READ SAFETY DIRECTIONS BEFORE OPENING OR USING

TITAN

SIMAZINE 900 WG

HERBICIDE

ACTIVE CONSTITUENT: 900g/kg SIMAZINE

GROUP 5 HERBICIDE



For the control of weeds in a range of horticultural and broadacre crops, forestry and in non-crop situations as per Directions For Use table.

APVMA Approval No.: 62193/126984

Pack Size: 10-15kg

TITAN AG
CROP PROTECTION

TITAN AG Pty Ltd | ABN 57 122 081 574
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WG Formulation Type
Water Dispersible Granule

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

9 3077
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (contains simazine)
PG III Hazchem 2Z

DIRECTIONS FOR USE

Restraints: DO NOT exceed highest rate recommended for any particular crop.
DO NOT plant crops other than those recommended, following treatments at rates up to 2.5kg/ha for at least 9 months after application.
When rates exceed 2.5kg/ha, planting may not be possible for longer periods and trial plantings should be conducted to check residual activity.

FRUIT AND VEGETABLES					
CROP SITUATION	**STATES**	**WEEDS**	**RATE**		**CRITICAL COMMENTS**
			Light Soils	**Heavy Soils**	
Almonds (*Prunus amygdalus*), hazelnuts, walnuts	ALL STATES	Amaranthus, Annual Ryegrass, Annual Thistles, Barley Grass, Bindy-eye, Capeweed, Chickweed, Common Sow Thistle, Fumitory, Corn Gromwell (Sheep Weed), Creeping Oxalis, Double-gee, Fat Hen, Geranium, Ivy-leaf Speedwell, Nettles, Potato Weed, Red Shank, Shepherd's Purse, Turnips, Wild Mustard, Winter Grass, Wireweed Suppression of Brome Grass, Wild Oats, Soursob	1kg/ha	2kg/ha	Trees should be at least 3 years old. Apply to bare moist soil.
Apples	QLD only	REFER TO WEED TABLE	4kg/ha	4.9kg/ha	Trees should be at least 3 years old. Apply to bare, moist soil.
	NSW, ACT, VIC, TAS, SA, WA only		1.8kg/ha	2.5kg/ha	**Warning:** DO NOT use on excessively sandy soils, as crop damage may occur.
Asparagus	ALL STATES		1.2kg/ha	2.5kg/ha	Apply to bare, moist soil prior to spear emergence.
Berry fruits	ALL STATES		2.5kg/ha	2.5kg/ha	Berry vines should be at least one year old. DO NOT apply to foliage or when fruit is present. Apply to bare, moist soil.
Citrus	ALL STATES		2.5kg/ha	2.5kg/ha	Citrus trees should be at least one year old. Apply to bare moist soil.
Hops	ALL STATES		1.3kg/ha	2.5kg/ha	Apply to bare, moist soil in late winter or early spring, prior to hop emergence.
Pears	QLD only		3.8kg/ha	3.8kg/ha	Trees should be at least 3 years old. Apply to bare, moist soil.
	NSW, ACT, VIC, TAS, SA, WA only		1.8kg/ha	2.5kg/ha	**Warning:** DO NOT use on excessively sandy soils, as crop damage may occur.
Strawberry	ALL STATES		1.2kg/ha	–	Apply between polythene covered beds. DO NOT use on white or grey sands in WA.
Vineyards	QLD only		3.8kg/ha	3.8kg/ha	Vines should be at least 3 years old. Apply to bare, moist soil. Use only if vines are at least 12 months old. In the first year of use, split applications are preferred. DO NOT use 4kg/ha rate on vines less than 3 years old.
	NSW, ACT, VIC, TAS, SA, WA only		1.9kg/ha	4kg/ha	

FIELD CROPS AND PASTURE				
CROP SITUATION	**STATES**	**WEEDS**	**RATE**	**CRITICAL COMMENTS**
Canola – Triazine Tolerant varieties only Pre-emergence or post-sowing pre-emergence only	ALL STATES	Capeweed, Charlock, Clover, Corn Cromwell, Doublegee, Fumitories, Geraniums, Ivy-leaf Speedwell, London Rocket, Mustards, Paterson's Curse, Shepherd's Purse, Silver Grass (Vulpia), Turnips Suppression of Annual Ryegrass, Barley Grass, Brome Grass, Wild Oats, Wild Radish	1.1-2.2kg/ha	This use is subject to an Integrated Weed Management Strategy for the use of triazine herbicides in triazine tolerant (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.
Chickpeas	QLD, NSW, ACT, SA only	Deadnettle, Indian Hedge Mustard, Lesser Swinecress, Milk Thistle, Prickly Lettuce, Purple Goosefoot, Shepherd's Purse, Turnip Weed, Wireweed Suppression of Black Bindweed, Paradoxa Grass	800g/ha + 1.5L of a 900g/kg Prometryn	Apply immediately post-planting. Application should not be made to ridged or excessively cloddy soil. For reliable results, significant rain (20-30mm) is necessary within 2-3 weeks of sowing.

FIELD CROPS AND PASTURE – continued					
CROP SITUATION	**STATES**	**WEEDS**	**RATE**		**CRITICAL COMMENTS**
Chickpeas *– continued*	QLD, NSW, ACT, VIC, SA only	Milk Thistle (Common Sowthistle), Indian Hedge Mustard, Turnip Weed Suppression of Prickly Lettuce, Shepherd's Purse, Wireweed	800g-1.1kg/ha		For best results, apply to bare moist soil, immediately post planting. Sufficient rainfall (20-30mm) to wet the soil through the weed root zone is necessary within 2 to 3 weeks of application. Applications should not be made to ridged or excessively cloddy soil. Use the lower rate on light sandy soils.
	QLD, NSW, ACT, VIC, SA, WA only	Annual Ryegrass, Barley Grass, Capeweed, Corn Gromwell, Fumitories, Geranium, Ivy-leaf Speedwell, Rough Poppy, Mustards, Turnips, Volunteer Canola (not triazine tolerant cultivars), Wireweed Suppression of Brome Grass, Wild Oats	800g-1.1kg/ha plus 800mL of TITAN Trifluralin 480 Selective Herbicide		Apply to bare moist soil and incorporate to a depth of 5cm just prior to sowing. Incorporation should be made within 4 hours of application. Use this mixture where Annual Ryegrass and Wild Oats are the major problem. Sufficient rainfall (20-30mm) to wet the soil through the weed root zone is necessary within 2 to 3 weeks of application. Application should not be made to ridged or excessively cloddy soil. Use the lower rate on light sandy soils.
	WA only	Capeweed, Clover, Dock, Doublegee, Mustard, Radish, Self sown cereals, Silver Grass, Turnip Weed Suppression of Barley Grass, Ryegrass, Wild Oats	550g-1.1kg/ha		For best results, apply to bare moist soil, either immediately before seeding, or as a pre-emergent treatment at or within 7 days of planting. Sufficient rainfall to wet the soil through the weed root zone (20-30mm) is necessary within 2-3 weeks of application. Results can be variable if seasonal conditions are dry prior to sowing, and Chickpeas are sown into a dry or low moisture seedbed. Application should not be made to ridged or excessively cloddy soil. When applied before seeding, incorporation by the sowing operation should not be greater than 5cm. Use 0.55-0.775kg on lighter soils and in the Northern Agricultural areas, and up to 1.1kg on heavier soil types. DO NOT use on whitish or grey sands.
CROP SITUATION	**STATES**	**WEEDS**	**RATE**		**CRITICAL COMMENTS**
			Light Soils	**Heavy Soils**	
Oil Tea Tree (pre-plant only)	ALL STATES	Fat Hen, Potato Weed, Wireweed, Barnyard Grass, Geranium, Needle Burr, Red Shank, Annual Thistles, Sow Thistles, Creeping Oxalis	1.5kg/ha plus 1.2L trifluralin (480g/L)	2.2kg/ha plus 2.3L trifluralin (480g/L)	Apply to bare moist soil. Apply up to 4 weeks before planting and incorporate within 4 hours of application according to the instructions on the trifluralin label.
		Germinating broadleaf weeds, grasses, sedges and rushes	1.5kg/ha plus metolachlor (720g/L) 2-4L/ha	2.2kg/ha plus metolachlor (720g/L) 2-4L/ha	Apply to moist soil as a spray using a low volume boom applying 60-120L of water/ha. The seed bed should be free of clods and trash. Rain or irrigation is necessary within 10 days of spraying to thoroughly wet the top 3-4cm of soil. Avoid excessive disturbance of the treated zone at transplanting, as this reduces weed control. Follow the instructions on the metolachlor label.
Oil Tea Tree (post-harvest)		Annual weeds	1.1kg/ha plus metolachlor (720g/L) 2-4L/ha	1.6kg/ha plus metolachlor (720g/L) 2-4L/ha	Apply post-harvest over stumps prior to budburst using a boom-sprayer. DO NOT apply more than 1 application per product per season. Ensure there is no residual foliage at the time of application. Follow the instructions on the metolachlor label.
CROP SITUATION	**STATES**	**WEEDS**	**RATE**		**CRITICAL COMMENTS**
Ginger (*Zingiber officinale*)	ALL STATES	Pre-emergent control of broadleaf and annual grass weeds	2.5kg/ha simazine OR 2.5kg/ha simazine in combination with 6L/ha oryzalin (500g/L)		Apply one application only, immediately post plant, pre-emergence of the crop. Apply simazine alone for low weed density. Apply with oryzalin when there is a wide weed spectrum.
CROP SITUATION	**STATES**	**WEEDS**	**RATE**		**CRITICAL COMMENTS**
			Light Soils	**Heavy Soils**	
Pyrethrum (*Tanacetum cinerariifolium*)	ALL STATES	Burr Chervil, Knotted Hedge, Parsley, Groundsel	1.1kg/ha	2.2kg/ha	DO NOT apply more than the maximum rate per year. For split application/double knock apply at half the maximum rate in Feb/Mar and again at half the maximum rate in Jun/July. DO NOT apply to soils prone to waterlogging.
Faba beans	QLD, NSW, ACT, VIC, SA, WA only	Annual Ryegrass, Barley Grass, Brome Grass, Capeweed, Corn Gromwell (Sheepweed), Deadnettle, Fumitories, Geranium, Ivy-leaf Speedwell, Medics, Mustards	1.1kg/ha	1.4kg/ha	Apply either pre-seeding or immediately post-sowing which is preferred on light soils. Sow the crop at least 5cm deep. Use the lowest rate on light soils. Application should not be made to ridged or excessively cloddy soil. For fully reliable results, significant rainfall (20-30mm) is necessary within 2-3 weeks of sowing. DO NOT use rates higher than 1.1kg/ha on soils with pH 8.0 and above as unacceptable crop damage may occur.

FIELD CROPS AND PASTURE – continued					
CROP SITUATION	**STATES**	**WEEDS**	**RATE**		**CRITICAL COMMENTS**
			Light Soils	**Heavy Soils**	
Faba beans *– continued*	QLD, NSW, ACT, VIC, SA, WA only	Paradoxa Grass, Saffron Thistle, Soursob, Volunteer Canola, Wireweed Suppression of Wild Oats	550g/ha plus 830mL of TITAN Trifluralin 480 Selective Herbicide	800g/ha plus 830mL of TITAN Trifluralin 480 Selective Herbicide	Apply to bare moist soil and incorporate to a depth of 5cm just prior to sowing. Incorporation should be made within 4 hours of application. Use this mixture where Annual Ryegrass and Wild Oats are the major problem. Application should not be made to ridged or excessively cloddy soil. For fully reliable results, significant rainfall (20-30mm) is necessary with 2-3 weeks of application.
Lucerne (established)	TAS only	REFER TO WEED TABLE	1.1kg/ha	1.1kg/ha	Use only if lucerne is more than 12 months old. Apply during the winter dormant period before weeds emerge.
Lupins	NSW, ACT, VIC, TAS, SA only	Annual Ryegrass, Barley Grass, Capeweed, Fumitories, Wireweed, Corn Gromwell (Sheepweed), Ivy-leaf Speedwell, Turnips, Mustards, Geraniums Suppression of Wild Oats, Brome Grass, Soursob	800g-1.1kg/ha	1.3-2.2kg/ha	Apply 50-100L of spray mixture/ha. Apply to bare moist soil at or within 2 days of sowing. Application should not be made to ridged or excessively cloddy soil. Use the highest rate on heavy soil or where free organic matter such as trash is present. If dry conditions prevail after application, incorporation with light harrows up to 1 week after sowing may assist results.
Lupins – when no weeds are present at time of sowing	WA only	Capeweed, Clover, Dock, Doublegee, Mustard, Radish, Self sown cereals, Silver Grass, Turnip Suppression of Barley Grass, Brome Grass, Ryegrass, Wild Oats	550g-1.1kg/ha	1.1-1.6kg/ha	Can be applied as a pre-emergence treatment before or within 2 days of planting. Application should not be made to ridged or excessively cloddy soil. For fully reliable results, significant rainfall (10-20mm) is necessary within 2 to 3 weeks of application. **Note:** Not for use on white or grey sands.
CROP SITUATION	**STATES**	**WEEDS**	**RATE**		**CRITICAL COMMENTS**
Lupins – when no weeds are present at time of sowing *– continued*	WA only	Capeweed, Clover, Dock, Doublegee, Mustard, Radish, Self sown cereals, Silver Grass, Turnip Suppression of Barley Grass, Brome Grass, Ryegrass, Wild Oats	550g-1.1kg/ha plus 1.25L TITAN Trifluralin 480 Selective Herbicide		For best results, apply the tank mix to bare moist soil and incorporate to a depth of 5cm just prior to sowing. Application should not be made to ridged soil. Incorporation should be made within 4 hours of application. Use as a pre-emergence application only. Use this mixture where Annual Ryegrass and Wild Oats are the major problems. Sufficient rainfall to wet the soil through the weed root zone (20-30mm) is necessary within 2 to 3 weeks of application. Results can be variable if seasonal conditions are dry prior to sowing and Lupins are sown into dry or low moisture seedbed. Use 1-1.5L/ha on yellow sands, 2L/ha on all other soil types. Where Brome Grass is a problem use 2L/ha. DO NOT use on whitish or grey sands.
Lupins – where weeds are present at time of sowing	WA only	Capeweed, Clover, Dock, Doublegee, Mustard, Radish, Self sown cereals, Silver Grass, Turnip Suppression of Barley Grass, Brome Grass, Ryegrass, Wild Oats	550-800g/ha plus 100-160mL TITAN Paraquat 250 Herbicide		For best results apply to bare moist soil 1 to 6 days prior to seeding to areas where the crop will be sown under a conservation tillage system. Sufficient rainfall to wet the soil through the weed root zone (20-30mm) is necessary within 2 to 3 weeks of application. Results can be variable if seasonal conditions are dry prior to sowing and Lupins are sown into dry or low moisture seedbed. Use the lower rate when weeds have emerged for more than 2 weeks and the higher rate when application is made within 2 weeks of weed emergence. DO NOT use on whitish or grey sands.
Lupins Post-emergence Top up application following a pre-emergence application of Simazine	WA only	Capeweed, Clover, Dock, Doublegee, Mustard, Radish, Self sown cereals, Silver Grass, Turnip Suppression of Ryegrass, Barley Grass, Brome Grass, Wild Oats	400g-1.1kg/ha		To be used in addition to a pre-emergence application of Simazine 900 WG, but not as an alternative to a pre-emergence application. Apply to moist soil. Use rates of 400-550g within 4 weeks after seeding. DO NOT apply to Lupins which are showing symptoms of TITAN Simazine 900 WG Herbicide damage from the pre-emergence herbicide application.
Sub Clover Established lucerne and perennial pastures	NSW, ACT, VIC, TAS, SA only	Vulpia (Silver Grass), Rat's Tail Fescue, Squirrel-tail Fescue, Sand Fescue	550-900g/ha		Apply 6-10 weeks after emergence of the pasture, but not before the 3rd trifoliate leaf stage of Sub Clover. Best results are obtained from application to young, well grazed and actively growing plants. Some damage to Sub Clover may occur especially at the higher rates. DO NOT apply to sand soils and use the lower rates on light textured soils. Apply under moist soil conditions, rain following application enhances results. DO NOT apply to stressed plants. Insect infestations should be controlled and Sub Clover allowed to recover before the TITAN Simazine 900 WG Herbicide is applied. DO NOT use herbicides for broad-leaved weed control within 3 weeks of application.

FIELD CROPS AND PASTURE – continued					
CROP SITUATION	**STATES**	**WEEDS**	**RATE**		**CRITICAL COMMENTS**
Sub Clover Established lucerne and perennial pastures *– continued*	NSW, ACT, VIC, SA only	Vulpia (Silver Grass), Rat's Tail Fescue, Squirrel-tail Fescue, Sand Fescue	550-800g/ha plus 100-160mL of TITAN Paraquat 250 Herbicide		Apply 6-10 weeks after emergence of the pasture, but not before the 3rd trifoliate leaf stage of Sub Clover. Best results are obtained from application to young, well grazed, and actively growing plants. However, the addition of paraquat improves the control of well established plants. Add a non-ionic surfactant at 0.2% v/v (200mL/100L). Under conditions of good soil moisture, control of other grasses and some broadleaf weed seedlings may occur. DO NOT apply to sandy soils and use the lower rates on light textured soils. Apply under moist conditions, rain following application enhances results. DO NOT apply to stressed plants. Insect infestations should be controlled and Sub Clover allowed to recover before the TITAN Simazine 900 WG Herbicide plus paraquat is applied. DO NOT use herbicides for broad-leaved weed control within 3 weeks of application.
	WA only	Vulpia (Silver Grass), Rat's Tail Fescue	400-550g/ha		Apply within 8 weeks of emergence of Sub Clover and grasses. Under conditions of good soil moisture control of other grasses and some broadleaf weeds may occur. Ensure that there is a good stand of Sub Clover present before spraying. Use the lower rate on light textured soils. DO NOT use on deep white sands. DO NOT use broadleaf weed herbicides or add crop oils or wetting agents. DO NOT use on medics, or red or white clover. DO NOT overlap when spraying, otherwise damage may be observed.
Leeks	ALL STATES	Annual Ryegrass, Annual Thistles, Barley Grass, Bindy-eye, Brome Grass, Capeweed, Chickweed, Common Sowthistle, Creeping Oxalis, Fat Hen, Geranium, Ivy-leaf Speedwell, Nettles, Potato Weed, Powell's Amaranth, Redroot Amaranth, Redshank, Shepherds Purse, Slim Amaranth, Turnips, Wild Mustard, Wild Oats, Winter Grass, Wireweed Suppression of Soursob	1.2kg/ha		Apply immediately (within 2 days) after transplanting. Apply maximum one (1) foliar spray using calibrated boom spray or similar equipment. Use suitable water volume to achieve good, even coverage. The sensitivity of some species and varieties of the crop has not been fully evaluated. Treat only a small number of plants to ascertain their reaction before treating the whole crop.
ORNAMENTALS					
CROP SITUATION	**STATES**	**WEEDS**	**RATE**		**CRITICAL COMMENTS**
			Light Soils	**Heavy Soils**	
Nursery stock (non-food) – seedlings, plugs, potted colour, trees, shrubs, foliage plants, palms, grasses, fruit trees (non-bearing) Cut flowers including wildflowers and foliage Wildflowers – Refer to wildflower crops list	ALL STATES	Annual broadleaf and grass weeds REFER TO WEED TABLE	0.8-1.1kg/ha	1.3-2.2kg/ha	Apply to new beds prior to planting, or as a directed, inter-row spray treatment within established wildflower crops. Avoid overspray or incidental spray drift onto crop, as damage or death of plants may occur. Apply one pre-emergent (of weeds) application only using suitable ground application equipment. Ensure equipment is correctly calibrated. Apply to bare soil with rainfall or irrigation to closely follow to achieve most effective control. Use lower rates of simazine product when short residual control is required. Increase the rate when longer residual control is required. The sensitivity of some species and varieties of nursery stock, cut flowers and foliage and wildflowers has not been fully evaluated. It is advisable to only treat target weeds in close proximity to a small number of plants and closely monitor plant health. Discontinue applications when any adverse symptoms post-treatment are observed.
Gladioli		REFER TO WEED TABLE	1.2kg/ha	1.2kg/ha	Apply to bare, moist soil after planting. May cause damage on sandy soils low in organic matter.
Roses			1.2kg/ha	1.2kg/ha	Plants should be at least 1 year old. Apply to bare, moist soil.
Nurseries and propagating beds			1.2kg/ha	1.2kg/ha	Use only on non-susceptible plants listed in the table.

TITAN AG CROP PROTECTION

NON-CROP USES					
CROP SITUATION	**STATES**	**WEEDS**	**RATE**		**CRITICAL COMMENTS**
			Light Soils	**Heavy Soils**	
Non-crop uses, Commercial, Industrial, Rights of Way, Public Utility areas, Road shoulders, Drains, Headlands, Driveways, Railway tracks, Aerodromes, Gutters, Footpaths	ALL STATES	REFER TO WEED TABLE	5kg/ha OR 500g/100L	5kg/ha OR 500g/100L	Provides seasonal control of annual weed germinations. Apply to bare moist ground.
			10kg/ha OR 1kg/100L	24kg/ha OR 2.4kg/100L	Provides long residual control in winter rainfall areas. Apply to bare moist ground.
			24kg/ha OR 2.4kg/100L	48kg/ha OR 4.8kg/100L	Provides long residual control in summer rainfall areas. Apply to bare moist ground. Read remarks under Crop Safety.
CROP SITUATION	**STATES**	**WEEDS**	**RATE**		**CRITICAL COMMENTS**
Dams, tanks and troughs	WA only	Filamentous blue green algae	2g/1000L water		Apply when algae development is first noticed. Mix with a suitable amount of water and spray over the surface of the affected area.
FORESTRY					
SITUATION	**STATES**	**WEEDS**	**RATE**		**CRITICAL COMMENTS**
Forestry Including farm tree plantations Pinus, Araucaria, Corymbia and Eucalyptus tree plantings pre and post-planting [see General Instructions for further information on tree species]	ALL STATES	Pre-emergence control of many annual and some perennial grasses and broadleaved weeds including those listed in the WEED TABLE	1.6-6.7kg/ha		TITAN Simazine 900 WG Herbicide may be applied prior to or after planting. For most situations use 5.0-5.5kg/ha. On gravelly coarse textured soils use 2.8-4.0kg/ha. In WA & SA in medium rainfall zones [400-600mm] use 3.0-4.0kg/ha and for sandy low organic soils use 1.6-3.0kg/ha. On sandy soils allow two weeks and at least 50mm of rain between spraying and planting. Use a maximum rate of 1.6kg/ha for overspraying eucalyptus plantations on sandy, low organic matter soils in WA & SA. For short term weed control or when applied with other pre-emergent herbicides use half rates according to the situation. Apply to bare ground. Best results will be achieved if applied to moist, finely tilled soil. If weeds are present add a knockdown or other partner herbicide as a tank mix. If spraying after planting check tree tolerance to knockdown or other partner herbicide before using. Application in a band 1.5-2.0m wide, over the planting row is recommended although broadcast application can also be used. Rates above refer to sprayed hectares and not field hectares. Some tree damage may occur, especially with post-plant application. Recovery is normally rapid. Directed application is preferred for post-planting application especially when the higher rates are used.

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

Knapsack applications: 3kg TITAN Simazine 900 WG Herbicide/ha is equivalent to 60g TITAN Simazine 900 WG Herbicide per 15L knapsack of water over 200m^2.

Power sprayer: 3kg TITAN Simazine 900 WG Herbicide/ha is equivalent to 610g Titan Simazine 900 WG Herbicide per 200L drum of water over 2000m^2.

WITHHOLDING PERIODS:

Harvest – ALL CROPS: NOT REQUIRED WHEN USED AS DIRECTED.

OIL TEA TREE: PRE-PLANT OR POST-HARVEST USE WITH METOLACHLOR: DO NOT GRAZE TREATED AREAS OR CUT TREATED AREA FOR STOCKFEED.

Grazing:

OIL TEA TREE: DO NOT GRAZE TREATED AREAS OR CUT FOR STOCK FOOD FOR 8 WEEKS AFTER APPLICATION.

CANOLA: DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 15 WEEKS AFTER APPLICATION.

CHICKPEAS: DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 9 WEEKS AFTER APPLICATION.

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

SUB CLOVER: DO NOT GRAZE FOR 14 DAYS AFTER APPLICATION. DO NOT CUT FOR STOCK FOOD FOR 21 DAYS AFTER APPLICATION.

WILDFLOWERS: DO NOT ALLOW LIVESTOCK TO GRAZE SIMAZINE TREATED WEEDS.

TITAN AG CROP PROTECTION

WEED TABLE – Weeds controlled in ALL STATES	
Amaranths	*Amaranthus* spp.
Poa (Winter Grass)	*Poa annua*
Barley Grass - Annual	*Hordeum* spp.
Barnyard Grass	*Echinochloa* spp.
Bindii	*Calotis hispidula* ^
Brome Grass	*Bromus* spp.
Capeweed	*Arctotheca calendula*
Chickweed	*Stellaria media*
Common Sowthistle	*Sonchus oleraceus*
Corn Gromwell (Iron/Sheepweed)	*Buglossoides arvense*
Creeping Oxalis	*Oxalis corniculata*
Fat Hen	*Chenopodium album*
Fumitories	*Fumaria* spp.
Geranium	*Geranium* spp.
Ivy-leaf Speedwell	*Veronica hederifolia*
Mustards	*Sisymbrium* spp.
Native Geranium	*Geranium solanderi*
Nettles	*Urtica* spp.
Potato Weed	*Galinsoga parviflora*
Powell's Amaranth	*Amaranthus powellii*
Red Root Amaranth	*Amaranthus retroflexus*
Red Shank	*Amaranthus cruentus*
Shepherds Purse	*Capsella bursa-pastoris*
Summer Grass	*Digitaria* spp.
Thistles - Annual	*Carduus* spp., *Carthamus* spp., *Centaurea* spp., *Onopordum* spp.
- Soldier	*Picnomon acarna*
- Variegated	*Silybum marianum*
Turnips	*Brassica* spp.
Turnip Weed	*Rapistrum rugosum*
Wild Mustard	*Sisymbrium* spp.
^Wild Radish	*Raphanus raphanistrum*
^Wild Turnip	*Brassica tournefortii*
^Wimmera (Annual) Ryegrass	*Lolium rigidum*
Yellow Wood Sorrel	*Oxalis cornicalata*
^ See WA supression table only below	
Weeds supressed at higher rates	
Soursob	*Oxalis pes-caprae*
Wild Oats	*Avena* spp.
Weeds supressed only in WA	
Annual Ryegrass	*Lolium rigidum*
Brome Grass	*Bromus* spp.
Dock	*Rumex* spp.
Doublegee	*Emex australis*
Radish	*Raphanus raphanistrum*
Sorrel	*Rumex acetosella*
Soursob	*Oxalis pes-caprae*
Wild Turnip	*Brassica tournefortii*
Wireweed	*Polygonum aviculare*

WILDFLOWER CROPS LIST	
Banksia species	*Banksia* spp. - cultivars and hybrids
Berzelia or Button Brush	*Berzelia* spp.
Black Kangaroo Paw species	*Macropidia* spp. - cultivars and hybrids
Christmas Bells	*Blandfordia grandiflora*
Christmas Bush	*Ceratopetalum gummiferum*
Geraldton Wax, Waxflower species	*Chamelaucium* spp. - cultivars and hybrids
Kangaroo Paw species	*Anigozanthos* spp. - cultivars and hybrids
Leucadendron species	- cultivars and hybrids
Leucospermum species	*Leucospermum* spp. - cultivars and hybrids (pincushions)
Protea species	*Protea* spp. - cultivars and hybrids
Riceflower	*Ozothamnus diosmifolius*
Waratah species	*Telopea speciosissima* - cultivars and hybrids

TITAN AG CROP PROTECTION

GENERAL INSTRUCTIONS

TITAN Simazine 900 WG Herbicide is a pre-emergent herbicide which selectively kills plants and seedlings by absorption through the root system. Very little, if any, foliage absorption takes place. It works best when applied to bare, moist soil. If vegetation is present at spraying then a knockdown herbicide should be added.

TITAN Simazine 900 WG Herbicide is very insoluble in water and so usually remains in the top 5cm of the soil. It is inactivated by absorption onto charcoal or other carbonaceous materials, muck solid or soils high in organic matter – higher rates are therefore required in these types of soil.

***Araucaria, Corymbia, Eucalyptus* and *Pinus* plantations:** Field trials and use experience has indicated that the following species are tolerant. Test tolerance before treating other species.

Araucaria – all commercial species.
Corymbia – maculata.
Eucalyptus – agglomerata, calophylla, camaldulensis, cladocalyx, cloeziana, dunnii, globulus, grandis, laevopinea, nitens, pilularis, pseudoglobulus, regnans, rudis, saligna, wandoo.
Pinus – caribaea and hybrids, elliottii, pinaster, radiata.

INTEGRATED WEED MANAGEMENT STRATEGY FOR TT CANOLA

The use of this product in TTcanola is subject to an Integrated Weed Management Strategy for the use of triazine herbicides in TT canola. The Strategy encompasses:

- Integrated Weed Management;
- The specific management of crop plant volunteers and outcrossing to other plants; and
- Triazine herbicide residue management (agronomic and environment). Compliance with registered label directions and adoption of the principles outlined in the Strategy will assist with implementation of crop management practices that minimise the development of herbicide resistance in treated weeds; reduce the levels of triazine residues in the environment; and manage volunteer plants and outcrossing.

Copies of the Strategy are available from a TITAN AG representative or by contacting (02) 9999 6655. It is advised that consultation be undertaken with an appropriate agronomist, consultant or Departmental adviser prior to the use of TITAN Simazine 900 WG Herbicide 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 TITAN Simazine 900 WG or TITAN Atrazine 900 plus trifluralin pre-emergence. A follow-up with a Group A herbicide (if ryegrass is susceptible) or TITAN Atrazine 900 may be necessary.
- **Broadleaf Weeds only:** Use Titan Atrazine 900 WG post-emergence.
- DO NOT use TITAN Atrazine 900 WG or TITAN Simazine 900 WG 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 C herbicide use.
- DO NOT use Group C herbicides in consecutive years.

To avoid Triazine carry-over:

On acid soils (pH less than 6.5) – The maximum rate of TITAN Atrazine 900 WG or TITAN Simazine 900 WG or a combination of the two products to be applied to the crop during the growing season is 2.2kg/ha.

On alkaline soils (pH greater than 6.5) – The maximum rate of TITAN Atrazine 900 WG or TITAN Simazine 900 WG or a combination of the two products to be applied to the crop during the growing season is 1.1kg/ha.

Post-emergence use: It is recommended that TITAN Atrazine 900 only be used, and at rates of 1.1L/ha or less, on both acid or alkaline soils.

MIXING

This product mixes readily with water. No pre-mixing is required. Add the required quantity to the spray vat which should be 50-75% full. Re-seal part used container immediately. The agitation system should be running during addition of the product and during the spraying operation. If left to settle, stir/agitate thoroughly before spraying.

Method of application

TITAN Simazine 900 WG Herbicide must be applied in a minimum of 50L/ha (WA only); 100L/ha (SA, VIC, QLD, NSW); 200L/ha (TAS only). Higher volumes of water are desirable as this usually increases the evenness and accuracy of application. It is most important not to exceed the rates recommended when using hand-held high volume sprayers.

To ensure that this does not happen the following procedure should be adopted before spraying the chemical:

a) Fill spray tank or vat with water and mark the water level.
b) Spray 100m^2 in a manner similar to the method to be used.
c) Fill the spray tank up to the mark measuring the amount of water to do this, for example, say 20L. Then multiply this amount of water by 100 to give the volume of water, ie. 2000L used per sprayed hectare. The recommended rate of TITAN Simazine 900 WG Herbicide per hectare is then added to each 2000L of water.
d) At the end of the Directions for Use table rates are given as a guide to the amounts usually applied by knapsack and power sprayers. These should only be used when calibration is not feasible.

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.

Incorporation (Pre-plant and at Sowing application)

This product acts mainly by root absorption. Its effectiveness depends on the occurrence of rainfall or irrigation to move it down into the weed root zone. Sufficient rain or irrigation to thoroughly wet the soil through the weed root zone should occur or be made immediately after application to provide appropriate weed control. Delay in activation of the product may result in some weed growth.
In flood or furrow irrigation situations complete and continued activation of the product may not occur due to a thin band of dry soil on the surface during or after irrigation.
Mechanical incorporation after application, using light harrows to incorporate the product into the soil not more than 4cm deep is required to ensure the irrigation water activates the product. Always apply the product to an even unridged seedbed.

Timing of spray

Apply to tolerant established plants as given in directions for use table after the soil has been freshly cultivated or chipped and while it is still bare and preferably when the soil surface is moist. For newly planted crops such as gladioli, apply after planting when the soil is freshly cultivated and moist.

Activation

On horticultural crops, if sufficient rain to thoroughly wet the soil through the weed zone has not fallen within 14 days of application, water in with the equivalent of 10mm of rain. If applied under dry conditions and irrigation is not available, mechanical incorporation to a depth of not more than 4cm within 7 days of sowing may assist results.

COMPATIBILITY

TITAN Simazine 900 WG Herbicide is compatible with the following products at the recommended label rates and dilutions: Fusion, Fusilade, TITAN Paraquat 250 Herbicide, TITAN Diquat 200 Herbicide, Revolver, TITAN Glyphosate 450 Herbicide, TITAN Diuron 900 WG Herbicide, TITAN Trifluralin 480 Selective Herbicide, TITAN Carfentrazone 400 Herbicide.
Always add the TITAN Simazine 900 WG Herbicide to the tank first as per the mixing instructions and ensure that it has completely dispersed before adding the other product.

RESISTANT WEEDS WARNING

GROUP **5** HERBICIDE

TITAN Simazine 900 WG Herbicide is a member of the triazines group of herbicides. TITAN Simazine 900 WG Herbicide has the inhibitor of photosynthesis at photosystem II mode of action. For weed resistance management TITAN Simazine 900 WG Herbicide is a Group 5 herbicide. Some naturally occurring weed biotypes resistant to TITAN Simazine 900 WG 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 Simazine 900 WG Herbicide or other Group 5 herbicides.
Since the occurrence of resistant weeds is difficult to detect prior to use, TITAN AG Pty Ltd accepts no liability for any losses that may result from the failure of TITAN Simazine 900 WG Herbicide to control resistant weeds.

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.

TITAN AG CROP PROTECTION

PRECAUTION

Re-Entry Period: DO NOT enter treated area without protective clothing until spray has dried.

Almonds, walnuts, hazelnuts, nursery stock, cut flowers and foliage: DO NOT expose foliage or fruit to spray during treatment application. Use suitable nozzle type and shields around nozzles to target spray and minimise drift.

PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

DO NOT apply under weather conditions, or from spraying equipment, that may cause spray to drift onto nearby susceptible plants/crops, cropping lands or pastures. When spraying for total weed control, care should be taken not to spray beds where desirable annual plants are to be grown. Crops such as red beet, lettuce, cabbage, tomato, cucumber and carrots are particularly sensitive to simazine residues. Use with caution on plants with roots in the top 8cm of soil. DO NOT make more than two applications in any one year in hazelnuts and walnuts.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

DO NOT apply this product within 60m of natural or impounded lakes or dams. DO NOT use in channels or drains where roots of desirable plants may extend. Wash sprayer thoroughly with clean water after use. DO NOT contaminate streams, rivers or waterways with the chemical or used containers.
This product is very highly toxic to algae and aquatic macrophytes.

STORAGE AND DISPOSAL

KEEP OUT OF REACH OF CHILDREN. Store in the closed, original container in a dry, cool, well-ventilated area out of direct sunlight. Shake and empty contents into spray tank. DO NOT dispose of undiluted chemicals on-site. 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.

SAFETY DIRECTIONS

May irritate eyes and skin. Avoid contact with eyes and skin. DO NOT inhale dust or spray mist. Wash hands after use.

FIRST AID

First aid is generally not required. If in doubt contact a Poisons Information Centre (Phone Australia 131126; New Zealand 0800 764 7660) or a doctor.

SAFETY DATA SHEET

Additional information is listed in the safety data sheet (SDS). A safety data sheet for TITAN Simazine 900 WG 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 abelling of Chemicals (GHS) and Safe Work Australia: Harmful if swallowed. Causes 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 dust/fume. Wear protective gloves and protective clothing. 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. IF exposed or concerned: Get medical advice/ attention. 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 eye irritation persists: Get medical advice/attention. Collect spillage. 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.

