

**CAUTION**

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



# 2,4-D Amine 500 Herbicide

ACTIVE CONSTITUENT:  
500g/L 2,4-D present as the dimethylamine salt.

<b>GROUP</b>	<b>I</b>	<b>HERBICIDE</b>
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Controls certain broadleaf Weeds in Pastures, Cereal Crops, Sugar Cane, Non-crop and Playing Areas as per Directions for Use Table.

Pack sizes  
20L and 200L drums

**4FARMERS PTY. LTD.** ACN 067 443 485  
643 MURRAY STREET  
WEST PERTH  
WESTERN AUSTRALIA 6005

***This information is adapted from the 4Farmers 2,4-D Amine 500 Herbicide label.  
Please consult the label on the pack before use.***

## CLAIMS FOR USE

### PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS:

DO NOT apply under meteorological conditions or from spraying equipment which could be expected to cause spray to drift onto nearby susceptible plants, adjacent crops, crop lands or pastures. Avoid spray drift and vapour movement onto susceptible crops such as cotton, tobacco, tomatoes, vines, lupins, fruit trees and ornamentals.

**PROTECTION OF WILDLIFE, FISH, CRUSTACEA AND ENVIRONMENT:** Dangerous to fish. DO NOT contaminate streams, rivers or waterways with the chemical or used containers.

### STORAGE AND DISPOSAL:

Store in the closed, original container in a dry, well-ventilated area, as cool as possible. DO NOT store for prolonged periods in direct sunlight. Store in a locked room or place away from children, animals, food, feedstuffs, seed and fertilisers. Triple or preferably pressure rinse 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 landfill. If no landfill is available bury the containers below 500mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and roots. Empty containers and product should not be burnt.

### SAFETY DIRECTIONS:

Poisonous if swallowed. Avoid contact with eyes and skin and do not spray mist. When preparing spray wear PVC or rubber apron, elbow-length PVC gloves and face shield. When using the prepared spray wear face shield. If product on skin immediately wash area with soap and water. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use wash gloves, face shield and contaminated clothing.

### FIRST AID:

If poisoning occurs, contact a doctor or Poisons Information Centre on 131126. If swallowed and if more than 15 minutes from a hospital, induce vomiting, preferably using Ipecac Syrup APF. For further information refer to the Material Safety Data Sheet.

### CONDITIONS OF SALE

The control of the manufacturer, no warranty expressed or implied is given by use of 4Farmers 2,4-D Amine 500 Herbicide being beyond 4Farmers Pty. Ltd. regarding its suitability, fitness or efficacy for any purpose for which it is used by the buyer, whether in accordance with the directions or not and 4Farmers Pty. Ltd. accepts no responsibility for any consequence whatsoever resulting from the use of this product.

NRA Approval No.: 50629/ 0698

**NOT CLASSIFIED AS DANGEROUS GOODS FOR TRANSPORT BY ROAD AND RAIL.  
NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THE  
REGISTERED LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION.**

**WITHHOLDING PERIODS: do not graze or cut for stock food for 7 days after application**



**IN TASMANIA, this product may only be used from 15<sup>th</sup> April to 15<sup>th</sup> September, unless otherwise permitted by the registrar of chemical products**

## *GENERAL INSTRUCTIONS*

**MIXING:** Add the required amount of product directly to the water while stirring or agitating.

**COMPATIBILITY:** This product may be tank mixed with dicamba, flowable diuron, glyphosate, Chlorsulfuron, Metsulfuron, Paraquat, Spray-Seed\*, Tordon\* and Tribunil\*.

**APPLICATION:**

Method of Application	Recommended volume per Ha
Aircraft	30 - 50L
High Volume or Power Spraying	1000 - 2000L
Low Volume Boom Spraying	100 - 200L 50 -100L water per ha in WA
Knapsack Spraying	15L water per 100m <sup>2</sup> (10 - 15L water per m <sup>2</sup> in WA)

**PRE-SOWING APPLICATION: (QLD ONLY)**

4Farmers 2,4-D AMINE 500 cannot be used as a pre-sowing application at rates in excess of 2L/ha. Sowing wheat, barley, triticale, oats, maize, sunflowers and sorghum must be delayed for at least 2 to 3 weeks following application of 2,4-D amine at rates up to 2L/ha.

4Farmers 2,4-D AMINE 500 may be applied at rates up to 2L/ha pre-sowing to chickpeas and Canola under the following conditions:

- A rainfall of at least 15mm must follow application.
- Observation of a delay period pre-sowing of at least 14 days after the 15mm rainfall.

**WEED RESISTANCE WARNING:**

<b>GROUP</b>	<b>I</b>	<b>HERBICIDE</b>
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4Farmers 2,4-D Amine 500 herbicide is a member of the phenoxy group of herbicides. 4Farmers 2,4-D Amine 500 herbicide has the disruptor of plant cell growth mode of action. For weed resistance management 4Farmers 2,4-D Amine 500 herbicide is a group "I" herbicide.

Some naturally occurring weed biotypes resistant to 4Farmers 2,4-D Amine 500 herbicide and other phenoxy herbicides may exist through normal genetic variability in any weed population. The resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly. These resistant weeds will not be controlled by 4Farmers 2,4-D Amine 500 herbicide or other phenoxy herbicides.

Since the occurrence of resistant weeds is difficult to detect prior to use, 4Farmers accepts no liability for any losses that may result from the failure of 4Farmers 2,4-D Amine 500 herbicide to control resistant weeds.

DO NOT however assume resistance without first reviewing the method of application, timing, water quality and weather conditions.



**PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS:** DO NOT apply under meteorological conditions or from spraying equipment which could be expected to cause spray to drift onto nearby susceptible plants, adjacent crops, crop lands or pastures. Avoid spray drift and vapour movement onto susceptible crops such as cotton, tobacco, tomatoes, vines, lupins, fruit trees, and ornamentals.

**PROTECTION OF WILDLIFE, FISH, CRUSTACEA AND ENVIRONMENT:** Dangerous to fish. DO NOT contaminate streams, rivers, or waterways with the chemical or used containers.

**STORAGE AND DISPOSAL:** Store in the closed, original container in a dry, well-ventilated area, as cool as possible. DO NOT store for prolonged periods in direct sunlight. Store in a locked room or place away from children, animals, food, feedstuffs, seed, and fertilisers. Triple or preferably pressure rinse 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 landfill. If no landfill is available bury the containers below 500mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and roots. Empty containers and product should not be burnt.

**SAFETY DIRECTIONS:** Poisonous if swallowed. Avoid contact with eyes and skin and do not spray mist. When preparing spray wear PVC or rubber apron, elbow-length PVC gloves and face shield. When using the prepared spray wear face shield. If product on skin immediately wash area with soap and water. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use wash gloves, face shield, and contaminated clothing.

**FIRST AID:** If poisoning occurs, contact a doctor or Poisons Information Centre on 131126. If swallowed and if more than 15 minutes from a hospital, induce vomiting, preferably using Ipecac Syrup APF.

**PACK SIZE:** 200L, 20L

## CONDITIONS OF SALE

The use of 4Farmers 2,4-D Amine 500 being beyond the control of the manufacturer, no warranty expressed or implied is given by 4Farmers Pty. Ltd. regarding its suitability, fitness or efficacy for any purpose for which it is used by the buyer, whether in accordance with the directions or not and 4Farmers Pty. Ltd. accepts no responsibility for any consequences whatsoever resulting from the use of this product.

## DIRECTIONS FOR USE:

### Restraints:

- **DO NOT** spray if rain is likely within 4 hours.
- **DO NOT** spray if weeds are wet.
- **DO NOT** spray if weeds or crops are under stress from drought, low soil fertility, frost or water logging.

**Table 1. Field Crops**

CROP	WEEDS	STATE (S)	RATE PER HA	CRITICAL COMMENTS
WHEAT	Refer to weeds table	NSW, ACT, SA only	400mL - 2.1L	Apply after when the first node can be felt at the base of a tiller and before swelling of the head can be felt in a tiller (NSW, ACT, SA, Tas only). Z31-37  Apply from tillering to boot stage. (Vic only)  Apply from mid-tillering (5 to 6 fully emerged main stem leaves plus one or more tillers) to before the boot stage (visible swelling of the head at the top of the main stem) (Qld only). Z15 to 6 - 37
		Vic only	280mL - 1.7L	
		Qld only	700mL - 1.7L	
		Tas only	1.0 - 1.7L	
BARLEY		NSW, ACT, SA only	400mL - 1.7L	
		Vic only	280mL - 1.7L	
		Qld only	700mL - 1.7L	
		Tas only	1.0 - 1.7L	
CEREAL RYE, TRITICALE		NSW, ACT, SA, Tas only	400mL - 1.7L	
		Vic only	280mL - 1.7L	
TRITICALE		Qld only	1.0 - 1.7L	
OATS		NSW, ACT, SA, only	400mL - 1.0L	
		Qld only	700mL - 1.7L	
		Vic only	280mL - 1.0L	
CEREALS: Wheat, Oats, Barley, Triticale	Cape Tulip*	WA only	1.6L	Apply only when cereal plants have 5 leaves on the main stem and until the flag leaf emerges Z15-37 (three nodes are detectable on the main stem). Delay until Z16 for Cranbrook, Jacup wheat and Mortlock Oats. *Use ½ rates for cormils, i.e. 800mL/ha. <b>Undersown crops:</b> DO NOT exceed maximum tolerance rates shown in tolerance table. Clover must be at 3 to 4 leaf stage. <b>Weed stage:</b> 10-15cm. Docks should be sprayed before the 5-leaf stage. <b>Tank mix:</b> Apply 250mL/ha PLUS 500mL/ha of Diuron 500g/L at crop stage Z14-15.
	Dock, Flatweed, Saffron Thistle		1.4L	
	Indian Hedge Mustard, London Rocket, Lupin, Matricaria, Rapistrum, Wild Radish		1.0L	
	Wild Turnip		800mL	
WHEAT, BARLEY	Wild Radish	NSW, ACT, Vic, SA only	100mL PLUS 850g Tribunil* Herbicide	Spray 2-6 weeks after sowing and not later. DO NOT use on crops undersown with Lucerne.
FALLOW STUBBLE Spray prior to Direct Drilling or sowing Winter Cereals	Refer to weeds table	Vic only	280mL - 1.7L	DO NOT sow within 2 weeks of spraying under wet soil conditions and 3 weeks under dry soil conditions, as establishment may be impaired. Can be tank-mixed with Chlorsulfuron, Paraquat or Spray.Seed* where grasses are present.
		NSW, ACT only	700mL - 1.2L	
FALLOW STUBBLE Spray prior to Direct Drilling or sowing Winter Cereals, Maize, Sweet corn, Peanuts	Refer to weeds table	Qld only		DO NOT sow within 2 weeks of spraying under wet soil conditions and 3 weeks under dry soil conditions, as establishment may be impaired. Can be tank-mixed with Chlorsulfuron, Paraquat or Spray Seed* where grasses are present.

Table 1. Field Crops

/cont.

CROP	WEEDS	STATE (S)	RATE PER HA	CRITICAL COMMENTS
MAIZE, SWEETCORN	Refer to weeds table	NSW, ACT, SA only	700mL - 1.4L	Apply when crop is 10 - 20cm high and secondary roots are developing for an over the top spray. When crop is between 20cm high and just before tasselling, spray with dropped nozzles to avoid chemical being sprayed onto the whorl and on upper leaves.
		Qld only	700mL - 1.1L	Apply when crop is 10 - 20cm high and secondary roots are developed. Use drop nozzles and direct the spray when crop exceeds 30cm in height and before tasselling.
		Tas only	1.0L - 1.7L	Apply when crop is 15 - 30cm high. DO NOT spray if the crop is showing signs of stress. Some leaf twisting may occur following application - crop recovers quickly.
SORGHUM	Refer to weeds table	NSW, ACT, Vic, SA only	700mL - 1.4L	Apply preferably when crop is at 3-6 fully expanded leaf stage but can be sprayed from 2-8 leaf stage. From 6 leaf stage onwards within 2 weeks of flowering crop can be sprayed with dropped nozzles to avoid chemical being sprayed into the whorl and on upper leaves.
		Qld only	500mL - 1.0L	Apply when crop has 4 to 8 fully expanded leaves and secondary roots have developed. DO NOT exceed 500mL/ha in central QLD. For improved weed control and reduced crop damage use a tank mix of 500mL PLUS 2L of 500g/L Atrazine.
MAIZE, SWEETCORN, SACCALINE, BROOM MILLET	Cape Tulip, Docks, Indian Hedge Mustard, London Rocket,	WA only	1.4L	Spray when crop is 10 to 30cm high and secondary roots developed and before tasselling. Apply as a directed spray to weeds.
GRAIN SORGHUM	Lupin, Radish, Rapistrum, Saffron Thistle, Wild Turnip			Apply when crop is 12 cm high. DO NOT apply between tassel and dough stage
MILLET	Refer to weeds table	NSW, ACT, Vic, SA only	700mL - 1.4L	Spray when secondary roots have developed, when fully tillered and before heads start to form at the base of tillers. DO NOT use on Panorama Millet or Panicum.
		Qld only	700mL - 1.1L	
SUGAR CANE		Qld, NSW, ACT only	2.2 - 4.4L	Add 150 –200 mL of 4Farmers wetter to 100L spray mixture. Agitate well. DO NOT use on Q63, Q80 or Q96 varieties.
	Bindy Eye, Blue Top (Blue Heliotrope), Convolvulus Vines, Fleabanes, Ipomoea Vines, Jute, Leucas, Water Primrose	Qld only		
	Blue Snakeweed, Chinese Mint		4.4L	
SUGAR CANE (Q80, Q96 & H56 varieties)	Bellvine, Morning Glory, Pink Convolvulus,	Qld, NSW, ACT only	350mL/100L water	Apply in Spring, using directed spray.
			700mL - 1.4L	Apply in Summer using high clearance tractor.
	Star of Bethlehem		1.4L	Apply in Autumn by aircraft or misters.

Table 1. Field Crops

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CROP	WEEDS	STATE (S)	RATE PER HA	CRITICAL COMMENTS
PEANUTS	Broadleaf weeds except Noogoora Burr, Grasses except Mossman Burr	Qld only	2.2L or 4.5L	<b>Lower rate:</b> Apply as a band spray as soon as possible after planting in a 55cm band. <b>Higher rate:</b> Apply as overall spray after planting and before crop emergence. Some crop damage may occur if heavy rain falls between application and crop emergence.
BANANAS	To destroy Banana Suckers	Qld only	200mL/10L water	Inject at the rate of 15mL per fully grown plant, 10mL per medium sized plant and 5mL for small suckers.
			400mL/100L water	Allow suckers from corms of treated plants to form broad adult leaves, then spray. Isolated spots may require a second spray.
COMMON STYLO forage or seed crops CARIBBEAN STYLO forage or seed crops	Refer to weeds table		1.0L	Apply post-emergence when weeds are 3 weeks old and crop is at least 3 weeks old.
			1.0 - 2.0L	Apply post-emergence when crop is 3 weeks old.
HARVEST AID or Salvage spray in Winter Cereals	Desiccate broadleaf weeds Refer to weeds table	Qld, NSW, ACT only	1.5L - 2.1L	Apply after dough stage.
HARVEST AID or Salvage spray Maize, Sorghum				

Table 2. Pastures, Non agricultural, Rights of Way, Industrial Lawns

CROP	WEEDS	STATE(S)	RATE PER HA	CRITICAL COMMENTS
PASTURES, RIGHTS OF WAY, AND INDUSTRIAL SITUATIONS	Refer to Weeds Table	Qld, NSW, ACT, SA, Tas only	700mL – 2.1L	Pasture legumes including Lucerne, clovers and medics may be damaged unless well protected by grasses. Spot spraying is preferred.
	Galvanised Burr	NSW, ACT only	400mL/100L water	Apply to young, actively growing weeds. Ensure thorough and even coverage of plants. NOTE: Treated plants need to be burnt to destroy seeds.
	Mother of Millions		500mL PLUS 150 – 200 mL of 4Farmers wetter /100L water	Hand gun & knapsack spray only: Thorough coverage of leaves & plants is necessary. Add 4Farmers wetter wetting agent to penetrate cuticle.
	Melons		1.0 - 2.0 L Plus 1% crop oil	Very early spraying prior to vining. Use lower rate for smaller plants.

Table 2. Pastures, Non agricultural, Rights of Way, Industrial Lawns ...../cont.

CROP	WEEDS	STATE(S)	RATE PER HA	CRITICAL COMMENTS
PASTURES, RIGHTS OF WAY, AND INDUSTRIAL SITUATIONS	Amsinckia, Annual Thistles, Bindweed, Caltrop, Capeweed, Dock, Doveweed, Flatweed, Mustard, heliotrope, Paterson's Curse (Salvation Jane), Ragwort, Saffron Thistle, Spear Thistle, Three Cornered Jack (Doublegee, Spiny Emex), Wild Radish, Wild Turnip	WA only	1.4L - 3.0L	For pastures not containing legumes. <b>Summer weeds:</b> Use low rate for seedlings, 2-3L/ha for larger plants. Stock poisoning may occur when grazed after spraying if large amounts present, particularly Heliotrope. <b>Winter weeds:</b> Use low rate for seedlings, 2-3L/ha for larger plants. If stock present use spray grazing rates.
PASTURES, RIGHTS OF WAY AND INDUSTRIAL SITUATIONS	Boneseed, Boxthorn, Hawthorn	Vic, SA only	100mL/10L water	Spot spraying: Thoroughly wet plants or seedlings.
			Undiluted	Apply as and undiluted spray to freshly cut stumps.
	Groundsel Bush	Qld, NSW, ACT, SA, Tas only	1.2L/15L water	<b>Misting:</b> Lightly wet plants.
			400mL/100L water	<b>High volume:</b> Thoroughly wet plants.
			300mL/15L water	<b>Cut Stump:</b> Swab the cut stump within 1 hour of cutting. Apply by a pouring can or knapsack spray.
		3.6 - 5.5L	<b>Aerial application:</b> Spray when Groundsel is actively growing.	
PASTURES, RIGHTS OF WAY AND INDUSTRIAL SITUATIONS	Lantana	Qld, NSW, ACT, SA, Tas only	400mL/100L 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.
	Noogoora Burr, Scarlet Pimpernel (seedlings only), Weir Vine, White Eye (Mexican Clover)	ACT, SA, Tas only	200mL/100L water	In all cases apply to young; actively growing weeds, ensuring thorough coverage.

Table 2. Pastures, Non agricultural, Rights of Way, Industrial Lawns ...../cont.

CROP	WEEDS	STATE(S)	RATE PER HA	CRITICAL COMMENTS
RIGHTS OF WAY AND INDUSTRIAL SITUATIONS	Annual & Perennial Pigweed, Artichoke Thistle, Bathurst Burr, Billygoat Weed, Blue Snakeweed, Burr Medic, Clockweed, * Fleabanes, Galvanised Burr, Hemlock, Hoary Cress, ** Kyllinga Weed, Knobweed, Milky Cotton Bushes, Parthenium Weed, Paterson's Curse (Salvation Jane), Saffron Thistle, Starburr, Thornapple, Variegated Thistle	Qld only	400mL/100L water	In all cases apply to young; actively growing weeds, ensuring thorough coverage.  * Spray rosette stage. ** Repeat spraying necessary.
	Rubber Vine		200mL/10L water	Apply to freshly cut stump.
	Sesbania Pea		700mL -1.1L	
	Water Hyacinth		4.4 - 6.6L	Apply in 2200 to 3300L water/ha.
PASTURES Direct Drilling or Surface Sowing	Charlock, Mustards, Saffron Thistle, Shepherd's Purse, Slender Thistle, Turnip Weed, Variegated Thistle, * Wild Radish, Wild Turnip	All States, ACT	700mL - 1.4L	Apply to actively growing young plants.  <b>Sowing:</b> DO NOT sow pasture seed for at least 14 days after application. If soil is dry, delay sowing for 21 days.  * <b>Warning:</b> Treated plants may become toxic to stock
	Wild Turnip	Tas only	1.0L - 1.7L	
	Clover, Sorrel	All States, ACT	1.4L PLUS 700mL to 1.0L of 20g/L dicamba	Apply to actively growing plants in Autumn. DO NOT sow pasture for at least 30 days after application.
PASTURES Spray/Graze Techniques	Amsinckia, Capeweed, Docks, Erodium, Mustards, Patterson's Curse (Salvation Jane), Thistles, Three cornered Jack (Doublegee, Spiny Emex), Wild Radish, Wild Turnip	SA only	700mL	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 overgrazing. 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 to 3 years for complete control.  Refer to relevant PRECAUTION below concerning increased hazard for poisoning of grazing animals.
PASTURES Spray/Graze Techniques	Annual Thistles, Capeweed, Geranium, Mustards, Patterson's Curse (Salvation Jane), Slender Thistle, Spear Thistle, Three Cornered Jack (Doublegee, Spiny Emex) & Turnip	Vic only	700mL	Refer to relevant PRECAUTION below concerning increased hazard for poisoning of grazing animals.
	Docks		1.4L	Apply in September only and follow other recommendations above.
	Amsinckia, Docks,	WA only	1.5L	DO NOT apply to medics.

**Table 2. Pastures, Non agricultural, Rights of Way, Industrial Lawns ...../cont.**

CROP	WEEDS	STATE(S)	RATE PER HA	CRITICAL COMMENTS
	Saffron Thistle, Spear Thistle			Slash tops of Spear Thistle and spray regrowth when 15 to 20cm high.
	Capeweed, Mustards, Three cornered Jack (Doublegee, Spiny Emex), Wild Radish, Wild Turnip		750mL - 1.0L	Apply to Saffron Thistle in late August, early September just as stem elongation commences.  Refer to relevant PRECAUTION below concerning increased hazard of poisoning of grazing animals.
	Annual Thistles, Patterson's Curse (Salvation Jane)		750mL	
	Annual Thistles, Capeweed, Geranium, Mustards, Paterson's Curse (Salvation Jane), Saffron Thistle, Spear Thistle, Three cornered Jack (Doublegee, Spiny Emex), Turnip	Tas only	700mL	Spray actively growing 6-8 week old weeds. Introduce stock 7 to 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.  Refer to relevant PRECAUTION below concerning increased hazard of poisoning of grazing animals.
	Docks		1.4L	Apply in September only and follow other recommendations above.
PASTURES Spray/Graze Techniques	Caltrop, Capeweed, Charlock, Mustards, Paterson's Curse (Salvation Jane), Saffron Thistle, Shepherd's Purse, Slender Thistle, Turnip Weed, Variegated Thistle, Wild Radish, Wild Turnip	NSW, ACT only	350mL - 1.4L	Spray actively growing 6-8 week old weeds. Introduce stock 7 to 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.  <b>PRECAUTION:</b> An increased quantity of poisonous plants may be eaten by stock using spray/graze e.g. Caltrop, Capeweed, Paterson's Curse (Salvation Jane) and Variegated Thistle and deaths could result from causes such as nitrate poisoning. With Paterson's Curse (Salvation Jane), preferably graze stock soon destined for slaughter and avoid extended periods of grazing. Avoid grazing with young or breeding stock. DO NOT graze horses or pigs on Paterson's Curse (Salvation Jane). Lucerne and medics may be damaged and should be grazed shortly before spraying. Other legumes may be affected.
LAWNS, PLAYING FIELDS	Refer to weeds table	Qld, NSW, ACT, Tas only WA only	2-4mL/1.0L water OR 2.0-4.0L/ha Knapsack: 50mL/10 to 15L water/100m <sup>2</sup>	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).
SPOT SPRAYING (All situations)		All States, ACT	1/100 of Rate on Weeds Table per 10L water	Apply through Knapsack. Thorough coverage of weeds is essential. 10L of spray is sufficient to cover 100m <sup>2</sup> depending on weed density and growth stage.

**MAXIMUM TOLERANCE FOR USE IN WHEAT, BARLEY, OATS AND TRITICALE**

## INCLUDING TOLERANCE FOR UNDERSOWN LEGUMES

CROP	Qld	NSW, ACT	Victoria		SA	WA	Tas
			Early Tillering	Tillered Boot Stage		Tillered to Boot (Z15-35)	Tillered to Boot (Z15-35)
Cereal Rye					1.7L/ha		
Wheat	2.2L/ha	2.1L/ha	280mL/ha	1.7L/ha	2.1L/ha	2.1L/ha	2.1L/ha
Barley	1.7L/ha	1.7L/ha	280mL/ha	1.7L/ha	1.7L/ha	1.8L/ha	1.7L/ha
Oats	-	1.0L/ha	280mL/ha	1.0L/ha	1.1L/ha	1.6L/ha	-
Triticale	-	1.7L/ha	280mL/ha	-	1.7L/ha	2.1L/ha	1.0L/ha
Undersown Clovers	-	-	280mL/ha	-	-	850mL/ha	700mL/ha
Undersown Medics	-	-	280mL/ha	-	-	NIL	700mL/ha
Undersown Lucerne	-	-	280mL/ha	-	-	NIL	-

**NOTE:** Where weeds are to be sprayed in a crop or pasture, use only the rates given for the crop in the tables above. In most cases this will give control, however, some hard to kill weeds may only be suppressed. Rates listed in the weeds table 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 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.

Table 3: Weeds Table - (showing rate per hectare)

WEED	CROP						PASTURE		CRITICAL COMMENTS
	Qld	NSW, ACT	Vic	SA	WA	TAS	Qld, NSW, ACT only	SA only	
Amaranthus	1.1L	700mL - 1.4L	-	-	-	-	-	-	Spray young plants.
Amsinckia	-	-	-	-	1.4L	-	-	-	
Apple of Peru	1.1L	700mL - 1.4L	-	-	-	-	-	-	Spray young plants. Susceptible when young.
Bathurst Burr	1.1L	1.0L - 1.4L	-	-	-	-	1.0L - 1.4L	2.1 - 2.8L	Spray seedlings only.
Bellvine	2.2L	2.2L	-	-	-	-	-	-	Spray before seeding. Advanced stages susceptible
Billygoat Weed	4.2L	4.2L	-	-	-	-	-	-	Spray at young stage.
Bindweed	-	-	-	-	1.4L	-	-	-	
Blackberry Nightshade	1.1L	700mL - 1.4L	-	-	-	-	-	-	
Black Eyed Susan	2.2L	2.2L	-	-	-	-	-	-	Apply at pre-flowering, preferably young stages.
Blue Snakeweed	2.2L	2.2L	-	-	-	-	-	-	Spray seedlings at young stages only.
California Burr	1.1L	1.0 - 1.4L	-	-	-	-	1.0 - 1.4L	-	Spray seedlings only
Cape Tulip	-	-	-	-	1.4L	-	-	-	
Capeweed	-	-	1.7L	2.1L	1.4L	1.7L	2.1 - 3.5L	2.1 - 3.5L	Spray seedlings to rosette stage.
Caltrop	1.1L	1.0 - 2.1L	-	-	1.4L	-	-	-	Moderately susceptible.
Castor Oil Plant	4.2L	4.2L	-	-	-	-	-	-	Spray at young stage.
Charlock	-	700mL - 1.4L	700mL - 1.0L	700mL	-	1.7L	1.0 - 1.4L	1.0 - 1.4L	Spray at rosette stage.
Clover	-	1.5L	-	-	-	-	-	-	

Table 3: Weeds Table - (showing rate per hectare)

/cont.

WEED	CROP	PASTURE	CRITICAL
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**2,4-D Amine 500 Herbicide**

	Qld	NSW, ACT	Vic	SA	WA	TAS	Qld, NSW, ACT only	SA only	COMMENTS
Cobbler's Pegs	2.2L	2.2L	-	-	-	-	-	-	Apply at pre-flowering, preferably young stages.
Common Ice Plant	-	-	-	1.4L	-	-	-	-	
Common Sida	2.2L	2.2L	-	-	-	-	-	-	Spray seedling or young stages only.
Common Sowthistle	2.2L	2.2L	-	-	-	1.7L	-	-	Apply at pre-flowering, preferably young stages.
Docks	1.7L	-	1.7L	1.7L	1.4L	1.7L	-	4.0L	Spray seedlings and young plants only.
Doveweed	-	-	-	-	1.4L	-	-	-	
Fat Hen	1.1L	700mL - 2.1L	-	-	-	1.7L	-	-	Spray at pre-flowering
Flannel Weed	2.2L	2.2L	-	-	-	-	-	-	Spray seedling or young stages only.
Flatweed	-	-	-	-	1.4L	-	-	-	
Fumitory - red	-	-	-	2.1L	-	-	-	-	
Fumitory - white	-	-	1.0L	700mL	-	-	-	-	Spray at multiple leaf stage.
Heliotrope	-	-	-	-	1.4L	-	-	-	
Hexham Scent (King Island Melilot)	1.7L	-	1.7L	1.4L	-	-	1.4 - 2.1L	1.4 - 2.1L	Spray at multiple leaf stage before seeding.
Hoary Cress	1.7L	1.4 - 2.1L	1.1 - 1.7L	1.7L	-	-	1.8 - 2.1L	1.8 - 2.1L	Spray rosettes and pre-flowering.
Hogweed / Wireweed	1.7 L	-	1.7L	-	-	-	-	-	Spray at multiple leaf stage (Vic). Spray at seedling and young plant stage (Qld).
Horehound	-	-	-	1.7L	-	-	-	2.8 - 4.0L	Spray seedlings.
Indian Hedge Mustard	-	-	-	-	1.4L	1.7L	-	-	
Khaki Weed*	-	-	-	-	-	-	1.4 - 2.8L	-	Spray seedlings only.
Knobweed	2.2 - 4.2L	-	-	-	-	-	-	-	Lower rate for seedlings; higher rate for later stages.
Lincoln weed	-	-	-	2.1L	-	-	-	-	Spray early rosettes.
London Rocket	-	-	-	-	1.4L	-	-	-	
Lupins	-	1.0 - 2.1L	-	-	1.4L	-	-	-	
Melons - Camel, Paddy	-	700mL - 1.4L	-	-	-	-	-	-	
Mexican Poppy	1.7L	-	-	-	-	-	-	-	Spray seedlings - plants become more resistant with age.
Mintweed	1.1L	1.4L	-	-	-	-	-	-	Spray seedlings - resistant in later stages.
Morning Glory	2.2L	2.2L	-	-	-	-	-	-	Spray at seedling to flowering stage.
Mustards	1.1L	700mL - 1.4L	280 - 700mL	700mL - 1.7L	1.4L	700mL - 1.4L	700mL - 1.4L	700mL - 1.4L	Spray at 2- leaf up to rosette stage.
Needle Burr	2.2L	2.2L	-	-	-	-	-	-	Apply at pre-flowering, preferably young stages.
New Zealand Spinach	-	1.4 - 2.1L	-	-	-	-	-	-	
Noogoora Burr	1.1L	1.0 - 1.4L	-	-	-	-	1.0 - 1.4L	2.1 - 2.8L	Spray seedlings only.

**Table 3: Weeds Table - (showing rate per hectare) /cont.**

WEED	CROP						PASTURE		CRITICAL COMMENTS
	Qld	NSW, ACT	Vic	SA	WA	TAS	Qld, NSW, ACT only	SA only	
Paterson's Curse (Salvation Jane)	1.7L	1.4 - 2.1L	-	-	1.4L	-	2.1 - 2.8L	2.1 - 2.8L	Spray rosettes or before plants have 10 leaves. Later stages are harder to kill.
Pinkburr (Pink Flowered Burr)	2.2L	2.2L	-	-	-	-	-	-	Spray seedling or young stages only.
Potato Weed	1.1L	700mL - 1.4L	-	-	-	-	-	-	
Purpletop	4.2L	4.2L	-	-	-	-	-	-	Spray at young stage.
Radish	-	-	-	-	1.4L	-	-	-	
Ragwort	-	-	-	-	1.4L	4.8L	-	-	Spray up to early rosette stage (Tas only).
Rapeseed	-	1.0 - 2.1L	-	-	-	-	-	-	
Rapistrum	-	-	-	-	1.4L	-	-	-	
Rough Poppy	-	1.4L	-	-	-	-	-	-	
Safflower	-	700mL - 1.4L	-	-	-	-	-	-	
Shepherd's Purse	-	1.4 - 2.1L	-	-	-	1.7L	1.0 - 1.4L	1.0 - 1.4L	Spray young rosettes.
Siratiro (Purple Bean)	2.2L	2.2L	-	-	-	-	-	-	Spray seedling or young stages only.
Skeleton Weed	-	1.4 - 2.1L	1.7L	1.7L	-	-	1.8 - 2.8L	1.8 - 2.8L	Spray rosettes before aerial growth commences.
Sorrel	-	2.1L	1.7L	1.7L	-	-	-	-	Only moderately susceptible.
Speedwell (Ivy Leaf)	-	-	-	1.4L	-	-	-	-	
Spinyhead Sida	2.2L	2.2L	-	-	-	-	-	-	Spray seedling or young stages only.
Starburr	2.2L	2.2L	-	-	-	-	-	-	Spray before seeding, advanced stages susceptible.
Star of Bethlehem (Cupid's Flower)	2.2L	-	-	-	-	-	-	-	Spray before seeding, advanced stages susceptible.
Stinkwort	-	1.0 - 1.7L	-	-	-	-	-	-	
Storksbill	-	-	-	-	-	1.7L	2.0 - 4.0L	2.0 - 4.0L	Spray seedlings to young rosettes.
Sunflower (Seedlings)	1.1L	700mL - 1.7L	1.7L	-	-	-	-	-	
Thistle - Annual	-	-	-	-	1.4L	-	-	-	
Californian	-	-	-	-	-	-	4.0 - 4.7L	4.0 - 4.7L	
Saffron	1.7L	700mL - 2.1L	1.4L	1.7L	1.4L	-	1.4 - 2.1L	1.4 - 2.1L	Low rate only sufficient to control weeds in crops at rosette stage when sprayed early.
Slender	-	1.0 - 2.1L	-	-	-	1.7L	1.0 - 1.4L	1.0 - 4.0L	Suppression only.
Spear	-	-	700mL	-	1.4L	1.7L	1.4 - 2.0L	1.4 - 2.0L	Spray young rosettes.
Variegated	1.1L	700mL - 2.1L	-	-	-	1.7L	1.4 - 2.1L	1.4 - 2.1L	Spray at rosette stage.
Thornapple	-	1.0 - 1.4L	-	-	-	-	2.0 - 3.0L	4.8L	Spray seedlings only.

**Table 3: Weeds Table - (showing rate per hectare) /cont.**

WEED	CROP						PASTURE		CRITICAL COMMENTS
	Qld	NSW, ACT	Vic	SA	WA	TAS	Qld, NSW, ACT only	SA only	
Three cornered Jack (Doublegee, Spiny Emex)	1.7L	-	-	-	1.4L	-	-	-	Only young plants are susceptible.
Tridax (Tridax Daisy)	2.2L	2.2L	-	-	-	-	-	-	Spray seedling or young stages only.
Turnip Weed ( <i>Rapistrum rugosum</i> )	700mL	700mL - 1.4L	-	-	-	-	700mL - 1.4L	700mL - 1.4L	
Vetches (Tares)	-	-	1.7L	1.4L	-	-	-	-	
Wards Weed	-	-	-	1.4L	-	-	-	-	
Wild Cabbage	-	-	1.7L	-	-	-	-	-	Spray multiple leaves.
Wild Poppy	-	1.4 - 2.1L	700mL	-	-	-	1.4 - 2.1L	1.4 - 2.1L	Spray rosettes.
Wild Radish	1.1L	1.7 - 2.1L	1.7L	1.7L	1.4L	1.7L	1.0 - 1.4L	1.0 - 1.4L	
Wild Tobacco Tree	300mL - 15 L	-	-	-	-	-	-	-	
Wild Turnip ( <i>Rapa campestris</i> )	-	-	-	-	-	1.0 - 1.7L	-	-	
Wild Turnip ( <i>tournefortii</i> )	-	700mL - 1.4L	280 - 700mL	400mL	1.4L	1.7L	700mL - 1.4L	700mL - 1.4L	Spray 2 - 4 leaf up to rosette stage.

**Table 4: Listing of all weeds on the label – consult the relevant notes for the rates and methods of application to use.****Weeds Controlled:**

Amaranthus	<i>Amaranthus</i> spp.
Amsinkia	<i>Amsinckia</i> spp.
Annual & Perennial Pigweed	<i>Portulaca</i> spp.
Annual Thistles	
Apple of Peru	<i>Nicandra physalodes</i>
Artichoke Thistle	<i>Cynara cardunculus</i>
Banana Suckers	<i>Musa</i> spp.
Bathurst Burr	<i>Xanthium spinosum</i>
Bellvine	<i>Ipomoea plebeia</i>
Billygoat Weed	<i>Ageratum conyzoides</i>
Bindweed	<i>Convolvulus</i> spp.
Bindy Eye	<i>Calotis hespiduala</i>
Black Eyed Susan	<i>Thunbergia alata</i>
Blackberry	<i>Solanum nigrum</i>
Nightshade	
Blue Heliotrope	See Blue Top
Blue Snakeweed	<i>Stachytarpheta dichotoma</i>
Blue Top (Blue Heliotrope)	<i>Heliotropium amplexicaule</i>
Boneseed	<i>Chrysanthemoides monilifera</i>
Boxthorn	<i>Lycium</i> spp.
Burr Medic	<i>Medicago</i> spp.
California Burr	<i>Xanthium orientale</i>

**Weeds Controlled:**

Californian Thistle	<i>Cirsium arvense</i>
Caltrop	<i>Tribulus terrestris</i>
Cape Tulip	<i>Homeria</i> spp.
Capeweed	<i>Arctotheca calendula</i>
Castor oil Plant	<i>Ricinus communis</i>
Charlock	<i>Sinapis arvensis</i>
Chinese Mint	<i>Hyptis suaveolens</i>
Clockweed	<i>Gaura parviflora</i>
Cobbler's Pegs	<i>Bidens pilosa</i>
Common Ice Plant	<i>Mesembryanthemum crystallinum</i>
Common Sida	<i>Sida rhombifolia</i>
Common Sowthistle	<i>Sonchus oleraceus</i>
Convolvulus Vines	<i>Convolvulus</i> spp.
Cupid's Flower	See Star of Bethlehem
Docks	<i>Rumex</i> spp.
Doublegee	See Three cornered Jack
Doveweed	<i>Eremocarpus setiger</i>
Erodium	<i>Erodium</i> spp.
Fat Hen	<i>Chenopodium album</i>
Parthenium Weed	<i>Parthenium hysterophorus</i>
Paterson's Curse (Salvation Jane)	<i>Echium plantagineum</i>
Pink Convolvulus	<i>Ipomoea triloba</i>

**Weeds Controlled:**

Pink Flowered Burr	See Pinkburr
Pinkburr	<i>Urena lobata</i>
Potato Weed	<i>Galinsoga parviflora</i>
Purple Bean	See Siratro
Purpletop	<i>Verbena bonariensis</i>
Radish	<i>Raphanus raphanistrum</i>
Ragwort	<i>Senecio jacobaea</i>
Rapeseed	<i>Brassica rapa</i> var. <i>silvestris</i>
Rapistrum	<i>Rapistrum rugosum</i>
Rough Poppy	<i>Papaver Hybridum</i>
Rubber Vine	<i>Cryptostegia grandiflora</i>
Safflower	<i>Carthamus tinctorius</i>
Saffron Thistle	<i>Carthamus lanatus</i>
Salvation Jane	See Paterson's Curse
Scarlet Pimpernel	<i>Anagallis arvensis</i> var. <i>arvensis</i>
Sesbania Pea	<i>Sesbania</i> spp.
Shepherd's Purse	<i>Capsella bursa-pastoris</i>
Siratro (Purple Bean)	<i>Macroptilium</i> <i>atropurpureum</i>
Skeleton Weed	<i>Chondrilla juncea</i>
Slender Thistle	<i>Carduus pycnocephalus</i> , <i>C. tenuiflorus</i>
Sorrel	<i>Rumex acetosella</i>
Spear Thistle	<i>Cirsium vulgare</i>
Speedwell (Ivy Leaf)	<i>Veronica hederifolia</i>
Flannel Weed	<i>Sida cordifolia</i>
Flatweed	<i>Hypochoeris radicata</i>
Fleabanes	<i>Conyza</i> spp.
Fumitory - red	<i>Fumaria</i> spp.
Fumitory - white	<i>Fumaria</i> spp.
Galvanised Burr	<i>Sclerolaena birchii</i>
Geranium	<i>Geranium</i> spp.
Groundsel Bush	<i>Baccharis halimifolia</i>
Hawthorn	<i>Crataegus</i> spp.
Heliotrope	<i>Heliotropium</i> spp.
Hemlock	<i>Conium maculatum</i>
Hexham Scent (King Island Melilot)	<i>Melilotus indicus</i>
Hoary Cress	<i>Cardaria draba</i>
Hogweed (Wireweed)	<i>Polygonum aviculare</i>
Horehound	<i>Marrubium vulgare</i>
Indian Hedge	<i>Sisymbrium orientale</i>
Mustard	
Ipomoea Vines	<i>Ipomoea</i> spp.
Ivy Leaf	See Speedwell
Jute	<i>Corchorus capsularis</i>
Khaki Weed	<i>Alternanthera pungens</i>
King Island Melilot	See Hexham Scent
Knobweed	<i>Hyptis capitata</i>
Kyllinga Weed	<i>Cyperus sphaeroideus</i>
Lantana	<i>Lantana</i> spp.
Leucas	<i>Leucaena leucocephala</i>
Lincoln Weed	<i>Diplotaxis tenuifolia</i>
London Rocket	<i>Sisymbrium irio</i>

**Weeds Controlled:**

Lupins	<i>Lupinus</i> spp.
Matricaria	<i>Matricaria</i> spp.
Melons - Camel, Paddy	<i>Cucumis &amp; Citrullus</i> spp.
Mexican Clover	See White Eye
Mexican Poppy	<i>Argemone mexicana</i>
Milky Cotton Bushes	<i>Asclepias curassavica</i>
Mintweed	<i>Salvia reflexa</i>
Morning Glory	<i>Ipomoea</i> spp.
Mother of Millions	<i>Kalanchoe tubiflora</i>
Mustards	<i>Sisymbrium</i> spp.
Needle Burr	<i>Amaranthus spinosus</i>
New Zealand Spinach	<i>Tetragonia tetragonoides</i>
Noogoora Burr	<i>Xanthium pungens</i>
Spiny Emex	See Three Cornered Jack
Spinyhead Sida	<i>Sida acuta</i>
Star of Bethlehem (Cupids Flower)	<i>Ipomoea quamoclit</i>
Starburr	<i>Acanthospermum</i> <i>hispidum</i>
Stinkwort	<i>Dittrichia graveolens</i>
Storksbill	<i>Erodium</i> spp.
Sunflower	<i>Helianthus annuus</i>
Tares	See Vetch
Thornapple	<i>Datura</i> spp.
Three cornered Jack (Spiny Emex or Doublegee)	<i>Emex australis</i>
Tridax	<i>Tridax procumbens</i>
Tridax Daisy	See Tridax
Turnip	<i>Brassica rapa</i>
Turnip Weed	<i>Rapistrum rugosum</i>
Variiegated Thistle	<i>Silybum marianum</i>
Vetch (Tares)	<i>Vicia</i> spp.
Wards Weed	<i>Carrichtera annua</i>
Water Hyacinth	<i>Eichhornia crassipes</i>
Water Primrose	<i>Ludwigia peploides</i>
Weir Vine	<i>Ipomea calobra</i>
White Eye (Mexican Clover)	<i>Richardia brasiliensis</i>
Wild Cabbage	<i>Brassica</i> spp.
Wild Poppy	<i>Papaver hybridum</i>
Wild Radish	<i>Raphanus raphanistrum</i>
Wild Tobacco Tree	<i>Solanum mauritianum</i>
Wild Turnip	<i>Brassica</i> spp.