## POISON

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

# **-D Amine 625**

## Herbicide

ACTIVE CONSTITUENT: 625 g/L 2,4-D

present as the DIMETHYLAMINE AND DIETHANOLAMINE SALTS

**GROUP HERBICIDE** 

For the control of broadleaf weeds in fallow before direct drilling or sowing of cereals and pastures; and in cereal crops, hardwood and softwood plantations, lucerne, oil tea tree, pastures, sugarcane, peanuts and non-agricultural areas as specified in the Directions for Use table.

THIS IS A PHENOXY HERBICIDE THAT CAN CAUSE SEVERE DAMAGE TO NATIVE VEGETATION AND SUSCEPTIBLE CROPS SUCH AS COTTON, GRAPES, TOMATOES, OILSEED CROPS AND ORNAMENTALS.







adama.com **CONTENTS: 5 L - 1000 L** 

DO NOT apply by spraying equipment carried on the back of the user (manually pressurised backpack sprayer).

DO NOT apply by aircraft at rates exceeding 3.6 L/ha.

DO NOT apply by hand-held spraying equipment at rates exceeding 5.3 L/ha or 530 mL/100 L.

DO NOT use open mixing/loading equipment if treating more than 50 hectares in one day.

DO NOT exceed maximum application rate of 7.2 L/ha (4500 g ae/ha).

DO NOT apply if heavy rains or storms are forecast within 3 days. DO NOT irrigate to the point of runoff for at least 3 days after application.

DO NOT apply if crop or weeds are stressed due to dry or excessively moist conditions.

DO NOT apply by vertical sprayer.

Additional USAGE restrictions apply in some crops, states and seasons, see restriction tables 1 to 5.

Table 1: Timing restrictions for spraying peanuts

Situation	Rate (L/ha)	Dogion	Timing Restriction
Situation	hate (L/IIa)	Region	DO NOT APPLY DURING THE MONTHS
		Cape York	October & November
		Northern Gulf	October & November
		Northern Territory	October & November
	Up to 1.4L/ha	Wet Tropics	No timing restrictions
	Ορ το 1.41/11α	Burdekin	October
		Mackay/Whitsunday	September to December
		Mary/Burnett	October to November
Broadcast spraying, prior to sowing		SE Queensland	August to May
(peanuts)		Cape York	October & November
		Northern Gulf	October & November
		Northern Territory	October & November
	Up to 1.7L/ha	Wet Tropics	No timing restrictions
	Op to 1.7L/11a	Burdekin	October
		Mackay/Whitsunday	August to December
		Mary/Burnett	September to November
		SE Queensland	Use not supported
		Queensland dryland	No timing restrictions
		Cape York	No timing restrictions
		Northern Gulf	October & November
Band annuing and anning and		Northern Territory	October & November
Band spraying, post-sowing pre- emergence (peanuts)	Up to 1.8L/ha	Wet Tropics	No timing restrictions
cinergence (peanats)		Burdekin	No timing restrictions
		Mackay/Whitsunday	No timing restrictions
		Mary/Burnett	No timing restrictions
		SE Queensland	October to January

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Situation	Rate (L/ha)	Region	Timing Restriction
Situation	hate (L/IIa)	negion	DO NOT APPLY DURING THE MONTHS
		Queensland dryland	June to August
		Cape York	October & November
		Northern Gulf	October & November
Daniel and a section and		Northern Territory	October & November
Broadcast spray, post-sowing pre- emergence (peanuts)	Up to 3.6 L/ha	Wet Tropics	October to December
chiergenee (peanats)		Burdekin	September & October
		Mackay/Whitsunday	August to December
		Mary/Burnett	April to January
		SE Queensland	Use not supported

#### Table 2: Application and timing restrictions for application to pastures

	DO NOT apply above m	aximum rate (L/ha) below (	OR label rate, whichever is L	.OWEST	
	State	Summer	Autumn	Winter	Spring
	Queensland & NT	5.1	5.1	5.1	5.1
Pastures	New South Wales & ACT	5.1	5.1	5.1	5.1
(prior to sowing, conservation	Victoria	0.6	1.7	5.1	1.7
tillage)	Tasmania	0.6	1.2	3.6	1.7
	South Australia	1.2	1.7	5.1	3.6
	Western Australia	1.7	3.6	5.1	3.6
	State	Summer	Autumn	Winter	Spring
	Queensland & NT	7.2	7.2	7.2	7.2
	New South Wales & ACT	7.2	7.2	7.2	7.2
Pastures (established)	Victoria	1	1.9	7.2	3.6
	Tasmania	0.7	1.7	5.1	3.2
	South Australia	1.4	3.2	7.2	5.1
	Western Australia	3.6	5.1	7.2	5.1

#### Table 3: Timing restrictions for spraying sugarcane

Situation	Region		Timing Restriction (	DO NOT APPLY DURING THE MONTHS)	
Situation	negion	Up to 1.2 L/ha	Up to 1.8 L/ha	Up to 2.6 L/ha	Up to 3.5 L/ha
	Wet tropics & Baron (upper)	No timing restriction	No timing restriction	No timing restriction	October to December
No trash blanket	Burdekin & Baron (lower)	No timing restriction	No timing restriction	October	September to October
present during	Mackay/Whitsunday	No timing restriction	October to November	September to December	August to December
application	Mary/Burnett	No timing restriction	October to November	April to May & August to December	April to January
	Northern NSW & Rocky Point	No timing restriction	No timing restriction	No timing restriction	October to November
	Wet tropics & Baron (upper)	No timing restriction	No timing restriction	No timing restriction	November
Trash blanket is	Burdekin & Baron (lower)	No timing restriction	No timing restriction	October	October
present during	Mackay/Whitsunday	No timing restriction	October	October to November	September to December
application	Mary/Burnett	No timing restriction	October	May & October to November	April to May & July to December
	Northern NSW & Rocky Point	No timing restriction	No timing restriction	No timing restriction	October to November

#### Table 4: Application restrictions for turf

DO	NOT apply above maximum rate (L/ha) below OR label rate, whiche	ver is LOWEST
	State	Rate (L/ha)
	Queensland & NT	3.2
	New South Wales & ACT	3.2
Turf	Victoria	2.5
	Tasmania	2.5
	South Australia	2.5
	Western Australia	4.0
If applying to golf courses in Tasmania, DO NOT app	ly to fairways adjacent to natural water bodies.	

#### Table 5: Risk mitigation measures for dryland cropping, pre-emergence uses

Situation	Risk mitigation measures
Dryland cropping, preparatory spray	Only apply in no-till farming systems (Tasmania, South Australia)
Winter cereals, pre-emergence uses	Only apply in no-till farming systems (Tasmania, South Australia, Western Australia)
Summer cereals, pre-emergence uses	Only apply in no-till farming systems (Tasmania, South Australia)

#### SPRAY DRIFT RESTRAINTS

Specific definitions for terms used in this section of the label can be found at www.apvma.gov.au/spraydrift.

DO NOT allow bystanders to come into contact with the spray cloud.

DO NOT apply in a manner that may cause an unacceptable impact to native vegetation, agricultural crops, landscaped gardens and aquaculture production, or cause contamination. of plant or livestock commodities, outside the application site from spray drift. The buffer zones in the relevant buffer zone tables below provide guidance but may not be sufficient in all situations. Wherever possible, correctly use application equipment designed to reduce spray drift and apply when the wind direction is away from these sensitive areas.

DO NOT apply unless the wind speed is between 3 and 20 kilometres per hour at the application site during the time of application.

DO NOT apply if there are hazardous surface temperature inversion conditions present at the application site during the time of application. Surface temperature inversion conditions exist most evenings one to two hours before sunset and persist until one to two hours after sunrise.

#### BOOM SPRAYERS

DO NOT apply by a boom sprayer unless the following requirements are met:

- Spray droplets are not smaller than a VERY COARSE spray droplet size category
- Minimum distances between the application site and downwind sensitive areas (see 'Mandatory buffer zones' section of the following table titled 'Buffer zones for boom sprayers') are observed.



#### Buffer zones for boom sprayers

A	Boom height above target		Mandatory buf	fer zones (distances given i	in metres)	
Application rate	canopy	Bystander areas	Natural aquatic areas	Pollinator areas	Vegetation areas	Livestock areas
Up to E00 ml /bo	0.5 m or lower		0		0	
Up to 500 mL/ha	1.0 m or lower		30		25	
Up to 1.8 L/ha	0.5 m or lower		30		25	
υρ το 1.6 L/11a	1.0 m or lower		60		60	
Up to 2.5 L/ha	0.5 m or lower		30		30	
υρ το 2.5 L/11a	1.0 m or lower		80		75	
Up to 3 L/ha	0.5 m or lower		35		35	
Op to 3 L/IIa	1.0 m or lower		90		90	
Up to 3.6 L/ha	0.5 m or lower		40		35	
υρ το 3.6 L/11a	1.0 m or lower	0	110	0	110	0
Up to 4.3 L/ha	0.5 m or lower	U	45	ľ	40	] "
υρ το 4.3 L/11a	1.0 m or lower		130		130	
Up to 4.4 L/ha	0.5 m or lower		45		45	
υρ το 4.4 L/11a	1.0 m or lower		130		130	
Up to 4.8 L/ha	0.5 m or lower		50		45	
υρ το 4.6 L/11a	1.0 m or lower		150		140	
Up to 5.3 L/ha	0.5 m or lower		55		50	
oh to 3.9 r/11g	1.0 m or lower		160		160	
Up to 7.2 L/ha	0.5 m or lower		75		70	
υμ το 1.2 L/1ld	1.0 m or lower		300		275	

#### AIRCRAFT

- Do NOT apply by aircraft unless the following requirements are met:
   Spray droplets are no smaller than a VERY COARSE spray droplet size category
  - For maximum release heights above the target canopy of 3 metres or 25 per cent of wingspan or 25 per cent of rotor diameter whichever is the greatest, minimum distances between the application site and downwind sensitive areas (see 'Mandatory buffer zones' section of the following table titled 'Buffer zones for aircraft') are observed.

#### **Buffer zones for aircraft**

Analization sate	A:		Mandatory b	uffer zones (distances gi	ven in metres)	
Application rate	Aircraft type	Bystander Areas	Natural Aquatic Areas	Pollinator Areas	Vegetation Areas	Livestock Areas
II- 4- F00   /b	Fixed wing		80		80	
Up to 500 mL/ha	Helicopter		60		60	
Up to 900 mL/ha	Fixed wing		120		120	
Op to 900 mL/na	Helicopter		85		80	
Up to 1.5 L/ha	Fixed wing		170		160	
υρ το 1.5 L/11a	Helicopter		120	1	120	
Up to 1.7 L/ha	Fixed wing	0	180	0	180	0
υρ το 1.7 L/11a	Helicopter		130	U	120	] "
Up to 1.8 L/ha	Fixed wing		190		180	
υρ το 1.6 L/11a	Helicopter		130		130	
U- 4- 2.41 /b-	Fixed wing		230		220	
Up to 2.4 L/ha	Helicopter		160		150	
Up to 3.6 L/ha	Fixed wing		325		300	
υμ το 3.0 L/11a	Helicopter		200		200	

#### FORESTRY USES FOR APPLICATION BY HELICOPTER AND ACCU-FLO† NOZZLE, 0.020 ORIFICE OR LARGER

DO NOT apply by fixed with aircraft.

DO NOT apply by helicopter unless the following requirements are met:

• Accu-Flo nozzles with orifice size 0.020 or larger are used

- Flying speed 102 km/hr (55 knots) or slower
- Release heights 15 metres or lower above the target canopy
- Minimum distances between the application site and downwind sensitive aquatic and wetland areas including aquacultural ponds, surface streams and rivers (see 'Mandatory buffer zone' section of the following table titled 'Buffer zones for forestry uses by helicopter application') are observed
   Minimum distances between the application site and downwind sensitive crops, gardens, landscaping vegetation, protected native vegetation or protected animal habitat (see
- 'Mandatory buffer zone' section of the following table titled 'Buffer zones for forestry uses by helicopter application') are observed. The buffer zones provide guidance but may not always be completely protective of all agricultural crops.

#### Buffer zones for forestry uses by helicopter application

		Mandatory buffer zones (	distances given in metres)	
Application rate	Wind speed range at time of application	Helicopter		
		Aquatic areas	Vegetation areas	
Release heights 15 me	etres or lower above the target canopy	·		
Up to 1.6 L/ha	From 7 to 15 kilometres per hour	75	75	
υρ το 1.6 L/11a	From 3 to 7 kilometres per hour	35	35	
Release heights 10 me	etres or lower above the target canopy			
Up to 1.6 L/ha	From 7 to 15 kilometres per hour	45	45	
υρ το 1. <del>ο</del> L/na	From 3 to 7 kilometres per hour	15	15	

#### **DIRECTIONS FOR USE** 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 at the base of a tiller
		Vic only	225 mL - 1.4 L/ha	and before swelling of the head can be felt in a tiller (NSW,
		Qld only	560 mL - 1.4 L/ha	ACT, SA only).
		Tas only	800 mL - 1.4 L/ha	Apply from tillering to boot stage (Vic only).
Barley	7	NSW, ACT, SA only	320 mL - 1.4 L/ha	Apply from mid tillering to before boot stage (Qld only).  Apply at 5 leaf to fully tillered (Tas only).
		Vic only	225 mL - 1.4 L/ha	Use sufficient water to give good coverage.
		Qld only	560 mL - 1.4 L/ha	DO NOT spray cereals if lucerne is present and is to be
		Tas only	800 mL - 1.4 L/ha	retained.
Cereal Rye, Triticale		NSW, ACT, SA only	320 mL - 1.4 L/ha	
		Vic only	225 mL - 1.4 L/ha	
Oats	7	NSW, SA only	320 mL - 800 mL/ha	
		Vic only	225 mL - 800 mL/ha	



SITUATION & CROP	WEEDS	STATE	RATE	CRITICAL COMMENTS
Cereals: Wheat, Oats, Barley	Cape Tulip	WA only	640 mL - 1.3 L/ha	Apply from the 5 leaf stage up to jointing stage (Z15- 33).
	Dock, Flatweed, Saffron Thistle		1.1 L/ha	Apply after the 6 leaf stage (Z16) for cranbrook, jacup, aroona and spear wheat and mortlock oats to avoid possible
	Indian Hedge Mustard,	-	800 mL/ha	damage.
	London Rocket, Lupin,		000 1112/114	DO NOT spray if lucerne is present.
	Matricaria, Rapistrum,			WEED STAGE: 10-15 cm. Docks should be sprayed before 5 leaf stage. Cape Tulip - low rate for cormils only.
	Wild Radish Wild Turnip	-	640 mL/ha	lear stage. Cape fully - low rate for cornilis only.
	Capeweed, Doublegee,	1	200 mL/ha +	Apply when crop has 4-5 leaves and most weeds have
	Erodium, London Rocket,		278 g/ha ADAMA	germinated and are in 2-5 leaf stage. Crop and weeds should
	Lupin, Mustard, Rapistrum, Wild Radish, Wild Turnip		Diuron 900 WDG	be dry at time of application. Some temporary yellowing of crop may occur after application.
	vina riaaisii, vina rariip			Undersown sub-clovers may be slightly retarded.
M/L D . L	MCLID C.	W. CA ACT NOW	000 - 1 //-	DO NOT apply to undersown medics.  Spray 2 - 6 weeks after sowing and not later.
Wheat, Barley	Wild Radish	Vic, SA, ACT, NSW only	800 mL/ha + 850 g/ha of	DO NOT use on crops undersown with lucerne.
		'	methabenzthiazuron	
Fallow, Stubble Spray prior to direct	Refer Weed Table	Refer Weed Table	700 g/kg 225 mL - 1.7 L/ha	Observe plant back periods given in the table on this leaflet.
drilling or sowing – Winter Cereals,	TICICI WCCG TUBIC	TICICI VVCCu Tubic	223 IIIC 1.7 L/III	Can be mixed with chlorsulfuron, Spraytop® or paraquat +
Maize, Sweet Corn, Grain Legumes				diquat where grasses are present.
(Peanuts – Qld, NT only) and Canola USAGE RESTRICTIONS APPLY:				Select appropriate rate from the Weed Table.
See Table 1: Timing restrictions for				For Skeleton weed spraying should only be done 6-8 weeks
spraying peanuts and Table 5: Risk mitigation measures for dryland				before anticipated sowing date and subsequent cultivation limited to a minimum.
cropping, pre-emergent uses				innited to a minimum.
Maize, Sweet Corn		NSW, SA,	560 mL - 1.1 L/ha	Apply when crop is 10 - 20 cm high and secondary roots are
		ACT only		developing for an over the top spray. When crop is between 20 cm high and just before tasselling, spray with dropped
				nozzles to avoid chemical being sprayed into the whorl and
		Old sale	FC0   000   //	on upper leaves.
		Qld only	560 mL - 900 mL/ha	Apply when crop is 10 - 30 cm high and secondary roots have developed. Use drop nozzles and direct the spray when crop
				exceeds 30 cm in height and before tasselling.
		Tas only	800 mL – 1.4 L/ha	Apply when crop is 15-30 cm high. DO NOT spray if the crop is showing signs of stress. Some leaf twisting may occur
				following application – crop recovers quickly.
Sorghum		NSW, SA,	560 mL - 1.1 L/ha	Apply preferably when crop is at 3 - 6 fully expanded leaf
		ACT, Vic only		stage but can be sprayed from 2 - 8 leaf stage. From 6 leaf stage onwards to within 2 weeks of flowering, crop can
				be sprayed with dropped nozzles to avoid chemical being
				sprayed into the whort and on upper leaves.
		Qld only (except central Qld)	560 mL - 900 mL/ha	Apply when crop has 4 - 8 fully expanded leaves and secondary roots have developed.
Millet	-	NSW, SA, ACT, Vic	560 mL - 1.1 L/ha	Spray when secondary roots have developed, when fully
		only		tillered and before heads start to form at the base of the
		Qld only	560 mL - 900 mL/ha	tillers. DO NOT use on panorama millet or panicum.
Maize, Sweet Corn, Saccaline, Broom	Cape Tulip, Dock, Saffron	WA only	1.1 L/ha	Spray when crop is 10-30cm high and secondary roots have
Millet, Millet	Thistle, Indian Hedge Mustard, London Rocket,			developed and before tasselling. Apply as direct spray to weeds.
Grain Sorghum	Lupin, Rapistrum, Radish,			Apply when crop is 12 cm high. DO NOT apply between tassel
	Wild Turnip		0.4.0.1	and dough stage. Avoid spraying when in flower.
Sugarcane	with label directions.	ns found on other produ	cts containing 2,4-D do no	ot apply to ADAMA 2,4-D Amine 625 when used in accordance
USAGE RESTRICTIONS APPLY. SEE	When applied as a directed sp			the RESTRAINTS section of the label do not apply if the spraying
TABLE 3: Timing restrictions for spraying sugarcane	top of the crop canopy (exclud	zzies are orientated beid ding spravers that are a	ow the horizontal of the top ir assisted).	p of the crop canopy and spray is released at a height below the
. , , ,	Bellvine	Qld, NSW only	280 mL/100 L water	Apply in Spring, using directed spray.
	Morning Glory Pink Convolvulus, Star of	_	560 mL - 1.1 L/ha	Apply in Summer using high clearance tractor.  Apply in Autumn by aircraft or misters.
	Bethlehem		1.1 L/ha	Apply III Autuilii by aircraft of filisters.
	Bindy Eye (Star Burr),	1	1.8 - 3.5 L/ha	Add 120 mL of BS1000 <sup>†</sup> or other approved 1000 g/L alcohol
	Blue Top, Cobbler's Pegs, Fleabanes, Jute, Leucas,			alkoxylate surfactant to 100 L of spray mixture. Agitate well. DO NOT use on Q63, Q67, Q80 or Q96 Varieties.
	Needle Burr, Spear Thistle,			DO NOT use on Q63 or Q67 varieties (at any rate).
	Water Primrose, Ipomea			DO NOT use above1.1 L/ha on Q80, Q96 or H56 varieties.
	Vines, Convolvulus Vines Chinese Mint, Blue	-	3.5 L/ha	Refer to local Sugar Research Australia (SRA) representative for further information.
	Snakeweed		·	
Peanuts	Broadleaf Weeds except	Qld, NT only	1.8 - 3.6 L/ha	LOWER RATE: Apply as BAND SPRAY as soon as possible
USAGE RESTRICTIONS APPLY. SEE	Noogoora burr, Grasses except Mossman burr			after planting in a 55 cm band. HIGHER RATE: Apply as OVERALL SPRAY after planting and
TABLE 1: Timing restrictions for				before crop emergence. Some crop damage may occur if
spraying peanuts Harvest Aid or Salvage Spray	Docincate	All States	1.2 - 1.7 L/ha	heavy rain falls between application and crop emergence.  Apply after dough stage.
- Winter Cereals	Desiccate	All States	1.2 - 1.1 L/IId	Appry arter dough stage.
Harvest Aid or Salvage Spray	Broadleaf Weeds	T	7	
	Broadleaf Weeds Refer Weed Table	Qld, NSW, ACT only		
- Maize & Sorghum	Refer Weed Table	, ,	160 ml /10 L water	Inject at the rate of 15 ml nor fully grown plant 10 ml nor
		Qld, NSW, ACT only 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.
- Maize & Sorghum	Refer Weed Table	, ,	160 mL/10 L water 320 mL/100 L water	medium sized plant and 5 mL for small suckers.  Allow suckers from corms of treated plants to form broad
- Maize & Sorghum	Refer Weed Table	, ,		medium sized plant and 5 mL for small suckers.  Allow suckers from corms of treated plants to form broad adult leaves, then spray. Isolated spots may require a second
- Maize & Sorghum	Refer Weed Table	, ,		medium sized plant and 5 mL for small suckers.  Allow suckers from corms of treated plants to form broad
- Maize & Sorghum Bananas	Refer Weed Table	Qld only	320 mL/100 L water	medium sized plant and 5 mL for small suckers.  Allow suckers from corms of treated plants to form broad adult leaves, then spray. Isolated spots may require a second spray.  Inject at the rate of 15 mL per fully grown plant, 10 mL per medium sized plant and 5 mL for small suckers. Apply by stem
- Maize & Sorghum Bananas  Cavendish bananas	Refer Weed Table  To destroy Banana suckers	Qld only All States	320 mL/100 L water	medium sized plant and 5 mL for small suckers.  Allow suckers from corms of treated plants to form broad adult leaves, then spray. Isolated spots may require a second spray.  Inject at the rate of 15 mL per fully grown plant, 10 mL per medium sized plant and 5 mL for small suckers. Apply by stem injection only.
- Maize & Sorghum Bananas	Refer Weed Table	Qld only	320 mL/100 L water	medium sized plant and 5 mL for small suckers.  Allow suckers from corms of treated plants to form broad adult leaves, then spray. Isolated spots may require a second spray.  Inject at the rate of 15 mL per fully grown plant, 10 mL per medium sized plant and 5 mL for small suckers. Apply by stem



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

USAGE RESTRICTIONS APPLY	WEEDS Y. See Table 2: Application and	STATE iming restrictions for a	RATE	CRITICAL COMMENTS
Pastures and Non-	Refer Weed Table	NSW, Qld, SA, ACT,	560 mL - 1.7 L/ha	Pasture legumes including lucerne, clovers and medics may be damaged
Agricultural		Tas only	300 IIIE 1.7 L/110	unless well protected by grasses. Spot spraying is preferred.
areas	Galvanised 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 seeds.
	Amsinckia, Docks, Bindweed, Caltrop,	WA only	1.1 - 2.4 L/ha	For pastures not containing legumes. Only seedling docks, spear thistle at saffron thistle will be controlled.
	Flatweed, Spear Thistle,			SUMMER WEEDS: Use low rate for seedlings, 1.6 - 2.4 L/ha for larger plar
	Capeweed, Saffron Thistle,			Stock poisoning may occur when grazed after spraying if large amounts
	Mustard, Wild Radish,			present, particularly Heliotrope.
	Wild Turnip, Annual			WINTER WEEDS: Use low rate for seedlings, 1.6 - 2.4 L/ha for larger plant
	Thistles, Paterson's Curse,			If stock present, use spray/grazing rates.
	Heliotrope, Ragwort, Three Cornered Jack (Doublegee,			
	Spiny Emex)			
	Afghan Melons		1.6 L/ha plus	Spray when plants are actively growing preferably before flowering or
			1% crop oil	vining.
	Paddy Melons		800 mL - 1.1 L/ha	
	Prickly Saltwort (Roly Poly)		1.6 L/ha	Spray when plants are small.
	Stinkwort		1.6 - 3.2 L/ha	Best results are obtained when plants are small. Use high rate on larger
			plus surfactant	plants.
Pastures, Rights-of-Way	Dove Weed Boxthorn, Boneseed,	Vic, SA only	3.2 L/ha Undiluted	Spray after good emergence of seedlings.  CUT STUMP: Apply as an undiluted spray to freshly cut stumps.
and Industrial areas	Hawthorn	VIC, SA UTILY	Ondiluted	COT STOWE. Apply as all ununuted spray to freshly cut stumps.
and madothar arous	Groundsel	NSW, Qld,	320 mL/100 L water	HIGH VOLUME: Thoroughly wet plants.
		ACT, SA only		
		Tas only	240 mL/15 L water	CUT STUMP: Swab the cut stump immediately. Apply by a pouring can.
		Qld, NSW, ACT, SA,	2.9 - 3.6 L/ha	AERIAL APPLICATION: Spray when Groundsel is actively growing.
		Tas only		
	Lantana	NSW, Qld,	320 mL/100 L water	Use a VERY COARSE spray with sufficient pressure to penetrate canopy
		ACT, SA only		and wet stems as well as foliage. Spray at the end of a wet Summer (Mar 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,	400 mL/100 L water	Hand gun only. A thorough coverage of leaves and plantlets is necessary
		ACT only		Use BS1000 or other approved 1000 g/L alcohol alkoxylate surfactant at the rate of 1 mL of surfactant per 1 L of mixture.
	Noogoora Burr, Weir Vine	Qld only	160 mL/100 L water	In all cases apply to young, actively growing weeds, ensuring thorough
	(Ipomea),	ulu olliy	100 IIIL/ 100 L Water	coverage.
	Scarlet Pimpernel			oovorage.
	(Seedlings Only),			
	White Eye (Mexican Clover)			
	Annual and Perennial	Qld only	320 mL/100 L water	In all cases apply to young, actively growing weeds, ensuring thorough
	Pigweed, Artichoke Thistle, Bathurst Burr, Billygoat			coverage. * Spray rosette stage.
	Weed, Bluesnake Weed,			*Repeat spraying necessary.
	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* Rubber Vine		160 mL/10 L water	Apply to freshly cut stump.
				i repri to moonly out otamp.
	I Seshania Pea		560 - 900 ml /ha	
	Sesbania Pea Water Hyacinth		560 - 900 mL/ha	
	Sesbania Pea Water Hyacinth Wild Tobacco Tree		560 - 900 mL/ha 3.5 - 5.3 L/ha 240 mL/15 L water	Apply in 2200 to 3300 L water/ha.
	Water Hyacinth		3.5 - 5.3 L/ha	Apply in 2200 to 3300 L water/ha.  Cut Stump Treatment: Swab cut stump within 1 hour of cutting. Apply by pouring can.
Agricultural Non-Crop	Water Hyacinth	All States	3.5 - 5.3 L/ha	Apply in 2200 to 3300 L water/ha.  Cut Stump Treatment: Swab cut stump within 1 hour of cutting. Apply by pouring can.  Apply by boom spray at 1500 L/ha spray volume. To be applied when plan
areas, Commercial and	Water Hyacinth Wild Tobacco Tree	All States	3.5 - 5.3 L/ha 240 mL/15 L water	Apply in 2200 to 3300 L water/ha.  Cut Stump Treatment: Swab cut stump within 1 hour of cutting. Apply by pouring can.  Apply by boom spray at 1500 L/ha spray volume. To be applied when plan is green. DO NOT apply more than 2 applications per year with a minimur
areas, Commercial and Industrial areas, Pastures	Water Hyacinth Wild Tobacco Tree	All States	3.5 - 5.3 L/ha 240 mL/15 L water	Apply in 2200 to 3300 L water/ha.  Cut Stump Treatment: Swab cut stump within 1 hour of cutting. Apply by pouring can.  Apply by boom spray at 1500 L/ha spray volume. To be applied when plan is green. DO NOT apply more than 2 applications per year with a minimur re-treatment interval of 21 days between consecutive applications.
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areas, Commercial and Industrial areas, Pastures	Water Hyacinth Wild Tobacco Tree	All States	3.5 - 5.3 L/ha 240 mL/15 L water 800 mL/ha + wetter	Apply in 2200 to 3300 L water/ha.  Cut Stump Treatment: Swab cut stump within 1 hour of cutting. Apply by pouring can.  Apply by boom spray at 1500 L/ha spray volume. To be applied when plan is green. D0 NOT apply more than 2 applications per year with a minimur re-treatment interval of 21 days between consecutive applications. ADAMA 2,4-D Amine 625 can be used to create and maintain hospital are for livestock suffering from Pimelea poisoning.  Pimelea may become more palatable after herbicide application - stock should be excluded from treated areas until sprayed Pimelea plants are leafless, seedless and obviously dead.
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areas, Commercial and Industrial areas, Pastures and Rights-of-Way	Water Hyacinth Wild Tobacco Tree  Pimelea spp.		3.5 - 5.3 L/ha 240 mL/15 L water 800 mL/ha + wetter 55 mL/100 L water + wetter	Apply in 2200 to 3300 L water/ha.  Cut Stump Treatment: Swab cut stump within 1 hour of cutting. Apply by pouring can.  Apply by boom spray at 1500 L/ha spray volume. To be applied when plan is green. D0 N0T apply more than 2 applications per year with a minimur re-treatment interval of 21 days between consecutive applications.  ADAMA 2,4-D Amine 625 can be used to create and maintain hospital are for livestock suffering from Pimelea poisoning.  Pimelea may become more palatable after herbicide application - stock should be excluded from treated areas until sprayed Pimelea plants are leafless, seedless and obviously dead.  Apply by spot spray. Thoroughly wet all foliage to the point of run-off (approximately 1500 L/ha spray volume).
areas, Commercial and Industrial areas, Pastures and Rights-of-Way	Water Hyacinth Wild Tobacco Tree  Pimelea spp.  Charlock, Mustards,	All States  All States	3.5 - 5.3 L/ha 240 mL/15 L water 800 mL/ha + wetter 55 mL/100 L	Apply in 2200 to 3300 L water/ha. Cut Stump Treatment: Swab cut stump within 1 hour of cutting. Apply by pouring can. Apply by boom spray at 1500 L/ha spray volume. To be applied when plan is green. D0 N0T apply more than 2 applications per year with a minimur re-treatment interval of 21 days between consecutive applications. ADAMA 2,4-D Amine 625 can be used to create and maintain hospital are for livestock suffering from Pimelea poisoning. Pimelea may become more palatable after herbicide application - stock should be excluded from treated areas until sprayed Pimelea plants are leafless, seedless and obviously dead. Apply by spot spray. Thoroughly wet all foliage to the point of run-off (approximately 1500 L/ha spray volume). Apply to actively growing young plants.
areas, Commercial and Industrial areas, Pastures and Rights-of-Way  Conservation Tillage — Direct Drilling, Surface	Water Hyacinth Wild Tobacco Tree  Pimelea spp.  Charlock, Mustards, Shepherd's Purse, Saffron,		3.5 - 5.3 L/ha 240 mL/15 L water 800 mL/ha + wetter 55 mL/100 L water + wetter	Apply in 2200 to 3300 L water/ha.  Cut Stump Treatment: Swab cut stump within 1 hour of cutting. Apply by pouring can.  Apply by boom spray at 1500 L/ha spray volume. To be applied when plan is green. D0 NOT apply more than 2 applications per year with a minimur re-treatment interval of 21 days between consecutive applications. ADAMA 2,4-D Amine 625 can be used to create and maintain hospital ard for livestock suffering from Pimelea poisoning.  Pimelea may become more palatable after herbicide application - stock should be excluded from treated areas until sprayed Pimelea plants are leafless, seedless and obviously dead.  Apply by spot spray. Thoroughly wet all foliage to the point of run-off (approximately 1500 L/ha spray volume).  Apply to actively growing young plants.  Before sowing: Observe plant back periods given in the table on this leaf
areas, Commercial and Industrial areas, Pastures and Rights-of-Way  Conservation Tillage — Direct Drilling, Surface Sowing or	Water Hyacinth Wild Tobacco Tree  Pimelea spp.  Charlock, Mustards, Shepherd's Purse, Saffron, Slender, Spear And Variegated Thistles*, Turnip		3.5 - 5.3 L/ha 240 mL/15 L water 800 mL/ha + wetter 55 mL/100 L water + wetter	Apply in 2200 to 3300 L water/ha.  Cut Stump Treatment: Swab cut stump within 1 hour of cutting. Apply by pouring can.  Apply by boom spray at 1500 L/ha spray volume. To be applied when plan is green. D0 NOT apply more than 2 applications per year with a minimur re-treatment interval of 21 days between consecutive applications.  ADAMA 2,4-D Amine 625 can be used to create and maintain hospital are for livestock suffering from Pimelea poisoning.  Pimelea may become more palatable after herbicide application - stock should be excluded from treated areas until sprayed Pimelea plants are leafless, seedless and obviously dead.  Apply by spot spray. Thoroughly wet all foliage to the point of run-off (approximately 1500 L/ha spray volume).  Apply to actively growing young plants.
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areas, Commercial and Industrial areas, Pastures and Rights-of-Way  Conservation Tillage — Direct Drilling, Surface Sowing or	Water Hyacinth Wild Tobacco Tree  Pimelea spp.  Charlock, Mustards, Shepherd's Purse, Saffron, Slender, Spear And Variegated Thistles*, Turnip Weed, Wild Radish, Wild Turnip		3.5 - 5.3 L/ha 240 mL/15 L water 800 mL/ha + wetter 55 mL/100 L water + wetter 0.56 - 1.6 L/ha	Apply in 2200 to 3300 L water/ha.  Cut Stump Treatment: Swab cut stump within 1 hour of cutting. Apply by pouring can.  Apply by boom spray at 1500 L/ha spray volume. To be applied when plan is green. D0 N0T apply more than 2 applications per year with a minimur re-treatment interval of 21 days between consecutive applications. ADAMA 2,4-D Amine 625 can be used to create and maintain hospital are for livestock suffering from Pimelea poisoning.  Pimelea may become more palatable after herbicide application - stock should be excluded from treated areas until sprayed Pimelea plants are leafless, seedless and obviously dead.  Apply by spot spray. Thoroughly wet all foliage to the point of run-off (approximately 1500 L/ha spray volume).  Apply to actively growing young plants.  Before sowing: Observe plant back periods given in the table on this leaflest Warning: Treated plants may become toxic to stock.
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areas, Commercial and Industrial areas, Pastures and Rights-of-Way  Conservation Tillage — Direct Drilling, Surface Sowing or Fallow Maintenance	Water Hyacinth Wild Tobacco Tree  Pimelea spp.  Charlock, Mustards, Shepherd's Purse, Saffron, Slender, Spear And Variegated Thistles*, Turnip Weed, Wild Radish, Wild Turnip Clover, Sorrel	All States	3.5 - 5.3 L/ha 240 mL/15 L water  800 mL/ha + wetter  55 mL/100 L water + wetter  0.56 - 1.6 L/ha  1.1 L/ha + 280 - 400 mL/ha of Cutlass® 500	Apply in 2200 to 3300 L water/ha.  Cut Stump Treatment: Swab cut stump within 1 hour of cutting. Apply by pouring can.  Apply by boom spray at 1500 L/ha spray volume. To be applied when plan is green. D0 NOT apply more than 2 applications per year with a minimur re-treatment interval of 21 days between consecutive applications. ADAMA 2,4-D Amine 625 can be used to create and maintain hospital are for livestock suffering from Pimelea poisoning.  Pimelea may become more palatable after herbicide application - stock should be excluded from treated areas until sprayed Pimelea plants are leafless, seedless and obviously dead.  Apply by spot spray. Thoroughly wet all foliage to the point of run-off (approximately 1500 L/ha spray volume).  Apply to actively growing young plants.  Before sowing: Observe plant back periods given in the table on this leaf *Warning: Treated plants may become toxic to stock.  Apply to actively growing plants in Autumn.  DO NOT sow pasture seed for at least 30 days after application.
areas, Commercial and Industrial areas, Pastures and Rights-of-Way  Conservation Tillage — Direct Drilling, Surface Sowing or Fallow Maintenance	Water Hyacinth Wild Tobacco Tree  Pimelea spp.  Charlock, Mustards, Shepherd's Purse, Saffron, Slender, Spear And Variegated Thistles*, Turnip Weed, Wild Radish, Wild Turnip		3.5 - 5.3 L/ha 240 mL/15 L water 800 mL/ha + wetter 55 mL/100 L water + wetter 0.56 - 1.6 L/ha	Apply in 2200 to 3300 L water/ha.  Cut Stump Treatment: Swab cut stump within 1 hour of cutting. Apply by pouring can.  Apply by boom spray at 1500 L/ha spray volume. To be applied when plan is green. D0 NOT apply more than 2 applications per year with a minimur re-treatment interval of 21 days between consecutive applications. ADAMA 2,4-D Amine 625 can be used to create and maintain hospital are for livestock suffering from Pimelea poisoning.  Pimelea may become more palatable after herbicide application - stock should be excluded from treated areas until sprayed Pimelea plants are leafless, seedless and obviously dead.  Apply by spot spray. Thoroughly wet all foliage to the point of run-off (approximately 1500 L/ha spray volume).  Apply to actively growing young plants.  Before sowing: Observe plant back periods given in the table on this leaf *Warning: Treated plants may become toxic to stock.  Apply to actively growing plants in Autumn.  D0 NOT sow pasture seed for at least 30 days after application.
areas, Commercial and Industrial areas, Pastures and Rights-of-Way  Conservation Tillage — Direct Drilling, Surface Sowing or Fallow Maintenance  Lucerne Stand Reduction	Water Hyacinth Wild Tobacco Tree  Pimelea spp.  Charlock, Mustards, Shepherd's Purse, Saffron, Slender, Spear And Variegated Thistles*, Turnip Weed, Wild Radish, Wild Turnip Clover, Sorrel	All States	3.5 - 5.3 L/ha 240 mL/15 L water  800 mL/ha + wetter  55 mL/100 L water + wetter  0.56 - 1.6 L/ha  1.1 L/ha + 280 - 400 mL/ha of Cutlass® 500	Apply in 2200 to 3300 L water/ha.  Cut Stump Treatment: Swab cut stump within 1 hour of cutting. Apply by pouring can.  Apply by boom spray at 1500 L/ha spray volume. To be applied when plan is green. D0 NOT apply more than 2 applications per year with a minimur re-treatment interval of 21 days between consecutive applications.  ADAMA 2,4-D Amine 625 can be used to create and maintain hospital are for livestock suffering from Pimelea poisoning.  Pimelea may become more palatable after herbicide application - stock should be excluded from treated areas until sprayed Pimelea plants are leafless, seedless and obviously dead.  Apply by spot spray. Thoroughly wet all foliage to the point of run-off (approximately 1500 L/ha spray volume).  Apply to actively growing young plants.  Before sowing: Observe plant back periods given in the table on this leaf * Warning: Treated plants may become toxic to stock.  Apply to actively growing plants in Autumn.  DO NOT sow pasture seed for at least 30 days after application.  Spray in spring when lucerne is actively growing using a minimum spray volume of 50 L/ha.
areas, Commercial and Industrial areas, Pastures and Rights-of-Way  Conservation Tillage — Direct Drilling, Surface Sowing or Fallow Maintenance  Lucerne Stand Reduction Fallow	Water Hyacinth Wild Tobacco Tree  Pimelea spp.  Charlock, Mustards, Shepherd's Purse, Saffron, Slender, Spear And Variegated Thistles*, Turnip Weed, Wild Radish, Wild Turnip Clover, Sorrel	All States	3.5 - 5.3 L/ha 240 mL/15 L water  800 mL/ha + wetter  55 mL/100 L water + wetter  0.56 - 1.6 L/ha  1.1 L/ha + 280 - 400 mL/ha of Cutlass® 500	Apply in 2200 to 3300 L water/ha.  Cut Stump Treatment: Swab cut stump within 1 hour of cutting. Apply by pouring can.  Apply by boom spray at 1500 L/ha spray volume. To be applied when plan is green. D0 NOT apply more than 2 applications per year with a minimur re-treatment interval of 21 days between consecutive applications.  ADAMA 2,4-D Amine 625 can be used to create and maintain hospital are for livestock suffering from Pimelea poisoning.  Pimelea may become more palatable after herbicide application - stock should be excluded from treated areas until sprayed Pimelea plants are leafless, seedless and obviously dead.  Apply by spot spray. Thoroughly wet all foliage to the point of run-off (approximately 1500 L/ha spray volume).  Apply to actively growing young plants.  Before sowing: Observe plant back periods given in the table on this leaf * Warning: Treated plants may become toxic to stock.  Apply to actively growing plants in Autumn.  DO NOT sow pasture seed for at least 30 days after application.  Spray in spring when lucerne is actively growing using a minimum spray volume of 50 L/ha.
Agricultural Non-Crop areas, Commercial and Industrial areas, Pastures and Rights-of-Way  Conservation Tillage — Direct Drilling, Surface Sowing or Fallow Maintenance  Lucerne Stand Reduction Fallow Commencement	Water Hyacinth Wild Tobacco Tree  Pimelea spp.  Charlock, Mustards, Shepherd's Purse, Saffron, Slender, Spear And Variegated Thistles*, Turnip Weed, Wild Radish, Wild Turnip Clover, Sorrel	All States	3.5 - 5.3 L/ha 240 mL/15 L water  800 mL/ha + wetter  55 mL/100 L water + wetter  0.56 - 1.6 L/ha  1.1 L/ha + 280 - 400 mL/ha of Cutlass® 500	Apply in 2200 to 3300 L water/ha.  Cut Stump Treatment: Swab cut stump within 1 hour of cutting. Apply by pouring can.  Apply by boom spray at 1500 L/ha spray volume. To be applied when plan is green. D0 NOT apply more than 2 applications per year with a minimure-treatment interval of 21 days between consecutive applications. ADAMA 2,4-D Amine 625 can be used to create and maintain hospital are for livestock suffering from Pimelea poisoning.  Pimelea may become more palatable after herbicide application - stock should be excluded from treated areas until sprayed Pimelea plants are leafless, seedless and obviously dead.  Apply by spot spray. Thoroughly wet all foliage to the point of run-off (approximately 1500 L/ha spray volume).  Apply to actively growing young plants.  Before sowing: Observe plant back periods given in the table on this leaflest. Warning: Treated plants may become toxic to stock.  Apply to actively growing plants in Autumn.  DO NOT sow pasture seed for at least 30 days after application.  Spray in spring when lucerne is actively growing using a minimum spray volume of 50 L/ha.  Heavily graze lucerne in winter and early spring to reduce crown and roc reserves.  Allow lucerne to regrow to 15 - 30 cm before spraying. Successful lucerne
areas, Commercial and Industrial areas, Pastures and Rights-of-Way  Conservation Tillage — Direct Drilling, Surface Sowing or Fallow Maintenance  Lucerne Stand Reduction Fallow	Water Hyacinth Wild Tobacco Tree  Pimelea spp.  Charlock, Mustards, Shepherd's Purse, Saffron, Slender, Spear And Variegated Thistles*, Turnip Weed, Wild Radish, Wild Turnip Clover, Sorrel	All States	3.5 - 5.3 L/ha 240 mL/15 L water  800 mL/ha + wetter  55 mL/100 L water + wetter  0.56 - 1.6 L/ha  1.1 L/ha + 280 - 400 mL/ha of Cutlass® 500	Apply in 2200 to 3300 L water/ha.  Cut Stump Treatment: Swab cut stump within 1 hour of cutting. Apply by pouring can.  Apply by boom spray at 1500 L/ha spray volume. To be applied when plan is green. D0 NOT apply more than 2 applications per year with a minimur re-treatment interval of 21 days between consecutive applications. ADAMA 2,4-D Amine 625 can be used to create and maintain hospital are for livestock suffering from Pimelea poisoning. Pimelea may become more palatable after herbicide application - stock should be excluded from treated areas until sprayed Pimelea plants are leafless, seedless and obviously dead.  Apply by spot spray. Thoroughly wet all foliage to the point of run-off (approximately 1500 L/ha spray volume).  Apply to actively growing young plants.  Before sowing: Observe plant back periods given in the table on this leaf * Warning: Treated plants may become toxic to stock.  Apply to actively growing plants in Autumn.  DO NOT sow pasture seed for at least 30 days after application.  Spray in spring when lucerne is actively growing using a minimum spray volume of 50 L/ha.  Heavily graze lucerne in winter and early spring to reduce crown and ror reserves.  Allow lucerne to regrow to 15 - 30 cm before spraying. Successful lucerr stand reduction is more likely if >70 mm of rain falls in the 6 to 8 weeks pi
areas, Commercial and Industrial areas, Pastures and Rights-of-Way  Conservation Tillage — Direct Drilling, Surface Sowing or Fallow Maintenance  Lucerne Stand Reduction Fallow	Water Hyacinth Wild Tobacco Tree  Pimelea spp.  Charlock, Mustards, Shepherd's Purse, Saffron, Slender, Spear And Variegated Thistles*, Turnip Weed, Wild Radish, Wild Turnip Clover, Sorrel	All States	3.5 - 5.3 L/ha 240 mL/15 L water  800 mL/ha + wetter  55 mL/100 L water + wetter  0.56 - 1.6 L/ha  1.1 L/ha + 280 - 400 mL/ha of Cutlass® 500	Apply in 2200 to 3300 L water/ha.  Cut Stump Treatment: Swab cut stump within 1 hour of cutting. Apply by pouring can.  Apply by boom spray at 1500 L/ha spray volume. To be applied when plan is green. D0 NOT apply more than 2 applications per year with a minimur re-treatment interval of 21 days between consecutive applications. ADAMA 2.4-D Amine 625 can be used to create and maintain hospital are for livestock suffering from Pimelea poisoning.  Pimelea may become more palatable after herbicide application - stock should be excluded from treated areas until sprayed Pimelea plants are leafless, seedless and obviously dead.  Apply by spot spray. Thoroughly wet all foliage to the point of run-off (approximately 1500 L/ha spray volume).  Apply to actively growing young plants.  Before sowing: Observe plant back periods given in the table on this leaf *Warning: Treated plants may become toxic to stock.  Apply to actively growing plants in Autumn.  DO NOT sow pasture seed for at least 30 days after application.  Spray in spring when lucerne is actively growing using a minimum spray volume of 50 L/ha.  Heavily graze lucerne in winter and early spring to reduce crown and roc reserves.



SITUATION & CROP	WEEDS	STATE	RATE	CRITICAL COMMENTS					
USAGE RESTRICTIONS APPL	USAGE RESTRICTIONS APPLY. See Table 2: Application and timing restrictions for application to pasture.								
Pastures Spray Graze Techniques	# PRECAUTION. An increased quantity of poisonous plants may be eaten by stock using Spray-Graze e.g. Caltrop, Capeweed, Paterson's Curse, Variegated Thistle and deaths could result from causes such as nitrate poisoning. With Paterson's curse, preferably graze stock soon destined for Islaughter and avoid extended periods of grazing. Avoid grazing with young or breeding stock. DO NOT graze horses or pigs on Paterson's Curse.								
	Amsinckia, Thistles, Capeweed, Doublegee, Mustard, Paterson's Curse, Wild Turnip, Wild Radish, Docks, Geranium, Erodium Annual Thistles, Capeweed, Doublegee, Mustards, Paterson's Curse, Turnip, Saffron Thistle, Spear Thistle, Geranium, Slender	SA only  Tas, Vic 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 maybe required for 2-3 years for complete control.  Refer "PRECAUTION" above.					
	Amsinckia, Docks (seedling only), Capeweed, Doublegee, Mustard, Wild Radish, Wild Turnip, Paterson's Curse, Annual Thistles	WA only	600-800 mL/ha						
	Spear Thistle, Saffron Thistle		1.2 L/ha	Apply to Saffron thistle at the end of September when plants are running up to flower. Sub. clovers may be damaged at this rate and use is not recommended for all medic pastures.					
	Melons		1.6 L/ha plus 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, Shepherd's Purse, Saffron, Slender, Spear Or Variegated Thistle*, Turnip Weed, Wild Radish, Wild Turnip	NSW, ACT only	0.28 - 1.1 L/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 medics may be damaged and should be grazed short before spraying. Other legumes may be affected.  * Warning: Treated plants may become toxic to stock.					

#### 3. LAWNS AND PLANTATIONS

SITUATION & CROP	WEEDS	STATE	RATE	CRITICAL COMMENTS		
Lawns, Playing Fields	Refer Weed Table	Qld, NSW, ACT only	1.5 - 3 mL/1 L of water or 1.6 - 3.2 L/ha	Wet foliage thoroughly. DO NOT mow lawn for 1 week before and at least 1 week after application.		
USAGE RESTRICTIONS APPLY. See Table 4: Application restrictions for turf		WA only	40 mL per 10-15 L water/100 m <sup>2</sup>	DO NOT use on Buffalo grass (WA only)		
Hardwood and Softwood Plantations	Broadleaf and Woody Weeds as per Weed Table including Groundsel and Pinus spp. Wildlings	All States	Up to 1.6 L/ha	Apply a single pre-plant application and/or a maximum of 2 post-plant applications using shielded sprayers within the first 2 years following planting. Apply using aircraft (rotary wing only) or ground based equipment.  DO NOT spray over or into watercourses.  ADAMA 2,4-D Amine 625 may be mixed with glyphosate for preplant applications.		
Oil Tea Tree	Refer to Weed Table	All States	Up to 960 mL/ha	Apply as a shielded spray. Avoid contact with foliage, green stems, exposed non-woody roots, desirable plants and trees as severe injury or destruction may result. Apply following harvest as a blanket spray only after:  • All residual tea tree foliage has been removed by mechanical shaving or by using a burner,  • No swollen buds are present on stumps. Note that buds can burst 8 days after harvest in summer, and  • Surfaces of cut stumps are dry prior to spraying commences.		
	Purple Top (Verbena bonariensis)	1	Apply at 960 mL/ha plus 720 g ai glyphosate/ha in tank mix	Apply as a shielded spray. Avoid contact with foliage, green stems, exposed non-woody roots, desirable plants and trees as severe injury or destruction may result.		

#### 4. SPOT SPRAYING

SITUATION	WEEDS	STATE	MIXING RATES / CRITICAL COMMENTS
High Volume Spraying	Refer Weed Table	All States	Add 1/10th of rate on weed table to 150 L of water. Each 150 L of mix will cover 1000 m² (1/10th ha) e.g.: If rate in weed table is 960 mL use 96 mL/ 150 L water.

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



#### WEED TABLE

Note: Where weeds are to be sprayed in a CROP or PASTURE, use only the rates 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.

where a rate or range of r			APPLICATION					
WEEDS CONTROLLED	CROP PASTURE							CRITICAL COMMENTS
WEEDO GONTHOLLED	Vic	NSW, ACT	SA	Qld	Tas	WA	NSW, SA, Qld, Tas only	Sill to the second seco
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	-	-	-	Spray young plants. Susceptible when young.
Bathurst burr	-	800 mL - 1.1 L	1.7 - 2.5 L	900 mL	-	-	800 mL - 1.1 L not SA	Spray seedlings only.
Bellvine	-	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 nightshade	-	560 mL - 1.1 L	-	900 mL	-	-	-	A selection flow in the selection of the
Blackeyed Susan Blue snakeweed	-	1.8 L 1.8 L	_	1.8 L 1.8 L	_	_	-	Apply at pre-flowering, preferably young stages.  Spray seedlings at young stages only.
California burr	_	800 mL - 1.1 L	_	900 mL	_	_	800 mL - 1.1 L	Spray seedlings only.
							not SA	
Cape tulip	-	-	-	-	-	640 mL - 1.3 L	-	Low rate for cormils 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 Charlock	560 - 800 mL	3.4 L 560 mL - 1.1 L	560 mL	3.4 L	- 1.4 L	-	_	Spray at young stage.
Clover	- 000 - 000 IIIL	1.2 L	- 300 IIIL	_	1.4 L	_	_	Spray at rosette stage.
Cobbler's pegs		1.2 L	_	1.8 L		_	_	Apply at pre-flowering, preferably young stages.
Common ice plant	_	1.0 L	1.1 L	1.0 L	_	_	-	-
Common sida	_	1.8 L	-	1.8 L	_	_	_	Spray seedling or young stages only.
Common sowthistle	_	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	Spray at multiple leaf stage. Effective only on seedlings.
<u> </u>							SA only	, ,
Doveweed	-	-	-	-	-	1.1 L	-	-
Fat hen	-	560 mL - 1.7 L	-	900 mL	1.4 L	-	-	Spray pre-flowering.
Flannel weed	-	1.8 L	-	1.8 L	-	-	-	Spray seedling or young stages only.
Flat weed Fumitory - red	-	-	1.7 L	-	-	1.1 L	-	-
Fumitory - red Fumitory - white	- 800 mL	-	560 mL	_	_	_	_	-   Spray at multiple leaf stage.
Heliotrope	- 000 IIIL	-	- 300 IIIL	_	_	1.1 L	-	Spray at multiple lear stage.
Hexham scent or	1.4 L	-	1.1 L	1.4 L	_	-	1.1 - 1.7 L	Spray multiple leaf stage before seeding.
Melilotus								opiny manipio iour orage zororo cocumg.
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.
Hogweed/	1.4 L	-	-	1.4 L	-	-	_	Spray at multiple leaf stage (Vic). Spray at seedling and
Wireweed			1.41				00.001	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	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	
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 or before plants have 10 leaves. Later stages
Pinkburr (Pink flowered	-	1.8 L	-	1.8 L	_	-	-	harder to kill.  Spray seedling or young stages only.
burr)						1		
Potato weed	-	560 mL - 1.1 L	-	900 mL	-	-	-	Constitution of the consti
Purpletop	-	3.4 L	-	3.4 L	_	- 111	-	Spray at young stage.
Radish	-	_	-	_	201	1.1 L	-	Spray up to early rosette stage (Tas only).
Ragwort Rapeseed	_ _	800 mL - 1.7 L	_	_	3.8 L –	1.1 L –	_	Spray up to early rosette stage (188 only).
Rapistrum	_	- 000 IIIL - 1.7 L	_	_	_	1.1 L	_	_
Rough poppy	_	1.1 L	_	_	_	-	_	-
Safflower	_	560 mL - 1.1 L	-	-	_	_	_	-
Shepherd's purse	_	1.1 - 1.7 L	-	-	1.4 L	_	800 mL - 1.1 L	Spray young rosettes.
Siratro (Purple bean)	-	1.8 L	-	1.8 L	-	_	-	Spray seedling or young stages only.
Skeleton weed	1.4 L	1.1 - 1.7 L	1.4 L	-	-	-	-	Spray rosettes before aerial growth commences.
Sorrel	1.4 L	1.7 L	1.4 L	-	-	-	-	Only moderately susceptible.
Speedwell -	-	-	1.1 L	-	-	-	-	-
Ivy leaf Spinyhead sida	_	1.8 L	_	1.8 L	_	_	_	Spray seedling or young stages only.
Starburr	_	1.8 L	_	1.8 L	_	_	-	Spray before seedling, advanced stages susceptible.
Spiny emex	-	-	-	1.4 L	_	_	_	Only young plants are susceptible.
Star of Bethlehem	-	-	-	1.8 L	-	-	-	Spray before seeding, advanced stages susceptible.
(Cupid's flower)			1				1	



	APPLICATION RATE PER HECTARE							
WEEDS CONTROLLED	CROP							CRITICAL COMMENTS
WEEDS SONTHOLLES	Vic	NSW, ACT	SA	Qld	Tas	WA	NSW, SA, Qld, Tas only	OIII TIOAE GOININE NEE
Stinkwort	-	800 mL - 1.4 L	-	-	-	-	-	_
Storksbill / Erodium	-	-	-	-	1.4 L	-	1.6 - 3.2 L	Spray seedlings to young rosettes.
Sunflower (seedlings)	1.4 L	560 mL - 1.4 L	_	900 mL	-	-	-	_
Thistles: - Annual	-	-	_	-	-	1.1 L	-	_
- Californian	-	-	-	-	2.7 L	-	3.2 - 3.8 L	Repeated applications may be necessary. (NSW, ACT, Tas only).
- Saffron	1.1 L	560 mL - 1.7 L	1.4 L	1.4 L	950 mL	1.1 L	1.1 - 1.7 L	Low rate only sufficient to control weeds in crops at rosette stage when sprayed early.
- Slender/Shore		800 mL - 1.7 L		-	1.4 L	-	1 - 1.4 L	Suppression only.
- Soldier	1.4 L	-	-	-	-	-	1.1 - 1.6 L not NSW, Tas	Spray young rosette.
- Spear	560 mL	-		-	1.4 L	-	1.1 - 1.6 L	Spray young rosettes.
- Star	-	-	-	-	-	_	1.6 - 3.2 L SA only	Use higher rate as flower stalk appears.
- Variegated		560 mL - 1.7 L	-	900 mL	1.4 L	_	1.1 - 1.7 L	Spray at rosette stage.
Thornapple	-	800 mL	-	-	-	-	1.6 - 2.4 L not SA	Spray seedlings only.
Tridax (Tridax daisy)	-	1.8 L	-	1.8 L	-	-	-	Spray seedling or young stages only.
Turnip weed/ Rapistrum		560 mL - 1.1 L	-	560 mL	-	800 mL	560 mL - 1.1 L	_
Vetches/Tares	1.4 L		1.1 L	-	-	_	-	Spray at multiple leaf stage.
Ward's weed	-	-	1.1 L	-	-	_	_	_
Wild cabbage	1.4 L	-	_	-	-	-	_	Spray multiple leaves.
Wild poppy	560 mL	-	_	_	-	-	1.1 - 1.7 L	Spray rosettes.
Wild radish	1.4 L	1.4 - 1.7 L	1.4 L	900 mL	1.4 L	800 mL	800 mL - 1.1 L	Spray up to young rosette stage.
Wild turnip	225 - 560 mL	560 mL - 1.1 L	320 mL	-	1.4 L	640 mL	560 mL - 1.1 L	Spray 2-4 leaf up to rosette stage.

MAXIMUM TOLERANCE FOR USE IN WHEAT, BARLEY, OATS AND TRITICALE FOR UNDERSOWN LEGUMES							
CROP	Qld	NSW, ACT	Vic	Vic	SA	WA	Tas
-	-	-	Early Tillering	Tillered Boot Stage	-	Tillered to boot (Z15-35)	Tillered 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			1.4 L/ha	1.4 L/ha	1.4 L/ha
Oats	-	800 mL/ha		800 mL/ha	900 mL/ha	1.3 L/ha	-
Triticale		1.4 L/ha		-	1.4 L/ha	1.7 L/ha	800 mL/ha
Undersown Clovers		-			-	680 mL/ha	560 mL/ha
Undersown Medics						NIL	
Undersown Lucerne							-

#### PLANT BACK DAYS FOR ADAMA 2,4-D AMINE 625

anan	RATES								
CROP	Up to 560 mL/ha	560 mL – 1.1 L/ha	1.1 – 1.7 L/ha						
Balansa clover	7	7	10						
Barley %	1	1	3						
Chickpeas #	7	14	21						
Cotton	10	14	21						
Faba beans	7	7	10						
Field peas	7	14	14						
Lentils	7	7	10						
Linseed	7	7	14						
Lucerne	7	7	10						
Lupins *	7	14	21						
Medics	7	7	10						
Narbon beans	7	7	10						
Navybean	10	10	14						
Oats	3	3	7						
Perennial ryegrass	7	7	10						
Persian clover	7	7	10						
Phalaris	7	7	10						
Canola/Rapeseed #	14	21	28						
Rice	7	7	14						
Safflower #	7	14	21						
Sorghum @	3	7	10						
Soybean	14	14	21						
Sub. clover	7	7	10						
Sunflower @	7	10	14						
Triticale %	1	3	7						
Vetch	7	7	10						
Wheat %	1	3	7						
White clover	7	7	10						

IMPORTANT: WHEN APPLIED TO DRY SOILS AT LEAST 15MM (1/2 INCH) OF RAIN MUST FALL PRIOR TO THE COMMENCEMENT OF THE PLANT BACK PERIOD.

#### NOTES:

- In Queensland, no rainfall is required to fall prior to commencement of Plant Back Period for wheat, barley and triticale.

  In Queensland, planting of canola/rapeseed, chickpeas and safflower must be delayed for at least 14 days following rainfall of at least 15mm.

  In Central Queensland, when using 800 mL/ha or less of ADAMA 2,4-D AMINE 625, the Plant Back Period for sorghum and sunflower is 1 day irrespective of rainfall.
- in WA the Plant Back Period for lupins at all rates is 28 days.

In Tasmania, this product may only be used from 15th April to 15th September unless otherwise permitted by the Registrar of Pesticides.

WITHHOLDING PERIODS

**GRAZING:** 

PASTURES, CEREAL CROPS: DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 7 DAYS AFTER APPLICATION.
LUCERNE (AFTER FALLOW COMMENCEMENT APPLICATION): DO NOT GRAZE, CUT OR CULTIVATE FOR AT LEAST 21 DAYS AFTER SPRAYING.



#### **GENERAL INSTRUCTIONS**

Before opening, carefully read Directions for Use, Precautionary Statements, Safety Directions and First Aid Instructions.

#### Mode of action

This product is readily absorbed through plant roots. The chemical mimics the action of auxins causing over stimulation of growth and rupture of cells and eventual death of susceptible weeds.

#### Mixing

ADAMA 2,4-D AMINE 625 mixes readily in water. Part fill spray tank with water. Add the required amount of ADAMA 2,4-D AMINE 625 and fill the rest of the tank. Maintain agitation.

#### Application information

BOOM SPRAYING: Use 30 - 120 L/ha of water.
AERIAL SPRAYING: Use 10 - 90 L/ha of water.

#### **Equipment maintenance and usage**

Ensure boomspray is calibrated and check nozzles, hoses and pump before using. Clean spray equipment thoroughly and wash out well with a suitable boom cleaner or warm soapy water and rinse several times before re-use. Equipment that has been used for this chemical should not be used for the application of other materials to sensitive plants, unless it has been well washed out with hot soapy water or 1% solution of ammonia, followed by several clear water rinses.

#### Compatibility

For information on compatibility, please contact Adama Australia.

#### **RESISTANT WEEDS WARNING**

ADAMA 2,4-D AMINE 625 Herbicide is a member of the Phenoxys group of herbicides. ADAMA



2,4-D AMINE 625 has the Disruptors of plant cell growth mode of action. For weed resistance management ADAMA 2,4-D AMINE 625 is a Group 4 Herbicide. Some naturally occurring weed biotypes resistant to ADAMA 2,4-D AMINE 625 and other Group 4 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 ADAMA 2,4-D AMINE 625 or Group 4 herbicides. Since the occurrence of resistant weeds is difficult to detect prior to use, Adama Australia accepts no liability for any losses that may result from the failure of ADAMA 2,4-D AMINE 625 to control resistant weeds.

#### **RE-ENTRY PERIOD**

DO NOT hand harvest sugarcane for at least 1 day after application. If re-entering treated areas before the spray has dried, workers should wear overalls, elbow-length gloves and water-resistant footwear. Clothing should be laundered after each day's use.

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

DO NOT spray cereals if lucerne is present.

DO NOT spray crops or weed outside the stages indicated in "Critical Comments" as damage, loss of yield or inadequate weed control may result. DO NOT apply under weather conditions, or from spraying equipment, that may cause spray to drift onto nearby susceptible plants, crops, cropped lands or pastures.

Avoid spray drift onto susceptible crops such as cotton, tobacco, tomatoes, vines. Jupins, fruit trees and ornamentals.

#### PROTECTION OF HONEYBEES AND OTHER INSECT POLLINATORS

Low hazard to bees. May be applied at any time as recommended in the Directions for Use.

#### PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

Very toxic to aquatic life. DO NOT contaminate streams, rivers or watercourses with the chemical or used container.

#### STORAGE AND DISPOSAL

Store in the closed, original container in a cool, well-ventilated area. DO NOT store for prolonged periods in direct sunlight.

#### Non-Refillable containers

Triple-rinse containers before disposal. Add rinsings to spray tank. DO NOT dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush, or puncture and deliver empty packaging to an approved waste management facility. If an approved waste management facility is not available, bury the empty packaging 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.

#### drumMUSTER containers

This container can be recycled if it is clean, dry, free of visible residues and has the *drumMUSTER* logo visible. Triple-rinse container for disposal. Dispose of rinsate by adding it to the spray tank. Do not dispose of undiluted chemical on site. Wash outside of the container and the cap. Store cleaned container in a sheltered place with cap removed. It will then be acceptable for recycling at any *drumMUSTER* collection or similar container management program site. The cap should not be replaced, but may be taken separately. If not recycling, break, crush, or puncture and deliver empty packaging to an approved waste management facility. If an approved waste management facility is not available, bury the empty packaging 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

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

#### SAFETY DIRECTIONS

Poisonous if absorbed by skin contact, inhaled or swallowed. Corrosive to the eyes and skin. Will irritate the nose and throat. Avoid contact with the eyes and skin. DO NOT inhale vapour or spray mist. When opening the container and preparing spray or using undiluted concentrate, wear chemical resistant waterproof clothing over a layer of normal clothing and a washable hat, elbow-length chemical resistant gloves, impervious footwear and full facepiece respirator with organic vapour/gas cartridge or canister. If applying by boomspray equipment with enclosed operator's cab and air filtration or aerial spraying equipment, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and elbow-length chemical resistant gloves. If applying by boomspray equipment with open operator's cab or hand-held spray equipment wear chemical resistant waterproof clothing over a layer of normal clothing and a washable hat, elbow-length chemical resistant gloves and full facepiece respirator with organic vapour/gas cartridge or canister. If clothing becomes contaminated with product remove clothing immediately. If product on skin, immediately wash area with soap and water. If product in eyes, wash it out immediately with 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, respirator and if rubber wash with detergent and warm water, face shield or goggles and contaminated clothing.

#### FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 13 11 26.

#### SDS

Additional information is listed in the safety data sheet (SDS). A safety data sheet for ADAMA 2,4-D AMINE 625 is available from adama.com or call Customer Service on 1800 423 262

**CONDITIONS OF SALE**: The use of ADAMA 2,4-D AMINE 625 Herbicide being beyond the control of the manufacturer, no warranty expressed or implied is given by Adama Australia regarding its suitability, fitness or efficiency for any purpose for which it is used by the buyer, whether in accordance with the directions or not and Adama Australia accepts no responsibility for any consequence whatsoever from the use of this product.

- ® Registered trademark of an ADAMA Group Company
- † Other trademark

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