

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

eChem  
**STAROXY 400**

HERBICIDE

**ACTIVE CONSTITUENT: 400g/L FLUROXYPIR**  
present as the Methylheptyl Ester  
**SOLVENTS: 316g/L LIQUID HYDROCARBON**  
**100g/L N-METHYL-2-PYRROLIDONE**

**GROUP 1 HERBICIDE**

For the control of a wide range of broadleaf weeds in Fallow, Lucerne, Maize, Millets, Pastures, Poppies, Sorghum, Sugar cane, Sweet corn, Winter Cereals. Also for the control of Woody Weeds in Agricultural Non-Crop areas, Commercial and Industrial Areas, Forests, Pastures and Rights-of-way, as specified in the Directions for Use.

**IMPORTANT: READ THIS LEAFLET BEFORE USE.**

eChem (Australia) Pty Ltd  
ACN 089 133 095  
Level 4, Lantos Place,  
80 Stamford Road, Indooroopilly, Qld, 4068  
Phone: 1300 781 649 Fax: 1300 781650

**DIRECTIONS FOR USE**

**RESTRAINTS**

DO NOT apply to plants 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.

Thorough coverage of both foliage and stems, to the point of runoff, is essential for high volume applications (see **GENERAL INSTRUCTIONS**; application methods **WOODY WEED SITUATIONS** section).

DO NOT spray if rain is likely to occur within one hour.

**Table 1: WOODY WEEDS IN AGRICULTURAL NON-CROP AREAS AND RIGHTS-OF-WAY, COMMERCIAL AND INDUSTRIAL AREAS, FORESTS AND PASTURES.**

• Legumes present at the time of spraying will be severely damaged.

HIGH VOLUME APPLICATION: Dilute product with water. See General Instructions – Application Method for application details				
WEEDS CONTROLLED	WEED GROWTH STAGE	STATE	RATE/100L WATER	CRITICAL COMMENTS
Bathurst burr Noogoora burr	Seedlings and young plants up to 40cm high	NSW, NT, Qld, WA only	38mL	Add Uptake* Spraying Oil (see <b>GENERAL INSTRUCTIONS</b> ; Oils and surfactants).
Black bindweed (climbing buckwheat)	Seedlings and young plants before flowering	NSW, Qld only	150mL	
Mimosa pigra	Apply from mid to late	NT, WA only	250mL	
Common sensitive plant	Seedlings and young plants up to flowering	Qld, WA only		
Bellyache bush		Qld, NSW, WA only		
Blackberry nightshade Bokhara clover		NSW, Qld only		
Caltrop (yellow vine) ( <i>Tribulus terrestris</i> ) ( <i>T. micrococcus</i> )	Seedlings and young plants up to 30cm diameter	NSW, Qld only		
Cobblers pegs	Up to 15cm high			
Cockspur thorn	Up to 3m high			
Creeping lantana	At flowering			
Crofton weed Mistflower	Seedlings and young plants up to flowering			
Docks ( <i>Rumex</i> spp.)	Seedlings and rosettes up to 30cm high			
Hexham scent	Seedlings and young plants up to flowering			
Honey locust	Seedlings and young plants up to 2m high			
Small flowered mallow ( <i>Marshmallow</i> ) ( <i>Malva parviflora</i> )	Seedlings and young plants up to flowering			
Yellowflower Devil's claw	Seedlings and young plants up to flowering			
Lantana	Seedlings and regrowth 0.5 to 1.2m high	NSW, Qld only	250mL	Apply to actively growing plants from October to April. Some regrowth may occur particularly when treating old woody plants with sparse canopies.
	Plants and regrowth 1.2 to 2m high			
	Flowering			
Blue heliotrope	Flowering	Qld only	500mL	Repeat applications will be necessary to control subsequent germinations.
Limebush	Infestations up to 1.5m high only			
Madeira vine	Apply at time of active growth			
Milkweed ( <i>Euphorbia heterophylla</i> )	3 leaf to flowering	NSW, Qld only	250mL	Add a surfactant (see <b>GENERAL INSTRUCTIONS</b> ; Oils and surfactants).
Common sowthistle	Seedlings and young plants up to bolting			
Mother-of-millions ( <i>Kalanchoe</i> spp.)	Seedlings and young plants before flowering			
Prickly acacia	Seedlings and young plants up to 2m high	Qld only	375mL	Add Uptake* Spraying Oil (see <b>GENERAL INSTRUCTIONS</b> ; Oils and surfactants). Consult Tropical Weeds Research Centre, Charters Towers, for specific advice on application.
<i>Sida</i> spp.	Seedlings and young plants up to flowering	NSW, NT, Qld, WA	500mL	Winter application only. Contact Alan Fletcher Research Station for more information.
Broadleaf Pepper tree ( <i>Schinus terebinthifolius</i> )	Mature leaves, fruiting	Qld only	250mL	
Flannel weed ( <i>Sida cordifolia</i> )		Qld, NT, WA	375mL	Add Uptake* Spraying Oil (see <b>GENERAL INSTRUCTIONS</b> ; Oils and surfactants).
Snakeweed (Dark and light blue)	Seedlings and young plants before flowering			
Stinking Passion Flower	Established plants and regrowth	All States	750mL	Some regrowth will usually occur and will require retreatment.
Wandering jew ( <i>Tradescantia albiflora</i> )	Young plants up to and including flowering	NSW, Qld only	250mL	Apply to actively growing plants when soil moisture is plentiful. Some regrowth may occur particularly when treating old woody plants with sparse canopies and under dry conditions.
Wattles (including <i>Acacia aulacocarpa</i> <i>A. decora</i> <i>A. harpophylla</i> <i>A. leiocalyx</i> <i>A. salicina</i> )	Seedling plants or regrowth 0.5 to 1.2m high	Qld only	500mL	
	Plants or regrowth 1.2m to 2.0 m high only			

**Table 1: WOODY WEEDS IN AGRICULTURAL NON-CROP AREAS AND RIGHTS-OF-WAY, COMMERCIAL AND INDUSTRIAL AREAS, FORESTS AND PASTURES.**

BASAL PARK AND CUT STUMP APPLICATION: Dilute product with diesel. See General Instructions – Application Method for application details				
WEEDS CONTROLLED	WEED GROWTH STAGE	STATE	RATE/100L DIESEL	CRITICAL COMMENTS
<i>Celtis</i> ( <i>Celtis sinensis</i> )	<b>Basal Bark only:</b> Young plants up to 2m high and 20cm basal diameter	Qld only	1.8L	Treat stems from ground level to where multi-stemmed trunks branch.
Chinee apple	Up to 15cm basal diameter	Qld, WA only	1.5L	With basal bark, treat circumference of stem to a height of 45cm from the ground. Contact the Land Protection Branch, Department of Natural Resources and Mines, Qld, for further information on Chinee Apple.
Cockspur thorn	<b>Basal Bark only:</b> Up to 15cm basal diameter			
Mimosa bush ( <i>Acacia farnesiana</i> )	Up to 5cm basal diameter	Qld, NSW only	1.5L	With basal bark, treat circumference of stem to a height of 45cm from the ground. For cut stump application use a rate of 5L/100L diesel for all plant sizes. Contact the Land Protection Branch, Department of Natural Resources and Mines, Qld, for further information on Honey Locust.
Prickly acacia	Up to 10cm basal diameter		750mL	
Honey locust	Plants up to 10cm basal diameter		1.5L	
	Plants 10 to 20cm basal diameter	Qld only	2.5L	Treat as an overall spray. Contact The Land Protection Branch, Department of Natural Resources and Mines, Qld for advice to control large infestations. Lever out centre of plant with crowbar and immediately treat the exposed cut area.
	Plants >20cm basal diameter		1.5L	
Sisal hemp ( <i>Agave</i> spp.)	All growth stages	Qld only	5mL undiluted product per plant	

BASAL PARK AND CUT STUMP APPLICATION: Dilute product with water. See General Instructions – Application Method for application details				
WEEDS CONTROLLED	WEED GROWTH STAGE	STATE	RATE/100L WATER	CRITICAL COMMENTS
<i>Mimosa pigra</i>	Actively growing plants	NT, WA only	1.5L	Aerial application: Add Uptake Spraying Oil at the rate of 1L/100L spray mix. Apply to actively growing plants from mid to late summer. Contact the Department of Primary Industries and Fisheries, NT for further information.

LOW VOLUME, HIGH CONCENTRATE APPLICATION: Use a drench gun or gas-powered gun. See General Instructions – Application Method for application details				
WEEDS CONTROLLED	WEED GROWTH STAGE	STATE	RATE/100L WATER	CRITICAL COMMENTS
Limebush	Isolated bushes up to 1.2m high only	NSW, Qld only	500mL	Apply a 50mL dose per 5m <sup>2</sup> of bush surface area.
Tree violet ( <i>Hymenanthera dentata</i> )	Apply from late flowering to green fruit up to 1.2m high	NSW only		Apply a 50mL dose per cubic metre of bush

**Table 2: ESTABLISHED GRASS PASTURES.**

WEEDS CONTROLLED	WEED GROWTH STAGE	STATE	RATE/100L DIESEL	CRITICAL COMMENTS
Blue billygoat weed. Common sensitive plant Giant sensitive plant Spinyhead sida	Apply before flowering	Qld, WA only	750mL	Add Uptake Spraying Oil at 1L/ha.
St John's wort	Apply from bud to full bloom (usually late Nov to early Jan)	ACT, NSW and Vic only	1.5L	Some regrowth will occur. Treat regrowth the following season for best results. Use at least 200L water/ha.
Silverleaf nightshade	From onset of flowering to early berry-set (usually spring to mid-summer)	NSW only	375mL or 190mL + 1.2-1.6L 2,4-D amine (625 g/L)	Add Uptake Spraying Oil at 1L/ha. To ensure maximum effect, delay application until the majority of shoots have emerged. Follow-up treatment of regrowth is critical for best control.

**Table 3: SORGHUM, MAIZE, MILLETS AND SWEET CORN (NSW & QLD ONLY).**

CROP	CROP GROWTH STAGE	WEEDS CONTROLLED	WEED GROWTH STAGE	RATE L/ha	CRITICAL COMMENTS		
Sorghum	Apply when secondary roots are present, from 4 fully expanded leaves (15cm tall) up to boot (also see CRITICAL COMMENTS)	Annual ground cherry Wild gooseberry ( <i>Physalis</i> spp.)	2 to 8 leaf. Up to 15cm tall	250mL	<b>Sorghum:</b> From 8 leaf to boot stage, use dropper nozzles to use dropper nozzles to prevent the herbicides coming in contact with the crop's leaves and the growing point (meristem). <b>Maize and sweet corn:</b> From 6 leaf to just before tasselling, prevent herbicide coming in contact with the crop's leaves and the growing point (meristem). <b>Millets: DO NOT:</b> use mixes with atrazine. (1) This treatment may be slightly damaging to the crop. To minimise crop damage apply using dropper nozzles at all crop stages.		
			15 to 30cm tall	375mL			
			Seedling plants up to 15cm tall	375mL			
		Maize & Sweet corn	Apply when secondary roots are present, from 3 fully expanded leaves (10cm tall) up to just before tasselling (see CRITICAL COMMENTS)	Pigweed ( <i>Portulaca oleracea</i> )		2 to 8 leaf. Up to 20cm tall	250mL
						20 to 50cm tall	375mL
						Up to 10cm diameter	250mL
Millets	Spray when secondary roots have developed, usually early to mid-tillering, and not later than before heads start to form at the base of tillers (see CRITICAL COMMENTS)	Sesbania pea Silverleaf nightshade (NSW only) (1) Starburr ( <i>Acanthospermum hispidum</i> ) (Qld only) Thornapples ( <i>Datura</i> spp.) Volunteer sunflower	Up to 10cm diameter	375mL			
			10 to 30cm diameter	375mL			
			2 to 6 leaf. Up to 10cm tall	750mL			
			Full flower to early berry	375mL + Uptake at 300mL/100L			
			Up to 12 leaf and before flowering	750mL + 1.6L atrazine (600g/L)			
			2 to 8 leaf. Up to 20cm tall	375mL			
			2 to 5 leaf. Up to 20cm tall	500mL			
STAROXY 400 in tank-mixes with atrazine: Sorghum, Maize and Sweet corn.							
Sorghum Maize & sweetcorn (continued)	Spray when secondary roots have developed, usually early to mid-tillering and not later than before heads start to form at the base of the tillers (See CRITICAL COMMENTS)	<i>Amaranthus</i> spp. Including: Boggabri weed, Dwarf amaranth, Green amaranth, Redshank, Anoda weed, Bladder ketmia, Black pigweed ( <i>Trianthema portulacastrum</i> ), Caltrop ( <i>Yarrow vine</i> ), including <i>Tribulus terrestris</i> , <i>T. micrococcus</i> and <i>T. maximus</i> , <i>Cowvine</i> (peach vine), ( <i>Ipomoea lanchophylla</i> ), Hair wandering jew ( <i>Commelina benghalensis</i> ) Mintweed	Seedling plants up to 15cm tall or rosettes up to 15cm diameter	250mL + 1.2L of atrazine flowable (600g/L) or 675g of Atrazine 900g/kg granules or 375mL + 1.6L of atrazine flowable (600g/L or 1.1kg of Atrazine 900g/kg granules)	<b>Use the low rate</b> (250mL + 1.2 L) when weeds are small (5-7cm tall/ diameter). <b>Use the low rate</b> (375mL + 1.6 L) when the weeds are larger (7 - 15 cm tall/ diameter). STAROXY 400 is generally more compatible with <b>Liquid atrazine products</b> (see <b>GENERAL INSTRUCTIONS; compatibility section</b> ). Add a surfactant (See <b>GENERAL INSTRUCTIONS</b> ; Oils and surfactants). <b>DO NOT</b> add an oil to mixtures of STAROXY 400 and atrazine.		
		<i>Euphorbia davidii</i>	Cotyledons to 4 nodes up to 15cm	500mL + 1.6L atrazine flowable (600 g/L or 1.1kg of Atrazine 900g/kg granules)			
		Volunteer peanuts	Up to 15cm diameter	500mL + 3.7L atrazine flowable (600g/L or 2.5kg of Atrazine 900g/kg granules)			
Sweet corn: Tasmania only.							
Sweet corn only	3 to 5 leaf	Blackberry nightshade Volunteer potatoes	3 to 5 leaf	500mL			

**Table 4: WINTER CEREALS (WHEAT, BARLEY, OATS AND TRITICALE).**

CROP GROWTH STAGE	WEEDS CONTROLLED	WEED GROWTH STAGE	STATE	RATE L/ha	CRITICAL COMMENTS	
Apply from 3 leaf to flag (Zadoks 13 to 39)	Bedstraw ( <i>Galium tricornutum</i> )	1 to 3 whorl	Vic, SA, WA	500mL	(2) Add either Uptake or a surfactant (see <b>GENERAL INSTRUCTIONS</b> ; Oils and surfactants).	
	Cleavers ( <i>Galium aparine</i> )		NSW, Vic only			
	Black bindweed (climbing buckwheat)	2 to 4 leaf	NSW, Qld only			250mL (2) 375mL or 250mL + 5g Metsulfuron methyl (2)
		2 to 6 leaf				
	Common sowthistle ( <i>Sonchus oleraceus</i> )	2 to 5 leaf	NSW, SA, Qld WA			500mL
	Deadnettle	2 to 6 leaf				
	Spiny emex (Doublegee, Three cornered jack)	2 to 4 leaf	NSW, Qld, Tas Vic,WA			500mL
Prickly lettuce	2 to 5 leaf					

