

200mm wide

## 100% Scale on A3

Y	DUR PROOF
name: client:	164166 03 Treflan 600 20L Top Dow AgroSciences 30/04 /2009
	f is <b>NOT</b> a true representation nal colours that will be printed
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errors no PLEASE CAREF	ponsibility will be taken for ot noted on this signed proof. EXAMINE THIS PROOF VERY ULLY AND RETURN SIGNED TO US FOR JOB TO PROCEED
PHIL	Philstic Labels Ltd Phone +64 9 630 5822 Fax +64 9 630 0957
	Dieline



**PMS 158** 

#### STORAGE AND DISPOSAL

Store in the closed original container in a dry cool well-ventilated area. Do not store for prolonged periods in direct sunlight.

Do not store below 5°C.

Do not store near food, feedstuffs, fertilisers or seed.

This container can be recycled if it is clean, dry, free of visible residues and has the *drumMUSTER* logo visible. Triple or pressure rinse container for disposal. Dispose of rinsate by adding to the spray tank. Do not dispose of undiluted chemicals on site. Wash outside of the container and the cap. Store cleaned container in a sheltered place with cap removed. It will then be acceptable for recycling at any *drumMUSTER* collection or similar container management site. The cap should not be replaced but may be taken separately.

If not recycling, break, crush or 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 product should not be burnt.

#### SPILL AND LEAK MANAGEMENT

Do not touch or walk through spilled material. Wear a face shield or goggles, overalls buttoned to neck and wrist, chemical resistant gloves and footwear. Stop leak when safe to do so. Dam area and prevent entry into waterways, and drains. **Small spills/leaks:** Absorb with material such as sand, soil or sawdust. Collect spilled product and place in sealable container for disposal. Spill residues may be cleaned using water and detergent. Contain and absorb wash water for disposal. Absorb and collect washings and place in the same sealable container for disposal. Dam the area of large spills and report them to Dow AgroSciences Emergency Services at 1-800 033 882.

#### SAFETY DIRECTIONS

- Harmful if swallowed.
- Poisonous if inhaled
- Will damage eyes
- · Will irritate the skin.
- May irritate nose and throat.
- Repeated exposure may cause allergic disorders.
- Avoid contact with eyes and skin.
- Do not inhale vapour or spray mist.
- If product or spray on skin, immediately wash area with soap and water.
- When opening the container, preparing spray and using the prepared spray, wear cotton overalls buttoned to the neck and wrist and a washable hat and elbow length chemical resistant gloves goggles and half facepiece respirator.
- If product or spray in eyes wash it out immediately with water.
- 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, goggles, respirator and if rubber wash with detergent and warm water and contaminated clothing.

#### FIRST AID

- If poisoning occurs contact a Doctor or Poisons Information Centre. Phone: Australia 13 11 26.
- If swallowed DO NOT induce vomiting. Give a glass of water.

#### **MATERIAL SAFETY DATA SHEET**

 A Material Safety Data Sheet for TREFLAN 600 HERBICIDE is available from Dow AgroSciences on request. Call Customer Service Toll Free on 1-800 700 096 or visit www.dowagrosciences.com.au

#### NOTICE

Seller warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with the directions for use. No warranty of merchantability or fitness for a particular purpose express or implied, extends to the use of the product contrary to label instructions, or under off-label permits not endorsed by Dow AgroSciences, or under abnormal conditions.

GMID: 318672



D.O.M./Batch No:





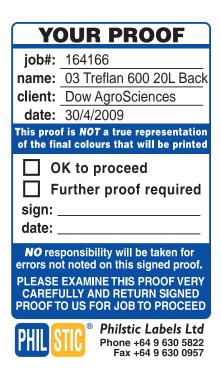
APVMA Approval No: 62809/20/0509

190mm deep



200mm wide

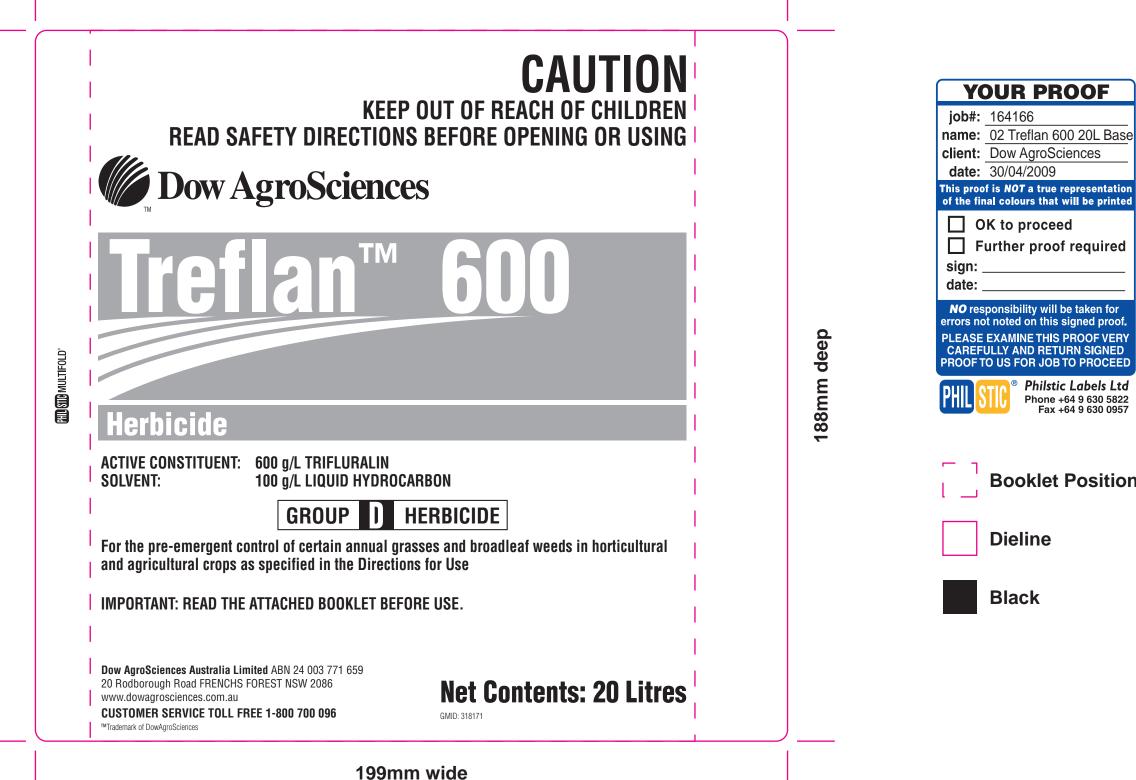
## 100% Scale on A3





Dieline







### **Booklet Position 188x160mm**

<b>CAUTION</b> KEEP OUT OF REACH OF CHILDREN READ SAFETY DIRECTIONS BEFORE OPENING OR USING <b>Dow AgroSciences</b>	▲ LIFT FOR FULL INSTRUCTIONS
Trefan <sup>™</sup> 600	mm deep
Herbicide       APPROVEL         ACTIVE CONSTITUENT:       600 g/L TRIFLURALIN         SOLVENT:       100 g/L LIQUID HYDROCARBON         GROUP       HERBICIDE         For the pre-emergent control of certain annual grasses and broadleaf weeds in horticultural and agricultural crops as specified in the Directions for Use         IMPORTANT: READ THE ATTACHED BOOKLET BEFORE USE.	ξ.
Dow AgroSciences Australia Limited ABN 24 003 771 659 20 Rodborough Road FRENCHS FOREST NSW 2086 www.dowagrosciences.com.au CUSTOMER SERVICE TOLL FREE 1-800 700 096 ™Trademark of DowAgroSciences	

200mm wide

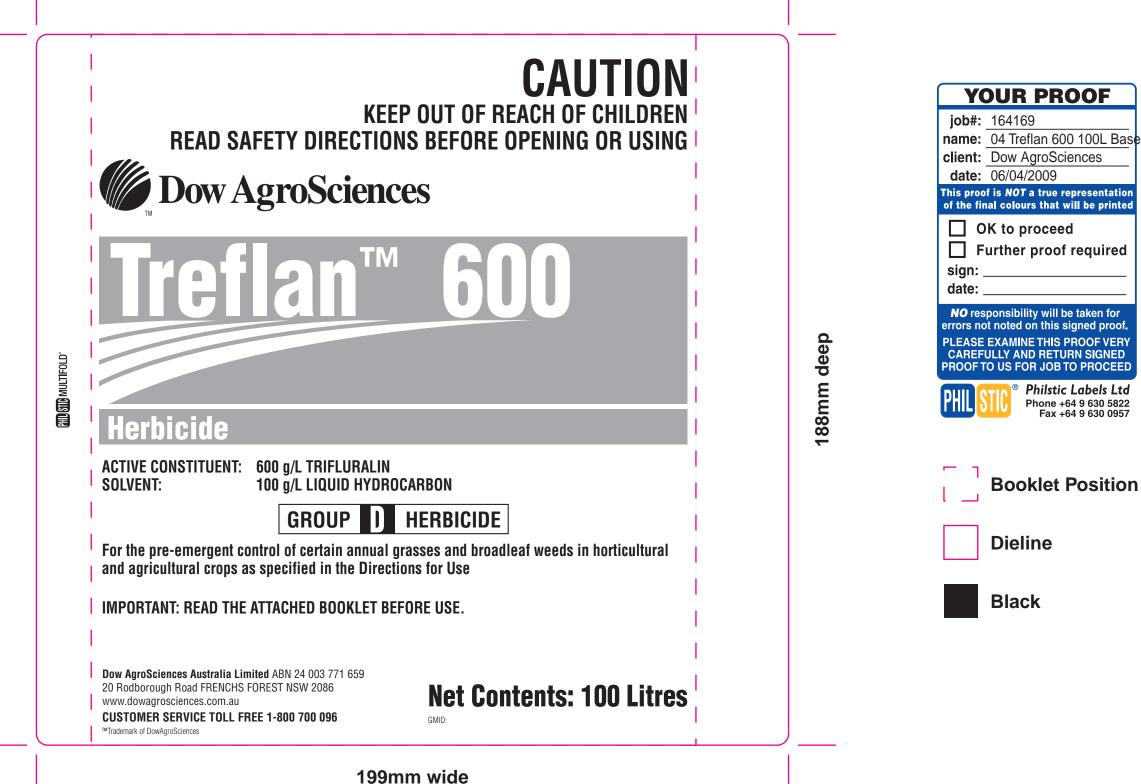
## 100% Scale on A3







**PMS 158** 



### **Booklet Position 188x160mm**

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Do not store for prolonged periods in direct sunlight. Do not store below  $5^{\circ}$ C.

Do not store near food, feedstuffs, fertilisers or seed.

Do not tamper with the dry valves or security seal. Do not contaminate the drum with water or any foreign matter. After each use of the product ensure that the dry valve coupler, delivery system and hoses are disconnected, triple rinsed with clean water and drained. Add the rinsings to the spray tank. When the drum is empty close all valves and return to the point of purchase. The drum remains the property of Dow AgroSciences and must be returned.

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GMID:



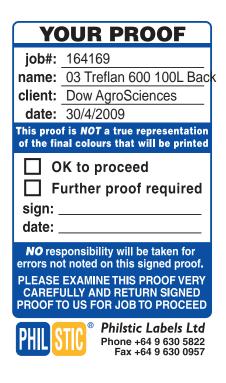
D.O.M./Batch No:



APVMA Approval No: 62809/100/0509

200mm wide

## 100% Scale on A3





Dieline



EXAMPLE OF THE DEPENDENCE OF	LIFT FOR FULL INSTRUCTIONS	190mm deep
Description       Constituents		

200mm wide

## 100% Scale on A3





Black



**PMS 158** 

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Store in the closed original container in a dry cool well-ventilated area. Do not store for prolonged periods in direct sunlight. Do not store below  $5^{\circ}$ C.

Do not store near food, feedstuffs, fertilisers or seed.

Empty contents fully into application equipment. Close all valves and return to point of supply for refil or storage.

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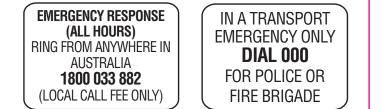
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GMID:



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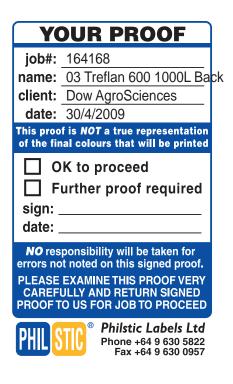


APVMA Approval No: 62809/1000/0509

190mm deep

200mm wide

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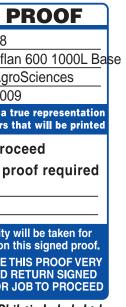


Dieline



	<b>CAUTION</b> KEEP OUT OF REACH OF CHILDREN		100% \$ YOU job#: 16
	READ SAFETY DIRECTIONS BEFORE OPENING OR USING <b>Dow AgroSciences</b>		name: 05 client: 0c date: 5/( This proof is of the final c
	Treflan <sup>™</sup> 600		OK t OK t Sign: date: NO respon
III III WALTIFOLD"		188mm deep	errors not no PLEASE EXA CAREFULL PROOF TO U
	Herbicide         ACTIVE CONSTITUENT:       600 g/L TRIFLURALIN         SOLVENT:       100 g/L LIQUID HYDROCARBON	188n	
	<b>GROUP D HERBICIDE</b> For the pre-emergent control of certain annual grasses and broadleaf weeds in horticultural and agricultural crops as specified in the Directions for Use		D
	IMPORTANT: READ THE ATTACHED BOOKLET BEFORE USE.		В
	Dow AgroSciences Australia Limited ABN 24 003 771 659 20 Rodborough Road FRENCHS FOREST NSW 2086 www.dowagrosciences.com.au CUSTOMER SERVICE TOLL FREE 1-800 700 096 ™Trademark of DowAgroSciences		
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## let Position 188x160mm

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





## Herbicide

ACTIVE CONSTITUENT: SOLVENT: 600 g/L TRIFLURALIN 100 g/L LIQUID HYDROCARBON

GROUP | HERBICIDE

For the pre-emergent control of certain annual grasses and broadleaf weeds in horticultural and agricultural crops as specified in the Directions for Use.

IMPORTANT: READ THIS BOOKLET BEFORE USE.



Dow AgroSciences Australia Limited ABN 24 003 771 659 20 Rodborough Road FRENCHS FOREST NSW 2086 www.dowagrosciences.com.au CUSTOMER SERVICE TOLL FREE 1-800 700 096

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#### DIRECTIONS FOR USE

**RESTRAINTS:** This product must be incorporated into the soil within 4 hours of application. This product must only be used in Agitated Spray Tanks.

1. FIELD CROPS

SITUATION						CRITICAL COMMENTS
& CROP			LIGHT	MED	HEAVY	
Chickpeas	Annual Ryegrass, Paradoxa Grass (Canary Grass), Wireweed (Hogweed), Black Pigweed, suppression of Climbing Buckwheat (Black Bindweed), Wild Oats	Qld only	1-1.4 L/ha	1-1.4 L/ha	1-1.4 L/ha	Use 1 L/ha when applying immediately prior to sowing. Use 1.4 L/ha when applying to dry soil before the planting rain.
	Annual Ryegrass, Wireweed (Hogweed), Deadnettles and Wild Oats	Vic only		40 mL/ha plu i triallate (50		Incorporate as per recommendations for wheat, barley and triticale.
	Red & White Fumitory, Rough Poppy, Wireweed (Hogweed), Annual Ryegrass, Barley Grass, Canary Grass, Sand Fescue, suppression of Deadnettle, Speedwell, Three Cornered Jack, Yellow Burr Weed, Brome Grass, Cereal Oats and surface Wild Oats	SA only	1 L/ha	1 L/ha	1 L/ha	Apply to level seed bed 0 to 4 weeks before sowing. See Incorporation Table direction 6 for method of incorporation.
Adzuki Beans Cowpeas Lablab Mung Beans Borlotti Beans Red Kidney Beans	<i>Amaranthus</i> , Annual Ryegrass, Barnyard Grass, Caltrop, Crab Grass, Paradoxa Grass (Canary Grass), Pigweed, Wild Oats, Winter Grass, Wireweed (Hogweed), suppression of Fumitory	ACT, NSW only ACT, NSW, Qld only	960 mL- 1.2 L/ha	1.2 L/ha	1.35 L/ha	Apply from 4 weeks up to just prior to sowing. See Incorporation Table directions 3, 4 or 5 for method of incorporation.
Faba Beans	Annual Ryegrass, Barley Grass, Capeweed, Corn Gromwell (Sheepweed), Fumitories, Geranium, Ivy Leaf Speedwell, Mustards, Turnips, Wireweed (Hogweed), suppression of Brome Grass, Soursob and Wild Oats	SA, WA only	640 mL/ha plus 1.1 kg/ha simazine (900g/kg)			Apply to bare moist soil and incorporate to a depth of 5 cm jus prior to sowing. Incorporation should be made within 4 hours of application. Application should not be made to ridged or excessively cloddy soil. For full reliable results, significant rainfall (20 or 30 mm) is necessary withir 2-3 weeks of application.

#### 1. FIELD CROPS (continued)

SITUATION	WEEDS CONTROLLED	STATE	RA	TE/ SOIL TY	PE	CRITICAL COMMENTS
& CROP			LIGHT	MED	HEAVY	
Pigeon Peas	Amaranthus, Barnyard Grass, Canary Grass, Crowsfoot Grass, Pigweed, Spiny Burrgrass, Summer Grass, Wild Oats, Wireweed (Hogweed), suppression of Yellow Vine (Caltrop), From seed only: Columbus Grass, Guinea Grass, Johnson Grass, Liverseed Grass	ACT, NSW, only	960 mL/ha	1.2 L/ha	1.35 L/ha	Apply between 4 weeks and just before sowing. See Incorporation Table directions 3, 4 or 6.
Lentils	Annual Phalaris, Annual Ryegrass, Wild Oats, Wireweed (Hogweed)	ACT, NSW, only	640 mL/ha			Apply 1 to 4 weeks before sowing.
	Red and White Fumitory, Rough Poppy, Wireweed (Hogweed), Barley Grass	SA only	1 L/ha	1 L/ha	1 L/ha	
Navy Beans	Annual Ryegrass, Barnyard	All	960 mL/ha	1.2 L/ha	1.35 L/ha	Spray between 4 weeks and just
Soybeans	Grass, Canary Grass, Caltrop (Bullhead/Yellow Vine), Crab Grass, Mossman River Grass (Innocent Weed), Pigweed, Redroot ( <i>Amaranthus</i> ), Redshank (Prince Of Wales Feather), Summer Grass, soil surface Wild Oats, Winter Grass, Wireweed (Hogweed), From seed only: Columbus Grass, Guinea Grass, Johnson Grass, Liverseed Grass ( <i>Urochloa</i> )		960 mL/ha		1.85 L/ha	before sowing takes place. See Incorporation Table directions 3, 4 or 5.
Vetch	Annual Ryegrass, Deadnettle, Wireweed (Hogweed), soil surface Wild Oats, suppression of Brome Grass, Rough Poppy, Speedwell, Three Cornered Jack, Yellow Burr Weed, Sheepweed	SA, WA only	1.35 L/ha	1.35 L/ha	1.35 L/ha	Apply to level seedbed 0 to 4 weeks before sowing. See Incorporation Table direction 6 for method of incorporation.

#### 1. FIELD CROPS (continued)

SITUATION	WEEDS CONTROLLED	STATE	RATE/ SOIL TYPE			CRITICAL COMMENTS
& Crop			LIGHT	MED	HEAVY	
Cotton	Annual Ryegrass, Barnyard Grass, Canary Grass, Caltrop (Bullhead/ Yellow Vine), Crab Grass,	NSW, QId, WA only	960 mL/ha	1.35 L/ha	1.85 L/ha	Spray between 6 weeks and just before sowing takes place. See Incorporation Table directions 1 & 2.
Legume seed crop establishment	Mossman River Grass (Innocent Weed), Pigweed, Redroot ( <i>Amaranthus</i> ), Redshank (Prince Of Wales	ACT, NSW, SA, Tas,	960 mL/ha	960 mL/ha	1.35 L/ha	Autumn Sowing – Apply from 4 weeks to 1 week before sowing takes place. See Incorporation
Annual Medics Clover	Feather), Summer Grass, soil surface Wild Oats.	Vic, WA only	960 mL/ha	1.35 L/ha	1.35 L/ha	Table direction 6 for method of incorporation.
(Berseem, Red Strawberry, Sub and White) Lucerne	Winter Grass, Wireweed (Hogweed), Black Pigweed (Qld only), <i>Phalaris</i> spp.					<b>Spring Sowing</b> – Apply between 4 weeks and 3 days before sowing takes place. See Incorporation Table direction 6 for method of incorporation.
Lucerne for hay and seed crops	Fumitory From seed only: Columbus Grass, Guinea Grass, Johnson Grass, Liverseed Grass ( <i>Urochloa</i> )	All States				In both cases seedling disease, cold weather, excessive moisture, high salt concentrations and drought could weaken crop seedlings and damage could occur from the use of this product. Temporary crop suppression could result.
Linseed		ACT, NSW, SA, Vic, WA only	960 mL/ha	1.2 L/ha	1.35 L/ha	Spray 2-4 weeks before sowing. Sowing depth should be 1.3–2.5 cm. Deeper sowing may result in some stand reduction. See Incorporation Table direction 6 for method of incorporation.
Peanuts		Qld, WA only	960 mL/ha	1.2 L/ha	1.35 L/ha	Spray between 4 weeks and just before sowing takes place. See Incorporation Table directions 3, 4 or 5.
Peas		All				Spray between 4 weeks and just
Canola Safflower		States				before sowing takes place. See Incorporation Table directions 6 or 11.
Sugar Cane		NSW, Qld	2.4 L/ha	2.4 L/ha	2.4 L/ha	Apply to plant cane after emergence to 'out of hand'
-Early season -Late season		only	1.85 L/ha	1.85 L/ha	1.85 L/ha	stage. Apply to ratoon cane immediately after harvest. See Incorporation Table directions 3, 4 or 10.

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#### 1. FIELD CROPS (continued)

1.	FIELD	CROPS	(continued)
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SITUATION	WEEDS CONTROLLED	STATE	RA	TE/ SOIL TY	(PE	CRITICAL COMMENTS	SITUATION	WEEDS CONTROLLED	STATE	RA	TE/ SOIL TY	'PE	CRITICAL COMMENTS	
& CROP			LIGHT	MED	HEAVY		& CROP			LIGHT	MED	HEAVY		
Sunflowers Lupins	See weeds on the previous page	All States	960 mL/ha	1.2 L/ha	1.35 L/ha	Spray between 4 weeks and just before sowing takes place. See Incorporation Table directions 3, 4 or 5 for method of incorporation. Spray between 4 weeks and just before sowing takes place. See Incorporation Table direction 6 for suitable of incorporation.	Lupins ( <i>Cont</i> )	Capeweed, Doublegee (Spiny Emex), Wild Radish, Wild Turnip plus suppression of Annual Ryegrass, Wild Oats, Brome Grass	WA only ( <i>Cont</i> )		1 L/ha plus a diuron (9		DO NOT use on white or grey sands as severe crop damage may result. Use tank mix of diuron & Treflan™ 600 where annual ryegrass is present. Apply at pre-sowing stage. See the Incorporation Table direction 13.	
						WA only: Use higher rate for heavier stubble coverage. Stubble coverage above 40%-50% ground cover can reduce weed control below acceptable levels. See Incorporation Table direction 13 for method of incorporation		Ded 9 White Euroitemy Deuroh	SA only	1 1 4 1 //	1-1.4 L/ha		For post sowing pre-emergent application ensure seed is adequately covered with soil. See Incorporation Table directions 12 and 13.	
Lupins	Annual Grasses and Broadleaf Weeds	ACT, NSW, Qld, Vic only	1.7 kg/ha	40 mL/ha pli a simazine (S	900 g/kg)	Use a low volume boom applying 50-100 litres spray mixture per hectare. Apply to bare moist soil and incorporate to a depth of 5 cm just prior to sowing the crop. Incorporate within 4 hours of application. DO NOT apply to a ridged soil.		Red & White Fumitory, Rough Poppy, Wireweed (Hogweed), Barley Grass, Canary Grass, Annual Ryegrass, Sand Fescue, suppression of Deadnettle, Speedwell, Three Cornered Jack, Yellow Burr Weed, Brome Grass, Cereal	SA UIIIy	1-1.4 L/IIa	1-1.4 L/IIa	1-1.4 L/IIa	Spray between 4 weeks and just before sowing takes place. See Incorporation Table direction 6.	
	Capeweed, Turnip, Radish, Doublegee (Spiny Emex), suppression of Annual Ryegrass Wild Oats	WA only		1 L/ha plus 330 g/ha sim (900 g/kg)		Rate for yellow sands. See Incorporation Table directions 11, 12 or 13.			Oats, soil surface Wild Oats Above weeds plus Capeweed, Common Fumitory, Geranium, Indian Hedge Mustard,			l a to 1.4 L/ha /ha simazine		Use a low volume boom applying 50-100 litres spray mixture per hectare. Apply to bare moist
	As above plus suppression of Brome Grass.			1 L/ha plus a simazine (		Rate for all other soil types. Apply to bare moist soil and incorporate to a depth of 5 cm just prior to sowing. Incorporation should be made within 4 hours of application.		Sheepweed, Shepherd's Purse, Toadrush, Turnips, suppression of Ice Plant, Soursob					soil and incorporate to a depth of 5 cm just prior to sowing the crop. Incorporate within 4 hours of application. Do not apply to a ridged soil.	
						Applications should not be made to ridged or excessively cloddy soil. For simazine to be effective sufficient rainfall (20-30 mm) to wet the soil through the weed root zone	Tobacco	Summer Grass, Crowsfoot Grass, Red Natal Grass, Love Grass, Button Grass, Rhodes Grass, Pigweed		640 mL/ha	960 mL/ha		Apply to soil 3-4 weeks prior to transplanting. The longer period to be used for applications made during June & July. Incorporate to a depth of 10 cm.	
						is necessary within 2-3 weeks of application. Results with simazine can be variable if seasonal conditions are dry prior to sowing and lupins are sown into dry or low moisture seed beds.		Crowsfoot Grass	NSW only			960 mL/ha	Apply to light sandy soil 2-3 weeks before transplanting. DO NOT incorporate to a depth greater than 6 cm. Apply to loam (medium soil) 2-3 weeks before transplanting. DO NOT incorporate to a depth of greater than 6 cm.	

#### 1. FIELD CROPS (continued)

SITUATION	WEEDS CONTROLLED	STATE	RA	TE/ SOIL TY	'PE	CRITICAL COMMENTS
& CROP			LIGHT	MED	HEAVY	
Wheat Barley Triticale	Annual Ryegrass, Wireweed (Hogweed), <i>Phalaris</i> spp.	ACT, NSW, Vic, WA only	640 mL/ha	640 mL/ha	640 mL/ha	Apply 1-4 weeks before sowing. Sowing depth should be at least 5 cm. Use cover harrows behind combine. Ground should be left
	Fumitory	WA only				flat. DO NOT use pre-sowing on self-mulching soils as damage
1.Pre-Sowing only	Canary Grass	Vic only				may occur from wheel tracking and poor control of wild oats. See Incorporation Table direction 6.
2.Pre-Sowing and Post-Sowing (self-mulching soils)	As above, except for Fumitory	Vic only	640 mL/ha	640 mL/ha	640 mL/ha	<b>Pre-Sowing:</b> Apply more than 4 weeks before sowing to prevent crop damage. <b>Post-Sowing:</b> Apply within 2 days after sowing to well prepared seedbed. See Incorporation Table direction 6.
Wheat	Annual Ryegrass, Paradoxa Grass (Canary Grass), Wild Oats, Wireweed (Hogweed)	Qld only	640 mL/ha	640 mL/ha	640 mL/ha	On non self-mulching soils apply 1-4 weeks before sowing. Sowing depth should be at least 5 cm. Use cover harrows behind combine. Ground should be left flat. On self-mulching soils, as above apply more than 4 weeks before sowing to prevent crop damage. See Incorporation Table method 6.
Barley						Apply to self-mulching and non self-mulching soils from 1-4 weeks before sowing. Sowing depth should be at least 5 cm. Use cover harrows behind combine. Ground should be left flat. See Incorporation Table 6.
Wheat Triticale Rye	Annual Ryegrass, Red & White Fumitory, <i>Phalaris</i> spp., Wireweed (Hogweed), suppression of Deadnettle, Rough Poppy, Yellow Burr Weed	SA only				Apply 1-4 weeks before sowing. Sowing depth should be at least 5 cm. Use cover harrows behind combine. Ground should be left flat. DO NOT use pre- sowing on self-mulching soils as
Barley	As above for SA plus Sand Fescue and suppression of Brome Grass		1 L/ha	1 L/ha	1 L/ha	damage may occur from wheel tracking and poor control of wild oats. See Incorporation Table method 6.

#### 1. FIELD CROPS (continued)

SITUATION	WEEDS CONTROLLED	STATE	RAT	E/ SOIL T	YPE	CRITICAL COMMENTS
& CROP			LIGHT	MED	HEAVY	
Wheat Triticale only	Annual Phalaris	ACT, NSW only	64 20 g chloi	0 mL/ha p rsulfuron (		If possible, spray and incorporate into the soil in one operation. If this is not possible incorporation should take place within 4 hours of spraying. Delay may cause inferior weed control.

2. FIELD CROPS: PRE-SOWING OR INCORPORATED BY SOWING (IBS) (Using Incorporation Table Method 13)

SITUATION & Crop	WEEDS CONTROLLED	STATE	Rate (L/ha)	CRITICAL COMMENTS
Wheat Barley Triticale	Annual Ryegrass, Wireweed (Hogweed), <i>Phalaris</i> spp. Fumitory	NSW, SA, Vic, WA only	1.2 -1.6 L	Use higher rate on lighter sandy and sandy loam soils. DO NOT use on heavy soils. Use with knife/blade point sowing equipment. Use higher rate for heavier stubble coverage. Stubble coverage above 40%-50% ground cover can reduce weed control below acceptable levels. See Incorporation Table method 13.
Chickpeas		WA only	1 to 1.4 L plus 1.1 kg/ha simazine (900 g/kg)	Incorporate as recommended in Incorporation Table method 13.

#### 3. VEGETABLES, ORCHARDS AND VINEYARDS

CROP	WEEDS CONTROLLED	STATES	RATE/ SOIL TYPE			CRITICAL COMMENTS
			LIGHT	MED	HEAVY	
Transplants only Broccoli Cabbage Cauliflowers Tomatoes Direct Seeded only Broccoli Brussels Sprouts Cabbage Cauliflower Carrots Chicory	Annual Ryegrass, Barnyard Grass, Canary Grass, Caltrop (Bullhead/Yellow Vine), Crab Grass, Mossman River Grass (Innocent Grass), Pigweed, Redroot ( <i>Amaranthus</i> ), Redshank (Prince of Wales Feather), Summer Grass, Wild Oats, Winter Grass, Wireweed (Hogweed) From seed only: Columbus Grass, Guinea Grass, Johnson Grass, Liverseed Grass ( <i>Urochloa</i> )	Vic only All States Vic only	1 L/ha	1.4 L/ha	1.85 L/ha	Spray between 4 weeks and just before sowing takes place. See Incorporation Table methods 3, 4 or 5.
Green Beans		All States	1 L/ha	1.2 L/ha	1.4 L/ha	
Orchards & Vineyards		Qld, SA, Tas, Vic, WA only	1 L/ha	1.4 L/ha	1.85 L/ha	Apply to new planting during pre-plant cultivation. Apply to established crops in spring after weeds and green manure crop has been ploughed into ground. See Incorporation Table methods 8 or 9.

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

WITHHOLDING PERIOD: NOT REQUIRED WHEN USED AS DIRECTED.

#### **GENERAL INSTRUCTIONS**

THIS PRODUCT MUST BE INCORPORATED INTO THE SOIL WITHIN 4 HOURS OF APPLICATION, EXCEPT WHERE THE CROP IS SOWN WITH MINIMUM TILLAGE SOWING EQUIPMENT (FITTED WITH KNIFE POINTS OR BLADES LESS THAN 12 MM WIDE, USUALLY WITH PRESS WHEELS) WHERE APPLICATION MAY OCCUR UP TO 24 HOURS BEFORE INCORPORATION BY THE SOWING PROCESS.

#### **INCORPORATION TABLE**

- 1. Prior to furrowing out: 2 workings at an angle required using Offset or Tandem disc harrows.
- 2. After furrowing out: 2 workings required using Go-Devil discs or Lilliston cultivators set at 10 cm depth.
- 3. Rotary Hoe: 1 working required at 5-7.5 cm depth. Sugar Cane: 7.5-13 cm depth.
- 4. Offset or Tandem Disc Harrows: (preferably with spiked harrows in tandem) 2 workings at an angle required at 7.5-15 cm depth at 6.5-10 km per hour.
- 5. Heavy Diamond or Stump Jump Harrow: (weighted 20-30 kg per section) at 10-13 km/hr speed. Then cross work with offset or tandem disc harrows set to 7.5-15cm depth at speed 6.5-10 km per hour.

- 6. Weighted Heavy Diamond or Stump Jump Harrow: (weighted 20-30 kg per section) at 10-13 km/hr speed. Cross work with combine at 5-7.5 cm depth at speed 10-13 km per hour.
- 7. Disc Ratoon Cultivator: 2 workings needed with discs and cultivator set at 7.5-13 cm depth.
- 8. Offset or Tandem Disc Harrows: set at 7.5-15 cm depth. A second discing is required working opposite direction with discs set to throw treated soil into tree or vine row.
- 9. Rotary Hoe: 1 working needed at 5-10 cm depth.
- 10. Offset Discs (Bumpers): 2 workings needed at depth of 7.5-13 cm.
- 11. Incorporation by sowing (IBS) on suitably prepared seed bed with heavy diamond harrows trailing or as a separate operation.
- 12. **Post-sowing/Pre-emergence:** Use heavy diamond harrows cross working at right angles to the direction of sowing. Do not attempt this method of incorporation on poorly prepared, clumpy or cloddy soils.
- 13. Incorporation by sowing (IBS) with knife or blade points. Use press wheels to avoid dragging treated soil back into the seed furrow. Maintain slow to moderate speed to ensure that soil throw is not into adjacent furrows. Note: (a) Knife or blade point systems can result in poor weed control in the seed furrow as chemical displacement from this zone occurs. Stubble coverage above 40%-50% ground cover can reduce weed control below acceptable levels. (b) A knife or blade point of 12 mm or less, has no wings, inverted T or blade, and is generally placed on a minimum 200 mm tyne spacing.

#### MIXING

This product is an emulsifiable concentrate which mixes readily with water. Add the recommended amount to the spray tank during filling operation and apply 70-450 L of water per hectare (broadcast basis) dependent on soil type. Under hot conditions or where possible, spray and incorporate into the soil in one operation. Delay may cause inferior weed control. Use properly calibrated standard low pressure (170-340 kilopascal) boom type sprayer with fan tips.

**Ensure adequate agitation is continued throughout the operation.** Leaving the prepared spray mixture for long periods of time without agitation is not recommended.

#### **CONDITIONS FOR BEST RESULTS**

This product must be thoroughly incorporated as recommended. Soil should be well worked and free of weeds at time of application. Product effectiveness may be reduced by inadequate incorporation, high organic matter, excess clods, crop or trash residues, stones or other foreign matter and in areas of unnaturally high weed seed population such as header tracks or livestock rest areas. Treflan 600 is volatile and disappears from exposed surfaces. Loss is hastened by high temperatures, winds or warm moist soil.

#### INTEGRATED WEED MANAGEMENT

The use of Integrated Weed Management (IWM) techniques in conjunction with Treflan 600 is always recommended. Agronomic practices that reduce the weed seed bank in the soil prior to the use of Treflan 600 will result in higher weed control levels from Treflan 600. Failure to use Agronomic and IWM practices that reduce the weed seed bank in the soil will result in higher weed seed populations. Paddocks with excessively high weed seed banks may have sufficient weed numbers surviving such that final weed control may be considered below a commercially acceptable level and additional herbicide treatments may be necessary. The use of IWM techniques will also reduce the potential for the development or survival of Group D herbicide resistance weed biotypes.

#### WILD OATS

Germinating wild oat seeds lying on soil surface will be controlled. Therefore, specific oat control is only possible with shallow cultivation. Poor control will occur on self-mulching soils and all soil types where deep cultivation is practised.

#### COMPATIBILITY

This product may be mixed in the spray tank with:

Herbicides: Broadstrike<sup>™</sup>, Spinnaker<sup>®</sup>, chlorsulfuron, cyanazine, diuron, metribuzin, paraquat, simazine, triasulfuron and triallate. Insecticides: Lorsban<sup>™</sup> 500 EC, endosulfan.

#### NOTE:

- 1. As formulations of other manufacturers' products are beyond the control of Dow AgroSciences all mixtures should be tested on a small scale before mixing in the spray tank.
- 2. Tank mixing instructions:

Fill the spray tank 1/4 full of water and agitate. Add wettable powders and water dispersible granules first. Agitate until these are uniformly dispersed, mean while adding water until the tank is 90% full. Add suspension concentrates (flowables) then soluble concentrates. Emulsifiable concentrates go in last. Top off the tank with water and continue agitation until all the ingredients are properly mixed. Observe any mixing sequence instructions mentioned on the tank mix products.

#### EQUIPMENT MAINTENANCE AND USAGE

Keep the spray unit for herbicides only if possible. Otherwise, spray tanks, pumps, lines and nozzles should be thoroughly rinsed several times with clean water following application. An equipment cleaning product such as Spraymate<sup>®</sup> Tank & Equipment Cleaner is suitable for this purpose and will also remove Treflan 600 stains.

GROUP

HERBICIDE

#### **RESISTANT WEEDS WARNING**

Treflan 600 Selective Herbicide is a member of the dinitronilines group of herbicides. The product has the inhibitors of tubulin formation mode of action. For weed resistance management, Treflan 600 is a Group D herbicide.

Some naturally-occurring weed biotypes resistant to Treflan 600 and other Group D 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. hese resistant weeds will not be controlled by Treflan 600 or other Group D herbicides.

Since the occurrence of resistant weeds is difficult to detect prior to use, Dow AgroSciences accepts no liability for any losses that may result from the failure of Treflan 600 to control resistant weeds.

Strategies to minimise the risk of herbicide resistance are available. Contact your farm chemical supplier, consultant, local Department of Agriculture, or local Dow AgroSciences representative.

#### PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

DO NOT use in high winds.

DO NOT exceed rate specified, to avoid crop damage.

**DO NOT** plant sensitive grasses such as oats, sorghum, millets, *Phalaris* spp., ryegrass or wheat for 12 months following the use of this product, except where wheat follows wheat or other winter crops.

**DO NOT** plant oil seed poppies when a detectable residue of trifluralin is present in the soil. Levels as low as 0.02 ppm may interact with other unfavourable factors (moisture, stress, disease etc.) to reduce poppy growth and vigour.

**DO NOT** apply to orchards and vineyards after first flush of growth or when residues can lodge on or in fruit.

Reduced germination of wheat and barley may occur due to a combination of following circumstances and the use of this product:

- Short coleoptile cultivars
- Use of seed dressings (except Vitavax®)
- Shallow or uneven seedling depth

#### Drift Warning

**DO NOT** apply under meteorological conditions or from spraying equipment which could be expected to cause spray drift onto nearby susceptible plants, adjacent crops, crop lands or pastures.

#### PROTECTION OF WILDLIFE, FISH, CRUSTACEA AND ENVIRONMENT

 $\ensuremath{\text{D0 NOT}}$  contaminate streams, rivers, or waterways with the chemical or used containers.

#### **RE-ENTRY/RE-HANDLING STATEMENT**

**DO NOT** allow entry into treated areas until the spray has dried, unless wearing cotton overalls buttoned to the neck and wrist (or equivalent clothing) and chemical resistant gloves.

Clothing must be laundered after each day's use.

#### STORAGE AND DISPOSAL

Store in the closed original container in a dry cool well-ventilated area. Do not store for prolonged periods in direct sunlight.

Do not store below 5°C.

Do not store near food, feedstuffs, fertilisers or seed.

The method of disposal of the container depends on the container type. Read the STORAGE and DISPOSAL instructions on the label that is attached to the container.

#### SPILL AND LEAK MANAGEMENT

Do not touch or walk through spilled material. Wear a face shield or goggles, overalls buttoned to neck and wrist, chemical resistant gloves and footwear. Stop leak when safe to do so. Dam area and prevent entry into waterways, and drains. **Small spills/leaks:** Absorb with material such as sand, soil or sawdust. Collect spilled product and place in sealable container for disposal. Spill residues may be cleaned using water and detergent. Contain and absorb wash water for disposal. Absorb and collect washings and place in the same sealable container for disposal. Dam the area of large spills and report them to Dow AgroSciences Emergency Services at 1-800 033 882.

#### SAFETY DIRECTIONS

- Harmful if swallowed.
- Poisonous if inhaled
- Will damage eyes
- Will irritate the skin.
- May irritate nose and throat.
- Repeated exposure may cause allergic disorders.
- Avoid contact with eyes and skin.
- Do not inhale vapour or spray mist.
- If product or spray on skin, immediately wash area with soap and water.
- When opening the container, preparing spray and using the prepared spray, wear cotton overalls buttoned to the neck and wrist and a washable hat and elbow length chemical resistant gloves goggles and half facepiece respirator.
- If product or spray in eyes wash it out immediately with water.
- 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, goggles, respirator and if rubber wash with detergent and warm water and contaminated clothing.

#### FIRST AID

- If poisoning occurs contact a Doctor or Poisons Information Centre. Phone: Australia 13 11 26.
- If swallowed DO NOT induce vomiting. Give a glass of water.

#### **MATERIAL SAFETY DATA SHEET**

• A Material Safety Data Sheet for **TREFLAN 600 HERBICIDE** is available from Dow AgroSciences on request. Call Customer Service Toll Free on 1-800 700 096 or visit www.dowagrosciences.com.au

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