

Company Name: LANDMARK OPERATIONS LIMITED  
 Product Name: GENFARM FLUROXYPYR 400 HERBICIDE  
 APVMA Approval Number: 81650/150807

<b>Label Name:</b>	<b>GENFARM FLUROXYPYR 400 HERBICIDE</b>
<b>Signal headings:</b>	CAUTION KEEP OUT OF REACH OF CHILDREN READ SAFETY DIRECTIONS BEFORE OPENING OR USING
<b>Constituent statements:</b>	ACTIVE CONSTITUENT: 400 g/L FLUROXYPYR present as the Methylheptyl ester SOLVENT: 316 g/L LIQUID HYDROCARBON 100g/L N-METHYL-2-PYRROLIDONE
<b>Mode of action:</b>	<b>GROUP I HERBICIDE</b>
<b>Statement of claims:</b>	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.
<b>Net contents:</b>	CONTENTS: 1-200L
<b>Directions for Use</b>	<b>DIRECTIONS FOR USE</b>
<b>Restrains</b>	<b>RESTRAINTS</b> <b>DO NOT</b> 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 <b>GENERAL INSTRUCTIONS</b> ; application methods <b>WOODY WEED SITUATIONS</b> 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.

Table 2 Established Grass Pastures (Ground and Aerial)

Table 3 Sorghum, Maize, Millets and Sweet Corn

Table 4 Winter Cereals (Wheat, Barley, Oats and Triticale)

Table 5 Summer Fallow

Table 6 Winter Fallow

Table 7 Sugar Cane

Table 8 Lucerne (established only)

Table 9 Poppies

**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.

<b>HIGH VOLUME APPLICATION: Dilute product with water.</b>				
<b>See General Instructions – Application Method for application details</b>				
<b>WEEDS CONTROLLED</b>	<b>WEED GROWTH STAGE</b>	<b>STATE</b>	<b>RATE / 100 L water</b>	<b>CRITICAL COMMENTS</b>
Bathurst burr Noogoora burr	Seedlings and young plants up to 40 cm high	Qld, NSW, WA, NT	38 mL	Add Uptake* Spraying Oil (see <b>General Instructions</b> ; Oils and surfactants).
Black bindweed (climbing buckwheat)	Seedlings and young plants before flowering	Qld, NSW	150 mL	
<i>Mimosa pigra</i>	Apply from mid to late summer	WA, NT	250 mL	
Common sensitive plant	Seedlings and young plants up to flowering	Qld, WA		
Bellyache bush		Qld, NSW, WA		
Blackberry nightshade		Qld, NSW		
Bokhara clover				
Caltrop (yellow vine) ( <i>Tribulus terrestris</i> ) ( <i>T. micrococcus</i> )	Seedlings and young plants up to 30 cm diameter			
Cobblers pegs	Up to 15 cm high			
Cockspur thorn	Up to 3 m 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 30 cm high			
Hexham scent	Seedlings and young plants up to flowering		<b>Boom spray:</b> Fluroxypyr at 0.3 L/ha + 0.4 L/ha of 2,4-D amine (625 g/L)	
Honey locust	Seedlings and young plants up to 2 m 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			

**Table 1: Woody Weeds in Agricultural Non-Crop Areas and Rights-of-Way, Commercial and Industrial Areas, Forests and Pastures.**

<b>HIGH VOLUME APPLICATION: Dilute product with water.</b>				
<b>See General Instructions – Application Method for application details</b>				
<b>WEEDS CONTROLLED</b>	<b>WEED GROWTH STAGE</b>	<b>STATE</b>	<b>RATE/ 100 L water</b>	<b>CRITICAL COMMENTS</b>
Lantana	Seedlings and regrowth 0.5 to 1.2 m high	Qld, NSW	250 mL	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 2 m high		500 mL	
Blue heliotrope	Flowering			
Limebush	Infestations up to 1.5 m high only			
Madeira vine	Apply at time of active growth		250 mL	
Milkweed ( <i>Euphorbia heterophylla</i> )	3 leaf to flowering	Qld	500 mL	Repeat applications will be necessary to control subsequent germinations.
Common sowthistle	Seedlings and young plants up to bolting	Qld, NSW	250 mL	Add a surfactant (see <b>GENERAL INSTRUCTIONS</b> ; Oils and surfactants).
Mother-of-millions ( <i>Kalanchoe</i> spp.)	Seedling and young plants before flowering		300 mL	
Prickly acacia	Seedling and young plants up to 2 m high	Qld	375 mL	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.	Seedling and young plants up to flowering	Qld, NSW, WA, NT	500 mL	
Broadleaf Pepper tree ( <i>Schinus terebinthifolius</i> )	Mature leaves, fruiting	Qld	250 mL	Winter application only. Contact Alan Fletcher Research Station for more information.
Flannel weed ( <i>Sida cordifolia</i> )				
Snakeweed (Dark and light blue)	Seedling and young plants before flowering		375 mL	Add Uptake* Spraying Oil (see <b>GENERAL INSTRUCTIONS</b> ; Oils and surfactants).
Stinking Passion Flower	Established plants and regrowth	Qld, WA, NT	225 mL	Use 70mL/15 L for a knapsack.
Wandering jew ( <i>Tradescantia albiflora</i> )	Young plants up to and including flowering	All States	750 mL	Some regrowth will usually occur and will require retreatment.
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 1.2 m high	Qld, NSW	250 mL	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.
	Plants or regrowth 1.2 to 2.0 m high only		500 mL	

**Table 1: Woody Weeds in Agricultural Non-Crop Areas and Rights-of-Way, Commercial and Industrial Areas, Forests and Pastures.**

<b>BASAL PARK AND CUT STUMP APPLICATION: Dilute product with diesel.</b>				
<b>See General Instructions – Application Method for application details</b>				
<b>WEEDS CONTROLLED</b>	<b>WEED GROWTH STAGE</b>	<b>STATE</b>	<b>RATE /100 L diesel</b>	<b>CRITICAL COMMENTS</b>
<i>Celtis (Celtis sinensis)</i>	<b>Basal Bark only:</b> Young plants up to 2 m high and 20 cm basal diameter	Qld	1.8 L	Treat stems from ground level to where multi-stemmed trunks branch.
Chinee apple	Up to 15 cm basal diameter	Qld	1.5 L	With basal bark, treat circumference of stem to a height of 45cm from the ground. Contact the Land Protection Branch, Department of Lands, Qld, for further information on Chinee Apple.
Cockspur thorn	<b>Basal Bark only:</b> Up to 5 cm basal diameter		1 L	
Mimosa bush <i>Acacia farnesiana</i>	Up to 5 cm basal diameter	Qld, WA	1.5 L	
Prickly acacia	Up to 10 cm basal diameter	Qld	750 mL	
Honey locust	Plants up to 10 cm basal diameter	Qld, NSW	750 mL	With basal bark, treat circumference of stem to a height of 45cm from the ground. <b>For cut stump application</b> use a rate of 5L/100L diesel for all plant sizes. Contact the Land Protection Branch, Department of Lands, Qld, for further information on Honey Locust.
	Plants 10 to 20 cm basal diameter		1.5 L	
	Plants >20cm basal diameter		2.5 L	
Sisal hemp ( <i>Agave</i> spp.)	All growth stages	Qld	1.5 L	Treat as an overall spray. Contact The Land Protection Branch, Department of Lands, Qld for advice to control large infestations.
			5 mL undiluted product per plant	Lever out centre of plant with crowbar and immediately treat the exposed cut area
<b>BROADCAST AND AERIAL APPLICATION: Dilute product with water.</b>				
<b>See General Instructions – Application Method for application details</b>				
<b>WEEDS CONTROLLED</b>	<b>WEED GROWTH STAGE</b>	<b>STATE</b>	<b>RATE /100 L water</b>	<b>CRITICAL COMMENTS</b>
<i>Mimosa pigra</i>	Actively growing plants	WA, NT	1.5 L	Aerial application: Add Uptake Spraying Oil at the rate of 1 L/100 L spray mix. Apply to actively growing plants from mid to late summer. Contact the Department of Primary Industries and Fisheries, NT for further information.
<b>LOW VOLUME, HIGH CONCENTRATE APPLICATION: Use a drench gun or gas-powered gun.</b>				
<b>See General Instructions – Application Method for application details</b>				
<b>WEEDS CONTROLLED</b>	<b>WEED GROWTH STAGE</b>	<b>STATE</b>	<b>RATE /100 L water</b>	<b>CRITICAL COMMENTS</b>
Limebush	Isolated bushes up to 1.2 m high only	Qld, NSW	500 mL	Apply a 50 mL 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 1.2 m high	NSW		Apply a 50 mL dose per cubic metre of bush

**Table 2: Established Grass Pastures**

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

Qld and NSW					
CROP	CROP GROWTH STAGE	WEEDS CONTROLLED	WEED GROWTH STAGE	RATE/ha	CRITICAL COMMENTS
Sorghum	Apply when secondary roots are present, from 4 fully expanded leaves (15 cm tall) up to boot (also see CRITICAL COMMENTS)	Annual ground cherry Wild gooseberry ( <i>Physalis</i> spp.)	2 to 8 leaf Up to 15 cm tall	250 mL	<b>Sorghum:</b> From 8 leaf to boot stage, use dropper nozzles to prevent herbicide coming in contact with the crop's leaves and the growing point (meristem).
			15 to 30 cm tall	375 mL	
		Apple-of-Peru	Seedling plants up to 15 cm tall		
		Bathurst burr Noogoora burr	2 to 8 leaf Up to 20 cm tall	250 mL	
Maize & Sweet corn	Apply when secondary roots are present, from 3 fully expanded leaves (10 cm tall) up to just before tasselling (see CRITICAL COMMENTS)		20 to 50 cm tall	375 mL	<b>Maize and sweet corn:</b> From 6 leaf to just before tasselling, use dropper nozzles to prevent the herbicides coming in contact with the crop's leaves and the growing point (meristem).
		Pigweed ( <i>Portulaca oleracea</i> )	Up to 10 cm diameter	250 mL	
			10 to 30 cm diameter	375 mL	
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	2 to 6 leaf Up to 10 cm tall	750 mL	<b>Millets: DO NOT</b> use mixes with atrazine.  ( <sup>1</sup> ) This treatment may be slightly damaging to the crop. To minimise crop damage apply using dropper nozzles <b>at all crop stages.</b>
		Silverleaf nightshade (NSW only) ( <sup>1</sup> )	Full flower to early berry	375 mL + Uptake at 300 mL/100 L	
		Starburr ( <i>Acanthospermum hispidum</i> ) (Qld only)	Up to 12 leaf and before flowering	750 mL oOr 375 mL + 1.6 L atrazine (600 g/L)	
		Thornapples ( <i>Datura</i> spp.)	2 to 8 leaf Up to 15 cm tall	375 mL	
		Volunteer sunflower	2 to 5 leaf Up to 20 cm tall	500 mL	

Fluroxypyr in tank-mixes with atrazine: Sorghum, Maize and Sweet corn.					
Qld and NSW					
CROP	CROP GROWTH STAGE	WEEDS CONTROLLED	WEED GROWTH STAGE	RATE /ha	CRITICAL COMMENTS
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> ) Caltrope (yellow vine), including <i>Tribulus terrestris</i> , <i>T. microccus</i> and <i>T. maximus</i> Cowvine (peach vine) ( <i>Ipomoea lonchophylla</i> ) Hairy wandering jew ( <i>Commelina benghalensis</i> ) Mintweed	Seedling plants up to 15 cm tall or rosettes up to 15 cm diameter	250 mL + 1.2 L of atrazine flowable (600 or 675 g/L) or 375 mL + 1.6 L of atrazine flowable (600 g/L or 1.1 kg of Atrazine 900 g/kg granules)	<p><b>Use the low rate</b> (250mL + 1.2 L) when weeds are small (5-7 cm tall/ diameter).</p> <p><b>Use the high rate</b> (375mL + 1.6 L) when the weeds are larger (7 - 15 cm tall/ diameter).</p> <p>Fluroxypyr is generally more compatible with <b>Liquid atrazine products (see GENERAL INSTRUCTIONS; compatibility section).</b></p> <p>Add a surfactant (See <b>GENERAL INSTRUCTIONS; Oils and surfactants).</b></p> <p><b>DO NOT</b> add an oil to mixtures of Fluroxypyr and atrazine.</p>
		<i>Euphorbia davidii</i>	Cotyledons to 4 nodes up to 15 cm	500 mL + 1.6 L atrazine flowable (600 g/L or 1.1 kg of Atrazine 900 g/kg granules)	
		Volunteer peanuts	Up to 15 cm diameter	500 mL + 3.7 L atrazine flowable (600 g/L or 2.5 kg of Atrazine 900 g/kg granules)	
<b>Sweet corn</b>					
<b>Tasmania</b>					
CROP	CROP GROWTH STAGE	WEEDS CONTROLLED	WEED GROWTH STAGE	RATE /ha	CRITICAL COMMENTS
Sweet corn only	3 to 5 leaf	Blackberry nightshade Volunteer potatoes	3 to 5 leaf	500 mL	

**Table 4: Winter Cereals (Wheat, Barley, Oats and Triticale)**

CROP GROWTH STAGE	WEEDS CONTROLLED	WEED GROWTH STAGE	STATE	RATE /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	500 mL	<sup>(1)</sup> Add either Uptake or a surfactant (see GENERAL INSTRUCTIONS: Oils and surfactants).		
	Cleavers ( <i>Galium aparine</i> )		NSW, Vic				
	Black bindweed ( <i>Climbing buckwheat</i> )	2 to 4 leaf	Qld, NSW	250 mL <sup>(1)</sup>		Useful suppression only. <b>Mixtures:</b> Mixing partners with Fluroxypyr may reduce crop selectivity. Apply at crop growth stages according to the mixing partner's recommendation.	
		2 to 6 leaf		375 mL or 250 mL + 5 g Metsulfuron methyl <sup>(1)</sup>			
	Common sowthistle ( <i>Sonchus oleraceus</i> )	2 to 5 leaf		500 mL			
	Deadnettle	2 to 6 leaf		750 mL or 250 mL + 5 g Metsulfuron methyl <sup>(1)</sup>			
	Spiny emex (Doublegee, Three cornered jack)	2 to 4 leaf	Qld, NSW, SA, WA	250 mL + 5 g Metsulfuron methyl <sup>(1)</sup>			
	Prickly lettuce	2 to 5 leaf	Qld, NSW, Vic, Tas, WA	500 mL			
	Volunteer lupins	2 to 8 leaf	NSW, Vic, WA	750 mL			
	Volunteer potato	10 to 15 cm tall	Tas, WA				Plants 15 to 30 cm tall will only be suppressed.
	Wireweed	2 to 3 leaf	Qld, NSW, Vic, Tas, SA, WA				
				Qld, NSW			250 mL + 5 g Metsulfuron methyl <sup>(1)</sup>
Bittercress ( <i>Coronopus didymus</i> ) Mustards Shepherd's purse Turnip weed Wild radish Wild turnip	Up to 8 leaf and up to 15 cm diameter	Qld, NSW, Vic, Tas, SA, WA	250 mL to 1.5 L + Metsulfuron methyl <sup>(1)</sup> or Eclipse <sup>(1)</sup> or MCPA LVE or MCPA amine	The Fluroxypyr rate depends on what other weeds are present as listed above. See <b>Mixtures</b> comment above. Metsulfuron methyl (600 g/kg) @ 5 g/ha (this mix does not control wild radish). Eclipse @ 5-7 g/ha (use the 5 g rate on turnip weed only). MCPA LVE (500 g/L) @ 700 mL/ha. MCPA Amine (500 g/L) @ 1.0 L/ha.			

**Table 5: Summer Fallow**

WEEDS CONTROLLED	WEED GROWTH STAGE	STATE	RATE /ha	CRITICAL COMMENTS
Annual ground cherry Wild gooseberry ( <i>Physalis</i> spp.)	2 to 8 leaf, up to 15 cm tall	Qld, NSW	375 mL <sup>(2)</sup>	<p><sup>(1)</sup>Add Uptake* Spraying Oil (see <b>GENERAL INSTRUCTIONS</b>; Oils and surfactants).</p> <p>When mixing with Glyphosate 450 to control both grass and broadleaf weeds, refer to the Glyphosate 450 label for use rates and adjuvants recommended for the grasses (see <b>GENERAL INSTRUCTIONS</b>; compatibility section).</p> <p><sup>(2)</sup>Delay treatment until the maximum number of shoots have emerged, but before the onset of fruiting (late summer). <b>DO NOT</b> treat plants showing symptoms from previous treatment. Use the high rate when longer term weed control (6-10 months) is required and delay planting crops during this period. The low rate will require follow-up treatments.</p>
Bathurst burr Noogoora burr	2 to 8 leaf, up to 20 cm tall	Qld, NSW, Vic, WA		
Bellvine	Pre-flowering	Qld, NSW	250 mL + 1.2 L Glyphosate 450	
Bladder ketmia	4 to 8 leaf, up to 10 cm tall			
Cowvine (Peach vine) <i>Ipomoea lonchophylla</i>	2 to 10 leaf up to 10 cm diameter			
Caltrope (yellow vine), including <i>Tribulus terrestris</i> , <i>T. maximus</i> and <i>T. microccus</i>	Up to 15 cm diameter		250 mL + 1.0 L Glyphosate 450	
Pigweed ( <i>Portulaca oleracea</i> )	Up to 10 cm diameter		375 mL <sup>(1)</sup>	
	Up to 60 cm diameter		375 mL + 1.0 L Glyphosate 450	
<i>Polymeria pusilla</i>	2 to 10 leaf up to 20 cm diameter		500 mL <sup>(1)</sup> or 250 mL + 1.2 L Glyphosate 450	
Rhynchosia	Seedlings to early flowering		500 mL <sup>(1)</sup> or 190 mL + 800 mL Glyphosate 450	
Smallflower mallow or Marshmallow ( <i>Malva parviflora</i> )	Up to 8 leaf up to 20 cm diameter		500 mL <sup>(1)</sup>	
Thornapples ( <i>Datura</i> spp.)	2 to 8 leaf up to 15 cm diameter	Qld, NSW, WA	375 mL <sup>(1)</sup> or 250 mL + 1.2 L Glyphosate 450	
Sesbania pea	2 to 6 leaf up to 10 cm tall	Qld, NSW	750 mL <sup>(1)</sup> or 250 mL + 1.2 L Glyphosate 450	
Perennial Ground Cherry ( <i>Physalis virginiana</i> ) <sup>(w)</sup>	Bud to early flowering up to 20 cm tall		750 mL of 1.5 L <sup>(1)</sup>	
Silverleaf nightshade	Full flower to early berry-set (usually Dec – Feb)	NSW	375 mL or 190 mL + 1.2 – 1.6 L 2,4-D amine (625 g/L)	<p>Add Uptake Spraying Oil at the rate of 1 L/100 L spray mixture.</p> <p>To ensure maximum effect, delay application until the majority of shoots have emerged.</p> <p>Follow-up treatment will be required to control regrowth and is critical for optimum control. If wanting to prevent seed set repeat applications may be needed in the same season, although this does not lead to better long term control.</p>
Volunteer peanuts	Up to 15 cm diameter	Qld	500mL + 3.7L atrazine flowable (600 g/L)	<p>Add a surfactant (see <b>General Instructions</b>; Oils and surfactants). <b>Important:</b> see <b>GENERAL INSTRUCTIONS</b>; compatibility section).</p>
Volunteer sunflowers	2 to 5 leaf up to 20 cm	Qld, NSW	500mL	Add Uptake Spraying Oil (see <b>General Instructions</b> ; Oils and surfactants section).



**Table 6: Winter Fallow**

WEEDS CONTROLLED	WEED GROWTH STAGE	STATE	RATE /100 L water	CRITICAL COMMENTS
Bedstraw ( <i>Galium tricomutum</i> )	Up to 5 whorl	Vic, SA, WA	500 mL <sup>(1)</sup>	<sup>(1)</sup> Add Uptake Spraying Oil (see <b>GENERAL INSTRUCTIONS</b> ; Oils and surfactants section).
Cleavers ( <i>Galium aparine</i> )		NSW, Vic		
Black bindweed (Climbing buckwheat)	2 to 8 leaf up to 10 cm diameter	Qld, NSW	375 mL <sup>(1)</sup>	<sup>(2)</sup> Add Uptake or a surfactant (see <b>GENERAL INSTRUCTIONS</b> ; Oils and surfactants section).  When mixing with Glyphosate 450 to control both grass and broadleaf weeds, refer to the Roundup Ct label for use rates and adjuvants recommended for the grasses ((see <b>GENERAL INSTRUCTIONS</b> ; Compatibility Section).
Common sowthistle ( <i>Sonchus oleraceus</i> )			500 mL <sup>(1)</sup> or 250 mL + 600 mL Glyphosate 450	
Prickly lettuce			750 mL <sup>(1)</sup> or 250 mL <sup>(2)</sup> + 5 g Metsulfuron methyl (600 g/kg)	
Spiny emex (Doublegee, Three cornered jack)	2 to 8 leaf			
Wireweed	2 to 3 leaf up to 10 cm tall		750 mL <sup>(1)</sup> or 250 mL <sup>(2)</sup> + 5 g Metsulfuron methyl (600 g/kg) or 0.5 <sup>(2)</sup> + 0.6 Glyphosate 450	

**Table 7: Sugar cane (Qld, NSW, WA and NT)**

CROP STAGE GROWTH	WEEDS CONTROLLED	WEED GROWTH STAGE	RATE /ha	CRITICAL COMMENTS
From early tillering to maturity	Balsum pear Blackberry nightshade Blue billygoat weed Centro Cowpea Giant sensitive plant Lablab bean Noogoora burr Phasey bean Pinkburr Prickly African cucumber Spinyhead sida Stinking passion flower (seedlings only)	Apply from 2 to 3 leaf until flowering	<b>Ground:</b> 650 mL <b>Aerial:</b> 750 mL	For optimal weed control, delay application until just before the “close-in” stage. <b>Aerial application:</b> Apply in not less than 60 L/ha water and add Uptake Spraying Oil at 1L/100L spray mixture. <b>Ground application:</b> Apply in 100 – 400 L/ha water and add Uptake Spraying Oil at 300 mL/100L of spray mixture.
	Bellvine Morning glory Red or pink convolvulus Star-of-Bethlehem		As above + 800 mL 2,4-D amine (625 g/L)	
	Stinking passion flower	Established or ratoon plants with at least 1.0 m of regrowth	<b>High volume:</b> 225 mL/100 L water <b>Knapsack</b> 35 mL/15 L water	Thoroughly wet plants to the point of run-off.
	Milkweed ( <i>Euphorbia heterophylla</i> )	Seedlings and young plants up to flowering.	1.5L or 1.15L + 3.3L atrazine flowable (600 g/L)	Better control will be achieved with the atrazine mixture. Delay application until just before the cane reaches the “close-in” stage. This will improve control and minimise the number of seedlings that germinate.

**Table 8: Lucerne (NSW)**

CROP STAGE GROWTH	WEEDS CONTROLLED	WEED GROWTH STAGE	RATE /ha	CRITICAL COMMENTS
Established crops at least eighteen months old	Annual ground cherry Bathurst burr Noogoora burr Wild gooseberry	2 to 8 leaf up to 15 cm high	250mL	To minimise crop injury and to maximise weed control, cut, slash or heavily graze the lucerne before application. Wherever possible, irrigate before application to stimulate weed growth.  <b>DO NOT</b> treat crops growing on sandy or stony soils  <b>DO NOT</b> treat crops after the summer growing season (after end of March). To broaden the spectrum of weeds controlled, Fluroxypyr can be mixed with 2,4-DB Amine
	Pigweed	Up to 10 cm diameter		

**Table 9: Poppies (Tasmania)**

CROP STAGE GROWTH	WEEDS CONTROLLED	WEED GROWTH STAGE	RATE /ha	CRITICAL COMMENTS
4 to 6 leaf	Cleavers Fumitory	2 to 6 leaf	500 mL	
	Shepherd's purse Wireweed		500 mL + 5 L Asulox	
8 to 10 leaf	Common sowthistle Prickly lettuce	2 to 5 leaf	500 mL	<b>DO NOT</b> apply Fluroxypyr to poppies later than the 8 to 10 leaf growth stage as a reduction of alkaloid content could occur.
	Black nightshade	Cotyledon to 4 leaf	750 mL	
	Fumitory	6 to 10 leaf		
	Volunteer potato	From tuber initiation to flower bud		This rate will provide season long control of volunteer potato, but will not control all daughter tubers and will only suppress potatoes over 15 cm tall.

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

Other limitations:	
--------------------	--

Withholding periods:	<p><b>WITHOLDING PERIODS</b></p> <p><b>CROPS AND PASTURES: DO NOT GRAZE FAILED CROPS AND TREATED PASTURES OR CUT FOR STOCK FOOD FOR 7 DAYS AFTER APPLICATION.</b></p> <p><b>POPPIES: DO NOT SPRAY POPPIES LATER THAN 10 WEEKS BEFORE HARVEST.</b></p> <p><b>OTHER CROPS:</b> NOT REQUIRED WHEN USED AS DIRECTED.</p> <p><b>MINIMUM RECROPPING PERIODS</b></p> <table border="1" style="width: 100%; text-align: center;"> <thead> <tr> <th colspan="4">PLANT-BACK PERIODS FOR CROPS FOLLOWING THE APPLICATION OF FLUROXYPYR FOR RATES UP TO 750 mL/ha</th> </tr> <tr> <th>RATE L/ha</th> <th>190 mL</th> <th>375 mL</th> <th>750 mL</th> </tr> <tr> <th>CROP</th> <th colspan="3">DAYS</th> </tr> </thead> <tbody> <tr> <td>Barley</td> <td>7</td> <td>7</td> <td>7</td> </tr> <tr> <td>Wheat</td> <td>7</td> <td>7</td> <td>7</td> </tr> <tr> <td>Chickpea</td> <td>7</td> <td>7</td> <td>7</td> </tr> <tr> <td>Cotton</td> <td>14</td> <td>14</td> <td>28</td> </tr> <tr> <td>Soybean</td> <td>7</td> <td>7</td> <td>14</td> </tr> <tr> <td>Sunflower</td> <td>7</td> <td>7</td> <td>7</td> </tr> <tr> <td>Maize</td> <td>7</td> <td>7</td> <td>7</td> </tr> <tr> <td>Sorghum</td> <td>7</td> <td>7</td> <td>7</td> </tr> </tbody> </table> <p><b>NOTE:</b> Before using Fluroxypyr 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 most residual product, i.e. the product with the longest plant-back period.</p>	PLANT-BACK PERIODS FOR CROPS FOLLOWING THE APPLICATION OF FLUROXYPYR FOR RATES UP TO 750 mL/ha				RATE L/ha	190 mL	375 mL	750 mL	CROP	DAYS			Barley	7	7	7	Wheat	7	7	7	Chickpea	7	7	7	Cotton	14	14	28	Soybean	7	7	14	Sunflower	7	7	7	Maize	7	7	7	Sorghum	7	7	7
PLANT-BACK PERIODS FOR CROPS FOLLOWING THE APPLICATION OF FLUROXYPYR FOR RATES UP TO 750 mL/ha																																													
RATE L/ha	190 mL	375 mL	750 mL																																										
CROP	DAYS																																												
Barley	7	7	7																																										
Wheat	7	7	7																																										
Chickpea	7	7	7																																										
Cotton	14	14	28																																										
Soybean	7	7	14																																										
Sunflower	7	7	7																																										
Maize	7	7	7																																										
Sorghum	7	7	7																																										

Trade advice:	
---------------	--

General instructions	<p><b>GENERAL INSTRUCTIONS</b></p> <p><b>MIXING</b></p> <p>Fluroxypyr may be mixed with water or diesel.</p> <p>Mix only sufficient chemical for each day's use and avoid storing.</p> <p><b>Mixing in Water:</b> Half fill the spray tank with water and add the required quantity of Fluroxypyr and complete filling. Agitate continuously to ensure thorough mixing before and during application.</p> <p><b>Mixing in Diesel:</b> Half fill the tank with diesel and add the required quantity of Fluroxypyr. Add the remainder of the diesel and agitate or shake to mix contents.</p> <p><b>Tank mixtures:</b> Wettable powder or dry flowable formulations (e.g. water dispersible granules) should be added to the spray tank first, followed by suspension concentrates (flowables), water soluble salts and then emulsifiable concentrate formulations (Fluroxypyr). Add spraying oils and surfactants (wettors) last.</p> <p><b>OILS AND SURFACTANTS</b></p> <p><b>Oils</b></p> <p>Where specified use only Uptake Spraying Oil at the rate of 500 mL/100 L of spray mix. When using less than 100 L/ha spray volume, ensure a minimum of 250 mL/ha of Uptake is used, unless 1 L/100 L or 1 L/ha is specified.</p>
----------------------	--

**Surfactants (wettters)**

Use a 100% concentrate non-ionic surfactant such as BS1000® at 100 mL/100 L of spray mix where required.

**COMPATIBILITY**

Fluroxypyr is compatible with the herbicides listed. Follow any regional restrictions, and all directions and restrictions on the label, of any chemical mixed with Fluroxypyr.

Atrazine (see below)	Glyphosate 360
Metsulfuron methyl (600g/kg)	Glyphosate 450
Broadstrike	Topik 240 EC (see below)
Eclipse	Tordon 75-D
Diclofop methyl	Tordon 242
Triclopyr (600g/L)	Touchdown
Lontrel	2,4-D
MCPA	2,4-DB
Puma S	

**ATRAZINE**

AVOID USING HARD WATER WHEREVER POSSIBLE.

Where hard water cannot be avoided, the addition of CALGON water conditioning agent to the spray tank, at 100 g/100 L water, before adding any herbicide may improve compatibility.

AGITATION IS VERY IMPORTANT WHEN MIXING FLUROXYPYR AND ATRAZINE.

Fluroxypyr plus atrazine tank mixes must be agitated vigorously and continuously during mixing and application. After mixing DO NOT allow to stand without agitation. Ensure that the time from mixing to the end of application is not more than 2 hours. If settling out occurs re-suspension is difficult, even with vigorous agitation.

Agitation using only the pump's by-pass is usually inadequate, particularly with larger tanks (more than 2000 L). Additional mechanical agitation will be necessary in large tanks, computer sprayers and mixing tanks.

When additional surfactant is required, add a 100% concentrate non-ionic surfactant at 100 mL/100 L of spray mix. DO NOT use a spraying oil when tank mixing Fluroxypyr and atrazine.

**TOPIK 240 EC**

Always use Uptake Spraying Oil with Fluroxypyr + Topik 240 EC tank-mixes at 500 mL/100 L of spray mix with a minimum of 250 mL/ha.

DO NOT mix Fluroxypyr with Topik 240 EC if the grass weeds are not actively growing. Always use the maximum label rate of Topik 240 EC for the appropriate grass growth stage.

DO NOT use Fluroxypyr at more than 0.75 L/ha in tank mixes with Topik 240 EC.

**GLYPHOSATE 450**

When mixing Fluroxypyr with Glyphosate 450 to control both grass and broadleaf weeds, refer to the Glyphosate 450 label for use rates and adjuvants recommended for the grasses. DO NOT use Glyphosate 450 at less than 1.2 L/ha in tank mixes with Fluroxypyr, when barnyard grass, buttongrass, crowsfoot grass, native millet and liverseed grass are the target species.

## **APPLICATION METHODS and WATER RATES**

### ***BROADCAST APPLICATION IN CROPPING, PASTURE AND FALLOW SITUATIONS***

#### **A. Ground application (Boom)**

Apply Fluroxypyr with an accurately calibrated boom sprayer, in at least 50 L/ha water (100-400 L/ha for sugar cane).

Flat nozzles are recommended using pressures in the range 200 to 300 kPa.

Set the boom at a height to ensure a double overlap of the nozzle patterns.

#### **B. Ground directed application (Dropper nozzles)**

To minimise crop effects, dropper nozzles should be used in sorghum when the crop is beyond the 8 leaf growth stage and in maize and sweet corn when the crop is beyond the 6 leaf growth stage.

Adjust the nozzles to direct the spray into the base of the crop and away from the leaves and the growing point. See manufacturers' directions for setting up and calibration of dropper nozzles.

#### **C. Aerial application**

Apply in a minimum volume of at least 35 L/ha water (60 L/ha in sugarcane).

Use equipment calibrated to produce droplets with an average diameter (Volume Mean Diameter; VMD) of 250 – 350 microns.

DO NOT apply when the temperature is above 30°C, when there is no wind or when the wind is blowing toward susceptible crops.

DO NOT use human flaggers unless they are protected by engineering controls such as enclosed cabs.

### ***WOODY WEED SITUATIONS***

Weeds must be actively growing to attain optimal effect. Delay the treatment of regrowth following bulldozing, slashing, burning, ploughing or a previous chemical treatment until it has at least 1 metre of new, vigorous, growth.

#### **A. High Volume Application**

##### **Hand Gun**

Apply the recommended mix to obtain full coverage of leaves and stems using a number 6 – 8 tip at 700 to 1500 kPa. To obtain good coverage, a spray volume of 1500 to 4000 L/ha (15 to 40 L/100m<sup>2</sup>) is required per infested hectare.

Ensure thorough coverage to the point of runoff.

##### **Knapsack**

Knapsack sprayers may be used on smaller infestations where penetration and coverage of the canopy is easier to achieve. Use the same use rate and spray techniques as for handgun application.

#### **B. Low Volume, High Concentrate Application**

##### **Drench Gun or Gas-Powered Gun**

Apply the recommended mixture uniformly across the foliage by applying 50mL shots to cover 4 to 5 m<sup>2</sup> of surface area of plant. This is approximately equivalent to 20 droplets per cm<sup>2</sup> of the leaf surface. Use a marking agent as recommended by the equivalent manufacturer to check spray coverage.

	<p><b>C. Basal Bark and Cut Stump Application</b></p> <p><b>Basal Bark</b></p> <p>DO NOT apply to wet stems as this can repel the diesel mixture.</p> <p>Spray or paint the recommended mixture around the base of each stem from ground level to a height of at least 30 cm from the ground, wetting the bark to the point of runoff.</p> <p>Apply with a paint brush or a pressure sprayer with an approximate lance and solid cone nozzle. If using spray equipment use low pressures (&lt; 200 kPa) sufficient to form a cone of spray.</p> <p>Old rough bark will require more spray than smooth or young thin bark.</p> <p><b>Cut Stump</b></p> <p>Apply the recommended mixture liberally to the freshly cut stump immediately after cutting.</p> <p>Apply by spraying or painting the cut surface and sides of the stump.</p> <p>Best results are obtained when the stems are cut less than 15 cm above the ground.</p> <p><b>CLEANING SPRAY EQUIPMENT</b></p> <p><b>Rinse water should be discharged onto a designated disposal area or, if this is unavailable, onto wasteland away from desirable plants and water courses.</b></p> <p><b>Cleaning equipment after using water-based sprays:</b></p> <p><b>Rinsing:</b> After using Fluroxypyr Herbicide, empty the tank completely and drain the whole system. Thoroughly wash inside the spray unit using a pressure hose. Drain and clean any filters in the tank, pump, lines, hoses and nozzles.</p> <p>After cleaning the tank as above, quarter fill the clean water and circulate through the pump, lines and nozzles. Drain and repeat the rinsing procedure twice.</p> <p><b>Decontamination (before spraying cotton and other sensitive crops; see PROTECTION OF CROPS):</b> Wash the tank and rinse the system as above. Then quarter fill the tank and add an alkali detergent (e.g. liquid SURF, OMO, DRIVE) at 500 mL/100L of water or the powder equivalent at 500 g/100 L and circulate throughout the system for at least fifteen minutes.</p> <p>Drain the whole system. Remove filters and nozzles and clean them separately. Finally flush the system with clean water and allow to drain.</p> <p><b>Cleaning equipment after using diesel – based sprays:</b></p> <p>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 nozzles with water to remove degreaser.</p> <p>Then quarter fill the tank and add an alkali detergent (e.g. liquid SURF, OMO, DRIVE) at 50 mL/10L of water or the powder equivalent at 50 g/10 L. Shake sprayer to circulate the washing solution throughout the sprayer, then spray the solution through the nozzles. Rinse well with clean water to remove the detergent.</p> <p>To clean brushes and containers, spray liberally with degreaser. Hose off with clean water and repeat using detergents as above.</p> <p>DO NOT use this equipment for any other purpose.</p>
--	---

Resistance warning	<b>RESISTANT WEEDS WARNING</b>
--------------------	--------------------------------

	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%; text-align: center;"><b>GROUP</b></td> <td style="width: 33%; text-align: center;"><b>I</b></td> <td style="width: 33%; text-align: center;"><b>HERBICIDE</b></td> </tr> </table>	<b>GROUP</b>	<b>I</b>	<b>HERBICIDE</b>	<p>Genfarm Fluroxypyr 400 Herbicide is a member of the pyridine group of herbicides. The product has the disrupters of plant cell growth mode of action. For weed resistance management, the product is a Group I Herbicide.</p> <p>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 individual can eventually dominate the weed population if these herbicides are used repeatedly. These resistant weeds will not be controlled by this product or other Group I herbicides.</p> <p>Since the occurrence of resistant weeds is difficult to detect prior to use, Landmark Operations Ltd accepts no liability for any losses that may result from the failure of this product to control resistant weeds.</p> <p>Strategies to minimize the risk of herbicide resistance are available. Contact your farm chemical supplier, consultant, local Department of Agriculture, or Landmark representative.</p>
<b>GROUP</b>	<b>I</b>	<b>HERBICIDE</b>			

<b>Precautions:</b>	
---------------------	--

<b>Protections:</b>	<p><b>PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS</b></p> <p>Susceptible crops include but are not limited to clovers, cotton, fruit, hops, lupins, ornamentals, peas, pine tree, potatoes, navy beans, safflower, shade trees, soybeans, sunflower, tobacco, tomatoes, vegetables and vines.</p> <p>Fluroxypyr can be damaging to susceptible crops during both growing and dormant periods.</p> <p>Grasses are normally unaffected by Fluroxypyr and establish quickly after treatment. Transitory damage can occur on some species particularly those that spread by stolons such as cough grass (<i>Cynodon dactylon</i>), Kikuyu grass and carpet grass (<i>Axonopus</i> sp.)</p> <p>DO NOT allow spray to drift onto susceptible crops, shade trees and <i>Pinus</i> spp..</p> <p>DO NOT use under weather conditions or from spraying equipment which could cause spray to drift onto nearby susceptible plants.</p> <p><b>PROTECTION OF LIVESTOCK</b></p> <p>DO NOT graze stock or cut treated crops or plants for food except as specified under withholding periods.</p> <p>Poisonous plants may become more palatable after spraying therefore stock should be kept out of the area until the plants have died down.</p> <p>DO NOT allow stock to re-enter paddocks containing treated poisonous plants, until the plants have died down.</p> <p><b>PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT</b></p> <p>DO NOT contaminate streams, rivers or waterways with the chemical or used containers.</p> <p>Alongside waterways, treat only noxious weeds and poisonous plants.</p>
---------------------	--

<b>Storage and disposal:</b>	<p><b>STORAGE AND DISPOSAL</b></p> <p>Store in the closed, original container in a cool, well ventilated area. DO NOT store for prolonged periods in direct sunlight.</p>
------------------------------	---

	<p><i>Leaflet</i></p> <p>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</p> <p><i>Refillable containers</i></p> <p>Empty contents fully into application equipment. Close all valves and return to point of supply for refill or storage.</p> <p><i>Other containers</i></p> <p>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, crush, or puncture and deliver empty packaging to an approved waste management facility. If an approved waste management facility is not available, bury the empty packaging 500mm below the surface in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots, in compliance with relevant Local, State or Territory government regulations. Do not burn empty containers and product.</p> <p><i>Refillable containers (1000L, 110L):</i> Empty containers fully into application equipment. Close all valves and return to point of supply for refill or storage.</p> <p><b>SMALL SPILL MANAGEMENT</b></p> <p>Wear protective equipment (See <b>SAFETY DIRECTIONS</b>). 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 <b>STORAGE AND DISPOSAL</b> section).</p> <p>If necessary wash the spill area with an alkali detergent and water and absorb the wash liquid for disposal.</p>
--	--

<p><b>Safety directions:</b></p>	<p><b>SAFETY DIRECTIONS</b></p> <p>Avoid contact with eyes and skin. When opening the container, preparing the spray and using the prepared spray wear cotton overalls buttoned to the neck and wrist and a washable hat, elbow length PVC gloves, a face shield or goggles. Wash hands after use.</p> <p>After each day's use, wash gloves, face shield or goggles and contaminated clothing.</p>
----------------------------------	--

<p><b>First aid instructions:</b></p>	<p><b>FIRST AID</b></p> <p>If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia: 13 1126). If swallowed, do NOT induce vomiting. Give a glass of water. If in eyes, wash out immediately with water.</p>
---------------------------------------	--

<p><b>First aid warnings</b></p>	<p>-</p>
----------------------------------	----------



<b>Information not assessed by the APVMA</b>	<p><b>SAFETY DATA SHEET</b></p> <p>For further information, refer to the Safety Data Sheet which is available from the supplier.</p> <p><b>CONDITIONS OF SALE</b></p> <p>The use of this product is beyond the control of Landmark Operations Limited. No warranty is expressed or implied regarding the suitability or efficiency for any purpose for which it is used by the buyer. Landmark Operations Limited accepts no responsibility for any consequences resulting from the use of this product. Landmark Operations Limited will not be held liable for any loss, injury or damage arising from the sale, supply or use of this product, whether through negligence or otherwise. No responsibility will be accepted for any consequences whatsoever resulting from the use of this product.</p>
	<p><b>Landmark Operations Limited</b>  <b>Suite 3, Level 1, Building B</b>  <b>11 Talavera Road,</b>  <b>Macquarie Park, NSW, 2113</b>  <b>Tel: (02) 9889 5400</b></p> <p><b>Product Support Tel: 1800 44 88 92</b></p>
	<p>DOM:</p> <p>Batch No:</p>
	<p><b>IN A TRANSPORT EMERGENCY</b>  <b>DIAL 000</b>  <b>POLICE OR FIRE BRIGADE</b></p>
	<p><b>FOR SPECIALIST ADVICE</b>  <b>1800 033 111</b>  <b>24 HOURS AUSTRALIA WIDE</b></p>
	<div style="border: 1px solid black; padding: 5px;"> <p>Additional statements required by Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia:  Causes skin and serious eye irritation; May cause respiratory irritation and be fatal if swallowed and enters airways; May damage fertility or the unborn child after prolonged and repeated exposure; Avoid breathing spray mist but if inhaled remove person to fresh air and keep comfortable for breathing; If on skin wash with plenty of water.</p> </div>