

blank page

CAUTION

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

ALBAUGH FLUROPIX 400 HERBICIDE

ACTIVE CONSTITUENT: 400 g/L FLUROXYPYR present as the METHYL HEPTYL ESTER
SOLVENT: 300 g/L LIQUID HYDROCARBON
100 g/L N-METHYL PYRROLIDONE

GROUP

4

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 THE ATTACHED LEAFLET/BOOKLET BEFORE USE

ALBAUGH AUSTRALIA PTY LTD
Level 1, 530 Little Collins Street,
Melbourne VIC 3000
Australia
Tel 03 9909 7183
www.albaugh.com/au

 **SELECTIVE
HERBICIDE**

 **ALBAUGH®**
your alternative

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
Bathurst burr, Noogoora burr	Seedlings and young plants up to 40 cm high	NSW, NT, Qld, WA only
Black bindweed (Climbing buckwheat)	Seedlings and young plants before flowering	NSW, Qld only
<i>Mimosa pigra</i>	Apply from mid to late summer	NT, WA only
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>)		
Cobblers pegs		
Cockspur thorn		
Creeping lantana		
Crofton weed, Mistflower	Seedlings and young plants up to flowering	
Docks (<i>Rumex</i> spp.)	Seedlings and rosettes up to 30 cm high	

RATE mL/ 100 L WATER	CRITICAL COMMENTS
38	Add Uptake* Spraying Oil (see General Instructions; Oils and surfactants).
150	
250	

HIGH VOLUME APPLICATION: Dilute product with water. See General Instructions – Application Method for application details		
WEEDS CONTROLLED	WEED GROWTH STAGE	STATE
Hexham scent	Seedlings and young plants up to flowering	NSW, Qld only
Honey locust	Seedlings and young plants up to 2 m high	
Small flowered mallow (Marshmallow) (<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 1.2 m high Plants and regrowth 1.2 to 2 m high	
Blue heliotrope	Flowering	
Limebush	Infestations up to 1.5 m high only	
Madeira vine	Apply at time of active growth	
Milkweed (<i>Euphorbia heterophylla</i>)	3 leaf to flowering	Qld only
Common sowthistle	Seedlings and young plants up to bolting	NSW, Qld only
Mother-of-millions (<i>Kalanchoe</i> spp.)	Seedling and young plants before flowering	
Prickly acacia	Seedling and young plants up to 2 m high	Qld only
<i>Sida</i> spp.	Seedling and young plants up to flowering	NSW, NT, Qld, WA only
Broadleaf Pepper tree (<i>Schinus terebinthifolius</i>)	Mature leaves, fruiting	Qld only
Flannel weed (<i>Sida cordifolia</i>)		
Snakeweed (Dark and light blue)	Seedling and young plants before flowering	
Stinking Passion Flower	Established plants and regrowth	Qld, NT, WA only
Wandering jew (<i>Tradescantia albiflora</i>)	Young plants up to and including flowering	All States
Wattles (including <i>Acacia aulacocarpa</i> , <i>A. decora</i> , <i>A. harpophylla</i> , <i>A. leiocalyx</i> , <i>A. salicina</i>)	Seeding plants or regrowth 0.5 to 1.2 m high Plants or regrowth 1.2 to 2.0 m high only	NSW, Qld only

RATE mL/ 100 L WATER	CRITICAL COMMENTS
250	Boom spray: Albaugh Fluropix 400 Herbicide at 0.3 L/ha + 0.5 L/ha of 2,4-D amine (500 g/L)
500	Apply to actively growing plants from October to April. Some regrowth may occur particularly when treating old woody plants with sparse canopies.
250	
500	Repeat applications will be necessary to control subsequent germinations.
250	Add a surfactant (see GENERAL INSTRUCTIONS; Oils and surfactants).
300	
375	Add Uptake* Spraying Oil (see GENERAL INSTRUCTIONS; Oils and surfactants). Consult Tropical Weeds Research Centre, Charters Towers, for specific advice on application.
500	
250	Winter application only.
375	Add Uptake* Spraying Oil (see GENERAL INSTRUCTIONS; Oils and surfactants).
225	Use 70 mL/15 L for a knapsack
750	Some regrowth will usually occur and will require re-treatment.
250	Apply to actively growing plants when soil moisture is plentiful.
500	Some regrowth may occur particularly when treating old woody plants with sparse canopies and under dry conditions.

BASAL BARK AND CUT STUMP APPLICATION: Dilute product with diesel. See General Instructions – Application Method for application details		
WEEDS CONTROLLED	WEED GROWTH STAGE	STATE
Celtis (<i>Celtis sinensis</i>)	Basal Bark only: Young plants up to 2 m high and 20 cm basal diameter	Qld only
Chinese apple	Up to 15 cm basal diameter	
Cockspur thorn	Basal Bark only: Up to 5 cm basal diameter	
Mimosa bush (<i>Acacia farnesiana</i>)	Up to 5 cm basal diameter	Qld, WA only
Prickly acacia	Up to 10 cm basal diameter	Qld only
Honey locust	Plants up to 10 cm basal diameter Plants 10 to 20 cm basal diameter Plants >20 cm basal diameter	Qld, NSW only
Sisal hemp (<i>Agave</i> spp.)	All growth stages	

TABLE 1: Woody Weeds in Agricultural Non-Crop Areas and Rights-of-Way, Commercial and Industrial Areas, Forests and Pastures (continued)

BROADCAST AND AERIAL APPLICATION: Dilute product with water. See General Instructions – Application Method for application details		
WEEDS CONTROLLED	WEED GROWTH STAGE	STATE
<i>Mimosa pigra</i>	Actively growing plants	NT, WA only
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
Limebush	Isolated bushes up to 1.2 m high only	NSW, Qld only
Tree violet (<i>Hymenanthera dentata</i>)	Apply from late flowering to green fruit up to 1.2 m high	NSW only

RATE L/100 L DIESEL	CRITICAL COMMENTS
1.8	Treat stems from ground level to where multi-stemmed trunks branch.
1.5	With basal bark, treat circumference of stem to a height of 45 cm from the ground. Contact the Land Protection Branch, Department of Lands, Qld, for further information on Chinese Apple.
1	With basal bark, treat circumference of stem to a height of 45 cm from the ground. For cut stump application use a rate of 5 L/100 diesel for all plant sizes. Contact the Land Protection Branch, Department of Lands, Qld, for further information on Honey Locust.
1.5	
0.75	
0.75	With basal bark, treat circumference of stem to a height of 45 cm from the ground. For cut stump application use a rate of 5 L/100 diesel for all plant sizes. Contact the Land Protection Branch, Department of Lands, Qld, for further information on Honey Locust.
1.5	
2.5	
1.5	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.
RATE L/ha WATER	CRITICAL COMMENTS
1.5	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.
RATE mL/10 L WATER	CRITICAL COMMENTS
500	Apply a 50 mL dose per 5 m ² of bush surface area. Apply a 50 mL dose per cubic metre of bush.

TABLE 2: Established Grass Pastures

WEEDS CONTROLLED	WEED GROWTH STAGE	STATE
Blue billygoat weed, Common sensitive plant, Giant sensitive plant, Spinyhead sida	Apply before flowering	Qld, WA only
St John's wort	Apply from bud to full bloom (usually late Nov to early Jan)	ACT, NSW and Vic only
Silverleaf nightshade	From onset of flowering to early berry - set (usually spring to mid-summer)	NSW only

TABLE 3: Sorghum, Maize, Millets and Sweet Corn (NSW and Qld only)

CROP	CROP GROWTH STAGE	WEEDS CONTROLLED	WEED GROWTH STAGE
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 15 to 30 cm tall
		Apple-of-Peru	Seedling plants up to 15 cm tall
		Bathurst burr, Noogoora burr	2 to 8 leaf Up to 20 cm tall 20 to 50 cm tall
		Pigweed (<i>Portulaca oleracea</i>)	Up to 10 cm diameter 10 to 30 cm diameter
Maize and Sweet corn	Apply when secondary roots are present, from 3 fully expanded leaves (10 cm tall) up to just before tasselling (see CRITICAL COMMENTS)	Sesbania pea	2 to 6 leaf Up to 10 cm tall
Millets	Spray when secondary roots have developed, usually early to mid-tillering, and not later	Silverleaf nightshade (NSW only) (1)	Full flower to early berry
		Starburr (<i>Acanthospermum hispidum</i>) (Qld only)	Up to 12 leaf and before flowering
		Thornapples (<i>Datura</i> spp.)	2 to 8 leaf Up to 15 cm tall
		Volunteer Sunflower	2 to 5 leaf Up to 20 cm tall

RATE L/Ha	CRITICAL COMMENTS
0.75	Add Uptake Spraying Oil at 1 L/ha
1.5	Some regrowth will occur. Treat regrowth the following season for best results. Use at least 200 L water/ha.
375 mL or 190 mL + 1.2 - 1.6 L 2,4-D amine 625	Add Uptake Spraying Oil at 1 L/ha. To ensure maximum effect, delay the application until the majority of shoots have emerged. Follow-up treatment of regrowth is critical for best control.

RATE mL/Ha	CRITICAL COMMENTS
250	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).
375	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).
250	Millets: DO NOT use mixes with atrazine. (1) This treatment may be slightly damaging to the crop.
375	To minimise crop damage apply using dropper nozzles at all crop stages.
250	
375	
750	
375 + LI 700 at 300 mL/100 L	
750 or 375 + 1.6 L atrazine (600 g/L)	
375	
500	

AC DOZER HERBICIDE IN TANK-MIXES WITH ATRAZINE: SORGHUM, MAIZE AND SWEET CORN.			
CROP	CROP GROWTH STAGE	WEEDS CONTROLLED	WEED GROWTH STAGE
Sorghum Maize and Sweet corn	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
		<i>Euphorbia davidii</i>	Cotyledons to 4 nodes up to 15 cm
		Volunteer peanuts	Up to 15 cm diameter
SWEET CORN : TASMANIA ONLY			
CROP	CROP GROWTH STAGE	WEEDS CONTROLLED	WEED GROWTH STAGE
Sweet Corn only	3 to 5 leaf	Blackberry nightshade, Volunteer potatoes	3 to 5 leaf

RATE L/Ha	CRITICAL COMMENTS
250 mL + 1.2 L of atrazine flowable (600 g/L) or 375 mL + 1.6 L of atrazine flowable (600 g/L)	Use the low rate (0.5 + 1.5 L) when weeds are small (5-7 cm tall/ diameter). Use the high rate (0.75 + 2 L) when the weeds are larger (7 - 15 cm tall/ diameter). Albaugh Fluropix 400 Herbicide is generally more compatible with Liquid atrazine products (see GENERAL INSTRUCTIONS; compatibility section). Add a surfactant (See GENERAL INSTRUCTIONS; Oils and surfactants). DO NOT add an oil to mixtures of Albaugh Fluropix 400 Herbicide and atrazine.
500 mL + 1.6 L atrazine flowable (600 g/L)	
500 mL + 3.7 L atrazine flowable (600 g/L)	
RATE L/Ha	CRITICAL COMMENTS
500 mL	

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

CROP GROWTH STAGE	WEEDS CONTROLLED	WEED GROWTH STAGE	STATE	RATE mL/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 only	500	(1)Add either Uptake or a surfactant (see GENERAL INSTRUCTIONS: Oils and surfactants).
	Cleavers (<i>Galium aparine</i>)		NSW, Vic only		
	Black bindweed (Climbing buckwheat)	2 to 4 leaf	NSW, Qld only	250 (1)	Useful suppression only.
		2 to 6 leaf		375 or 250 + 5 g Metsulfuron methyl (1)	Mixtures: Mixing partners with Albaugh Fluropix 400 Herbicide may reduce crop selectivity. Apply at crop growth stages according to the mixing partner's recommendation.
	Common sowthistle (<i>Sonchus oleraceus</i>)	2 to 5 leaf		500	
	Deadnettle	2 to 6 leaf		750 or 250 + 5 g Metsulfuron methyl (1)	
	Spiny emex (Doublegee, Three cornered jack)	2 to 4 leaf	NSW, SA, Qld, WA only	750 or 250 + 5 g Metsulfuron methyl (1)	
	Prickly lettuce	2 to 5 leaf	NSW, Qld, Tas, Vic, WA only	500	
	Volunteer lupins	2 to 8 leaf	NSW, Vic, WA only	750	Plants 15 to 30 cm tall will only be suppressed.
	Volunteer potato	10 to 15 cm tall	WA and Tas only		
	Wireweed	2 to 3 leaf	NSW, Qld, SA, Tas, Vic, WA only	250 + 5 g Metsulfuron methyl (1)	
			NSW and Qld only		
	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, SA, Tas, WA only	250 to 750 + Metsulfuron methyl (1) or Eclipse (1) or MCPA LVE or MCPA amine	The Albaugh Fluropix 400 Herbicide rate depends on what other weeds are present as listed above. 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
Annual ground cherry, Wild gooseberry (<i>Physalis</i> spp.)	2 to 8 leaf, up to 15 cm tall	NSW, Qld only
Bathurst burr, Noogoora burr	2 to 8 leaf, up to 20 cm tall	NSW, Qld, Vic, WA only
Bellvine	Pre-flowering	NSW, Qld only
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	
Pigweed (<i>Portulaca oleracea</i>)	Up to 10 cm diameter	
	Up to 60 cm diameter	
<i>Polymeria pusilla</i>	2 to 10 leaf up to 20 cm diameter	
Rhynchosia	Seedlings to early flowering	
Smallflower mallow or Marshmallow (<i>Malva parviflora</i>)	Up to 8 leaf up to 20 cm diameter	NSW, Qld, WA only
Thornapples (<i>Datura</i> spp.)	2 to 8 leaf up to 15 cm diameter	
Sesbania pea	2 to 6 leaf up to 10 cm tall	
Perennial Ground Cherry (<i>Physalis virginiana</i>)(w)	Bud to early flowering up to 20 cm tall	NSW Qld only
Silverleaf nightshade	Full flower to early berry-set (usually Dec – Feb)	NSW only
Volunteer peanuts	Up to 15 cm diameter	Qld only
Volunteer sunflowers	2 to 5 leaf up to 20 cm	NSW, Qld only

RATE mL/Ha	CRITICAL COMMENTS
375	(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.
250 + 1.2 L Glyphosate 450	
250 + 1.0 L Glyphosate 450	
375	
375 + 1.0 L Glyphosate 450	
500 or 250 + 1.2 L Glyphosate 450	
500 or 190 + 800 mL Glyphosate 450	
500	
375 or 250 + 1.2 L Glyphosate 450	
750 or 250 + 1.2 L Glyphosate 450	
750 or 1.5 L	
375 or 190 + 1.2 L – 1.6 L 2,4-D amine (500 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.
500 + 3.7 L atrazine flowable (600 g/L)	Add a surfactant (see GENERAL INSTRUCTIONS; Oils and surfactants). Important: see GENERAL INSTRUCTIONS; compatibility section).
500 mL	Add Uptake Spraying Oil (see GENERAL INSTRUCTIONS; Oils and surfactants section).

TABLE 6: Winter Fallow

WEEDS CONTROLLED	WEED GROWTH STAGE	STATE
Bedstraw (<i>Galium tricornutum</i>)	Up to 5 whorl	Vic, SA, WA only
Cleavers (<i>Galium aparine</i>)		NSW, Vic only
Black bindweed (Climbing buckwheat)	2 to 8 leaf up to 10 cm diameter	NSW, Vic only
Common sowthistle (<i>Sonchus oleraceus</i>)	2 to 5 leaf up to 10 cm diameter	
Prickly lettuce	2 to 8 leaf	
Spiny emex (Doublegee, Three cornered jack)	2 to 8 leaf	NSW, Qld only
Wireweed	2 to 3 leaf up to 10 cm tall	

TABLE 7: Sugar Cane (Qld, NSW, NT and WA only)

CROP GROWTH STAGE	WEEDS CONTROLLED	WEED GROWTH STAGE
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
	Bellvine, Morning glory, Red or pink convolvulus, Star-of-Bethlehem	
	Stinking passion flower	Established or ratoon plants with at least 1.0 m of regrowth
	Milkweed (<i>Euphorbia heterophylla</i>)	Seedlings and young plants up to flowering.

RATE mL/Ha	CRITICAL COMMENTS
500	(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 Glyphosate 450 label for use rates and adjuvants recommended for the grasses (see GENERAL INSTRUCTIONS; Compatibility Section).
375	
500 or 250 + 600 mL Glyphosate 450	
750 or 250 + 5 g Metsulfuron methyl (600 g/kg)	
750 or 250 (2) + 5 g Metsulfuron methyl (600 g/kg) or 500 + 600 mL Glyphosate 450	

RATE mL/ha	CRITICAL COMMENTS
Ground: 650 Aerial: 750	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 1 L/100 L spray mixture. Ground application:
As above + 800 mL 2,4-D amine 625	Apply in 100 - 400 L/ha water and add Uptake Spraying Oil at 500 mL/100 L of spray mixture
High volume: 225 mL/100 L water Knapsack: 35 mL/15 L water	Thoroughly wet plants to the point of run-off.
1.5 L or 1.15 L + 3.3 L 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 only)

CROP STAGE GROWTH	WEEDS CONTROLLED	WEED GROWTH STAGE
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
	Pigweed	Up to 10 cm diameter

TABLE 9: Poppies (Tas only)

CROP STAGE GROWTH	WEEDS CONTROLLED	WEED GROWTH STAGE
4 to 6 leaf	Cleavers, Fumitory	2 to 6 leaf
	Shepherd's purse, Wireweed	
8 to 10 leaf	Common sowthistle, Prickly lettuce	2 to 5 leaf
	Black nightshade	Cotyledon to 4 leaf
	Fumitory	6 to 10 leaf
	Volunteer potato	From tuber initiation to flower bud

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

Withholding Periods:

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

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

OTHER CROPS: NOT REQUIRED WHEN USED AS DIRECTED

RATE mL/ha	CRITICAL COMMENTS
250	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, Albaugh Fluropix 400 Herbicide can be mixed with 2,4-DB Amine.

RATE mL/ha	CRITICAL COMMENTS
500	
500 + 5 L Asulox	
500	DO NOT apply Albaugh Fluropix 400 Herbicide to poppies later than the 8 to 10 leaf growth stage as a reduction of alkaloid content could occur.
750	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.

GENERAL INSTRUCTIONS
MINIMUM RE-CROPPING PERIODS

PLANT-BACK PERIODS FOR CROPS FOLLOWING THE APPLICATION OF ALBAUGH FLUROPIX 400 HERBICIDE FOR RATES UP TO 750 mL/ha			
RATE mL/ha	190	375	750
CROP	DAYS		
Barley, Wheat, Chickpea, Sunflower, Maize, Sorghum	7	7	7
Soybean	7	7	14
Cotton	14	14	28

NOTE: Before using Albaugh Fluropix 400 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.

MIXING
Albaugh Fluropix 400 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 Albaugh Fluropix 400 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 Albaugh Fluropix 400 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 (Albaugh Fluropix 400 Herbicide). Add spraying oils and surfactants (wettters) last.

Oils and Surfactants
Oils 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 (wettters)
LI to be used at 300 mL/100 L.
Use a 100% concentrate non-ionic surfactant at 100 mL/100 L of spray mix where required.

COMPATIBILITY
Albaugh Fluropix 400 Herbicide is compatible with the herbicides listed. Follow any regional restrictions, and all directions and restrictions on the label, of any product mixed with Albaugh Fluropix 400 Herbicide.
Atrazine (see below), Glyphosate 360, Metsulfuron methyl (600 g/kg), Glyphosate 450, Broadstrike, cloquintocet-mexyl/clodinafop-propargyl (see below), Eclipse, Tordon 75-D, Diclofop methyl, Tordon 242, Triclopyr (600 g/L), Touchdown, Lontrel, 2,4-D, MCPA, 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 Albaugh Fluropix 400 Herbicide and ATRAZINE.
Albaugh Fluropix 400 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 Albaugh Fluropix 400 Herbicide and atrazine.

Guidelines for Tank - Mixing Albaugh Fluoripix 400 Herbicide and Atrazine Formulations						
Tank Mix	Rate (/Ha)	Water Hardness		Minimum Water Volume (L/Ha)		Critical Comments
		Soft	Hard (1026 ppm Ca)	Ground	Aerial	
Albaugh Fluoripix 400 Herbicide+ Atrazine (900 g/kg) WG Herbicide	375 mL +1.1 kg	√	√	100	Do not use	Sediment may be difficult to resuspend and may block nozzles.
Albaugh Fluoripix 400 Herbicide +Atrazine (600 g/L)	375 mL + 1.7 L	√	√	100	Do not use	

Cloquintocet-Mexyl/Clodinafop-Propargyl
Always use Uptake Spraying Oil with Albaugh Fluropix 400 Herbicide + Cloquintocet-mexyl/clodinafop-propargyl tank-mixes at 500 mL/100 L of spray mix with a minimum of 250 mL/ha. DO NOT mix Albaugh Fluropix 400 Herbicide with Cloquintocet-mexyl/clodinafop-propargyl if the grass weeds are not actively growing. Always use the maximum label rate of Cloquintocet-mexyl/clodinafop-propargyl for the appropriate grass growth stage. DO NOT use Albaugh Fluropix 400 Herbicide at more than 0.75 L/ha in tank mixes with Cloquintocet-mexyl/clodinafop-propargyl.
Glyphosate 450
When mixing Albaugh Fluropix 400 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 Albaugh Fluropix 400 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 Albaugh Fluropix 400 Herbicide with an accurately calibrated boom sprayer, in at least 50 L/ha water (100-400 L/ha for sugar cane). Flat fan 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 manufacturer's 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/100 m²) 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 50 mL shots to cover 4 to 5 m² of surface area of plant. This is approximately equivalent to 20 droplets per cm² 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 appropriate 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 Albaugh Fluropix 400 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/100 L 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/10 L 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.

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.

RESISTANT WEEDS WARNING

GROUP	4	HERBICIDE
-------	---	-----------

Albaugh Fluropix 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 4 Herbicide. Some

naturally-occurring weed biotypes resistant to the product can other Group 4 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 4 Herbicides. Since the occurrence of resistant weeds is difficult to detect prior to use, Albaugh Australia Pty Ltd accepts no liability for any losses that may result from the failure of this product to control resistant weeds. Strategies to minimise the risk of herbicide resistance are available. Contact your farm chemical supplier, consultant, local Department of Agriculture, or Albaugh Australia Pty Ltd.

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. Albaugh Fluropix 400 Herbicide can be damaging to susceptible crops during both growing and dormant periods. Grasses are normally unaffected by Albaugh Fluropix 400 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.

PROTECTIONS OF LIVESTOCK

DO NOT graze or cut treated crops or plants for food except as specified under withholding periods. Poisonous plants may become more palatable after spraying. 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 of waterways with chemical or used containers.

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 (1 L, 5 L, 20 L)

Triple or preferably pressure rinse containers before disposal. Add rinsings to tank. Do not dispose of 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 for appropriate disposal to an approved waste management facility. If an approved waste management facility is not available bury the empty packaging 500 mm 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 or product.

Refillable Containers (60 L, 200 L, 500 L, 1000 L)

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

110 L Mini Bulk Returnable Container

Do not tamper with the Micro Matic valve or security seal. DO NOT contaminate the Envirodrum with water or any foreign matter. After each use of the product, please ensure that the Micro Matic coupler, delivery system and hoses

are disconnected, triple rinsed with clean water and drained accordingly. When the contents of the Envirodrum have been used, please return the empty container to the point of purchase. This drum remains the property of Albaugh Australia Pty Ltd.

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, face shield or goggles. Wash hands after use. After each day's use, wash gloves, face shield or goggles and contaminated clothing.

FIRSTAID

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia: 13 11 26). If swallowed, do not induce vomiting. Give a glass of water. If in eyes, wash out immediately with water.

SAFETY DATA SHEET

Additional information is listed in the safety data sheet (SDS) which is available from the supplier and accessible from the Albaugh website albaugh.com/au

TERMS AND CONDITIONS OF SUPPLY, SALE AND USE

Many factors can affect or influence the activity of this product, including, but not limited to: weather and soil conditions, crop variety, treatment timing, water volume, application rates, spraying techniques, crop rotation, regional factors, and the occurrence and development of strains resistant to the active ingredient. Under certain circumstances, changes in activity or crop damage can occur. The manufacturer or supplier is unable to accept liability in these circumstances. All goods supplied by us are of a high grade and we believe them to be suitable for the purpose for which we expressly supply them: but we cannot exercise any control over their mixing, use or application which may affect the performance of the goods. All conditions and warranties statutory or otherwise as to the quality or fitness for any purpose of our goods are excluded and no responsibility will be accepted by us for any damage or injury whatsoever arising from their storage, handling, application, or use. These conditions cannot be varied by our staff, agents, or the re-sellers of the product whether or not they supervise or assist in the use of such goods.

APVMA Approval Number: 81092/141581