

# POISON

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



ACTIVE CONSTITUENT: 625 g/L 2, 4-D  
PRESENT AS THE DIMETHYLAMINE AND DIETHANOLAMINE SALTS

**GROUP I HERBICIDE**

For the control of broadleaved weeds in fallow before direct drilling or sowing of cereals and pastures, and in cereal crops, pastures, sugar cane, peanuts and non-agricultural areas as per the Directions for Use.

This is a PHENOXY HERBICIDE that can cause severe damage to susceptible crops such as cotton, grapes, tomatoes, oilseed crops and ornamentals.

IMPORTANT: READ THIS LEAFLET BEFORE USE

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## DIRECTIONS FOR USE

### RESTRAINTS:

DO NOT spray if rain seems likely within 6 hours or if strong winds prevail.  
DO NOT apply if crop or weeds are stressed due to dry or excessively moist conditions.

### 1. FIELD CROPS

SITUATION & CROP	WEEDS	STATE	RATE	CRITICAL COMMENTS
Wheat	Refer Weed Table	NSW, ACT, SA only	320 mL-1.7 L/ha	Apply after the first node can be felt above of a tiller and before swelling of the head can be felt in a tiller (NSW, SA only).
		Vic only	225 mL-1.4 L/ha	
Barley	Refer Weed Table	NSW, ACT, SA only	320 mL-1.4 L/ha	Apply from tillering to boot stage (Vic only).
		Vic only	225 mL-1.4 L/ha	
Cereal Rye, Triticale	Refer Weed Table	NSW, ACT, SA only	320 mL-1.4 L/ha	Apply at 5 leaf to fully tillered (Tas only).
		Vic only	225 mL-1.4 L/ha	
Oats	Refer Weed Table	NSW, ACT, SA only	320 mL-800 mL/ha	Apply from the 5 leaf stage up to jointing (Zadoks 15-33). Apply after the 6 leaf stage (Z 16) for Cranbrook, Jacup, Arona and Spear wheat and Mortlock oats to avoid possible damage. DO NOT spray if lucerne is present. WEED STAGE: 10-15 cm. Docks should not be sprayed before 5 leaf stage. Cape Tulip - low rates for cornicis only.
		Vic only	225 mL-800 mL/ha	
Cereals: Wheat, Oats, Barley	Cape Tulip	WA only	640 mL-1.3 L	Apply from the 5 leaf stage up to jointing (Zadoks 15-33). Apply after the 6 leaf stage (Z 16) for Cranbrook, Jacup, Arona and Spear wheat and Mortlock oats to avoid possible damage. DO NOT spray if lucerne is present. WEED STAGE: 10-15 cm. Docks should not be sprayed before 5 leaf stage. Cape Tulip - low rates for cornicis only.
	Dock, Flatweed, Saffron Thistle	WA only	800 mL	
Cereals: Wheat, Oats, Barley	Indian Hedge Mustard, London Rocket, Lupin, Rapistrum, Wild Radish	WA only	800 mL	Apply from the 5 leaf stage up to jointing (Zadoks 15-33). Apply after the 6 leaf stage (Z 16) for Cranbrook, Jacup, Arona and Spear wheat and Mortlock oats to avoid possible damage. DO NOT spray if lucerne is present. WEED STAGE: 10-15 cm. Docks should not be sprayed before 5 leaf stage. Cape Tulip - low rates for cornicis only.
	Wild Turnip		640 mL	
Cereals: Wheat, Oats, Barley	Capeweed, Doublegee, Erodium, London Rocket, Lupin, Mustard, Rapistrum, Wild Radish, Wild Turnip		200 mL/ha plus 500 mL/ha diuron (500 g/L)	Apply when crop has 4-5 leaves and most weeds have germinated and are in 2-5 leaf stage. Crop and weeds should be dry at time of application. Some temporary yellowing of crop may occur after application. Undersown sub-clovers may be slightly retarded. DO NOT apply to undersown medic.
			640 mL	
Wheat, Barley	Wild Radish	Vic, SA, ACT, NSW only	80 mL/ha plus 850 g/ha methabenzthiazuron (700 g/kg)	Spray 2-6 weeks after sowing and not later. DO NOT use on crops undersown with lucerne. Do not use on Panoramia Millet or Panicum.
Fallow, Stubble Spray prior to Direct Drilling or Sowing, Winter cereals, Grain legumes (peanuts - Qld only) and Canola	Refer Weed Table	All States	225 mL - 1.7 L	Observe plant back periods given in the table in this leaflet. Can be mixed with chlorsulfuron, paraquat, paraquat/diquat where grasses are present. Select appropriate rate from Weed Table. For Skeleton Weed, spraying should only be done 6-8 weeks before anticipated sowing date and subsequent cultivation limited to a minimum.
Millett	Refer Weed Table	NSW, SA, ACT, Vic only	560 mL - 1.1 L	Spray when secondary roots have developed, when fully tillered and before heads start to form at the base of the tillers. Do not use on Panoramia Millet or Panicum.
			560-990 mL	
Succaline, Broom Millet, Millet, Grain Sorghum	Cape Tulip, Dock, Saffron, Thistle, Indian Hedge, Mustard, London Rocket, Rapistrum, Lupin, Wild Radish, Wild Turnip	WA only	1.1 L	Spray when crop is 10-30 cm high and secondary roots have developed and before tasselling. Apply as direct spray to weeds.
Sugar Cane (Q80, Q86, H56 varieties)	Bell Vine	Qld, NSW only	280 mL/100 L water	Apply in spring, using directed spray.
	Morning Glory		560 mL-1.1 L/ha	
Sugar Cane	Pink Convolvulus, Star Of Bethlehem		1.1 L/ha	Apply in autumn by aircraft.
	Bindy Eye (Star Burr), Blue Top, Cobblers Pegs, Flea-banes, Jute, Laucas Needle Burr, Spear Thistle, Water Primrose, Ipomea Vines, Convolvulus Vines	Qld only	1.8 L-3.5 L/ha	
Peanuts	Broadleaved weeds, except Noogoora Burr, grasses except Mossman Burr	Qld only	1.8-3.6 L	LOWER RATE: Apply as BAND SPRAY as soon as possible after planting in a 55cm band. HIGHER RATE: Apply as OVERALL SPRAY after planting and before crop emergence. Some crop damage may occur if heavy rain falls between application and crop emergence.
			1.8-3.6 L	
Harvest Aid or Salvage Spray - Winter Cereals	Desiccate Broadleaved Weeds Refer Weed Table	All States	1.2-1.7 L	Apply after dough stage.
Bananas	To destroy Banana suckers	Qld only	160 mL/10 L water	Inject at the rate of 15 mL per fully grown plant, 10 mL per medium sized plant and 5 mL for small suckers.
			320/100 L water	
Common Stylo forage or seed crops	Refer to Weed Table	Qld only	800 mL	Apply post-emergence when weeds are 3 weeks old and crop is at least 3 weeks old.
	Caribbean Stylo forage or seed crops		800 mL-1.6 L	

### 2. PASTURES, NON-AGRICULTURAL, RIGHTS OF WAY, INDUSTRIAL, LAWNS

SITUATION	WEEDS CONTROLLED	STATE	RATE VOLUME per ha	CRITICAL COMMENTS
Pastures and non-agricultural	Refer to Weed Table	NSW, Qld, SA, ACT, Tas only	560 mL-1.7L	Pasture legumes including Lucerne clovers and medic may be damaged unless well protected by grasses. Spot spraying is preferred.
	Glavanised Burr	NSW, ACT only	320 mL/100 L water	Apply to young actively growing weeds. Ensure thorough and even coverage of plants. Note: Treated plants need to be burnt to destroy spores.
	Amsinckia, Docks, Bindweed, Caltrop, Flatweed, Spear Thistle, Capeweed, Double gee, Mustard, Wild Radish, Wild Turnip, Annual Thistles, Paterson's Curse	WA only	1.1-2.4 L	For pastures not containing legumes. Only seedling weeds. Do not spray if lucerne is present. For lucerne, use the rate in the table below. WINTER WEEDS: Use low rate for seedlings, 1.6-2.4 L/ha for larger plants. Stock poisoning may occur when grazed after spraying if large amounts present, particularly Heliotrope. WINTER WEEDS: Use low rate for seedlings, 1.6-2.4 L/ha for larger plants. If stock present, use spray/grazing rates.
	Algan melons		1.6 L plus 1% crop oil	Spray when plants are actively growing preferably before flowering or vining.
	Paddy melons		800mL - 1.1 L	Spray when plants are small.
	Prickly Saltwort (Roly Poly)		1.6 L	Best results are obtained when plants are small. Use high rate on larger plants.
	Stinkwort		1.6-3.2 L plus surfactant	Spray after good emergence of seedlings.
	Dove Weed		3.2 L	Spot spraying. For conseed clovers and other wet plants and seedlings. Cut stump: Apply or paint undiluted 2,4-D Amine 625 to freshly cut stumps.
Pastures, Rights of Way and Industrial	Boxthorn, Banned, Hawthorn	Vic, SA only	80 mL/10 L water	MISTING: Lightly wet plants.
			Undiluted	HIGH VOLUME: Thoroughly wet plants.
	Groundsel	NSW, Qld, ACT, SA only	950 mL/15 L water	CUT STUMP: Swab the cut stump immediately. Apply by a pouring can or knapsack spray.
		Tas only	320 mL/100 L water	AERIAL APPLICATION: Spray when Groundsel is actively growing.
	Lantana	NSW, Qld, ACT, SA only	320 mL/100 L water	Use a coarse spray with sufficient pressure to penetrate canopy and wet stems as well as foliage. Spray at the end of a wet summer (March to May). Defoliation should occur but respraying of new growth will be necessary in following Autumn. Broadcast grass seed and keep stock off following summer to allow the pasture to establish. Damage may result to pasture legumes.
	Mother of Millions	NSW only	400 mL/100 L water	Handgun and Knapsack only. A thorough coverage of leaves and plantlets is necessary. Use 1000 g/L non-ionic surfactant at the rate of 1 mL of surfactant per 1 L mixture.

SITUATION	WEEDS CONTROLLED	STATE	RATE VOLUME per ha	CRITICAL COMMENTS
Pastures, Rights of Way and Industrial (continued)	Noogoora Burr, Wei Vine (pomeoe), Scarlet Pimpernel (seedlings only), White eye (Mexican Clover)	Qld only	160 mL/100 L water	In all cases apply to young, actively growing weeds, ensuring thorough coverage.
	Annual and Perennial Pigweed, Artichoke Thistle, Billygoat Weed, Blue Snake Weed, Burr Medic, Clockweed*, Fleabanes, Galvanised Burr, Hemlock, Hoary Cress*, Kyalinga Weed (Whisker Grass), Knobweed, Milky Cotton Bushes, Parthenium Weed, Paterson's Curse, Saffron Thistle, Star Burr, Thornapple, Variegated Thistle*	Qld only	320 mL/100 L water	In all cases apply to young, actively growing weeds, ensuring thorough coverage. *Spray rosette stage. *repeat spraying as necessary.
	Rubber Vine	Qld only	160 mL/10 L water	Apply to freshly cut stump.
	Sesbania Pea		560 mL-900 mL/ha	
	Water Hyacinth		3.5-5.3 L/ha	Apply in 2,200 to 3,300 L water/ha
	Wild Tobacco Tree		240 mL/15 L water	Cut Stump Treatment: Swab cut stump within 1 hour of cutting. Apply by pouring can or knapsack sprayer.
Conservation Tillage - Direct drilling, surface sowing or fallow maintenance	Charlock, Mustards, Shepherds Purse, Saffron, Slender, Spear and Variegated Thistles*, Turnip weed, Wild Radish, Wild Turnip, Clover, Sorrel	All States	560 mL-1.6 L	Apply to actively growing young plants. Before sowing: Observe plant back periods given in the table on this leaflet. * Warning: Treated plants may become toxic to stock.
	Amsinckia, Thistles, Capeweed, Doublegee, Mustards, Paterson's Curse, Wild Turnip, Wild Radish, Docks, Geranium, Erodium	SA only	560 mL/ha	Apply from 6 weeks after opening rains in Autumn until the end of August. Seven days after spraying stock paddock at 4-5 times normal rate, preferably with sheep. Maintain this level of grazing for 6 weeks or until pasture shows signs of over grazing, then return to normal stocking levels. Use high stocking rates in following Spring to prevent weeds from flowering. Repeat treatments may be required for 2-3 years for complete control.
	Annual Thistles, Capeweed, Doublegee, Mustards, Paterson's Curse, Wild Turnip, Saffron Thistle, Spear Thistle, Geranium, Slender Thistle	Tas, Vic only		
	Amsinckia, Docks (seedling only), Capeweed, Doublegee, Mustard, Wild Radish, Wild Turnip, Paterson's Curse, Annual Thistles	WA only	600-800 mL/ha	Spray actively growing 6-8 week old weeds. Introduce stock 7-10 days after spraying, preferably sheep (cattle are less effective). Stocking rate should be at least 5 times heavier than normal until weeds have been reduced, but before survival of desirable pasture species is threatened. Lucerne and medic may be damaged and should be grazed short before spraying. Other legumes may be affected.
	Melons		1.6 L/ha + 1% oil	Heavy stocking on young plants sprayed with 800 mL/ha provides effective control.
	Docks	Vic only	1.1 L/ha	Apply in September only and follow other recommendations above.
	Caltrop, Capeweed, Charlock, Mustards, Paterson's Curse, Shepherds Purse, Saffron, Slender, Spear or Variegated Thistles*, Turnip Weed, Wild Radish, Wild Turnip	NSW, ACT only	280 mL-1.1 L/ha	Wet foliage thoroughly. DO NOT mow lawn for 1 week before and at least 1 week after application. DO NOT use on buffalo grass (WA only).
Lawns, playing fields	Refer Weed Table	Qld, NSW only	1.5-3.0 mL/1 L water or 1.6-3.2 L/ha	
		WA only	40 mL per 10-15 L water/100 m²	

### 3. SPOT SPRAYING

SITUATION & CROP	WEEDS	STATE	MIXING RATE/COMMENTS
High volume spraying	Refer Weed Table	All states	Add 1/10th of rate on weed table to 150L of water. Each 150L of mix will cover 1000m² (1/10 <sup>th</sup> ha) e.g. if rate in weed table is 1.4L use 140mL/150L water.
Knapsack application			Add 1/100th of rate on weed table to 10L of water. Each 10L of mix will cover 100m² (1/100 <sup>th</sup> ha) e.g. if rate in weed table is 1.4L use 14mL/10L water.

### MAXIMUM TOLERANCE FOR USE IN WHEAT, BARLEY, OATS, AND TRITICALE INCLUDING TOLERANCE FOR UNDERSOWN LEGUMES

Crop	Qld	NSW, ACT	Vic Early tillering (Z15-35)	Vic Tillered boot stage (Z15-35)	SA	WA Tilled to boot (Z15-35)	Tas Tilled to boot (Z15-35)
Cereal Rye	-	-	-	-	1.4 L/ha	-	-
Wheat	1.8 L/ha	1.7 L/ha	225 mL/ha	1.4 L/ha	1.7 L/ha	1.7 L/ha	1.7 L/ha
Barley	1.4 L/ha	1.4 L/ha	225 mL/ha	1.4 L/ha	1.4 L/ha	1.4 L/ha	1.4 L/ha
Oats	-	800 mL/ha	225 mL/ha	800 mL/ha	900 mL/ha	1.3 L/ha	-
Triticale	-	1.4 L/ha	225 mL/ha	-	1.4 L/ha	1.7 L/ha	800 mL/ha
Undersown clovers	-	-	225 mL/ha	-	-	680 mL/ha	560 mL/ha
Undersown medic	-	-	225 mL/ha	-	-	Nil	560 mL/ha
Undersown lucerne	-	-	225 mL/ha	-	-	Nil	-

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

### WITHHOLDING PERIOD:

PASTURE AND CEREAL CROPS - DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 7 DAYS AFTER APPLICATION.

HARVEST WITHHOLDING PERIOD: NOT REQUIRED WHEN USED AS DIRECTED.

IN TASMANIA, THIS PRODUCT MAY ONLY BE USED FROM 15 APRIL TO 15 SEPTEMBER UNLESS OTHERWISE PERMITTED BY THE REGISTRAR OF PESTICIDES.

### NOTE:

Where: Where weeds are to be sprayed in a CROP or PASTURE, use only the rate given for the particular crop or situation indicated under the Directions for Use table. In most cases this will give control, however some hard to kill weeds or those in advanced stages of growth may only be suppressed. The rates listed in the weed table below are for use where weeds only are present and no crop or pasture is involved. Use at these rates in a crop or pasture other than for spot spraying may cause damage. This product should only be used in those States where a rate or range of rates is indicated for the particular weeds listed.

WEED	APPLICATION RATE PER HECTARE						PASTURE NSW, SA, Qld, Tas only	CRITICAL COMMENTS
	Vic	NSW, ACT	SA	Qld	Tas	WA		
Amaranthus spp.	-	560 mL-1.1 L	-	900 mL	-	-	-	Spray young plants.
Amsinckia	-	-	-	1.1 L	-	-	-	-
Apple of Peru	-	560 mL-1.1 L	-	900 mL	1.1 L	-	-	Spray young plants. Susceptible when young.
Bathurst Burr	-	800 mL-1.1 L	1.7-2.2 L	900 mL	-	-	800 mL-1.1 L not SA	Spray seedlings only.
Belvine	-	1.8 L	-	1.8 L	-	-	-	Spray before seeding. Advanced stages susceptible.
Billygoat Weed	-	3.4 L	-	3.4 L	-	-	-	Spray at young stage.
Bindweed	-	-	-	-	-	1.1 L	-	-
BlackBerry Nighthshade	-	560 mL-1.1 L	-	900 mL	-	-	-	-
Blackweede Susan	-	1.8 L	-	1.8 L	-	-	-	Apply at pre-flowering, preferably young stages.
Blue Snakeweed	-	1.8 L	-	1.8 L	-	-	-	Spray seedlings at young stages only.
California Burr	-	800 mL-1.1 L	-	900 mL	-	-	800 mL-1.1 L not SA	Spray seedlings only.
Cape Tulip	-	-	-	-	-	640 mL-1.3 L	-	Low rate for cornicis only*.
Capeweed	1.4 L	-	1.7 L	-	1.4 L	1.1 L	1.7-2.8 L	Spray seedlings to rosette stage.
Caltrop	-	800 mL-1.7 L	-	900 mL	-	1.1 L	-	Moderately susceptible.
Castor Oil Plant	-	3.4 L	-	3.4 L	-	-	-	Spray at young stage.
Charlock	560 mL-800 mL	560 mL-1.1 L	560 mL	-	1.4 L	-	800 mL-1.1 L	Spray at rosette stage.
Clover	-	1.2 L	-	-	-	-	-	-
Cobbler's Pegs	-	1.8 L	-	1.8 L	-	-	-	Apply at pre-flowering, preferably young stages.
Common Ice Plant	-	-	-	1.1 L	-	-	-	-
Common Plantain	-	1.8 L	-	1.8 L	-	-	-	Spray seedling or young stages only.
Common Sorrow	-	1.8 L	-	1.8 L	1.4 L	-	-	Apply at pre-flowering, preferably young stages.
Docks	1.4 L	-	1.4 L	1.4 L	1.4 L	1.1 L	3.2 L SA only	Spray at multiple leaf stage, effective only on seedlings.
Doveweed	-	-	-	-	-	1.1 L	-	-
Fat Hen	-	560 mL-1.7 L	-	900 mL	1.4 L	-	-	Spray pre-flowering. Spray seedling or young stages only.
Flannel Weed	-	1.8 L	-	1.8 L	-	-	-	-
Flat Weed	-	-	-	-	-	1.1 L	-	-
Fumitory -red	-	-	-	1.7 L	-	-	-	-
Fumitory -white	800 mL	-	560 mL	-	-	-	-	Spray at multiple leaf stage.
Heliotrope	-	-	-	-	-	1.1 L	-	-
Hexham Scant or melilotus	1.4 L	-	1.1 L	1.4 L	-	-	1.1-1.7 L	Spray multiple leaf stage before seeding.
Hoary Cress	900 mL-1.4 L	1.1-1.7 L	1.4 L	1.4 L	-	-	1.4-1.7 L	Spray rosettes and pre-flowering.

WEED	APPLICATION RATE PER HECTARE	PASTURE						CRITICAL COMMENTS
		NSW, ACT	SA	Qld	Tas	WA	NSW, SA, Qld, Tas only	
Hogweed/Wireweed	1.4 L	-	-	1.4 L	-	-	-	Spray at multiple leaf stage (Vic). Spray at seedling and young plant stage (Qld).
Horehound	-	-	1.4 L	-	-	-	2.2-3.2 L SA only	Spray seedlings.
Indian Hedge Mustard	-	-	-	-	1.4 L	1.1 L	-	-
Khaki Weed	-	-	-	-	-	-	1.1-2.2 L SA only	Spray seedlings only.
Knobweed	-	-	-	1.8-3.4 L	-	-	-	Lower rate for seedlings, higher rate for later stages.
Lincoln Weed	-	-	1.7 L	-	-	-	-	Spray early rosettes.
London Rocket	-	-	-	-	1.1 L	-	-	-
Lupins	-	800 mL-1.7 L	-	-	-	1.1 L	-	-
Melons -Camel, Paddy	-	560 mL-1.1 L	-	-	-	-	-	-
Mexican Poppy	-	-	-	1.4 L	-	-	-	Spray seedlings - plants become more resistant with age.
Mintweed	-	1.1 L	-	900 mL	-	-	-	Spray seedlings -resistant in later stages.
Morning Glory	-	1.8 L	-	1.8 L	-	-	-	Spray at seedling to flowering stage.
Mustards	225-560 mL	560 mL-1.1 L	560 mL-1.4 L	900 mL	-	800 mL	560 mL-1.1 L	Spray at 2-4 leaf up to rosette stage.
Needle Burr	-	1.8 L	-	1.8 L	-	-	-	Apply at pre-flowering, preferably young stages.
New Zealand Spinach	-	1.1-1.7 L	-	-	-	-	-	-
Noogoora Burr	-	800 mL-1.1 L	-	900 mL	-	-	800 mL-1.1 L not SA	Spray seedlings only.
Paterson's Curse	-	1.1-1.7 L	-	1.4 L	-	1.3 L	1.7-2.2 L	Spray rosettes at or before plants have 10 leaves. Later stages harder to kill.
Pinkburr (Pink Flowered Burr)	-	1.8 L	-	1.8 L	-	-	-	Spray