

# CAUTION

READ SAFETY DIRECTIONS BEFORE OPENING OR USING

## SANONDA HERBICIDE SIMAZINE 900WG

ACTIVE CONSTITUENT: 900 g/kg Simazine

**GROUP C HERBICIDE**

*For the control of weeds in chickpeas, lupins, TT-Canola, orchards, vineyards and certain other horticultural and non-crop situations as per the Directions for Use table.*

**IMPORTANT: READ THIS LEAFLET BEFORE  
OPENING OR USING**

APVMA Approval number: 66432/53620



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**DIRECTIONS FOR USE:**

| CROP/<br>SITUATION  | WEEDS<br>CONTROLLED  | STATE                      | RATE/ha                     |                             | CRITICAL COMMENTS  |
|---|--|----------------------------|-----------------------------|-----------------------------|--|
|   |  |                            | LIGHT<br>SOIL               | HEAVY<br>SOIL               |  |
| Almonds   | Amaranthus, Annual Ryegrass, Annual Thistles, Barley Grass, Bindy-eye, Capeweed,   | SA only                    | 1 kg or 60 g/100 L water    | 2 kg or 120 g/100 L water   | Use only if trees at least 3 years old. Apply to bare moist soil immediately after cultivation and before weeds emerge.  |
| Asparagus   | Chickweed, Common Sowthistle, Corn Gromwell (Sheepweed), Creeping Oxalis, Doublegee, Fat Hen, Fumitory, Ivy-Leaf Speedwell, Mustard, Native Geranium, Nettles, Potato Weed, Red  | 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.   |
| Gladioli  | Shank, Shepherd's Purse, Turnip, Winter Grass, Wireweed (not Old, Tas)   | All States                 | 1.2 kg or 60 g/100 L water  | 1.2 kg or 60 g/100 L water  | Apply to bare moist soil after planting. High rates may cause crop damage on sandy soils low in organic matter.  |
| Grapevines  | Suppression of: Brome Grass, Soursob   | Qld only                   | 1.25 kg OR 60 g/100 L water | 4 kg                        | Use only if vines are at least two years old.  |
|   |  | NSW, Vic, Tas, SA, WA only |                             | 2.5 kg OR 120 g/100 L water | Use only if vines are at least 12 months old. In 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)<br>Preemergence or postsowing preemergence 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 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 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 (20-30 mm) 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. |

| CROP/<br>SITUATION | WEEDS<br>CONTROLLED  | STATE                 | RATE/ha                                   |   | CRITICAL COMMENTS  |
|--------------------|--|-----------------------|---|---|--|
|                    |  |                       | LIGHT<br>SOIL                             | HEAVY<br>SOIL                             |  |
| 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     | 800 g + 1.5 L prometryne (500 g/L)        |   | 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.  |
|                    | 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-emergence treatment at or within 7 days of planting. Sufficient rainfall (20-30 mm) 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 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 5 cm. Use 0.55-0.775 kg 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. |
| Faba Beans         | Annual Ryegrass, Barley Grass, Brome Grass, Capeweed, Corn Gromwell (Sheepweed), Deadnettle, Fumitories, Geranium, Ivy-Leaf Speedwell, Medics, Mustards  | NSW, Vic, SA, WA only | 1.1 kg                                    | 1.4 kg                                    | Apply either pre-seeding or immediately post-sowing which is preferred on light soils. Sow the crop at least 5 cm deep. Application should not be made to ridged or excessively cloddy soil. For fully reliable results significant rainfall, 20-30 mm, is necessary within 2 to 3 weeks of sowing. DO NOT use rates higher than 2 litres per hectare on soils with pH 8.0 and above as unacceptable crop damage may occur.  |
|                    | Paradoxa Grass, Saffron Thistle, Soursob, Volunteer Canola, Wireweed and suppression of Wild Oats  |                       | 560g plus 800 mL of trifluralin (480 g/L) | 830g plus 800 mL of trifluralin (480 g/L) | 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 problems. Application should not be made to ridged or excessively cloddy soil. For fully reliable results significant rainfall, 20-30 mm, is necessary within 2 to 3 weeks of application.   |

| CROP/<br>SITUATION                               | WEEDS<br>CONTROLLED   | STATE                       | RATE/ha  |   | CRITICAL COMMENTS   |
|--|---|-----------------------------|--|---|---|
|  |   |                             | LIGHT SOIL   | HEAVY SOIL  |   |
| Lupins   | Amaranthus, Annual Ryegrass, Annual Thistles, Barley Grass, Bindy-eye, Capeweed, Chickweed, Common Sowthistle, CornGromwell 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 | Qld, NSW, Vic, Tas, SA 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 g/L).  |
|  |   | NSW, Vic, SA only           | 830 g plus 1.25 L of trifluralin (480 g/L)               | 1.3 kg plus 1.25 L of trifluralin (480 g/L)             | Apply any time 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 50 mm 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 830 g/ha SIMAZINE on poorer light sands, 1.1 kg/ha on sandy loams and on all other soil types. Increase the rate to 1.3 kg/ha where Brome Grass is the major problem |
|  |   | WA only                     | 550 g  | 1.1 kg  | DO NOT exceed 500 g/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 550 g to 800 g/ha on yellow sands, 1.1 kg/ha on other soil types. <b>Note:</b> Not for use on white or grey sands.   |
|  |   | WA only                     | 550 g plus 800 mL of trifluralin (480 g/L)               | 800 g plus 800 mL of trifluralin (480 g/L)              | Apply to bare moist soil just before sowing. Incorporate to a depth of 4-5 cm within 4 hours of spraying. Soil should be free of large clods or ridges. Choose SIMAZINE rate according to comments in panel above. <b>Note:</b> Not for use on white or grey sands  |
| Lupins where weeds are present at time of sowing |   | WA only                     | 550 g plus recommended rate of other knockdown herbicide | 800g 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 500 g/ha on Lupin Variety Ultra. <b>Note:</b> Not for use on white or grey sands.   |
| Roses  |   | NSW, Vic, Tas, SA, WA only  | 1.3 kg OR 60 g/100 L water                               | 2.5 kg OR 120 g/100L water                              | Apply to bare moist soil. DO NOT use on plants less than 1 year old.  |
| Strawberries                                     |   | All States                  | 1.2 kg   | 1.2 kg  | Apply between polythene covered beds. DO NOT use on white or grey sands in WA.  |

| CROP/SITUATION  | WEEDS CONTROLLED   | STATE             | RATE/ha  | CRITICAL COMMENTS   |
|---|--|-------------------|--|---|
| Sub Clover established lucerne and perennial grass pastures | Vulpia (Silvergrass), Rat's Tail Fescue, Squirrel-tail Fescue, Sand Fescue | NSW, VIC, SA only | 550 g to 900 g   | Apply 6 to 10 weeks after emergence of the pasture, but not before the 3rd trifoliolate 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 sandy 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 SIMAZINE 900 WG is applied. DO NOT use herbicides for broad-leaved weed control within 3 weeks of application.       |
|   |  | NSW, VIC only     | 550 g to 800 g plus 100 to 160 mL of paraquat (250 g/L)    | Apply to 6 to 10 weeks after emergence of the pasture, but not before the 3rd trifoliolate leaf stage of Sub Clover. Best results are obtained from application to young, well grazed, and actively growing plants.   |
|   |  | SA only           | 400 g to 800 g plus 100 mL to 160 mL of paraquat (250 g/L) | However, the addition of paraquat (250 g/L) improves the control of well established plants. Add a non-ionic surfactant at 0.2 % v/v (200 mL per 100 litre). Under conditions of good soil moisture, control of grasses and some broad-leaved 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 SIMAZINE 900 WG plus paraquat (250 g/L) is applied. DO NOT use herbicides for broad-leaved weed control within 3 weeks of application. |

**CONTINUED**

|  |   |         |           |  |
|--|---|---------|-----------|--|
|  | Vulpia (Silvergrass), Rat's Tail Fescue | WA only | 400-550 g | Apply within 8 weeks of emergence of Sub Clover and grasses. Under conditions of good soil moisture, control of other grasses and some broadleaved weeds may occur. Ensure that there is a good stand of Subterranean Clover present before applying. Use the lower rate on light textured soils. DO NOT use with broadleaf weed herbicides within 3 weeks of using SIMAZINE 900 WG. 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 damage may be observed. |
|--|---|---------|-----------|--|

| CROP/SITUATION  | WEEDS CONTROLLED                                    | STATE      | RATE/ha                            |                                    | CRITICAL COMMENTS  |
|---|---|------------|------------------------------------|------------------------------------|--|
|   |   |            | LIGHT SOIL                         | HEAVY SOIL                         |  |
| Non-crop uses, Commercial Industrial, Rights of Way, Public Utility areas, Road shoulders, Drains, Headlands, Driveways, Railway tracks, Aerodromes, Gutters, Footpaths | As above and including Barnyard Grass, Summer Grass | All States | 5 kg OR<br>500 g/100 L<br>water    | 5 kg OR<br>500 g /100<br>L water   | Provides season control of annual weed germinations. Apply to bare moist ground.   |
|   |   |            | 10 kg OR<br>1 kg/100 L<br>water    | 24 kg OR<br>2.4 kg/100 L<br>water  | Provides long residual control in Winter rainfall areas.<br>Apply to bare moist ground.  |
|   |   |            | 24 kg OR<br>2.4 kg /100 L<br>water | 48 kg OR<br>4.8 kg /100 L<br>water | Provides long residual control in Summer rainfall areas.<br>Apply to bare moist ground.<br>Read the remarks under Crop Safety. |
| Dams, Tanks, Troughs  | Filamentous Blue-Green Algae                        | WA only    | 2 g per 100 litres of water        |                                    | Mix in a convenient amount of water and apply when algae development 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:**

**All crops: not required when used as directed.**

**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. 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:**

Sanonda Herbicide Simazine 900 WG 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**



Sanonda Herbicide Simazine 900 WG Herbicide is a member of the Triazine group of herbicides. Simazine 900 WG has the inhibitor photosynthesis mode of action. For weed resistance management simazine 900WG is a Group C herbicide. Some naturally-occurring weed biotypes resistant to SIMAZINE 900 WG Herbicide and other Group C 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 SIMAZINE 900 WG Herbicide or other Group C herbicides. However resistance should not be assumed without first viewing the method of application, the coverage and the timing of application. Resistance to SIMAZINE 900 WG cannot be predicted and may occur at any time. It is not due to a fault in the product and Sanonda (Australia) Pty. Ltd. accepts no liability for any losses that may result from the failure of SIMAZINE 900 WG Herbicide 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 a Sanonda's 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 SIMAZINE 900 WG 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 900 WG or ATRAZINE 900 WG plus trifluralin pre-emergence. A follow-up with a Group A herbicide (if ryegrass is susceptible) or ATRAZINE 900 WG may be necessary.
  - Broadleaf Weeds only:** Use ATRAZINE 900 WG post-emergence.
- DO NOT use ATRAZINE 900 WG or 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 ATRAZINE 900 WG or SIMAZINE 900 WG or a combination of the two products to be applied to the crop during the growing season is 2 kg a.i./ha.

**On alkaline soils (pH greater than 6.5)** – The maximum rate of ATRAZINE 900 WG or SIMAZINE 900 WG or a combination of the two products to be applied to the crop during the growing season is 1 kg a.i./ha.

**Post-emergence use** – It is recommended that ATRAZINE 900 WG only be used, and at rates of 1 kg a.i./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 sprayer for small areas. 50-200 L of mixture per hectare should be applied with the boom, and a minimum equivalent to 500 L 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 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 this 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 360 g/L glyphosate product at 3 L/ha or 700 mL/100 L and the remaining water. Maintain adequate agitation and use the mixture promptly. DO NOT use lower rates of glyphosate (360 g/L) where control of perennial weeds is desired.

**PRECAUTION**

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

**SOIL MOISTURE**

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 13 mm of rain. If applied under dry conditions and irrigation is not available, mechanical incorporation to a depth of not more than 4 cm within 7 days of sowing may assist results.

### 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 (9) months following treatments at rates up to 2.5 kg/ha. At higher rates planting may not be possible for much longer 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 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, 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** – agglomerate, calophylla, camaldulensis, cladocalx, cloeziana, dunnii, globulus, grandis, laevopinea, nitens, pilularis, pseudoglobulus, regnans, rudis, saligna, wandoo.

**Pinus** – caribaea and hybrids, elliotii, pinaster, radiata.

### 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, cool, well-ventilated area out of direct sunlight. Shake empty bag into spray tank. DO NOT <?>dispose of undiluted chemicals onsite. Puncture or shred and bury empty containers at a local authority landfill. If no landfill is available, bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should 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 Poisons Information Centre. Phone Australia 131126.

**MSDS**

Additional information is listed in the material safety data sheet (MSDS). A material safety data sheet for SIMAZINE 900 WG is available from Sanonda on request.

**CONDITIONS OF SALE:**

Sanonda (Australia) Pty Ltd ('Sanonda') 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 Sanonda'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 Sanonda has any authority to add to or alter these conditions.



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