

READ SAFETY DIRECTIONS BEFORE OPENING OR USING

Nufarm
Simazine 900DF

Herbicide

ACTIVE CONSTITUENT: 900g/kg SIMAZINE

GROUP **C** HERBICIDE

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

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

Net Contents: 10kg
15kg

Nufarm Australia Limited
ACN 004 377 780
103–105 Pipe Road
Laverton North Victoria 3026
Tel: (03) 9282 1000
Fax: (03) 9282 1001



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 on site. Puncture or shred and bury empty containers in a local authority landfill. If no landfill is available, bury the containers below 500mm 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 13 11 26.

MATERIAL SAFETY DATA SHEET

For further information refer to the Material Safety Data Sheet (MSDS).

CONDITIONS OF SALE

"Nufarm Australia Limited" ("Nufarm") 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 Nufarm'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 Nufarm has any authority to add to or alter these conditions.

APVMA Approval No.: 31856/

In case of emergency: Phone 1800 033 498

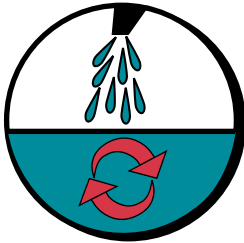
Ask for shift supervisor. Toll free 24 hours.

Batch Number:

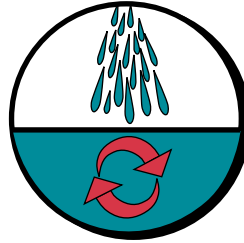
Date of Manufacture:

Barcode

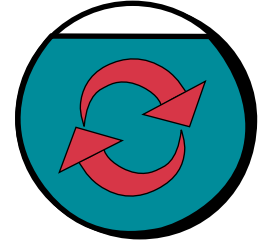
Mixing Directions for Simazine 900DF



Fill tank 60 – 80% full with clean water BEFORE adding Simazine 900DF. Begin agitating tank contents vigorously and continue agitation during entire mixing and spraying operations.



Pour required amount of Simazine 900DF STEADILY into tank. Allow vigorous bypass agitation to completely disperse product. DO NOT dump product into tank all at once.



After adding required quantity of Simazine 900DF and obtaining COMPLETE DISPERSION, continue to fill tank to desired level for spraying. Thorough agitation of the spray liquid should continue during the entire spraying operation. N.B. Spray solution should NOT be left standing in the tank or spray boom lines overnight

Herbicide Mixing Sequence

Mixing (separated by appropriate amounts of water) should be in order of:

1. Granules (eg DF's, Associate & Siege).
2. Wettable Powders (including those in water soluble bags).
3. Flowables (eg Flowable Nu-trazine).
4. Emulsifiable Concentrates (eg TriflurX).
5. Water Soluble Liquids (eg Glyphosate, Nuquat).
6. Adjuvants (eg. Activator Surfactant & LI-700)

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Net Contents: 500kg

Contains 50 x 10kg measure packs which it is illegal to sell separately.

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SAFETY DIRECTIONS

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

FIRST AID

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MATERIAL SAFETY DATA SHEET

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Ask for shift supervisor. Toll free 24 hours.

Batch Number:

Date of Manufacture:

Barcode

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Simazine 900DF
Herbicide

**ACTIVE CONSTITUENT: 900g/kg
SIMAZINE**

GROUP C HERBICIDE

NOT TO BE SOLD SEPARATELY.
BEFORE USE READ ALL DIRECTIONS
ON THE OUTER PACK AND
ATTACHED LEAFLET.

Net Contents: 10kg

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APVMA Approval No. 31586/

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. Keep out of reach of children. Shake empty into tank mix. Single rinse before disposal. Add rinsings to spray tank. DO NOT dispose of undiluted chemicals on site. Puncture and bury empty containers in a local authority landfill. If no landfill is available, bury the containers below 500mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and products should NOT be burnt.

SAFETY DIRECTIONS

May irritate the eyes and skin. Avoid contact with the eyes and skin. DO NOT inhale dust or spray mist. If product gets on skin, immediately wash area with soap and water. After use and before eating, drinking or smoking, wash hands, arms, and face thoroughly with soap and water.

FIRST AID

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**DIRECTIONS FOR USE:
FRUIT AND VEGETABLES**

Situation & Crop	Weeds Controlled	State	Rate kg/ha		Critical Comments
			Light Soil	Heavy Soil	
Almonds	Refer to Weed Table	SA only	1kg or 60g/100L	2kg or 120g/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	1.3kg	2.5kg	Apply to bare moist soil after last cultivation and before spear emergence.
Berry Fruits, Boysenberries, Currants, Loganberries, Raspberries established for 12 months					DO NOT apply to foliage or when fruit is present. Apply to bare moist soil on established plants only.
Citrus established for 12 months					Apply to bare moist soil immediately after cultivation and before weeds emerge.
Hops					Apply to moist weed-free soil in late Winter, early Spring before hop emergence. Hops should be covered by 50mm of soil.
Pome Fruit, Apples, Pears		Qld only	3kg	4kg	Use only if trees are at least 2 years old. Apply to bare moist soil.
		ACT, NSW, Vic, SA, Tas, WA only	1.8kg/ha OR 90g/100L	2.5kg/ha OR 120g/100L	Use only if trees are at least 2 years old. Apply to bare moist soil.
Strawberries		All States	1.2kg	1.2kg	Apply between polythene covered beds. DO NOT use on white or grey sands in WA.
Vines		Qld only	3.9kg	3.9kg	Use only if vines are at least three years old.
		ACT, NSW, Vic, SA, Tas, WA only	1.3kg OR 60g/100L	2.5kg OR 120g/100L	Use only if vines are at least 12 months old. In the first year of use, split applications are preferred. DO NOT use on excessively sandy soils, as crop damage may occur.

**DIRECTIONS FOR USE:
FIELD CROPS AND PASTURE**

Situation & Crop	Weeds Controlled	State	Rate kg/ha	Critical Comments
Canola- (Triazine Tolerant varieties only) Pre emergence or post sowing pre emergence only	Capeweed, Charlock, Clover, Corn Cromwell, Doublegee, Fumitories, Geraniums, Ivy-leaf Speedwell, London Rocket, Mustards, Turnips, Paterson's Curse, Shepherd's Purse, Silver Grass (Vulpia). Suppression of Annual Ryegrass, Barley Grass, Brome Grass, Wild Oats and Wild Radish.	All States	1.1kg – 2.2kg	Important: This use is subject to adherence to the INTEGRATED WEED MANAGEMENT STRATEGY for TT-Canola. See General Instructions: Integrated Weed Management Strategy for TT-Canola. Can be applied up to a week before sowing or post-sowing pre-emergence (ideally Incorporated by harrows). For best results apply to bare moist soil, either immediately before seeding or as a pre-emergence treatment at or within 7 days of planting. Sufficient rainfall (20–30mm) to wet the soil through the weed root zone is necessary within 2–3 weeks of application. Application should not be made to ridged or excessively cloddy soil. When applied before seeding, incorporate to a depth of 5cm.
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	ACT, NSW, Qld, SA only	800g plus 830g Prometryn 900DF	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.
	Milk Thistle (Common Sowthistle), Indian Hedge Mustard, Turnip Weed, and suppression of Prickly Lettuce, Shepherd's Purse and Wireweed.	ACT, Qld, NSW, Vic, SA only	800g – 1.1kg	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.
	Annual Ryegrass, Barley Grass, Capeweed, Corn Gromwell, Fumitories, Geranium, Ivy-leaf Speedwell, Rough Poppy, Mustards, Turnips, Volunteer Canola (not triazine tolerant cultivars), Wireweed and suppression of Brome Grass and Wild Oats.	ACT, Qld, NSW, Vic, SA, WA only	800g – 1.1kg plus 800mL Nufarm Triflur X	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.
	Capeweed, Clover, Dock, Doublegee, Mustard, Radish, Self Sown Cereals, Silver Grass, Turnip Weed and suppression of Barley Grass, Ryegrass and Wild Oats	WA only	550g – 1.1kg	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 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 550–750g on lighter soils and in the Northern Agricultural areas, up to 1.1kg on heavier soil types. DO NOT use on whitish or grey sands.

**DIRECTIONS FOR USE:
FIELD CROPS AND PASTURE (cont'd)**

Situation & Crop	Weeds Controlled	State	Rate kg/ha		Critical Comments
			Light Soil	Heavy Soil	
Faba Beans	Annual Ryegrass, Barley Grass, Brome Grass, Capeweed, Corn Gromwell (Sheepweed), Deadnettle, Fumitories, Geranium, Ivy-leaf Speedwell, Medics, Mustards, Paradoxa Grass, Saffron Thistle, Soursob, Volunteer Canola, Wireweed and suppression of Wild Oats.	ACT, NSW, Vic, WA, SA only	1.1kg on light soils 1.4kg on heavy soils		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.
	Annual Ryegrass, Barley Grass, Brome Grass, Capeweed, Corn Gromwell (Sheepweed), Deadnettle, Fumitories, Geranium, Ivy-leaf Speedwell, Medics, Mustards, Paradoxa Grass, Saffron Thistle, Soursob, Volunteer Canola, Wireweed and suppression of Wild Oats.		550g plus 800mL TriflurX	800g plus 800mL TriflurX	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 rain (20-30mm) is necessary within 2-3 weeks of application.
Lucerne (established)	Refer to Weed Table	Tas only	1.1kg	1.1kg	Use only if lucerne is more than 12 months old. Apply during the Winter dormant period before weeds emerge.
Lupins	Annual Ryegrass, Barley Grass, Capeweed, Fumitories, Wireweed, Corn Gromwell (Sheep Weed), Ivy-leaf Speedwell, Turnips, Mustards, Geraniums, suppression of Wild Oats, Brome Grass and Soursob	ACT, NSW, Vic, Tas, SA only	800g to 1.1kg on light soils 1.3 to 2.2kg on loam soils		Apply 50 to 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	Capeweed, Clover, Dock, Doublegee, Mustard, Radish, Self Sown Cereals, Silver Grass, Turnip and suppression of Barley Grass, Brome Grass, Ryegrass and Wild Oats	WA only	550g to 1.1kg on light soils 1.1 to 1.6kg on gravelly loam soils		Can be applied as a pre-emergence treatment before or within 2 days of planting. Application should not be made to ridged or excessively cloggy 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.
			550g to 1.1kg plus 1.25L TriflurX		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 to 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.

**DIRECTIONS FOR USE:
FIELD CROPS AND PASTURE (cont'd)**

Situation & Crop	Weeds Controlled	State	Rate kg/ha	Critical Comments
Lupins where weeds are present at time of sowing	Capeweed, Clover, Dock, Doublegee, Mustard, Radish, Self Sown Cereals, Silver Grass, Turnip and suppression of Barley Grass, Brome Grass, Ryegrass and Wild Oats	WA only	550g to 800g plus 100 to 160mL Nuquat 250	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	Capeweed, Clover, Dock, Doublegee, Mustard, Radish, Selfsown Cereals, Silver Grass, Turnip and suppression of Ryegrass, Barley Grass, Brome Grass and Wild Oats.		400g – 1.1kg	To be used in addition to a pre-emergence application of Simazine 900DF, but not as an alternative to a pre-emergence application. Apply to moist soil. Use rates of 400g to 550g within 4 weeks after seeding. DO NOT apply to Lupins which are showing symptoms of Simazine damage from the pre-emergence herbicide application.
Sub Clover Established lucerne and perennial grass pastures	Vulpia (Silvergrass), Rat's tail Fescue, Squirrel-tail Fescue, Sand Fescue	ACT, NSW, SA, Tas, Vic only	550g – 900g	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 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 Simazine 900 DF is applied. DO NOT use herbicides for broad-leaved weed control within 3 weeks of application.
		ACT, NSW, Vic only SA only	550 – 800g plus 100 – 160mL of Nuquat 250 400 – 550g plus 100 – 160mL of Nuquat 250	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 Nuquat 250 improves the control of well established plants. Add a non-ionic surfactant at 0.2% v/v (200mL per 100L). Under conditions of good soil moisture, control of other 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 900DF plus Nuquat 250 is applied. DO NOT use herbicides for broad-leaved weed control within 3 weeks of application.

DIRECTIONS FOR USE:**FIELD CROPS AND PASTURE (cont'd)**

Situation & Crop	Weeds Controlled	State	Rate kg/ha	Critical Comments
Sub Clover Established lucerne and perennial grass pastures	Vulpia (Silvergrass), Rat's tail Fescue	WA only	400g – 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 Simazine 900DF. 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.

FORESTRY

Situation & Crop	Weeds Controlled	State	Rate/ha		Critical Comments
			Light Soil	Heavy Soil	
Forestry Including farm tree plantations <i>Pinus, Araucaria,</i> <i>Corymbia</i> and <i>Eucalyptus</i> 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	All States	1.6 to 6.7 kg/ha		Simazine 900DF may be applied prior to or after planting. For most situations use 5.0 to 5.5 kg/ha. On gravelly coarse textured soils use 2.8 to 4.0 kg/ha. In WA & SA in medium rainfall zones [400–600mm] use 3.0 to 4.0 kg/ha and for sandy low organic soils use 1.6 to 3.0 kg/ha. On sandy soils allow two weeks and at least 50mm of rain between spraying and planting. Use a maximum rate of 1.6 kg/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 to 2.0 metres 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.

ORNAMENTALS

Situation & Crop	Weeds Controlled	State	Rate/ha		Critical Comments
			Light Soil	Heavy Soil	
Gladioli	Refer to Weed Table	All States	1.2kg or 60g/100L	1.2kg or 60g/100L	Apply to bare moist soil after planting. High rates may cause crop damage on sandy soils low in organic matter.
Roses		All States	1.3kg	2.5kg	Apply to bare moist soil. DO NOT use on plants less than 1 year old.
Nurseries & Propagating Beds		All States	1.2 kg	1.2 kg	Use only on non-susceptible plants listed in the table.

**DIRECTIONS FOR USE:
NON-CROP USES**

Situation & Crop	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	Refer to Weed Table	All States	5kg OR 500g/100L	5kg OR 500g/100L	Provides seasonal control of annual weed germinations. Apply to bare moist ground.
			10kg OR 1kg/100L	24kg OR 2.4kg/100L	Provides long residual control in Winter rainfall areas. Apply to bare moist ground.
			24kg OR 2.4kg/100L	48kg OR 4.8kg/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	2g per 1000 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.**

WEED TABLE	
Weeds controlled in all States	
Amaranths	<i>Amaranthus spp</i>
Poa (Winter grass)	<i>Poa annua</i>
Barley grass Annual	<i>Hordeum spp</i>
Barnyard grass	<i>Echinochloa spp</i>
Bindii	<i>Calotis hispidula</i>
*Brome grass	<i>Bromus spp</i>
Capeweed	<i>Arctotheca calendula</i>
Chickweed	<i>Stellaria media</i>
Common sowthistle	<i>Sonchus oleraceus</i>
Corn Gromwell (Iron/Sheepweed)	<i>Buglossoides arvensis</i>
Creeping oxalis	<i>Oxalis corniculata</i>
Fat hen	<i>Chenopodium album</i>
Fumitories	<i>Fumaria spp</i>
Geranium	<i>Geranium spp</i>
Ivy-leaf speedwell	<i>Veronica hederifolia</i>
Mustards	<i>Sisymbrium spp</i>
Native geranium	<i>Geranium solanderi</i>
Nettles	<i>Urtica spp</i>
Potato weed	<i>Galinsoga parviflora</i>
Powell's amaranth	<i>Amaranthus powellii</i>
Red root amaranth	<i>Amaranthus retroflexus</i>
Red shank	<i>Amaranthus cruentus</i>
Shepherds purse	<i>Capsella bursa-pastoris</i>
Summer grass	<i>Digitaria spp</i>
Thistles – annual	<i>Carduus spp</i>
	<i>Carthamus spp</i>
	<i>Centaurea spp</i>
	<i>Onopordum spp</i>
– soldier	<i>Picnomon acarna</i>
– variegated	<i>Silybum marianum</i>
Turnips	<i>Brassica spp</i>
Turnip weed	<i>Rapistrum rugosum</i>
Wild mustard	<i>Sisymbrium spp</i>
*Wild radish	<i>Raphanus raphanistrum</i>
*Wild turnip	<i>Brassica tournefortii</i>
*Wimmera (Annual) ryegrass	<i>Lolium rigidum</i>
Yellow wood sorrel	<i>Oxalis corniculata</i>
* See WA suppression only table below	

Weeds suppressed at higher rates	
Soursob	<i>Oxalis pes-caprae</i>
Wild oats	<i>Avena spp</i>

Weeds suppressed only in WA	
Annual ryegrass	<i>Lolium rigidum</i>
Brome grass	<i>Bromus spp</i>
Dock	<i>Rumex spp</i>
Double gee	<i>Emex australis</i>
Radish	<i>Raphanus raphanistrum</i>
Sorrel	<i>Rumex acetosella</i>
Soursob	<i>Oxalis pes-caprae</i>
Wild turnip	<i>Brassica tournefortii</i>
Wireweed	<i>Polygonum aviculare</i>

GENERAL INSTRUCTIONS:

Simazine 900DF 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. Simazine 900DF 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

An Integrated Weed Management Strategy for TT-Canola (the Strategy) has been developed by Nufarm 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 Nufarm representative, the Canola Association of Australia and the Avcare website. 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 900DF 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 or NU-TRAZINE plus TriflurX pre-emergence.

A follow-up with a Group A herbicide (if ryegrass is susceptible) or NU-TRAZINE may be necessary.

Broadleaf Weeds only: Use NU-TRAZINE post-emergence.

- DO NOT use NU-TRAZINE or SIMAZINE 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 Nu-triazine or Simazine or a combination of the two products to be applied to the crop during the growing season is 2kg ai/ha.

On alkaline soils (pH greater than 6.5) – The maximum rate of Nu-triazine or Simazine or a combination of the two products to be applied to the crop during the growing season is 1kg ai/ha.

Post-emergence use - It is recommended that Nu-triazine only be used, and at rates of 1kg ai/ha or less, on both acid or alkaline soils.

MIXING:

This product must be mixed with water and applied by suitable spray equipment.

1. Fill vat 60 – 80% full with clean water BEFORE adding product. Begin agitating vat contents vigorously and continue agitation during entire mixing and spraying operations.
2. Pour required amount of product STEADILY into vat. Allow vigorous bypass agitation to completely disperse product. DO NOT dump product into vat all at once.
3. After adding required quantity of product and obtaining COMPLETE DISPERSION, continue to fill vat to desired level for spraying. Thorough agitation of the spray liquid should continue during the entire spraying operation.

N.B. Spray solution should NOT be left standing in the vat overnight.

APPLICATION:

Use a boom sprayer or a knapsack sprayer 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 Spraymate Tank and Equipment Cleaner.

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 to where run-off may be captured by farm earthworks.

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 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.

RESISTANT WEEDS WARNING:**GROUP C HERBICIDE**

Nufarm Simazine 900DF Herbicide ("Simazine") is a member of the Triazines group of herbicides. Simazine has the inhibitors of photosynthesis at photosystem II mode of action. For weed resistance management Simazine is a Group C herbicide.

Some naturally-occurring weed biotypes resistant to Simazine 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 or other Group C herbicides.

Since the occurrence of resistant weeds is difficult to detect prior to use, Nufarm Australia Limited accepts no liability for any losses that may result from the failure of Simazine to control resistant weeds.

Advice as to strategies and alternate treatment that can be used should be obtained from your local supplier, consultant, local Department of Agriculture, Primary Industries or Nufarm 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.

COMPATIBILITY:

This product may be mixed with Amitrole T, Nuftrazine (900DF or Flowable), Diuron (900DF or Flowable), Weedmaster® Duo, Credit® + Bonus®, Nuquat 250 and Spray.Seed 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 Weedmaster® Duo (or Credit® + Bonus®) may be used. Half fill the spray tank with clean water before adding this product at the recommended rate, and mix thoroughly. Then add Weedmaster® Duo at 3L/ha or 700ml/100L (or Credit® + Bonus® at 2L/ha or 470mL/100L) and the remaining water. Maintain adequate agitation and use the mixture promptly. Do not use lower rates of Weedmaster® Duo (or Credit® + Bonus®) 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 make more than two applications during any one year in Asparagus, Berry Fruit, Citrus, Almonds, Giadioli, Hops, Apples, Pears, Roses, Vineyards or Lupins. 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 2.5kg/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.

Drift Warning:

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.

PROTECTION OF WILDLIFE, FISH, CRUSTACEA AND ENVIRONMENT:

DO NOT contaminate dams, rivers or streams with herbicide or used containers.

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 on site. Puncture or shred and bury empty containers in a local authority landfill. If no landfill is available, bury the containers below 500mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and products 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 13 11 26.

MATERIAL SAFETY DATA SHEET

For further information refer to the Material Safety Data Sheet (MSDS).

CONDITIONS OF SALE:

"Nufarm Australia Limited" ("Nufarm") 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 Nufarm'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 Nufarm has any authority to add to or alter these conditions.

APVMA Approval No.: 31856/

In case of emergency: Phone 1800 033 498

Ask for shift supervisor. Toll free 24 hours.

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