

# CAUTION

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

# GENFARM ATRAZINE 900 WG HERBICIDE

ACTIVE CONSTITUENT: 900 g/kg ATRAZINE

GROUP	<b>C</b>	HERBICIDE
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For the control of weeds and grasses in Sorghum, Maize, Sugar Cane, TT-Canola, Lucerne, Tea Tree and for fallow area maintenance and other situations as per the Directions for Use table.

**IMPORTANT: READ THE ATTACHED LEAFLET BEFORE USE**

**CONTENTS: 10 kg**

**Nutrien Ag Solutions Limited  
Level 5, Building A, 26 Talavera Road  
Macquarie Park, NSW 2113  
Tel: (02) 9889 5400  
Product Support Tel: 1800 44 88 92**

**STORAGE AND DISPOSAL****(10 kg box)**

Store in the closed, original container in a cool, well-ventilated area. Do not store for prolonged periods in 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 500 mm 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**

Avoid contact with eyes and skin. Do not inhale dust or spray mist. When preparing spray and using the prepared spray, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing), a washable hat, and elbow-length PVC gloves. If using a hand directed sprayer, wear in addition: waterproof trousers and boots. After use and before eating drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use wash gloves and contaminated clothing.

**FIRST AID**

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 13 11 26, New Zealand 0800 764 766.

**SAFETY DATA SHEET**

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

**CONDITIONS OF SALE**

The use of this product is beyond the control of Nutrien Ag Solutions Limited. Any provisions or rights under the Australian Consumer Law which cannot be excluded by law are not intended to be excluded by these conditions of sale. Subject to the foregoing, all warranties, conditions, rights and remedies expressed or implied under common law, statute or otherwise, in relation to the sale, supply, storage, use or application of this product are excluded. Nutrien Ag Solutions Limited does not accept any liability (including consequential loss and/or negligence) for any loss or damage connected with the sale, supply, storage, use or application of this product except for liability which cannot be excluded by statute.

Batch No:

DOM:

APVMA Approval No: 68292/123859

Nutrien Ag Solutions Limited

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IN A TRANSPORT EMERGENCY

**DIAL 000**

POLICE OR FIRE BRIGADE

FOR SPECIALIST ADVICE

**1800 033 111**

24 HOURS AUSTRALIA WIDE

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**IMPORTANT: READ THIS LEAFLET BEFORE USING THIS PRODUCT**

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**DIRECTIONS FOR USE****Restraints**

DO NOT use as a pre-emergence spray on light sandy soils

DO NOT use on weeds over 4 cm tall

DO NOT apply to waterlogged soil

DO NOT apply if heavy rains or storms that are likely to cause run off are forecast within 2 days of application

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

DO NOT use a pre-emergence application in sorghum, broom millet or saccaline during the wet season in the northern irrigation areas of WA

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

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

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

**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.

Crop/Situation	Weed	State	Rate/ha	Critical Comments
<b>Canola (Triazine Tolerant varieties only)</b> pre-emergence or post-sowing pre-emergence only	Capeweed, Charlock, Clover, Corn Gromwell, Doublegee, Fumitories, Geraniums, Ivy-leaf Speedwell, London Rocket, Mustards, Paterson's Curse, Shepherd's Purse, Silver Grass ( <i>Vulpia</i> spp), Turnips <b>Suppression</b> of Annual Ryegrass, Barley Grass, Brome Grass, Wild Oats, Wild Radish	All States	1.1 to 2.2 kg	<b>This use is subject to an Integrated Weed Management Strategy for the use of triazine herbicides in triazine tolerant (TT) canola</b> <b>See General Instructions: Integrated Weed Management Strategy for TT-Canola</b> 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 to 30 mm) 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. When applied before seeding, incorporate to a depth of 5 cm.
<b>Canola (Triazine Tolerant varieties only)</b> post-emergence application	Annual Ryegrass (1 to 2 leaf stage only), Mustards, Turnips, Wild Radish		555 g to 1.1 kg	<b>This use is subject to an Integrated Weed Management Strategy for the use of triazine herbicides in triazine tolerant (TT) canola</b> <b>See General Instructions: Integrated Weed Management Strategy for TT-Canola</b> Apply to moist soil when weeds are actively growing. The addition of 0.5 to 1% v/v of crop oil will enhance post emergence activity. <b>Cold water:</b> Under cold water conditions (10 °C or less), use Adigor* Spray Adjuvant or Hasten* Spray Adjuvant as a crop oil. DO NOT apply more than 1 post-emergence application.

Crop/Situation	Weed	State	Rate/ha	Critical Comments
<b>Eucalypt, Pine plantations</b>	Common Sowthistle, Mouse-Ear Chickweed, Sand Brome, Silver Grass, Wild Oats, Yorkshire Fog Grass	All States	5 to 8.8 kg	<b>Pre-planting:</b> Graze the area heavily and apply by boom spray or aircraft no more than 2 weeks before planting. <b>Post-planting:</b> Apply by boom spray either immediately after or within 1 month of planting. When applying by aircraft, the pines must be at least 1 month old. Application must be made before the spring flush commences. Use rates towards the lower end of the range where broadleaf weeds are the major problem and rates towards the higher end of the range where grasses are the major problem. Use up to 8.8 kg/ha on clay loams and heavier textured soils. For sandy soils and soils described as highly erodible, apply a maximum of 5 kg/ha. DO NOT apply with a knapsack sprayer.
<b>Established Ryegrass Seed Crops</b>	Barley Grass, Docks, Loosestrife, Silver Grass, Soft Brome, Sorrel, Toad Rush, Winter Grass	Vic only	830 g to 1.1 kg	Apply after good autumn rains have fallen and conditions are becoming cooler around late May to mid-June. Graze heavily prior to application. <b>Note:</b> Some crop damage may occur on sandy soils if crop water stressed then damage may occur. DO NOT apply Nitrogen prior to spraying.
<b>Fallow Area Maintenance</b> prior to sowing Lupins, Peas, Wheat	Broadleaf weeds and grasses		650 to 870 g	Apply late July to mid September for May to June sowing. Use the higher rate for a 14 month fallow - apply in February/April before autumn rains.
<b>Grass Seed Crops</b> - established stand of Currie Cocksfoot, Demeter Fescue, Phalaris, Sirocco - seedling <i>Panicum Maximum</i> , Signal Grass	Broadleaf weeds, Brome Grasses, Crowsfoot Grass, Feathertop, Love Grass, Pigeon Grasses, Rhodes Grass, <i>Setaria</i> spp	Qld only	2.5 to 3.3 kg	<b>Pre-emergence:</b> Apply at or immediately after planting, preferably to a moist soil, and before crop and weeds germinate. Use the lower rate on <i>Panicum maximum</i> seed crops and the higher rate on Signal Grass when grasses are likely to be the major problem. Guinea Grass, Green Summer Grasses ( <i>Brachiaria</i> spp) and Panics are not controlled. <b>Warning:</b> Damage can occur to <i>Panicum maximum</i> when application is made under cool, dry conditions. <b>Note:</b> When used in Signal Grass and <i>Panicum maximum</i> user accepts all responsibility should any damage occur.
	Brome Grass	All States	1 to 1.2 kg	Apply after the Autumn break when Brome grass is just emerging. Apply by low volume boom spray.
<b>Lucerne</b> established for more than 1 year	Mintweed		600 g	Apply when the first germination of mintweed seedlings are 5 to 8 cm high and actively growing. Grazing prior to spraying improves efficiency. Using the low volume boom spray apply 140 to 170 L spray mixture/ha.

Crop/Situation	Weed	State	Rate/ha	Critical Comments
<b>Lupins</b> weed free seedbed	Capeweed, Clovers, Doublegee, Medics, Mustard, Turnip, Wireweed, Wild Radish <b>Suppression of Annual Grass Weeds</b>	WA only	280 to 560 g plus 420 to 830 mL Flowable Simazine 600 SC Liquid Herbicide or 280 to 560 g Simazine Granules	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 5 cm. Sufficient rainfall (20 to 30 mm) to wet the soil through the weed root zone 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 a dry or low moisture seedbed. Apply a maximum of 930 g/ha of the mixture on yellow sands. Apply 1.2 kg/ha on all other soil types. <b>Note:</b> Some early crop phytotoxicity may be observed particularly on yellow sands carrying Native Pear and Pine vegetation. <b>Caution:</b> DO NOT use on white or grey sands.
<b>Maintenance of fallow areas</b> prior to planting a Sorghum crop in a conservation tillage system	Amaranths, Annual Ground Cherry, Barnyard Grass, Black Bindweed (Climbing Buckwheat), Blackberry Nightshade, Bladder Ketmia, Burrs, Caltrop, Cobbler's Pegs, Common Thornapple, Crowsfoot Grass, Dwarf Marigold, Fat Hen, Love Grass, Mintweed, Parthenium Weed, Pigeon Grass, Pigweed, Plains Grass, Potato Weed, Prickly Paddy Melon, Sesbania Pea, Spring Grass, Summer Grass, Wireweed	Qld, NSW only	2 to 3.3 kg	<b>Pre-plant:</b> Apply to moist soil or when rain is imminent and prior to the germination of weeds and grasses, or as a tank mixture with a specific knockdown herbicide if weeds and grasses are present. Use the lower rate when short-term control of weeds and grasses is required or where a wheat crop will follow sorghum in the rotation. Use the higher rate when longer term control of weeds and grasses is required.
<b>Maize, Sorghum</b>	Black Pigweed	Central Qld only	1.2 kg	Pre-emergence
	Thornapple ( <i>Datura</i> spp), other broadleaf weeds including <i>Amaranthus</i> spp, Annual Ground Cherry, Bellvine, Black Pigweed, Bladder Ketmia, Caltrop, Mintweed, Noogoora Burr, Pigweed, Sesbania Pea, Wandering Jew, Wild Gooseberry	Qld, NSW only	830 g to 1.1 kg plus 350 to 500 mL Tordon 75-D*	<b>Post-emergence:</b> Use lower rate for seedlings (2 true leaves). For plants up to 3 cm in diameter use higher rate. Add wetting and spreading agent (see Application).
<b>Maize, Sweet Corn</b> irrigated and dryland	Amaranths, Annual Ground Cherry, Barnyard Grass, Blackberry Nightshade, Black Bindweed (Climbing Buckwheat), Bladder Ketmia, Burrs, Caltrop, Cobbler's peg, Common Sowthistle, Common Thornapple, Crowsfoot Grass, Dwarf Marigold, Fat Hen, Love Grass, Mintweed, Parthenium Weed, Pigeon Grass, Pigweed, Plains Grass, Potato Weed, Prickly Paddy Melon, Spring Grass, Summer Grass, Sunflower, Wild Oats, Wireweed	All States	2.5 to 3.3 kg	<b>Pre-plant, pre-emergence or post-emergence:</b> Use the lower rate where broadleaf weeds are the major problem and the higher rate where grasses are the major problem or on heavy soils. <b>Post-emergence:</b> Add Agral* Spray Adjuvant (refer to Mixing and Summer Crops).

Crop/Situation	Weed	State	Rate/ha	Critical Comments
<b><i>Pinus radiata</i> plantation</b>	Capeweed, Clovers, Mouse-Ear Chickweed, Rye Grass, Sand Brome, Silver Grass, Sow Thistle Seedlings, Wild Oats, Yorkshire Fog Grass	NSW, Vic, Tas, SA, WA, only	1.6 to 2.2 kg plus 5.6 to 8 L Amitrole T*	<b>Pre-planting or post-planting:</b> Spray to pine seedlings. Use the higher rate where grasses are a major problem. Preferably apply as a strip, rather than a blanket application (see Method of Application).
<b>Roadsides, Rights of way</b>	Parthenium Weed	Qld, NSW, NT only	3.3 kg	<b>Pre emergence and post-emergence:</b> 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.
<b>Seedling Ryegrass Seed Crops</b>	Toad Rush, Winter Grass	Vic only	480 to 550 g	Use the lower rate at 2 to 3 leaves and the higher rate at early tillering.
	Broadleaf Weeds, Toad Rush, Winter Grass		550 g plus 500 mL MCPA Amine 500 Herbicide plus 400 mL dicamba (500 g/L)	Use at the tillering stage.
<b>Sorghum</b>	Parthenium Weed	Qld only	3.3 kg	Apply as a pre-emergence blanket spray. Add 150 mL Spraymate* Activator Surfactant to each 100 L spray.
	Black Pigweed, Sesbania Pea		1.1 kg plus 400 mL 2,4-D Amine 625 Herbicide	Post-emergence <b>Warning:</b> Atrazine mixtures with 2,4-D and dicamba can cause crop damage in central Qld. Refer to Incorporation in General Instructions.
<b>Sorghum, Broom Millet, Saccaline, Forage Sorghum dryland</b>	Amaranths, Annual Ground Cherry, Barnyard Grass, Blackberry Nightshade, Black Bindweed (Climbing Buckwheat), Bladder Ketmia, Burrs, Caltrop, Cobbler's Peg, Common Sowthistle, Common Thornapple, Crowsfoot Grass, Dwarf Marigold, Fat-hen, Love Grass, Mintweed, Parthenium Weed, Pigeon Grass, Pigweed, Plains Grass, Potato Weed, Prickly Paddy Melon, Sesbania Pea, Spring Grass, Summer Grasses, Sunflower, Wild Oats, Wireweed	All States	2 kg	<b>Pre-plant or pre-emergence only:</b> Use this technique where grasses are likely to be the major problem.
			2 kg followed by 1.3 kg	<b>Pre-plant or pre-emergence followed by post-emergence:</b> Use this technique where long term weed control is required because of heavy rainfall or prolonged wet conditions following the initial application, or because dry weather follows sowing and spraying and weed and grass growth occurs.
			2 to 2.5 kg	<b>Post-emergence only:</b> Use the lower rate where only a broadleaf weed problem occurs and the higher rate where grasses are the major problem. Add a non-ionic surfactant.
<b>Sorghum, Broom Millet, Saccaline, Forage Sorghum irrigated</b>	Black Bindweed (Climbing Buckwheat), Cobbler's Peg, Sesbania Pea, Sunflowers, Wild Oats	NSW, Vic, SA, WA only	1.7 kg followed by 1.4 to 1.6 kg	<b>Pre-plant or pre-emergence followed by a post emergence</b> (see General Instructions): Use the lower rate on medium textured soils and the higher rate where grasses are the major problem or on heavy soils.
			2.5 to 3.3 kg	<b>Pre-emergence or post-emergence only</b> (see General Instructions): Use the lower rate on light sandy soils, ie soils low in organic matter, and medium textured soils and the higher rate where grasses are the major problem or on heavy soils. DO NOT apply as a pre-emergence application to light sandy soils. Add a non-ionic surfactant to Post-emergence applications. <b>Note:</b> Not recommended in the MIA.

Crop/Situation	Weed	State	Rate/ha	Critical Comments
<b>Sorghum, Broom Millet, Saccaline, Forage Sorghum</b> irrigated and dryland	Black Pigweed, Mintweed	Qld only	1.3 kg	<b>Pre-plant, pre-emergence or post-emergence only:</b> Apply when weeds are young (4 to 6 true leaves) and actively growing.
<b>Sugarcane</b>	African Star Grass, Bellvine, Barnyard Grass, Billygoat Weeds, Blue Top, Chinese Burr, Crowsfoot Grass, Cupid's Flower (Star of Bethlehem), Gambia Pea, Green Summer Grass, Mossman River Grass, Rattle Pods, Summer Grass	Qld, NSW WA only	3.3 kg plus 4 L ametryn (500 g/L) in sufficient water for thorough coverage	Apply as a pre-emergence or early post-emergence application to both crop and weeds. If weeds and grasses are present at time of application, these should be actively growing and not exceed the 3 to 4 leaf stage. Aim to apply onto moist soil and when rain is likely to occur within 10 days of application. Application may be as either a band or blanket spray. When applying after the cane has emerged, use a directed spray to minimise contact of the spray with the cane plants (see Incorporation in General Instructions). <b>Warning:</b> Some phytotoxicity may be observed in Q90.
	Barnyard Grasses, Blue Top, Borreria (Square weed), Budda Pea, Cobbler's-Pegs, Crowsfoot Grass, Flannel Weed, Paddy's Lucerne (Common sida), Pigweed, Sesbania, Sida Retusa, Spiny Spider Flower (Wild Rose), Stinking Passion Vine, Summer Grasses, Sweet Briar, Thickhead, Vines		2.2 to 3.3 kg	Apply when soil is moist. Avoid spraying weeds under stress. Apply by ground rig only and obtain good cover of target weeds. Use high rates towards the higher end of the range where heavy soil or high trash levels are present. Use higher rates for grasses. Approximate period of weed control - 2.2 kg up to 4 weeks. - 3.3 kg up to 10 weeks. A pre-emergence application is preferred for grasses. <b>Control of emerging broadleaf weeds:</b> Where plants are large or conditions dry, 1 L of 2, 4-D amine/ha should be added. If grasses are a problem this product should be applied prior to weed emergence. If emerged grasses are present add Genfarm Paraquat 250 Herbicide at 1.2 to 1.7 L/ha.
	Giant Sensitive Plant	Qld, WA only		

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

#### WITHHOLDING PERIODS

**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 STOCK FOOD WITHIN 28 DAYS AFTER APPLICATION**

#### METHOD OF APPLICATION

##### ***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 1 month of planting. Application must be made before the spring commences. Avoid spraying the pine seedlings by using directed spray.



## GENERAL INSTRUCTIONS

GENFARM ATRAZINE 900 WG is a pre-emergence and post-emergence herbicide that controls weeds from seed and weed seedlings. However, established perennial species, large annuals, and large broadleaf weeds are not satisfactorily controlled at the rates recommended.

It acts mainly through root absorption, its effectiveness depends on the occurrence of control rainfall or irrigation to move it down into the weed zone. Duration and effectiveness of control depends on the amount of chemical applied, soil type, rainfall and particular weed species.

**The maximum rate of atrazine application in all crops except plantation forestry is limited to an amount of product equivalent to 3 kg ai atrazine/ha per year. DO NOT exceed this limit, especially when applying an atrazine herbicide post-emergence, where an atrazine herbicide has been applied pre-emergence.**

**The maximum rate of application in plantation forestry is an amount of product equivalent to 4.5 kg ai atrazine/ha per year in sandy soils and those defined as highly erodible, and product equivalent to 8 kg ai atrazine/ha per year in clay loam and heavier textured soils.**

### Mixing

DO NOT mix, load or apply within 20 m of any well, sink hole or intermittent or perennial stream or river.

This product readily mixes with water. Add required quantity to the spray vat with the **tank filter mesh removed** and the vat 50 to 75% full with water. The agitation system should be running during addition of the product and during the spraying operation. If left to settle, stir and re-suspend any settled material before starting pump and spraying product. Avoid drawing accumulated particles into outlet pipe. DO NOT pre-mix in a bucket as a paste.

**Wetting agent:** Add Agral at 125 mL/100L or BS1000\* Bio-Degradable Surfactant at 75 mL/100 L of spray mixture when applying to emerged weeds as a foliar spray.

### Application

#### ***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 4 cm deep is required to ensure the irrigation water activates the product.

**Always** apply the product to an even unridged seedbed.

**Aircraft application:** Pre-plant and pre-emergence application minimum volume of spray mixture 15 L/ha. Post-emergence application minimum volume of spray mixture 22 L/ha. 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.

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

**Ground application:** Pre-plant and pre-emergence application minimum volume of spray mixture 55 L/ha. Post-emergence application minimum volume of spray mixture 110 L/ha. Application can be made as an overall or band treatment. Minimum band width should be 30 cm.

**TT Canola:** 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 runoff is unlikely to occur or where run-off may be captured by farm earthworks.

### Summer Crops

Heavy rains immediately following an application tend 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 2 kg/ha. To avoid the likelihood of herbicide injury follow time of application (a), (b) or (d) listed below.

#### ***Time of application***

*Sorghum, Maize, Broom Millet, Saccaline, Sweet Corn*

- (a) ***Pre-plant application followed by a post-emergence application:*** Apply after establishment of the seed bed and up to 2 weeks prior to sowing. If using this technique on irrigated crops, application should preferably be made to moist soil. If applied to dry soil, lightly harrow to incorporate GENFARM ATRAZINE 900 WG into the soil not more than 4 cm deep. A post-emergence spray must be applied as soon as possible after the crop has emerged and developed 2 to 3 leaves.

*Pre-emergence application followed by a post-emergence application:* Apply at or immediately after planting and before crop and weeds emerge. Application should preferably be made to moist soil. If applied to dry soil, lightly harrow to incorporate GENFARM ATRAZINE 900 WG into the soil not more than 4 cm deep. 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 to 3 leaves.

(b) *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 this product as a pre-emergence application increases the risk outlined in Crop Safety - Summer Crops below.

(c) *Post-emergence application:* Application must be made to seedling broadleaf weeds and grasses when they are not more than 1 cm high. Normally the crop is then at the 2 to 3 leaf stage. For best results the soil should be moist and rain or irrigation should follow the application. If applied to dry soil, lightly harrow to incorporate GENFARM ATRAZINE 900 WG into the soil not more than 4 cm deep. Add Agral at the rate of 125 mL/100 L or BS1000 at the rate 75 mL/100 L of spray, for all post-emergence applications, or in sweet corn/maize 5.5 L crop oil/ha.

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

### **Crop safety**

*Sorghum, Broom Millet, Saccaline*

Heavy rains immediately following an application tend 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 2 kg/ha. To avoid the likelihood of herbicide injury use technique (a), (b) or (d) (see *Time of Application*). In the northern irrigation areas of WA, DO NOT use as a pre-emergence application during wet season.

*Maize, Sweetcorn, Sorghum, Broom Millet, Saccaline*

When sowing is made on the 'flat', avoid application to ridged soil.

*Note:* Pre-plant or pre-emergence applications are preferred where grasses are the major problem.

*Warning:* When used in Signal Grass and *Panicum maximum*, application of this product may cause damage and the user accepts all responsibility should any damage occur to the crop.

### **RESISTANT WEEDS WARNING**

GROUP	<b>C</b>	HERBICIDE
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GENFARM ATRAZINE 900 WG Herbicide is a member of the triazine group of herbicides and 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 GENFARM ATRAZINE 900 WG 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 GENFARM ATRAZINE 900 WG or other Group C herbicides. Since the occurrence of resistant weeds is difficult to detect prior to use, Nutrien Ag Solutions Limited accepts no liability for any losses that may result from the failure of GENFARM ATRAZINE 900 WG to control the resistant weeds. Advice as to strategies and alternative treatments that can be used should be obtained from your local supplier, consultant, local Department of Agriculture, Primary Industries Department or a Nutrien Ag Solutions Limited representative.

### **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. Any incidents of resistance must be reported to Nutrien Ag Solutions Limited, phone 1800 067 108.

### **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 WG or GENFARM ATRAZINE 900 WG plus trifluralin pre-emergence. A follow-up with a Group A herbicide (if Ryegrass is susceptible) or GENFARM ATRAZINE 900 WG may be necessary.  
*Broadleaf weeds only:* Use GENFARM ATRAZINE 900 WG post-emergence.
- **DO NOT** use GENFARM 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 GENFARM ATRAZINE 900 WG or Simazine 900 WG or a combination of the 2 products to be applied to the crop during the growing season is **2.2 kg/ha**.

*On alkaline soils (pH greater than 6.5):* The maximum rate of GENFARM ATRAZINE 900 WG or Simazine 900 WG or a combination of the 2 products to be applied to the crop during the growing season is **1.1 kg/ha**.

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

**Integrated Weed Management Strategy for TT-Canola**

An Integrated Weed Management Strategy for TT-Canola (the Strategy) has been developed by Nutrien Ag Solutions with the assistance and agreement of the Canola Association of Australia. The Strategy outlines recommendations, measures and options for weed management, including management of herbicide resistance in weed populations. The Strategy is available from a Nutrien Ag Solutions 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 GENFARM ATRAZINE 900 WG on TT-Canola.

**Important: Use may not control canola escapes or weedy canola relatives if triazine tolerant.** Nutrien Ag Solutions, the Canola Association of Australia, neighbouring land managers and growers should be notified of suspected incidents of resistance.

**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 apply under weather conditions or from spraying equipment which may cause spray to drift onto nearby susceptible plants/crops, cropping lands or pastures.

DO NOT apply product, or drain or flush equipment on or near desirable trees or other plants or on areas where their roots may extend or in locations where the chemical may be washed or moved into contact with their roots.

**Crop Rotation**

DO NOT plant crops other than those recommended on this label for at least 6 months following treatments at rates up to 1.4 kg/ha and for 18 months following treatments of 1.4 to 3.3 kg/ha.

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

DO NOT contaminate streams, rivers or watercourses with the chemical or used containers. This product is very highly toxic to algae and aquatic macrophytes.

DO NOT apply this product within 60 m of natural or impounded lakes or dams.

DO NOT use in channels or drains.

DO NOT apply under meteorological conditions or from spraying equipment which could be expected to cause drift of this product or spray mix into adjacent areas, particularly wetlands, waterbodies or watercourses.

**STORAGE AND DISPOSAL****(10 kg box)**

Store in the closed, original container in a cool, well-ventilated area. Do not store for prolonged periods in 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 500 mm 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**

Avoid contact with eyes and skin. Do not inhale dust or spray mist. When preparing spray and using the prepared spray, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing), a washable hat, and elbow-length PVC gloves. If using a hand directed sprayer, wear in addition: waterproof trousers and boots. After use and before eating drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use wash gloves and contaminated clothing.

**FIRST AID**

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 13 11 26, New Zealand 0800 764 766.

**SAFETY DATA SHEET**

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

**CONDITIONS OF SALE**

The use of this product is beyond the control of Nutrien Ag Solutions Limited. Any provisions or rights under the Australian Consumer Law which cannot be excluded by law are not intended to be excluded by these conditions of sale. Subject to the foregoing, all warranties, conditions, rights and remedies expressed or implied under common law, statute or otherwise, in relation to the sale, supply, storage, use or application of this product are excluded. Nutrien Ag Solutions Limited does not accept any liability (including consequential loss and/or negligence) for any loss or damage connected with the sale, supply, storage, use or application of this product except for liability which cannot be excluded by statute.

Batch No:

DOM:

APVMA Approval No: 68292/123859

Nutrien Ag Solutions Limited

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Additional statements required by Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia: May cause an allergic skin reaction; If skin irritation or rash occurs get medical advice; May cause damage to organs through prolonged or repeated exposure; Contaminated work clothing should not be allowed out of the workplace.

IN A TRANSPORT EMERGENCY

**DIAL 000**

POLICE OR FIRE BRIGADE

FOR SPECIALIST ADVICE

**1800 033 111**

24 HOURS AUSTRALIA WIDE