

DIRECTIONS FOR USE

SITUATION &	WEEDS CONTROLLED	STATE	RATE/ha		CRITICAL COMMENTS
CROP			Light soil	Heavy soil	
Almonds	Amaranthus, Annual Ryegrass, Annual Thistles, Barley Grass, Bindy-eye, Capeweed, Chickweed, Common Sowthistle, Corn Gromwell (Sheepweed), Creeping Oxalis, Doublegee, Fat Hen, Fumitory, Ivy-Leaf Speedwell, Mustard, Native Geranium, Nettles, Potato Weed, Red Shank, Shepherd's Purse,	SA only	1 kg or 60 g/100L	2 kg or 120 g/100L	Use only if trees are at least 3 years old. Apply to bare moist soil immediately after cultivation and before weeds emerge.
Asparagus		All States	1.3 kg	2.5 kg	Apply to bare moist soil after last cultivation and before spear emergence.
Berry Fruits,					DO NOT apply to foliage or when fruit is present. Use on established plants only.
Citrus					Use only if trees are at least one year old.
Gladioll					Apply to bare moist soil after planting. High rates may cause crop damage on sandy soils low in organic matter.
Grapevines	Turnip, Winter Grass, Wireweed	Qld only	2 kg	4 kg	Use only if vines are at least 2 years old.
	(not Qld, Tas). Suppression of: Brome Grass, Soursob, Wild Oats	NSW, Vic, SA, WA, Tas only	1.25kg or 60g/100L	2.5 kg/ha or 120 g/100L	Use only if vines are at least 12 months old. In the first year of use, split applications are preferred.
Hops		All States	1.3 kg	2.5 kg	Apply to moist weed-free soil in late Winter, early Spring before hop emergence
Canola (Triazine tolerant varieties only) Pre-emergence or post sowing Pre-emergence only	Mustards, Turnips, Paterson's Curse, Shepherds Purse, Silver Grass (Vulpia). Suppression of: Annual Ryegrass, Barley Grass, Brome Grass, Wild Oats and Wild Radish	All States	1.1 kg	2.2 kg	Important: This use is subject to adherence to the Integrated Weed Management Strategy for 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 5 cm.
Chickpeas	Deadnettle, Indian Hedge Mustard, Lesser Swinecress, Milk Thistle, Prickly Lettuce, Purple Goosefoot, Shepherd's Purse, Turnip Weed, Wireweed and suppression of Black Bindweed and Paradoxa Grass.	Qld, NSW, SA only	SA 800 g + 1.5 L prometryn (500 g/L)		Apply immediately post-planting. Application should not be made to ridged or excessively cloddy soil. For reliable results significant rain (20 to 30mm) is necessary within 2 to 3 weeks of sowing.

SITUATION & CROP (cont)	WEEDS CONTROLLED	STATE	RATE	/ha Heavy soil	CRITICAL COMMENTS
Chickpeas	Capeweed, Clover, Dock, Doublegee, Mustard, Radish, Self Sown Cereals, Silver Grass, Turnip Weed and suppression of Barley Grass, Ryegrass and Wild Oats.	WA only	550 g	1.1 kg	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 though the weed root zone (20 to 30 mm) is necessary within 2 to 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
Faba Beans	Annual Ryegrass, Barley Grass, Brome Grass, Capeweed, Corn Gromwell (Sheep Weed),	NSW, ACT, Vic, SA, WA only	1.1 kg	1.4 kg	operation should not be greater than 5 cm. Use 550 – 775 g on lighter soils and in the Northern Agricultural areas, and up to 1.1 kg on heavier soil types. DO NOT use on whitish or grey sands. Apply either pre-seeding or immediately post-sowing which is preferred on light soils. Sow the crop at least 5 cm deep. Use the lowest rate on light soils. Application should not be made
	Deadnettle, Fumitories, Geranium, lyy-Leaf Speedwell, Medics, Mustards,		560 g	830 g	to ridged or excessively cloddy soil. For fully reliable results significant (20 to 30 mm) is necessary within 2 to 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. Apply to bare moist soil and incorporate to a depth of 5 cm just
	Soursob, Volunteer Canola, Wireweed and suppression of Wild Oats.		plus 800 mL of Trifluralin 480 Selective Herbicide		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 to 30 mm) is necessary within 2 to 3 weeks of application.
Lupins	Amaranthus, Annual Ryegrass, Annual Thistles, Barley Grass, bindy-eye Capeweed, Chickweed, Common Sowthistle, Corn Gromwell (Sheep Weed),	Qld, NSW, Vic, SA, Tas only	1.3 kg	2.2 kg	Apply within 2 days of sowing. Seedbed should be moist and free of weeds, large clods and ridges. Apply higher rate for suppression of Wild Oats and Soursob. Use the lower rates (NSW, SA, Vic only) in combination with 800 mL of Trifluralin 480 Selective Herbicide
	Creeping Öxalis, Doublegee, Fat hen, Fumitory, Ivy-Leaf Speedwell, Mustard, Native Geraniums, Nettles, Potato Weed, Red Shank, Shepherd's Purse, Turnips, Winter Grass, Wireweed (Not Qld, Tas). Suppression of, Brome Grass, Soursob and Wild Oats.	NSW, Vic, SA only	plus 1.25 L of Trifluralin 480 Selective Herbicide		Apply anytime from 4 weeks before sowing until just before sowing. Apply as a tank mixture to a moist bare level soil and incorporate to a depth of 50mm prior to sowing. Incorporation must be within 4 hours of spraying especially under warm conditions. More effective than SIMAZINE on its own in dry conditions and where grass pressures are high. Use 830g/ha SIMAZINE on poorer light sands. 1.1kg/ha on sandy loams and on all other soil types. Increase the rate to 1.3kg/ha where Brome Grass is the major problem.
		WA only	550g	1.1 kg	DO NOT exceed 500g/ha on Lupin Variety Ultra. Apply immediately before seeding or within 6 days after sowing. Seed bed should be moist and free of weeds, large clods and ridges. Use 550g to 800g/ha on yellow sands, 1.1kg/ha on other soil types.
			Selective Herbicide		Note: Not for use on white or grey sands. Apply to bare moist soil just before sowing. Incorporate to a depth of 4-5cm within 4 hours of spraying. Soil should be free of large clods or ridges. Choose SIMAZINE rate according to comments in panel above. Note: Not for use on white or grey sands
Lupins Where weeds are present at time of sowing	(As above)	WA only	550 g 800 g Plus recommended rate of other knockdown herbicide.		Apply 1-6 days before direct drilling the crop. Use the higher rate of SIMAZINE on weeds up to two weeks old and the lower rate of SIMAZINE with a high rate of knockdown herbicide on weeds more than 2 weeks old. DO NOT exceed 500g/ha on Lupin Variety Ultra. Note: Not for use on white or grey sands.
Pome fruit, Apples, pears		Qld only	3 kg OR 90 g/100L water	4 kg OR 120 g/100L water	Use only if trees are at least 2 years old. Apply to bare moist soil. Use only if trees are at least 2 years old. Apply to bare moist soil.
		NSW, Vic, Tas, SA, WA only	1.8 kg/ha OR 90 g/100L water	120 g/100L water	
Roses	Amaranthus, Annual Ryegrass, Annual Thistles, Barley Grass, Bindy-eye, Capeweed, Chickweed, Common Sowthistle,	NSW, Vic, Tas, SA, WA Only	1.3kg OR 60g/100L water	2.5kg OR 120g/100L water	Apply to bare moist soil. DO NOT use on plants less than 1 year old.
Strawberries	Corn Gromwell (Sheepweed), Creeping Oxalis, Doublegee, Fat Hen, Fumitory, Ivy-Leaf, Speedwell, Mustard, Native Geranium, Nettles, Potato Weed, Red shank, Shepherd's Purse, Turnip, Winter Grass, Wireweed (not Qld, Tas) Suppression of Brome Grass, Soursob, Wild Oats	All States	1.2 kg	1.2 kg	Apply between polythene covered beds. DO NOT use on white or grey sands in WA.

CROP	WEEDS CONTROLLED	STATE	RATE/ha	CRITICAL COMMENTS
Sub Clover established Lucerne and perennial grass	Vulpia (Silver grass), Rat's-tail Fescue, Squirrel-tail Fescue, Sand Fescue	NSW, Vic, SA only	550g to 900g	Apply at 6 to 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.
pastures				DO NOT apply to sandy soils and use the lower rates on light textured soils. Apply under moist soils conditions; rain following application enhances results. DO NOT apply to stressed plants. Insect infestations should be controlled and Sub Clover allowed to recover before Apparent Simazine 900 WG Herbicide is applied.
				DO NOT use herbicides for broadleaved weed control within 3 weeks of application.
		NSW, Vic only	550 to 800g plus 100 to 160 mL of Paraquat 250 Herbicide	Apply at 6 to 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 (250 g/L) improves the control of well-established
		SA only	400 to 550g plus 100 to 160 mL of Paraquat 250 Herbicide	plants. Add a non-ionic surfactant at 0.2% v/v (200 mL per 100L). Under conditions of good soil moisture, control of grasses and some broadleaved 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 Apparent Simazine 900 WG Herbicide plus Paraquat 250 is applied. DO NOT use herbicides for broadleaved weed control within 3 weeks of application.
	Vulpia (Silver Grass), Rat's-tail Fescue	WA only	400 to 550g	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 Subterranean Clover present before spraying. Use the lower rate on light textured soils. DO NOT use with broadleaf weed herbicides within 3 weeks of using Apparent Simazine 900 WG Herbicide. DO NOT tank mix with other herbicides or add crop oils or wetting agents. DO NOT use on Medics, or Red or White Clover. DO NOT overlap when spraying, otherwise damaged may be observed.
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)	Pre-emergence control of many annual and some perennial grasses and broadleaved weeds including: Amaranthus, Annual (Wimmera), Ryegrass, Barley Grass, Barnyard Grass, Bindii, Brome Grass, Capeweed, Chickweed, Common Sowthistle, Corn Gromwell (Iron/Sheepweed), Creeping Oxalis, Fat Hen, Fumitories, Geranium, lvy-leaf Speedwell, Mustards, Native Geranium, Nettles, Potato Weed. Powell's Amaranth, Redroot, Amaranth, Redshank, Shepherd's Purse, Summer Grass, Thistles (Annual, Soldier, Variegated), Turnips, Wild Radish, Yellow Wood Sorrel Weeds suppressed at higher rates: Soursob, Wild Oats Weeds suppressed only in WA. Annual Ryegrass, Brome Grass, Dock, Doublegee, Radish, Sorrel, Soursob, Wild Turnip, Wireweed.	All States	1.6 to 6.7 kg/ha	Apparent Simazine 900 WG Herbicide may be applied prior to or after planting. For most situations use 5.0 to 5.5kg/ha. On gravelly coarse textured soils use 2.8 to 4.0kg/ha. In WA and SA in medium rainfall zones (400-600 mm) use 3.0 to 4.0kg/ha and for sandy low organic soils use 1.6 to 3.0kg/ha. On sandy soils allow 2 weeks and at least 50 mm 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, fine 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 to 2.0 m wide, over the plating 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.

STATE RATE/ha CRITICAL COMMENTS

SITUATION & CROP	WEEDS CONTROLLED	STATE	RATE/ha		CRITICAL COMMENTS
			Light Soil	Heavy Soil	
Non-crops uses, Commercial,	As above and including Barnyard Grass and	All States	5 kg or 500 g/100L	5 kg or 500 g/100L	Provides seasonal control of annual weed germinations. Apply to bare moist ground.
Industrial, Rights of Way, Public	Summer Grass		10 kg or 1 kg/100L	24 kg or 2.4 kg/100L	Provides long residual control in Winter rainfall areas. Apply to bare moist ground.
Utility areas, Road shoulders, Drains, Headlands, Driveways, Railway tracks, Aerodromes, Gutters, Footpaths			24 kg or 2.4 kg/100L	48 kg or 4.8 kg/100L	Provides long residual control in Summer rainfall areas. Apply to bare moist ground. Read remarks under Crop Safety.
Dams, Tanks, Troughs	Filamentous blue green algae	WA only	2 g/100L water		Mix in a convenient amount of water and apply when algae development if first noticed.

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

Harvest

NOT REQUIRED WHEN USED AS DIRECTED

All Crops: Grazing Canola:

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

Sub Clover: DO NOT GRAZE FOR 14 DAYS AFTER APPLICATION

WEEDS CONTROLLED

DO NOT CUT FOR STOCK FOOD FOR 21 DAYS 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

GENERAL INSTRUCTIONS

Apparent Simazine 900 WG Herbicide is a pre-emergent herbicide, which is most effective when applied to bare, moist soil. Because it acts mainly through the roots of weeds, best results are obtained when rain or irrigation water move the herbicide down to the root zone within 2 weeks of application. The duration and effectiveness of control depends on the amount applied, the type of soil, intensity of leaching and the species of weeds present.

RESISTANT WEEDS WARNING

GROUP C HERBICIDE

Apparent Simazine 900 WG Herbicide is a member of the triazine group of herbicides. This product has the inhibitor of photosynthesis at photosystem II mode of action. For weed resistance management this product is a Group C Herbicide. Some naturally occurring weed biotypes resistant to this product and other Group C herbicides may exist though 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 C herbicides. Since the occurrence of resistant weeds is difficult to detect prior to use, Apparent Pty Ltd accepts no liability for any losses hat may result from the failure of this product to control resistant weeds.

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 cooperation 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 Apparent Pty Ltd 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 of IWM be undertaken with an accredited agronomist prior to use of SIMAZINE 900 WG on TT Canola.

To minimise herbicide resistance:

- Avoid dry sowing in heavily weed-infested paddocks. Wait for 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 900 g/kg or atrazine 900 g/kg plus trifluralin* pre-emergence. A follow-up with a Group A Herbicide (if ryegrass is susceptible) or atrazine 900 g/kg may be necessary.

Broadleaf Weeds Only: Use atrazine 900 g/kg post-emergence.

- DO NOT use atrazine 900 g/kg or simazine 900 g/kg 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 *atrazine 900 g/kg or simazine 900 g/kg* or a combination of the two products to be applied to the crop during the growing season is **2.2 kg ai/ha**.

On alkaline soils (pH greater than 6.5): The maximum rate of *atrazine 900 g/kg or simazine 900 g/kg* or a combination of the two products to be applied to the crop during the growing season is **1.1 kg ai/ha**.

Post-emergence use: It is recommended that *atrazine 900 g/kg* only be used, and at rates of **1.1 kg ai/ha or less**, on both acid or alkaline soils.

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.

MIXING

Half fill tank with clean water. Commence vigorous agitation. Add granules steadily. DO NOT dump. Ensure complete dispersion before filling to volume with water. Continue agitation during spraying. DO NOT leave spray solution in tank overnight.

APPLICATION

Use a boom sprayer or knapsack for small areas. 50-200L of mixture per hectare should be applied with the boom and a minimum equivalent to 500L per hectare through the knapsack sprayer. Clean spray equipment immediately after use using several flushings of water with detergent.

TT Canola: Application

DO NOT apply to TT-Canola by aircraft. Apply only with a low boom sprayer with a 60 m buffer zone downwind of treated fields to natural or impounded lakes or dams, and a 20 m 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.

COMPATIBILITY

This product may be mixed with amitrole, atrazine, diuron, glyphosate, diquat, paraquat and paraquat-diquat mixtures. Because the products may vary from time to time, a small scale compatibility test should be carried out before mixing in the spray tank. For residual control of annual weeds in non-crop areas, pome and citrus orchards and vineyards only, mixtures of the product and glyphosate may be used. Half fill the spray tank with clean water before adding this product at the recommended rate and mix thoroughly. Then add a 360g/L glyphosate product at 3L/ha or 700mL/100L and the remaining water. Maintain adequate agitation and use the mixture promptly. DO NOT use lower rates of glyphosate (360g/L) where control of perennial weeds is desired.

PRECAUTION

Re-entry period: DO NOT enter treated areas without protective clothing until spray has dried.

PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

DO NOT spray foliage of desirable plants, except lupins (WA only). DO NOT use under peach, apricot, plum trees, ornamental, prunus or near newly planted shrubs. DO NOT plant crops other than those recommended for at least nine months following treatments at rates up to 2.5kg/ha. At higher rates planting may not be possible for very long periods afterwards. DO NOT use on sandy or porous soils near desirable plants or trees or where roots of such may extend or are near the surface. Crops of such as red beet, lettuce, cabbage, tomato, cucumber and carrots are particularly sensitive to simazine residues. DO NOT exceed highest rate recommended for any particular crop. DO NOT use on white or grey sands (WA only). DO NOT use in channels or drains where the roots of desirable plants may extend. 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.

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

Araucaria - all commercial species. **Corymbia** — *maculate*. **Eucalyptus** - agglomerate, calophylla, camaldulensis, cladocalyx, cloeziana, dunnii, globulus, grandis, laevopinea, nitens, pilularis, pseudoglobulus, regnans, rudis, saligna, wandoo. **Pinus** - caribaea and hybrids, elliottii, pinaster, radiata.

SOIL MOISTUR

If sufficient rain to thoroughly wet the soil through the weed root zone has not fallen within 14 days of application water in with the equivalent of 13mm 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.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

DO NOT contaminate dams, rivers or streams with pesticide or used containers. DO NOT use the container for any other purpose. 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, well-ventilated area out of direct sunlight. Shake empty bag into spray tank. Add rinsings to spray tank. Do not dispose of undiluted chemicals onsite. Puncture or shred container and deliver empty packaging for appropriate disposal to an approved waste management facility. Empty containers and products not be burnt.

SAFETY DIRECTIONS

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

FIRST AID

If poisoning occurs, contact a doctor or Poison's Information Centre. Phone Australia 13 11 26.

MATERIAL SAFETY DATA SHEET

Additional Information is listed in the Material Safety Data Sheet, which can be obtained from the supplier.

CONDITIONS OF SALE

The use of this product is beyond the control of Apparent Pty Ltd. No warranty is expressed or implied regarding the suitability or efficiency for any purpose for which it is used by the buyer. Apparent Pty Ltd accepts no responsibility for any consequences resulting from the use of this product. Apparent Pty Ltd will not be held liable for any loss, injury or damage arising from the sale, supply or use of this product, whether through negligence or otherwise. No responsibility will be accepted for any consequences whatsoever resulting from the use of this product.