CAUTION

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

GENFARM

FLUROXYPYR 400 EC

HERBICIDE

ACTIVE CONSTITUENT: **400 g/L FLUROXYPYR present as the Methylheptyl ester**
SOLVENT: **316 g/L LIQUID HYDROCARBON**
100g/L N-METHYL-2-PYRROLIDONE

GROUP I 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 USING THIS PRODUCT

Nutrien Ag Solutions Limited
Level 5, Building A, 26 Talavera Road, Macquarie Park, NSW, 2113
Tel: (02) 9889 5400 • Product Support Tel: 1800 44 88 92

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**
Bathurst burr Noogoora burr	Seedlings and young plants up to 40 cm high
Black bindweed (climbing buckwheat)	Seedlings and young plants before flowering
Mimosa pigra	Apply from mid to late summer
Common sensitive plant	Seedlings and young plants up to flowering
Bellyache bush	
Blackberry nightshade Bokhara clover	
Caltrop (yellow vine) (*Tribulus terrestris*) (T. *micrococcus*)	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 (*Rumex* spp.)	Seedlings and rosettes up to 30 cm high
Hexham scent	Seedlings and young plants up to flowering
Honey locust	Seedlings and young plants up to 2 m high
Small flowered mallow (*Marshmallow)* *(Malva parviflora*)	Seedlings and young plants up to flowering
Yellowflower Devil's claw	Seedlings and young plants up to flowering

STATE	**RATE / 100 L water**	**CRITICAL COMMENTS**
Qld, NSW, WA, NT	38 mL	
Qld, NSW	150 mL	
WA, NT		Add Uptake* Spraying Oil (see **General Instructions**; Oils and surfactants).
Qld, WA	250 mL	
Qld, NSW, WA		
Qld, NSW		**Boom spray**: GENFARM FLUROXYPYR 400 EC HERBICIDE at 0.3 L/ha + 0.4 L/ha of 2,4-D amine (625 g/L)

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

HIGH VOLUME APPLICATION: Dilute product with water. **See General Instructions – Application Method for application details**				
WEEDS CONTROLLED	**WEED GROWTH STAGE**	**STATE**	**RATE/ 100 L water**	**CRITICAL COMMENTS**
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 (*Euphorbia heterophylla*)	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 **GENERAL INSTRUCTIONS**; Oils and surfactants).
Mother-of-millions (*Kalanchoe* 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 **GENERAL INSTRUCTIONS**; Oils and surfactants). Consult Tropical Weeds Research Centre, Charters Towers, for specific advice on application
Sida spp.	Seedling and young plants up to flowering	Qld, NSW, WA, NT	500 mL	
Broadleaf Pepper tree (*Schinus terebinthifolius*)	Mature leaves, fruiting	Qld	250 mL	Winter application only. Contact Alan Fletcher Research Station for more information.
Flannel weed *(Sida cordifolia)*				
Snakeweed (Dark and light blue)	Seedling and young plants before flowering		375 mL	Add Uptake* Spraying Oil (see **GENERAL INSTRUCTIONS**; Oils and surfactants).
Stinking Passion Flower	Established plants and regrowth	Qld, WA, NT	225 mL	Use 70mL/15 L for a knapsack.
Wandering jew *(Tradescantia albiflora)*	Young plants up to and including flowering	All States	750 mL	Some regrowth will usually occur and will require retreatment.
Wattles (including *Acacia aulacocarpa* *A. decora* *A. harpophylla* *A. leiocalyx* *A. salicina)*	Seeding 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.

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 /100 L diesel	CRITICAL COMMENTS
Celtis *(Celtis sinensis)*	**Basal Bark only:** 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		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	**Basal Bark only:** Up to 5 cm basal diameter		1 L	
Mimosa bush *Acacia farnesiana)*	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. **For cut stump application** 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 (*Agave* 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

BROADCAST AND AERIAL APPLICATION: Dilute product with water.
See General Instructions – Application Method for application details

WEEDS CONTROLLED	WEED GROWTH STAGE	STATE	RATE /100 L water	CRITICAL COMMENTS
Mimosa pigra	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.

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 /100 L water	CRITICAL COMMENTS
Limebush	Isolated bushes up to 1.2 m high only	Qld, NSW	500 mL	Apply a 50 mL dose per 5m^2 of bush surface area.
Tree violet (*Hymenanthera dentata*)	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 (NSW & Qld only)

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 (*Physalis* spp.)	2 to 8 leaf Up to 15 cm tall	250 mL	**Sorghum**: 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	
			20 to 50 cm tall	375 mL	**Maize and sweet corn:** 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).
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)	Pigweed (*Portulaca oleracea)*	Up to 10 cm diameter	250 mL	
			10 to 30 cm diameter	375 mL	
		Sesbania pea	2 to 6 leaf Up to 10 cm tall	750 mL	**Millets: DO NOT** use mixes with atrazine.
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)	Silverleaf nightshade (NSW only) [1]	Full flower to early berry	375 mL + Uptake at 300 mL/100 L	[1] This treatment may be slightly damaging to the crop. To minimise crop damage apply using dropper nozzles **at all crop stages.**
		Starburr (*Acanthospermum hispidum)* (Qld only)	Up to 12 leaf and before flowering	750 mL oOr 375 mL + 1.6 L atrazine (600 g/L)	
		Thornapples (*Datura* 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	

Table 3: Sorghum, Maize, Millets and Sweet corn (NSW & Qld only)
GENFARM FLUROXYPYR 400 EC HERBICIDE in tank-mixes with atrazine: Sorghum, Maize and Sweet corn. (NSW & Qld only)

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)	*Amaranthus* spp. Including: Boggabri weed, Dwarf amaranth, Green amaranth, Redshank Anoda weed Bladder ketmia Black pigweed (*Trianthema portulacastrum)* Caltrope (yellow vine), including *Tribulus terrestris, T. microccus* and *T. maximus* Cowvine (peach vine) (*Ipomoea lonchophylla*) Hairy wandering jew (*Commelina benghalensis)* 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)	**Use the low rate** (250mL + 1.2 L) when weeds are small (5-7 cm tall/ diameter). **Use the high rate** (375mL + 1.6 L) when the weeds are larger (7 - 15 cm tall/ diameter). Genfarm Fluroxypy 400EC Herbicide is generally more compatible with **Liquid GENERAL INSTRUCTIONS; compatibility section). atrazine products (see** Add a surfactant (See **GENERAL INSTRUCTIONS**; Oils and surfactants). **DO NOT** add an oil to mixtures of GENFARM FLUROXYPYR 400 EC HERBICIDE and atrazine.
		Euphorbia davidii	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)	

Sweet corn: Tasmania only

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 (*Galium tricornutum)*	1 to 3 whorl	Vic, SA, WA	500 mL	[1] **Add either Uptake or a surfactant (see GENERAL INSTRUCTIONS: Oils and surfactants).**
	Cleavers *(Galium aparine)*		NSW, Vic		
	Black bindweed *(Climbing buckwheat)*	2 to 4 leaf	Qld, NSW	250 mL[1]	Useful suppression only.
		2 to 6 leaf		375 mL or 250 mL + 5 g Metsulfuron methyl [1]	**Mixtures:** Mixing partners with GENFARM FLUROXYPYR 400 EC HERBICIDE may reduce crop selectivity. Apply at crop growth sages according to the mixing partner's recommendation
	Common sowthistle *(Sonchus oleraceus)*	2 to 5 leaf		500 mL	
	Deadnettle	2 to 6 leaf		750 mL or 250 mL + 5 g Metsulfuron methyl [1]	
	Spiny emex (Doublegee, Three cornered jack)	2 to 4 leaf	Qld, NSW, SA, WA		
	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 [1]	
	Bittercress (*Coronopus didymus)* 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 [1] or Eclipse [1] or MCPA LVE or MCPA amine	Mixing partners with GENFARM FLUROXYPYR 400 EC HERBICIDE may reduce crop selectivity. Apply at crop growth sages according to the mixing partner's recommendation. See **Mixtures** 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 *(Physalis* spp.)	2 to 8 leaf, up to 15 cm tall	Qld, NSW	375 mL[2]	[1]Add Uptake* Spraying Oil (see **GENERAL INSTRUCTIONS**; Oils and surfactants). 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 **GENERAL INSTRUCTIONS;** compatibility section). [2]Delay treatment until the maximum number of shoots have emerged, but before the onset of fruiting (late summer). DO NOT 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.
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) *Ipomoea lonchophylla*	2 to 10 leaf up to 10 cm diameter			
Caltrope (yellow vine), including *Tribulus terrestris, T. maximus* and *T. microccus*	Up to 15 cm diameter		250 mL + 1.0 L Glyphosate 450	
Pigweed (*Portulaca oleracea)*	Up to 10 cm diameter		375 mL [1]	
	Up to 60 cm diameter		375 mL + 1.0 L Glyphosate 450	
Polymeria pusilla	2 to 10 leaf up to 20 cm diameter		500 mL[1] or 250 mL + 1.2 L Glyphosate 450	
Rhynchosia	Seedlings to early flowering		500 mL[1] or 190 mL + 800 mL Glyphosate 450	
Smallflower mallow or Marshmallow *(Malva parviflora)*	Up to 8 leaf up to 20 cm diameter		500 mL[1]	
Thornapples (*Datura* spp.)	2 to 8 leaf up to 15 cm diameter	Qld, NSW, WA	375 mL[1] or 250 mL + 1.2 L Glyphosate 450	
Sesbania pea	2 to 6 leaf up to 10 cm tall	Qld, NSW	750 mL[1] or 250 mL + 1.2 L Glyphosate 450	
Perennial Ground Cherry *(Physalis virginiana)*[w]	Bud to early flowering up to 20 cm tall		750 mL of 1.5 L[1]	
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)	Add Uptake Spraying Oil at the rate of 1 L/100 L spray mixture. To ensure maximum effect, delay application until the majority of shoots have emerged. 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.
Volunteer peanuts	Up to 15 cm diameter	Qld	500mL + 3.7L atrazine flowable (600 g/L)	Add a surfactant (see **General Instructions**; Oils and surfactants). **Important**: see **GENERAL INSTRUCTIONS;** compatibility section).
Volunteer sunflowers	2 to 5 leaf up to 20 cm	Qld, NSW	500mL	Add Uptake Spraying Oil (see **General Instructions**; Oils and surfactants section).

Table 6: Winter Fallow

WEEDS CONTROLLED	WEED GROWTH STAGE	STATE	RATE /100 L water
Bedstraw (*Galium tricornutum)*	Up to 5 whorl	Vic, SA, WA	500 mL[(1)]
Cleavers (*Galium aparine)*		NSW, Vic	
Black bindweed (Climbing buckwheat)	2 to 8 leaf up to 10 cm diameter	Qld, NSW	375 mL[(1)]
Common sowthistle (*Sonchus oleraceus)*	2 to 5 leaf up to 10 cm diameter		500 mL[(1)] or 250 mL + 600 mL Glyphosate 450
Prickly lettuce			
Spiny emex (Doublegee, Three cornered jack)	2 to 8 leaf		750 mL[(1)] or 250 mL[(2)] + 5 g Metsulfuron methyl (600 g/kg)
Wireweed	2 to 3 leaf up to 10 cm tall		750 mL[(1)] or 250 mL[(2)] + 5 g Metsulfuron methyl (600 g/kg) or 0.5[(2)] + 0.6 Glyphosate 450

CRITICAL COMMENTS
[(1)] Add Uptake Spraying Oil (see **GENERAL INSTRUCTIONS**; Oils and surfactants section). [(2)] Add Uptake or a surfactant (see **GENERAL INSTRUCTIONS**; 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 **GENERAL INSTRUCTIONS**; Compatibility Section).

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

CROP STAGE GROWTH	WEEDS CONTROLLED	WEED GROWTH STAGE	RATE /ha
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	**Ground**: 650 mL **Aerial**: 750 mL
	Bellvine Morning glory Red or pink convolvulus Star-of-Bethlehem		As above + 800 mL 2,4-D amine (625 g/L)

CRITICAL COMMENTS
For optimal weed control, delay application until just before the “close-in” stage. **Aerial application:** Apply in not less than 60 L/ha water and add Uptake Spraying Oil at 1L/100L spray mixture. **Ground application:** Apply in 100 – 400 L/ha water and add Uptake Spraying Oil at 300 mL/100L of spray mixture.

CROP STAGE GROWTH	WEEDS CONTROLLED	WEED GROWTH STAGE	RATE /ha	CRITICAL COMMENTS
From early tillering to maturity	Stinking passion flower	Established or ratoon plants with at least 1.0 m of regrowth	**High volume**: 225 mL/100 L water **Knapsack** 35 mL/15 L water	Thoroughly wet plants to the point of run-off.
	Milkweed (*Euphorbia heterophylla)*	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. **DO NOT** treat crops growing on sandy or stony soils **DO NOT** treat crops after the summer growing season (after end of March). To broaden the spectrum of weeds controlled, GENFARM FLUORXYPYR 400 EC Herbicide 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	**DO NOT** apply GENFARM FLUROXYPYR 400 EC HERBICIDE 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.

WITHOLDING PERIODS

CROPS AND PASTURES: DO NOT GRAZE FAILED CROPS AND TREATED PASTURES OR CUT FOR STOCK FOOD FOR 7 DAYS AFTER APPLICATION.

POPPIES: DO NOT SPRAY POPPIES LATER THAN 10 WEEKS BEFORE HARVEST.

OTHER CROPS: NOT REQUIRED WHEN USED AS DIRECTED.

MINIMUM RECROPPING PERIODS

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

NOTE: Before using GENFARM FLUROXYPYR 400 EC HERBICIDE 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.

GENERAL INSTRUCTIONS

MIXING

GENFARM FLUROXYPYR 400 EC HERBICIDE may be mixed with water or diesel.
Mix only sufficient chemical for each day's use and avoid storing.

Mixing in Water: Half fill the spray tank with water and add the required quantity of GENFARM FLUROXYPYR 400 EC HERBICIDE and complete filling. Agitate continuously to ensure thorough mixing before and during application.

Mixing in Diesel: Half fill the tank with diesel and add the required quantity of GENFARM FLUROXYPYR 400 EC HERBICIDE. Add the remainder of the diesel and agitate or shake to mix contents.

Tank mixtures: 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 (GENFARM FLUROXYPYR 400 EC HERBICIDE). Add spraying oils and surfactants (wetters) last.

OILS AND SURFACTANTS

Oils

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.

Surfactants (wetters)

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

COMPATIBILITY

GENFARM FLUORXYPYR 400 EC Herbicide is compatible with the herbicides listed. Follow any regional restrictions, and all directions and restrictions on the label, of any chemical mixed with GENFARM FLUROXYPYR 400 EC HERBICIDE.

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

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 GENFARM FLUROXYPYR 400 EC HERBICIDE AND ATRAZINE. GENFARM FLUROXYPYR 400 EC HERBICIDE 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 GENFARM FLUROXYPYR 400 EC HERBICIDE and atrazine.

TOPIK 240 EC

Always use Uptake Spraying Oil with GENFARM FLUROXYPYR 400 EC HERBICIDE + Topik 240 EC tank-mixes at 500 mL/100 L of spray mix with a minimum of 250 mL/ha.

DO NOT mix GENFARM FLUROXYPYR 400 EC HERBICIDE 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 GENFARM FLUROXYPYR 400 EC HERBICIDE at more than 0.75 L/ha in tank mixes with Topik 240 EC.

GLYPHOSATE 450

When mixing GENFARM FLUROXYPYR 400 EC HERBICIDE 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 GENFARM FLUROXYPYR 400 EC HERBICIDE, 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 GENFARM FLUROXYPYR 400 EC HERBICIDE 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^{0}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^2) 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^2 of surface area of plant. This is approximately equivalent to 20 droplets per cm^2 of the leaf surface. Use a marking agent as recommended by the equivalent manufacturer to check spray coverage.

C. Basal Bark and Cut Stump Application

Basal Bark

DO NOT apply to wet stems as this can repel the diesel mixture.

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.

Apply with a paint brush or a pressure sprayer with an approximate lance and solid cone nozzle. If using spray equipment use low pressures (< 200 kPa) sufficient to form a cone of spray.

Old rough bark will require more spray than smooth or young thin bark.

Cut Stump

Apply the recommended mixture liberally to the freshly cut stump immediately after cutting.

Apply by spraying or painting the cut surface and sides of the stump.

Best results are obtained when the stems are cut less than 15 cm above the ground.

CLEANING SPRAY EQUIPMENT

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

Cleaning equipment after using water-based sprays:

Rinsing: After using restrictions on the label, of any chemical mixed with GENFARM FLUROXYPYR 400 EC 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.

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.

Decontamination (before spraying cotton and other sensitive crops; see PROTECTION OF CROPS):

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.

Drain the whole system. Remove filters and nozzles and clean them separately. Finally flush the system with clean water and allow to drain.

Cleaning equipment after using diesel – based sprays:

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.

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. To clean brushes and containers, spray liberally with degreaser. Hose off with clean water and repeat using detergents as above.
DO NOT use this equipment for any other purpose.

GROUP I HERBICIDE

RESISTANT WEEDS WARNING
GENFARM FLUROXYPYR 400 EC 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.
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.
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.
Strategies to minimize the risk of herbicide resistance are available. Contact your farm chemical supplier, consultant, local Department of Agriculture, or Landmark representative.

PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS
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.
GENFARM FLUROXYPYR 400 EC HERBICIDE can be damaging to susceptible crops during both growing and dormant periods.
Grasses are normally unaffected by GENFARM FLUROXYPYR 400 EC HERBICIDE and establish quickly after treatment. Transitory damage can occur on some species particularly those that spread by stolons such as couch grass (*Cynodon dactylon*), Kikuyu grass and carpet grass (*Axonopus* sp.)
DO NOT allow spray to drift onto susceptible crops, shade trees and *Pinus* spp..
DO NOT use under weather conditions or from spraying equipment which could cause spray to drift onto nearby susceptible plants.

PROTECTION OF LIVESTOCK
DO NOT graze stock or cut treated crops or plants for food except as specified under withholding periods.
Poisonous plants may become more palatable after spraying therefore stock should be kept out of the area until the plants have died down.
DO NOT allow stock to re-enter paddocks containing treated poisonous plants, until the plants have died down.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT
DO NOT contaminate streams, rivers or waterways with the chemical or used containers.
Alongside waterways, treat only noxious weeds and poisonous plants.

STORAGE AND DISPOSAL
Storage for all containers
Store in closed, original container in a cool, well ventilated area. Do not store for prolonged periods in direct sunlight.

DISPOSAL
Recycled containers
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 before 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 a cap removed. It will then be acceptable for recycling at a drumMUSTER collection or similar container management site. The cap should not be replaced but may be taken separately.

Non-recycled containers
Triple or preferably pressure rise containers before disposal. Add rinsings to spray tank.
Do not dispose of undiluted chemicals on site. 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 waterways, desirable vegetation and tree roots.
Empty containers and product should not be burnt.

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

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 the wash liquid for disposal.

SAFETY DIRECTIONS
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.
After each day's use, wash gloves, face shield or goggles and contaminated clothing.

FIRST AID
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.

SAFETY DATA SHEET
For further information, refer to the Safety Data Sheet which is available from the supplier.

CONDITIONS OF SALE
The use of this product is beyond the control of Nutrien Ag Solutions Limited. Any provisions or rights under the Australian Consumer Law which cannot be excluded by law are not intended to be excluded by these conditions of sale. Subject to the foregoing, all warranties, conditions, rights and remedies expressed or implied under common law, statute or otherwise, in relation to the sale, supply, storage, use or application of this product are excluded. Nutrien Ag Solutions Limited does not accept any liability (including consequential loss and/or negligence) for any loss or damage connected with the sale, supply, storage, use or application of this product except for liability which cannot be excluded by statute.

Nutrien Ag Solutions Limited
Level 5, Building A, 26 Talavera Road,
Macquarie Park, NSW, 2113 • Tel: (02) 9889 5400
Product Support Tel: 1800 44 88 92