

Company Name: SINON AUSTRALIA PTY LIMITED

APVMA Approval No: 68893/100502

Product ID: 68893



RLP  
Approved



<b>Label Name:</b>	Sindicate 600 EC HERBICIDE
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<b>Signal Headings:</b>	POISON KEEP OUT OF REACH OF CHILDREN READ SAFETY DIRECTIONS BEFORE OPENING OR USING
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<b>Constituent Statements:</b>	600 g/L TRICLOPYR PRESENT AS THE BUTOXYETHYL ESTER
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<b>Mode of Action:</b>	<table border="1"><tr><td>GROUP</td><td>1</td><td>HERBICIDE</td></tr></table>	GROUP	1	HERBICIDE
GROUP	1	HERBICIDE		

<b>Statement of Claims:</b>	For the control of a range of woody weeds and melons as specified in the Directions for Use table.
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<b>Net Contents:</b>	10L 200L 20L 5L
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<b>Name and Address:</b>	Sinon Australia Pty Limited Sinon Australia Pty Limited 1.03/33 Lexington Drive Bella Vista NSW 2153 TEL: 02 8883 0239
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<b>Restraints:</b>	DO NOT apply to weeds which may be stressed (not actively growing) due to prolonged periods of extreme cold, moisture stress (water-logged or drought affected), poor nutrition, presence of disease, or previous herbicide treatment as reduced levels of control may result. DO NOT spray if rain is likely within one hour or if foliage is wet from rain and dew. However, when tank mixed with Glyphosate 450, this time extends to 6 hours.
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	DO NOT burn off, cut or clear blackberry or other woody weeds for six months after spraying.
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<b>Directions for Use:</b>	This section contains file attachment. <b>File Name:</b> Syndicate 600 EC Herbicide Directions For Use.pdf <b>File Size:</b> 46422 bytes
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<b>Other Limitations:</b>	IN TASMANIA FOR BLACKBERRY: DO NOT TREAT BUSHES CARRYING MATURE OR NEAR MATURE FRUIT.  FOR NATIVE VEGETATION: USE OF TRICLOPYR 600 EC ON NATIVE VEGETATION MUST BE DONE IN ACCORDANCE WITH STATE AND/OR LOCAL LEGISLATION.
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<b>Withholding Periods:</b>	WITHHOLDING PERIODS: PASTURE: NOT REQUIRED WHEN USED AS DIRECTED SORGHUM: NOT REQUIRED WHEN USED AS DIRECTED
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<b>Trade Advice:</b>	
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<b>General Instructions:</b>	This section contains file attachment. <b>File Name:</b> Syndicate GENERAL INSTRUCTIONS.docx <b>File Size:</b> 121166 bytes
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<b>Resistance Warning:</b>	<b>RESISTANT WEEDS WARNING</b> SINDICATE 600 EC Herbicide is a member of the Pyridines group of herbicides. The product has the disruptors of plant cell growth mode of action. For weed resistance management the product is a Group I herbicide. Some naturally-occurring weed biotypes resistant to the product and other Group I 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 SINDICATE 600 EC or Group I herbicides. Since the occurrence of resistant weeds is difficult to detect prior to use, Sinon Australia Pty Limited accepts no liability for any losses that may result from the failure of SINDICATE 600 EC to control resistant weeds.
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<b>Precautions:</b>	
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<b>Protections:</b>	This section contains file attachment. <b>File Name:</b> PROTECTION OF CROPS SINDICATE.docx <b>File Size:</b> 64711 bytes
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<b>Storage and Disposal:</b>	<b>STORAGE AND DISPOSAL</b> Store in the closed original container in a dry, cool, well-ventilated area away from children, animals, food, feedstuffs, seed and fertilisers. DO NOT store for prolonged periods in direct sunlight. Triple or preferably pressure rinse containers before disposal. Add rinsings to spray tank. DO NOT dispose of undiluted chemicals on-site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break,
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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.

**SMALL SPILL MANAGEMENT**

Wear protective equipment (see Safety Directions). Apply absorbent material such as earth, sand, clay granules or cat litter to the spill. Sweep up material for disposal when absorption is completed and contain in a refuse vessel for disposal (see Storage and Disposal section). If necessary wash the spill area with an alkali detergent and water and absorb wash liquid as above for disposal.

**Safety Directions:**

Poisonous if swallowed. May irritate the eyes and skin. Avoid contact with eyes and skin. When opening the container and preparing spray and using the prepared spray, wear cotton overalls buttoned to the neck and wrist and a washable hat and elbow-length rubber gloves. Wash hands after use. After each days use, wash gloves and contaminated clothing.

**First Aid Instructions:**

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia: 13 11 26).

**First Aid Warnings:**

## WOODY WEED SITUATIONS:

### A: High Volume Spraying

See General Instructions – Application section for application method details

AGRICULTURAL NON-CROP AREAS, COMMERCIAL AND INDUSTRIAL AREAS, FORESTS, PASTURES AND RIGHTS-OF-WAY				
WEEDS CONTROLLED	WEED GROWTH STAGE	STATE	RATE/100 L WATER	CRITICAL COMMENTS
African Boxthorn	Less than 2m tall	TAS only	170mL	
Angophora, Banksia regrowth	1 – 2m tall	All States	400 or 560mL	Use the higher rate on larger regrowth. Ensure the weed has dense foliage.
Blackberry	Active growth during late spring to early autumn.		170mL	Where herbicides other than Group I herbicides have been used, allow two seasons regrowth to occur before spraying with SINDICATE 600 EC. Any subsequent regrowth and seedlings should be sprayed after hardening off.
In association with St. John's wort	During flowering (Nov-Jan)	NSW, Vic, Tas only		Apply as a thorough foliage spray.
Brigalow	1 – 2m tall	NSW, QLD only		Use at least 1000 L of water/ha.
Brooms: English	Spring to mid-summer prior to pod formation	All states		
Camphor Laurel	Seedlings up to 3m tall			
Capeweed	Rosette	TAS only	80mL	
Common Prickly Pear	Active growth	All states	3L	
English Ivy	Active growth during late Spring to late Summer	VIC only	1L + 1L glyphosate (360g/L)	<b>DO NOT</b> treat ivy growing up trees or on other plants as death of the host may result. This mixture is not selective to grasses.
Eucalyptus	Seedlings and regrowth from small lignotubers 1 – 2m tall	QLD, SA WA NT only	400mL	Add a 100 % concentrate non-ionic surfactant at 100mL/100L of water for best results.
		NSW, VIC, TAS only	560mL	
Fennel	1 - 2 m tall	TAS only	170mL	
Green Cestrum		Qld, NSW, Vic only		Some regrowth may be expected the following season, which can be sprayed after hardening off.
Groundsel Bush ( <i>Baccharis halimifolia</i> )	Seedlings 1 - 2m tall	All States	160mL	
	2 - 3m tall		320mL	
Gorse	Spring to mid Summer		170mL or 340mL	Add a 100% concentrate non-ionic wetting agent at rate of 125mL/100L water. Retreatment of regrowth may be necessary. Use higher water rate on older hardened off plants.
Horehound	Rosette	TAS only	170mL	
Saffron Thistle	Up to bud stage		80mL	
Tiger Pear	Active growth	All states	3L	
Wattles, including Silver Wattle, Black Wattle	Seedlings 1 – 2m tall		160mL	
	2 – 3m tall		320mL	

**B: Aerial Application**

Helicopter (NSW, Vic, Tas, SA, WA only)

Helicopter or fixed wing aircraft (QLD only)

See General Instructions – Application section for application method details

AGRICULTURAL NON-CROP AREAS, COMMERCIAL AND INDUSTRIAL AREAS, FORESTS, PASTURES AND RIGHTS-OF-WAY.				
WEEDS CONTROLLED	WEED GROWTH STAGE	STATE	RATE/ha	CRITICAL COMMENTS
Blackberry	Late spring to Autumn	All States	4.8L	Avoid overspray/drift onto waterways.

**C: Controlled Droplet Application (C.D.A.)**

See General Instructions – Application section for application method details.

AGRICULTURAL NON-CROP AREAS, COMMERCIAL AND INDUSTRIAL AREAS, FORESTS, PASTURES AND RIGHTS-OF-WAY.				
WEEDS CONTROLLED	WEED GROWTH STAGE	STATE	RATE/1 L water	CRITICAL COMMENTS
Blackberry	Late Spring to Autumn	All States	170mL	

**D: Low Volume High Concentrate Application Techniques**

(Gas Powered Gun, Sprinkler Sprayer)

See General Instructions – Application section for application method details.

AGRICULTURAL NON-CROP AREAS, COMMERCIAL AND INDUSTRIAL AREAS, FORESTS, PASTURES AND RIGHTS-OF-WAY.				
WEEDS CONTROLLED	WEED GROWTH STAGE	STATE	RATE/10 L water	CRITICAL COMMENTS
Blackberry	Late Spring to Autumn	All States	280mL	
Eucalypt seedlings	1 to 2m tall		400mL	

**E: Basal Bark and Cut Stump Treatment**

See General Instructions – Application section for application method details

AGRICULTURAL NDN-CROP AREAS, COMMERCIAL AND INDUSTRIAL AREAS, FORESTS, PASTURES AND RIGHTS-OF-WAY.					
WEEDS CONTROLLED	WEED GROWTH STAGE	STATE	RATE /60L Diesel	CRITICAL CDMMMENTS	
African Boxthorn	<b>Basal Bark:</b> Plants up to 5cm basal diameter.	All States	2L		
Australian Blackthorn			1L		
Broom		TAS only	1.25L		
Brown Salwood		All States	0.5L		
Bitter Bark		<b>Cut Stump:</b> Plants up to and in excess of basal bark sizes.	Qld, NSW only		1L
Castor Oil			All States		
Chinese Apple					
Dawson Gum			Qld only		2L
Eucalypts (except Dawson Gum)			All States		1L
False Sandalwood					
Green Wattle					
Lantana					
Needlewood					
Olive			SA only		2L
Paperbark Teatree	NSW only	4L			
Rubbervine	All States	1L			
Silver Wattle					
Sweet Briar		2L			
Yellow-wood	Qld only				
Camphor Laurel	<b>Basal Bark:</b> Plants up to 10cm basal diameter.	Qld, NSW only	1L		
Common Prickly Pear	<b>Cut Stump:</b> Plants up to and in excess of basal bark sizes.	All States	0.8L	Apply as a thorough foliage spray	
Groundsel Bush ( <i>Baccharis halimifolia</i> )			0.5L	Treat from early summer rains to end of April when regrowth is apparent.	
Prickly Acacia					
Privet			5L	Treatment may be carried out at any time of the year.	
Smooth Tree Pear			0.8L	Apply as a thorough foliage spray.	
Tiger Pear					
Tree of Heaven			1L		
<b>FENCELINES AND FIRE TRAILS only</b>					
WEEDS CONTROLLED	WEED GROWTH STAGE	STATE	RATE/60L DIESEL	CRITICAL CDMMMENTS	
Broadleaf Hopbush Narrowleaf Hopbush Turpentine Bush	<b>Basal bark:</b> Plants up to 10cm basal diameter.	NSW only	1L		

**TABLE 2: CROPPING/FALLOW SITUATIONS: FALLOW, STUBBLE, FIREBREAKS**

See General Instructions – Application section for application method details.

<b>FALLOW, STUBBLE, FIREBREAKS</b>				
<b>WEEDS CONTROLLED</b>	<b>WEED GROWTH STAGE</b>	<b>STATE</b>	<b>RATE/ha</b>	<b>CRITICAL COMMENTS</b>
Camel (Afghan, Bitter) Melon ( <i>Citrullus lanatus</i> )	Up to 20cm diameter	Qld, NSW, Vic, Sa, WA only	120mL**	There are some strains of melon that are not controlled. Contact your Sinon representative for more information.  **Add a crop oil such as Uptake* Spraying Oil at 500mL/100L water or D-C-Trate* Crop Oil at 1L/100L water.  <b>DO NOT</b> use oils when tank mixing with Glyphosate 450 Herbicide. See Compatibility section. This mixture is not selective to grasses. When using SINDICATE 600 EC and Glyphosate 450 by aerial application, observance of a buffer zone of 150 meters to protect native tree species is required.
	Runners from 20 to 40cm diameter		160mL**	
Prickly Paddy Melon ( <i>Cucumis myriocarpus</i> )	Up to 20cm diameter		80mL**	
	Runners from 20 to 40cm diameter		160mL**	
<b>SORGHUM (Apply between 4 to 6 leaf stage, when secondary roots have developed.)</b>				
<b>WEEDS CONTROLLED</b>	<b>WEED GROWTH STAGE</b>	<b>STATE</b>	<b>RATE/ha</b>	<b>CRITICAL COMMENTS</b>
Prickly Paddy Melon	Up to 20cm diameter	Qld, NSW only	80mL	<b>DO NOT</b> add crop oils, as severe crop damage may occur. Fusing of sorghum prop roots may be observed and this may be worse under stress (e.g. root disease). Should only be mixed with Fluroxypyr 200 Herbicide and atrazine (500 g/L flowable only) for increased weed spectrum.

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

## GENERAL INSTRUCTIONS

### COMPATIBILITY

#### Fallow Situations:

SINDICATE 600 EC Herbicide is compatible with the following products: Clopyralid 300 Herbicide, Fluroxypyr 200 Herbicide, Glyphosate 450 Herbicide, Glyphosate 490 Herbicide, Touchdown\* Broadacre, 2,4-D amine or 2,4-D ester, Chlorpyrifos 500 Insecticide. When mixing with Glyphosate 450 Herbicide in fallow, refer to the Glyphosate 450 Herbicide label for use rate and adjuvants recommended.

**DO NOT** use Uptake\* Spraying Oil or D-C-Trate Crop Oil.

#### Sorghum:

SINDICATE 600 EC Herbicide is compatible with Fluroxypyr 200 and atrazine (500 g/L flowable product only).

PVC gloves are not recommended for SINDICATE 600 EC. Therefore, when tank mixing with products that need to be handled with PVC gloves, workers should wear nitrile gloves.

### MINIMUM RECROPPING PERIODS

Before using SINDICATE 600 EC in tank mixes with other herbicides, check the plant-back information on all product labels. The time between spraying and planting will be determined by the product with the longest plant-back period. Observe the following RE-CROPPING periods for TRICLOPYR 600 EC:

- |                                   |         |
|-----------------------------------|---------|
| • Wheat, barley, sorghum, maize   | 7 days  |
| • Chickpeas, soybeans, sunflowers | 7 days  |
| • Cotton                          | 14 days |

### MIXING

Half fill the spray unit with water and add the required amount of SINDICATE 600 EC. Add the remaining water with the agitator running. If required, then add crop oils or wetters (surfactants). Maintain mechanical or by-pass agitation in the spray tank during spraying. Only mix sufficient solution for immediate daily use and avoid storing.

### Basal Bark and Cut Stump Application

Quarter fill the spray unit or mixing container with diesel and add the required amount of SINDICATE 600 EC Herbicide. Add the remaining diesel and shake or agitate thoroughly to mix the contents. Periodically shake or agitate to stop product settling out. Only mix sufficient solution for immediate daily use and avoid storing.

### APPLICATION

#### 1. WOODY WEED SITUATIONS

Weeds need to be actively growing for herbicides to have optimum effect. Delay treatment until all regrowth has had time to grow to one metre high in situations which have been bulldozed, slashed, burnt, ploughed or areas having a previous chemical treatment.

##### A. High Volume Spraying

Thorough coverage of foliage and stems to the point of runoff is essential, however, avoid excess spraying which is wasteful of chemical.

##### Hand Gun

Apply the recommended mix to give full coverage of leaves and stems through a No. 6 to 8 tip at 700 - 1500 kPa. A spray volume of 3000 to 4000L per infested (30 to 40L/100m<sup>2</sup>) should be used on the weed infestation.

##### Knapsack

Used for smaller infestations, where penetration of the canopy is not essential. A spray volume of 3 to 4L/10m<sup>2</sup> of infested area should be used.

##### B. Aerial Application



Apply in 100 to 200L water/ha. Use a calibrated aircraft to apply in half overlap passes. Nozzle configurations should produce droplets of not less than 250 to 350 micron diameter (eg. D8/45). The potential for damage from drift can be greatly reduced by avoiding unsuitable spraying conditions and using spray pressure and nozzles to minimise the production of small droplets.

**DO NOT** spray when wind exceeds 10km/hr and/or air temperature reaches 30°C. Human flagging is not authorised unless protected by engineering controls such as vehicles with cabs.

#### **C. Controlled Droplet Application (C.D.A.)**

Results similar to high volume spraying can be obtained using Micron Herbi\* or similar equipment. Select a nozzle to give a flow rate of 2mL/sec and a sweeping action of approximately 1m/sec to ensure a droplet density of 20/cm<sup>2</sup>. Use a marking agent, as recommended by the manufacturers, to check spray coverage. Also, consult directions provided with C.D.A. unit.

#### **D. Low Volume High Concentrate Application Techniques**

Good control will be achieved, similar to high volume application, where bush size enables good coverage of the bush. Use a marking agent, as recommended by the equipment manufacturer, to check spray coverage.

##### **Gas Powered Gun**

Apply 50mL shots to obtain uniform coverage to 4 to 5m<sup>2</sup> of surface area of bush. This equates to 20 droplets/cm<sup>2</sup> of leaf surface.

##### **Sprinkler Sprayer**

This technique uses a micro sprinkler which is connected to a hollow fibre glass rod attached to a pressure knapsack sprayer. Use low pressures (50 - 200 kPa) and apply with a slow sweeping action over the top of the plants, ensuring even coverage of the leaves.

#### **E. Basal Bark and Cut Stump Treatment**

Mix SINDICATE 600 EC with diesel. The use of diesel as a herbicide carrier may affect the rubber seals in some sprayers. To avoid this, use sprayers which use Viton\* seals and fittings. When using SINDICATE 600 EC with diesel, nitrile gloves should be worn instead of rubber gloves.

##### **Basal Bark Method**

**DO NOT** apply to wet stems as this can repel the diesel mixture. Apply only with hand-directed equipment such as a pressure sprayer or a paint brush. Spray equipment should be used at low pressures, up to 200 kPa, to avoid excessive splashing or drift. Species with old, rough bark require more thorough wetting than smooth barked species.

Liberally spray or paint the bark around the stem from ground level up to 30cm high, wetting thoroughly to the point of run-off (unless otherwise stated).

##### **Cut Stump Method**

Stems should be cut less than 15cm above the ground. **Immediately** apply SINDICATE 600 EC diesel mixture **liberally** to the **freshly** cut stump by spraying or painting the cut surface and sides of the stem.

## **2. CROPPING/FALLOW SITUATIONS**

#### **A. Boom Application**

Application of SINDICATE 600 EC in a minimum spray volume of 50L/ha is recommended. Flat fan nozzles are recommended, using pressures in the range of 200-300 kPa. Boom height must be set to ensure double overlap of nozzle patterns.

#### **B. Aerial Application**

**DO NOT** allow SINDICATE 600 EC to physically drift onto desirable plants. Aircraft may be used to apply SINDICATE 600 EC in fallow situations, when ground application equipment cannot be used due to prolonged wet conditions. A minimum spray volume of 35 L/ha should be used with flat fan and CP nozzle configurations. **DO NOT** apply SINDICATE 600 EC by aircraft when wind exceeds 60km/h and/or air temperature reaches 30°C. Droplets with an

average size (or Volume Mean Diameter) of 250-350 micron diameter are recommended. Human flagging is not authorised unless protected by engineering controls such as vehicles with cabs.

#### **CLEANING SPRAY EQUIPMENT – WATER-BASED CLEANING**

##### **Rinsing**

After using SINDICATE 600 EC, empty the spray unit completely and drain the whole system. Thoroughly wash inside the spray unit using a pressure hose. Drain the spray unit and clean filters in the tank, pump, lines, hoses and nozzles.

After cleaning the spray unit as above, quarter fill with clean water and circulate through the pump, lines, hoses and nozzles. Drain and repeat the rinsing procedure twice.

##### **Decontamination**

Before spraying cotton and other sensitive crops, with equipment that has been used to apply SINDICATE 600 EC, see Protection of Crops, Native and Other Non-Target Plants section.

Wash the tank and rinse the system as above. Then quarter fill the tank and add an alkaline detergent (eg. liquid SURF\*, OMO\*, DRIVE\*, at 500mL/100L of water or the powder equivalent at 500g/100L of water) and circulate throughout the system for at least 15 minutes. Drain the whole system. Remove filters and nozzles and clean them separately. Finally flush the system with clean water and allow to drain.

**Rinse water should be discharged onto a designated disposal area or, if this is unavailable, onto unused land away from desirable plants and water courses.**

#### **DIESEL-BASED CLEANING**

##### **Rinsing**

After using TRICLOPYR 600 EC, empty the spray unit completely and drain the whole system. Thoroughly wash inside the spray unit using a pressure hose. Drain the spray unit and clean any filters in the tank, pump, lines, hoses and nozzles. On completion of spraying, use a degreaser such as Caltex Kwik-D-Grease\* to remove traces of diesel from the sprayer. Rinse tank and spray through the nozzles with water to remove degreaser.

##### **Decontamination:**

After the above, quarter fill the tank with clean water and add an alkali detergent (e.g. liquid SURF, OMO, OMOMATIC, DRIVE at 50mL/ 10L of water or the powder equivalent of 50g/10L of water). Shake or operate spray to circulate the washing solution throughout the sprayer and spray the solution through the nozzle. Rinse well with clean water to remove detergent. To clean brushes and container, spray liberally with degreaser. Hose off thoroughly with clean water and repeat using detergents (see above). **DO NOT** use this equipment for any other purpose.