is imminent and prior to germination of weeds. May be tank mixed with recommended knockdown herbicides if weeds are present. Use the lower rate when short-term control is required, or if Wheat crop is to be planted following the Sorghum crop. For Parthenium Weed apply a maximum of 6L/ha/annum.
Fallow area maintenance prior to sowing Wheat, Peas, Lupins	Broadleaf weeds and grasses	VIC only		1.0-1.5L	Apply late July-mid September for May June sowing. Use the higher rate for a 14 month fallow – apply in February/April before autumn rains.
Grass seed crops (established stands of Sirocco, Phalaris, Demeter Fescue and Currie Cocksfoot)	Brome Grass	ALL STATES		1.8-2.0L	Apply after the autumn break when Brome Grass is just emerging. Apply by low volume boom spray.
Grass pastures	Giant Sensitive Plant	QLD only	All soils	4.0-6.0L	**Post-emergent only:** Apply to moist soil and when rain is likely. Use the highest rate when long residual control is required.
Seedling Signal Grass and *Panicum maximum*	Billygoat Weeds (Blue Top), Cobbler's Pegs, Crowsfoot Grass, Fleabanes, Lovegrass, Mexican Poppy, Rhodes Grass, *Setaria* spp., *Sida* spp., Stinking Roger, Thickhead, Wild Hops, Wild Radish, Woolly Top	QLD only		4.5-6.0L	**Pre-emergent:** Apply at or immediately after planting, preferably to a moist soil, and before crop and weeds germinate. Use the lowest rate on *Panicum maximum* seed crops and the highest rate on Signal Grass when grasses are likely to be a major problem. Guinea Grass, Panics and Summer Grasses (*Digitaria* spp. and *Brachiaria* spp.) are not controlled. **Note:** Damage may occur to *Panicum maximum* when application is made under cool dry conditions.
Seedling Ryegrass, seed crops	Toad Rush, Winter Grass	VIC only		0.8-1.0L	Use the lower rate at 2-3 leaves and the higher rate at early tillering. Use at the tillering stage.
	Broadleaf weeds, Toad Rush and Winter Grass			1.0L plus 500mL MCPA (500g/L) and 400mL dicamba (500g/L)	
Established Ryegrass, seed crops	Barley Grass, Docks, Loosestrife Sorrel, Silver Grass, Soft Brome, Toad Rush, Winter Grass			1.5-2.0L	Apply after good autumn rains have fallen and conditions are becoming cooler – around late May to mid June – graze heavily prior to application. **Note:** Some crop damage may occur on sandy soils – If crop is water stressed then damage may occur. – DO NOT apply nitrogen prior to spraying.
Established Lucerne (more than 1 year)	Mintweed	ALL STATES		1.1L	Apply by low volume boom spray to first germination of seedlings at 5 to 8cm high. Use 140 to 170 litres of spray mixture per hectare.
Lupins – weedfree seedbed	Capeweed, Clovers and Medics, Doublegee, Mustard, Turnip, Wild Radish, Wireweed Suppression of annual grass weeds	WA only		0.5-1.0L plus 0.5-1.0L simazine (500g/L)	Apply to bare moist soil immediately before or at seeding. Application should not be made to ridged or excessively cloddy soil. Incorporation by the sowing operation should not exceed 5cm. Sufficient rainfall (20-30mm) to wet the soil through the weed root zone is necessary within 2-3 weeks of application. Results can be variable if seasonal conditions are dry prior to sowing and Lupins are sown into a dry or low moisture seedbed. Apply a maximum of 1.6L/ha of the mixture on yellow sands. Apply 2.0L/ha on all other soil types. **Note:** Some early crop phytotoxicity may be observed particularly on yellow sands carrying native pear and pine vegetation. **Caution:** DO NOT use on white or grey sands.

SITUATION & CROP	WEEDS CONTROLLED	STATE	SOIL TYPE	RATE/ha	CRITICAL COMMENTS
Eucalypt/*Pinus radiata*	Broadleaf weeds and Grasses including: Capeweed, Clovers, Common Sowthistle (seedlings), Mouse-ear Chickweed, Ryegrass, Sand Brome, Silver Grass, Spear Thistle (seedlings), Wild Oats, Yorkshire Fog	ALL STATES	All soils	up to 9.0L	For sandy and highly erodible soils.
				up to 16.0L	For loams and heavier textured soils. Preferably apply as a strip.
Sorghum, Brome Millet, Saccaline (Forage Sorghum) (Irrigated or Dryland)	*Amaranthus* spp., Annual Ground Cherry, Barnyard Grass, Blackberry Nightshade, Black Bindweed (Climbing Buckwheat), Bladder Ketmia, Burrs, Caltrop, Crowsfoot Grass, Dwarf Marigold, Fat Hen, Love Grass, Mintweed, Paddy Melon, Parthenium Weed, Pigeon Grass, Pigweed, Plains Grass, Potato Weed, Sesbania Pea, Summer Grass, Sunflowers, Thornapple, Wild Oats, Wireweed	ALL STATES		3.6L	**DRYLAND AREAS – Pre-plant or pre-emergence** A further application may be required (post-emergence) under dry conditions where long term weed control is required or additional weed control is required because of heavy rainfall OR prolonged wet conditions OR because dry weather follows sowing and spraying, and weed and grass growth occurs.
				3.6 and 2.5L	**DRYLAND AREAS – Pre-emergence followed by post-emergence** Blanket application. DO NOT apply to very sandy soils.
				6.0L	**DRYLAND AREAS – Post-emergence** For control of annual grasses.
				4.5L	**DRYLAND AREAS – Post-emergence for control of broadleafed weeds** Blanket application. Refer "Method and Application Table".
Sorghum, Brome Millet, Saccaline (Forage Sorghum) (Irrigated or Dryland)	*Amaranthus* spp., Annual Ground Cherry, Barnyard Grass, Blackberry Nightshade, Black Bindweed (Climbing Buckwheat), Bladder Ketmia, Burrs, Caltrop, Crowsfoot Grass, Dwarf Marigold, Fat Hen, Love Grass, Mintweed, Paddy Melon, Parthenium Weed, Pigeon Grass, Pigweed, Plains Grass, Potato Weed, Sesbania Pea, Summer Grass, Sunflowers, Thornapple, Wild Oats, Wireweed	ALL STATES	Light soil	4.5L	Irrigated areas (not MIA) – POST-EMERGENCE ONLY. **IRRIGATED AREAS – Pre-plant or pre-emergence followed by post-emergence** Use heavier rates where grasses are a major problem. **IRRIGATED AREAS – Pre-emergence only or post-emergence (not in MIA)** Use the heavier rates where grasses are a major problem. For control of Parthenium Weed apply a maximum of 6L/ha/annum.
			Medium soil	3.0 and 2.5 to 3.5L	
			Heavy soil	3.5L	
			Medium soil	4.6 to 6.0L	
			Heavy soil	6.0L	
Maize and Sweet Corn			Light and Medium soil	4.5L	Main problem broadleafed weeds. Apply by low volume boom or aircraft. For major grass problems. Apply by low volume boom or aircraft.
			Medium and Heavy soils	6.0L	
Sorghum	Parthenium Weed	QLD, NSW, ACT, NT only	All soils	2-4.0L	Apply as pre-emergence blanket spray. Add a 100% non-ionic surfactant at 100mL/100L of spray mixture. Apply maximum 6L/ha/annum.
	Black Pigweed, Sesbania Pea			2.0L & 500mL 2,4-D (500g/L DMA salt)	Post-emergence.
Sorghum (Concep®II treated seed)	Amaranthus, Annual Ground Cherry, Black Bindweed (Climbing Buckwheat), Black Pigweed, Blackberry Nightshade, Bladder Ketmia, Burrs, Caltrop, Cobbler's Pegs, Common Thornapple, Dwarf Marigold, Fat Hen, Liverseed Grass, Mintweed, Prickly Paddy Melon, Parthenium Weed, Potato Weed, Sesbania Pea, Wireweed	QLD, NSW, ACT, VIC, WA only		2.5L plus 2 to 4.0L metalochlor (720g/L)	**Pre-emergence only:** Use the lowest rate of metalochlor on light to medium soils and the highest rate on heavy soils or where a heavy grass population is expected. Refer to Incorporation in General Instructions.
Maize and Sorghum	Black Pigweed	Central QLD only		2.0L	Pre-emergence.
				0.6-2.0L	**Post-emergence:** Use lower rate for seedlings (2 true leaves). For plants up to 3cm in diameter use higher rate. Add 100mL of a 100% non-ionic surfactant (see application).
Potatoes	Knockdown of existing weed growth and residual control of the following weeds and grasses, as an aid to the harvesting of potatoes: Capeweed, Clovers, Cruciferous Weeds, Paterson's Curse, Ryegrass, Variegated Thistle, Winter Grass	VIC, TAS only		2.3L plus 4.6L of a 250g/L amitrole with 220g/L ammonium thiocyanate	Apply after Potato haulms have dried off and weeds are at seedling stage.

SITUATION & CROP	WEEDS CONTROLLED	STATE	SOIL TYPE	RATE/ha	CRITICAL COMMENTS
Sugarcane	Blue Top, Budda Pea, Cobblers Peg, Flannel Weed, Giant Sensitive Plant, Pigweed, Sesbania, Sida Retusa, Stinking Passion Vine, Thickhead, Vines, Wild Rose	QLD, NSW only	All soils	4.0 to 6.0L	Aim to apply to moist soil. Lower rate to be used for short term (2-3 weeks), post-emergence control of broadleaf weeds. Where plants are large, or conditions dry, add 2,4-D Amine 500g/L at a rate of 1L/ha plus 600g/L non-ionic surfactant at 250mL/200L. Good coverage is essential. Use the higher rate when up to 14 weeks residual control of broadleaf weeds is required.
	Barnyard Grass, Crowsfoot Grass, Summer Grass (*Digitaria* spp. only)				Where grasses are a problem apply as a pre-emergence spray. If emerged grasses are present, add a post-emergence herbicide such as paraquat (200g/L) at 1.4L/ha
Roadside and Rights-of-way	Parthenium Weed	QLD, NSW, ACT, NT only		6.0L	**Pre- and post-emergent only:** Apply to moist soil, following germinating rains and when further follow up rain is imminent. Where germination has occurred, ensure application is made to seedling plants. Apply a maximum 3kg ai/ha/annum.

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

METHOD AND APPLICATION TABLE

For Dryland or Irrigated Sorghum, Broom Millet and Forage Sorghum, Maize and Sweet Corn.

TYPE OF APPLICATION		CRITICAL COMMENTS	INCORPORATION
A	Pre-plant application – followed by post-emergence application	Apply after establishment of the seedbed and up to two weeks prior to sowing. Application should preferably be made to moist soil. If using this technique on irrigated crops then a post-emergence spray must be applied as soon as possible after the crop has emerged and developed 2-3 leaves.	If applied to dry soil, lightly harrow to incorporate Atrazine 500 SC into the soil not more than 4cm deep.
B	Pre-emergence – followed by post-emergence application	Apply at or immediately after planting and before crop and weeds emerge. Application should preferably be made to moist soil. If using this technique on irrigated crops then a post-emergence spray must be applied as soon as possible after the crop has emerged and developed 2-3 leaves.	As above.
C	Pre-emergence application	Apply at or immediately after planting and before crop and weeds emerge. Application should preferably be made to moist soil. **Note:** Applying the total amount of preparation as a pre-emergence application increases the risk of crop damage.	As above.
D	Post-emergence application	Application must be made to seedling broadleaf weeds and grasses when they are not more than 1cm high. Normally the crop is then at the 2-3 leaf stage. Soil should be moist and rain or irrigation should follow application. Add a 100% non-ionic surfactant at a rate of 100mL per 100L of spray for all post-emergence applications.	

Eucalyptus/*Pinus radiata* plantations

Type of Application	Critical Comments
Pre-planting	Graze area heavily and apply the tank mixture no more than 2 weeks before planting.
Post-planting	Apply tank mixture either immediately after or within one month of planting. Application must be made before the spring commences. Avoid spraying the seedlings by using directed spray.

Should weeds develop after a pre-plant or pre-emergence application a shallow cultivation may assist control. Avoid deep cultivation which may throw untreated soil over the sprayed areas, as this may seriously reduce weed control.

WITHHOLDING PERIODS:

Grazing
Canola
Pre-emergence application: DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 15 WEEKS AFTER APPLICATION.
Post-emergence application: DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 6 WEEKS AFTER APPLICATION.

OTHER CROPS (except Canola): DO NOT APPLY TO AREAS THAT WILL OR MAY BE GRAZED OR CUT FOR STOCKFEED WITHIN 28 DAYS OF APPLICATION.

Harvest
ALL CROPS: NOT REQUIRED WHEN USED AS DIRECTED.

TITAN AG CROP PROTECTION

GENERAL INSTRUCTIONS

TITAN Atrazine 500 Flowable Herbicide is a pre- and post-emergence herbicide which will selectively control:

- Weeds and grasses in Canola (Triazine Tolerant varieties only), Sorghum, Maize, Sweet Corn, Sugarcane, Lupins, Broom Millet, Saccaline and Forage Sorghum.
- Mintweed in established Lucerne.
- Brome Grass in Sirocco Phalaris, Demeter Fescue and Currie Cocksfoot grass seed crops.
- Provide control of weeds and grasses growing on a fallow in a conservation tillage system. Established perennial species are not satisfactorily controlled at the rates recommended. Duration and effectiveness of control depends on the amount of chemical applied, soil type, rainfall and particular weed species. The maximum rate of application in all crops except plantation forestry will be 3kg ai/ha per year. The maximum rate of application in plantation forestry will be 4.5kg ai/ha per year in sandy soils and those defined as highly erodible and 8kg ai/ha per year in clay loams and heavier textured soils.

INTEGRATED WEED MANAGEMENT STRATEGY FOR TT-CANOLA

An Integrated Weed Management Strategy for TT-Canola (the Strategy) has been developed and funded by the Canola Association of Australia in co-operation with certain companies. The Strategy outlines recommendations, measures and options for weed management, including management of herbicide resistance in weed populations.

The Strategy is available from a TITAN AG representative and the Canola Association of Australia. A program has been developed that outlines sound agronomic practices and integrated weed management programs designed to optimise the performance of TT-Canola. It is advised that consultation on IWM be undertaken with an accredited agronomist prior to use of Atrazine 500 SC on TT-Canola.

TO MINIMISE HERBICIDE RESISTANCE

- Avoid dry sowing in heavily weed infested paddocks. Wait for a weed germination after the opening rains in weedy paddocks. Use a pre-plant knockdown or cultivation. No weeds should be allowed to survive at this stage.
- Adapt the weed control program to the anticipated weed spectrum and pressure:
  Broadleaf weeds and Ryegrass: Use Simazine 500 SC or Atrazine 500 SC plus trifluralin pre-emergence. A follow-up with a Group 1 herbicide (if ryegrass is susceptible) or Atrazine 500 SC may be necessary.
  Broadleaf weeds only: Use Atrazine 500 SC post-emergence.
- DO NOT use Atrazine 500 SC or Simazine 500 SC if the area to be treated had a triazine herbicide applied to it last season.
- Watch for escapes, especially in paddocks with a long history of Group 5 herbicide use.
- DO NOT use Group 5 herbicides in consecutive years.

RESISTANT WEEDS REPORTING

Growers should collect plant or seed samples where weeds that are normally susceptible to atrazine and simazine may be resistant, get them tested and seek professional advice.

TO AVOID TRIAZINE CARRY-OVER

On acid soils (pH less than 6.5) – The maximum rate of Atrazine 500 SC or Simazine 500 SC or a combination of the two products to be applied to the crop during the growing season is 4L/ha.

On alkaline soils (pH greater than 6.5) – The maximum rate of Atrazine 500 SC or Simazine 500 SC or a combination of the two products to be applied to the crop during the growing season is 2L/ha.

Post-emergence use – It is recommended that Atrazine 500 SC only be used and at rates of 2L/ha or less, on both acid or alkaline soils.

SPECIAL INSTRUCTIONS – Summer Crops

Warning: Sorghum, Broom Millet, Saccaline

Heavy rains immediately following an application tends to result in excessive concentrations of herbicide in the seed furrow, thus encouraging possible crop injury. This is most likely to occur when a pre-plant or pre-emergence application is made using rates in excess of 3.6 litres per hectare. In the northern irrigation areas of Western Australia, do not use as a pre-emergence application during the wet season.

Note: Applying the total amount of product as a pre-emergence application increases the risk outlined in the Warning above.

MAIZE & SWEET CORN

For post-emergence application add crop oil at the rate of 5.5 litres per hectare if grasses are the major problem. Spray mixture must be continually agitated. DO NOT apply mixtures containing crop oil to stressed crops, inbred lines or breeding stock as injury may occur. Where broadleaf weeds only are present add 100mL of a 100% non-ionic surfactant per 100 litres of spray mixture.

MIXING

DO NOT mix, load or apply this product within 20m of any well, sink hole, intermittent or perennial stream. Settling may occur after storage for some weeks. Stir product or invert container several times before opening. Pour the product into the spray vat through a strainer to remove any dry particles or flakes, which can occasionally occur under hot storage conditions. Add the full quantity of product to the partly filled spray tank while agitating. Fill tank and agitate to ensure thorough mixing. Continue agitation while spraying. Agitate vigorously from the bottom if allowed to stand. Reseal part used container immediately.

COMPATIBILITY

This product is compatible with post-emergent knockdown herbicides and other residual herbicides such as diuron, hexazinone, ametryn. As formulations of other manufacturers products are beyond the control of TITAN AG Pty Ltd, all mixtures should be tested prior to mixing commercial quantities.

METHOD OF APPLICATION

By low volume boom or aircraft. With aircraft application the need for good soil moisture at the time of application and follow up rain or irrigation within 10 days is most critical. Suggested minimum volumes of spray mixture per hectare:

Aircraft: 20 to 30 litres per hectare.

Boom: 50 to 100 litres per hectare.

Application can be made as an overall or band treatment.

Minimum band width should be 30cm.

DO NOT use human flaggers in aerial spraying, unless protected by engineering controls such as enclosed cabs.

TT-CANOLA APPLICATION

DO NOT apply to TT-Canola by aircraft. Apply only with a low boom sprayer with a 60m buffer zone downwind of treated fields to natural or impounded lakes or dams and a 20m buffer zone for any well, sink hole, intermittent or perennial stream. Apply only to areas where run-off is unlikely to occur or where run-off may be captured by farm earthworks.

RESISTANT WEEDS WARNING

GROUP **5** HERBICIDE

TITAN Atrazine 500 Flowable Herbicide is a member of the triazines group of herbicides. TITAN Atrazine 500 Flowable Herbicide has the inhibitor of photosynthesis at photosystem II mode of action. For weed resistance management TITAN Atrazine 500 Flowable Herbicide is a Group 5 Herbicide. Some naturally occurring weed biotypes resistant to TITAN Atrazine 500 Flowable Herbicide and other Group 5 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 Atrazine 500 Flowable Herbicide or any other Group 5 herbicide. Since the occurrence of resistant weeds is difficult to detect prior to use, TITAN AG Pty Ltd accepts no liability for any losses that may result from the failure of TITAN Atrazine 500 Flowable Herbicide to control resistant weeds. Any incidents of resistance must be reported to TITAN AG Pty Ltd.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

DO NOT contaminate streams, rivers or waterways with the chemical or used containers. This product is very highly toxic to algae and aquatic macrophytes. DO NOT mix/load or apply product within 20m of any well, sink holes, intermittent or perennial streams or river. DO NOT use in channels or drains. DO NOT apply in weather conditions likely to cause drift onto susceptible crops/plants, cropping lands or pastures. DO NOT apply this product within 60m of natural or impounded lakes or dams.

PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

DO NOT spray foliage of desirable plants. DO NOT apply high rates of application to heavier soils if roots of desirable shrubs and trees are near the surface. DO NOT use in channels or drains. DO NOT use near newly planted shrubs, young ornamentals and species with shallow roots eg. Prunus species or trees in sandy porous soils. DO NOT plant crops other than those recommended on this label for at least 18 months following treatments at rates up to 6L per hectare.When rates in excess of 6L per hectare are applied, plantings may not be possible for very long periods afterwards. DO NOT apply under weather conditions or from spraying equipment that may cause spray to drift onto nearby susceptible plants/crops, cropping land or pastures.

TITAN AG CROP PROTECTION

STORAGE AND DISPOSAL
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 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.
For 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 and skin. Avoid contact with eyes and skin. When preparing spray and if applying by boomspray equipment wear cotton overalls buttoned to the neck and wrist (or equivalent clothing), a washable hat and elbow-length chemical resistant gloves. Wash hands after use. After each day's use, wash contaminated clothing and gloves.

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 Atrazine 500 Flowable 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 if swallowed. May cause an allergic skin reaction. Causes serious eye irritation. Suspected of causing cancer. May cause damage to organs through prolonged or repeated exposure. Very toxic to aquatic life with long lasting effects. Precautionary Statements: Do not breathe mist/vapours/ spray. Wear protective gloves, protective clothing, eye protection and face protection. Wash all exposed external body areas thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid release to the environment. Do not handle until all safety precautions have been read and understood. Contaminated work clothing should not be allowed out of the workplace. IF exposed or concerned: Get medical advice/ attention. IF ON SKIN: Wash with plenty of water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention if you feel unwell. If skin irritation or rash occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. IF SWALLOWED: Call a POISON CENTER/doctor/physician/first aider if you feel unwell. Rinse mouth. Store locked up. Dispose of contents/ container to authorised hazardous or special waste collection point in accordance with any local regulation.



TITAN AG
CROP PROTECTION