

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

QA

2,4-D 625 SL

HERBICIDE

ACTIVE CONSTITUENT: 625 g/L 2,4-D
present as the **DIMETHYLAMINE** and **DIETHANOLAMINE SALT**

GROUP 4 HERBICIDE

For the control of broadleaf weeds in Fallow before Direct Drilling or Sowing of Cereals and Pastures; and in Cereal Crops, Pastures, Sugarcane, Peanuts, and Non-Agricultural Areas as per the Directions for Use.

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

APVMA Approval No.: 84835/149906

SL

Formulation Type
**Soluble Liquid
Concentrate**

**BE PROUDLY
AUSTRALIAN**

Quantum Agrosiences Holdings Pty Ltd | ABN 79 680 792 625
Suite 2, Level 7, 330 Collins Street, Melbourne, Victoria 3000
T: 1300 658 988 | www.quantumag.au

 **QUANTUM
AGROSCIENCES**

DIRECTIONS FOR USE**GENERAL RESTRAINTS**

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 exceed maximum application rate of 7.2 L/ha (4500 g ae/ha).

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.

Additional USAGE restrictions apply in some crops, states and seasons, see Restriction Tables 1, 2, 3, 4 and 5.

Table 1. Timing Restrictions for Spraying Peanuts			
Situation	Rate L/ha	Region	Timing Restriction
			DO NOT APPLY DURING THE MONTHS
Broadcast Spraying, Prior to sowing (Peanuts)	Up to 1.4 L/ha	Cape York	October and November
		Northern Gulf	October and November
		Northern Territory	October and November
		Wet Tropics	No timing restrictions
		Burdekin	October
		Mackay / Whitsunday	September to December
		Mary / Burnett	October to November
	SE Queensland	August to May	
	Up to 1.7 L/ha	Cape York	October and November
		Northern Gulf	October and November
		Northern Territory	October and November
		Wet Tropics	No timing restrictions
		Burdekin	October
		Mackay / Whitsunday	August to December
Mary / Burnett		September to November	
SE Queensland	Use not supported		

Band Spraying, Post-sowing Pre-emergence (Peanuts)	Up to 1.8 L/ha	Queensland dryland	No timing restrictions
		Cape York	No timing restrictions
		Northern Gulf	October and November
		Northern Territory	October and November
		Wet Tropics	No timing restrictions
		Burdekin	No timing restrictions
		Mackay / Whitsunday	No timing restrictions
		Mary / Burnett	No timing restrictions
		SE Queensland	October to January
Broadcast Spray, Post-sowing Pre-emergence (Peanuts)	Up to 3.6 L/ha	Queensland dryland	June to August
		Cape York	October and November
		Northern Gulf	October and November
		Northern Territory	October and November
		Wet Tropics	October to December
		Burdekin	September and October
		Mackay / Whitsunday	August to December
		Mary / Burnett	April to January
		SE Queensland	Use not supported

Table 2. Application and Timing Restrictions for Applications to Pastures					
Situation	State	Rate L/ha			
DO NOT apply above maximum rate (L/ha) below OR label rate, whichever is LOWEST					
Pastures (Prior to sowing, conservation tillage)	State	Summer	Autumn	Winter	Spring
	Queensland & NT	5.1	5.1	5.1	5.1
	New South Wales & ACT	5.1	5.1	5.1	5.1
	Victoria	0.6	1.7	5.1	1.7
	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	

Pastures (Established)	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
	Victoria	1.0	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	Rate L/ha	Region	Timing Restriction
DO NOT APPLY DURING THE MONTHS			
Sugarcane	Up to 1.7 L/ha	Wet Tropics	No timing restrictions
		Burdekin	No timing restrictions
		Mackay / Whitsunday	October and November
		Mary / Burnett	October and November
		Northern NSW	No timing restrictions
	Up to 3.6 L/ha	Wet Tropics	October to December
		Burdekin	September and October
		Mackay / Whitsunday	August to December
		Mary / Burnett	April to January
		Northern NSW	October and November

Table 4. Application Restrictions for TURF		
Situation	State	Rate L/ha
DO NOT apply above maximum rate (L/ha) below OR label rate, whichever is LOWEST		
Turf	Queensland & NT	3.2
	New South Wales & ACT	3.2
	Victoria	2.5
	Tasmania	2.5
	South Australia	2.5
	Western Australia	4.0

If applying to golf courses in Tasmania, DO NOT apply to fairways adjacent to natural water bodies.

Situation	Risk Mitigation Measures
Dryland cropping, Preparatory spray	Only apply in no-till farming systems (Tasmania, South Australia)
Winter cereals, pre-emergent uses	Only apply in no-till farming systems (Tasmania, South Australia, Western Australia)
Summer cereals, pre-emergent uses	Only apply in no-till farming systems (Tasmania, South Australia)

SPRAY DRIFT RESTRAINTS

DO NOT apply by a vertical sprayer.

Specific definitions for terms used in this section of the label can be found at 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 table/s 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 1 to 2 hours before sunset and persist until 1 to 2 hours after sunrise.

Boom Sprayer Application

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.

Application Rate	Boom Height Above the Canopy	Mandatory Downwind Buffer Zones				
		Bystander Areas	Natural Aquatic Areas	Pollinator Areas	Vegetation Areas	Livestock Areas
Up to 0.5 L (336 g ae/ha)	0.5 m or lower	0 metres	0 metres	0 metres	0 metres	0 metres
	1.0 m or lower		30 metres		25 metres	
Up to 1.8 L (1125 g ae/ha)	0.5 m or lower		30 metres		25 metres	
	1.0 m or lower		60 metres		60 metres	
Up to 3 L (1875 g ae/ha)	0.5 m or lower		35 metres		35 metres	
	1.0 m or lower		90 metres		90 metres	
Up to 4.4 L (2750 g ae/ha)	0.5 m or lower		45 metres		45 metres	
	1.0 m or lower		130 metres		130 metres	
Up to 5.3 L (3300 g ae/ha)	0.5 m or lower		55 metres		50 metres	
	1.0 m or lower		160 metres		160 metres	

Aircraft Application

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 m or 25% of wingspan or 25% 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.

Application Rate (/ha)	Aircraft Type	Mandatory Downwind Buffer Zones				
		Bystander Areas	Natural Aquatic Areas	Pollinator Areas	Vegetation Areas	Livestock Areas
Up to 0.9 L (560 g ae/ha)	Fixed Wing	0 metres	120 metres	0 metres	120 metres	0 metres
	Helicopter		85 metres		80 metres	
Up to 1.5 L (950 g ae/ha)	Fixed Wing		170 metres		160 metres	
	Helicopter		120 metres		120 metres	
Up to 1.8 L (1120 g ae/ha)	Fixed Wing		190 metres		180 metres	
	Helicopter		130 metres		130 metres	
Up to 3.6 L (2250 g ae/ha)	Fixed Wing		325 metres		300 metres	
	Helicopter		200 metres		200 metres	

1. FIELD CROPS		
SITUATION	WEEDS CONTROLLED	STATE
Wheat	Refer Weed Table	NSW, ACT, SA only
		Vic only
		Qld only
		Tas only
Barley		NSW, ACT, SA only
		Vic only
		Qld only
		Tas only
Cereal Rye, Triticale		NSW, ACT, SA only
		Vic only
Oats	NSW, ACT SA only	
	Vic only	
Cereals: Wheat, Oats, Barley	Cape Tulip	WA only
	Dock, Flatweed, Saffron Thistle	
	Indian Hedge, Mustard, London Rocket, Lupin, Matricans, Rapistrum, Wild Radish	
	Wild Turnip	
	Capeweed, Doublegee, Erodium, London Rocket, Lupin, Mustard, Rapistrum, Wild Radish, Wild Turnip	
Wheat, Barley	Wild Radish	Vic, SA, ACT, NSW only
Fallow, Stubble Spray prior to direct drilling or sowing. Winter Cereals, Grain legumes (peanuts Qld. only) and Canola	Refer Weed Table	All States
	Volunteer Canola (<i>Brassica napus</i>) including Roundup Ready® varieties	

RATE VOL/HA	CRITICAL COMMENTS
320 mL-1.7 L	Apply after 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, SA only). Apply from tillering to boot stage (Vic only) Apply from mid tillering to before boot stage (Qld only). Apply at 5 leaf to fully tillered (Tas only).
225 mL-1.4 L	
560 mL-1.4 L	
800 mL-1.4 L	
320 mL-1.4 L	
225 mL-1.4 L	
560 mL-1.4 L	
800 mL-1.4 L	
320 mL-1.4 L	
225 mL-1.4 L	
320 – 800 mL	Apply from the 5 leaf stage up to joining stage (Zadoks 15-33). Apply after the 6 leaf stage (Z.16) for Cranbrook, Jacup, Aroona and Spear Wheat and Mortlock Oats to avoid possible damage. DO NOT spray if lucerne is present. WEED STAGE: 10-15 cm. Docks should be sprayed before 5 leaf stage. Cape Tulip - low rate for cormils only. Apply when crop has 4-5 leaves and most weeds have germinated and are in 2-5 leaf stage. Crop and weeds should be dry at time of application. Some temporary yellowing of crop may occur after application. Undersown sub-clovers may be slightly retarded. DO NOT apply to undersown medic. Spray 2-6 weeks after sowing and not later. DO NOT use on crops undersown with lucerne.
225 – 800 mL	
640 mL-1.3 L	
11 L	
800 mL	
640 mL	
200 mL/ha plus 500 mL/ha diuron (500 g/L)	
80 mL/ha plus 850 g/ha methabenz-thiazuron (700 g/kg)	
225 mL - 1.7 L	
1L	
1.4 L	Apply at this rate up to 4 leaf canola.
	Apply at this rate up to 6 leaf canola.

SITUATION	WEEDS CONTROLLED	STATE
Fallow	Control of Lucerne	All States
Bananas Cavendish	Banana suckers	All States
Millet	Refer Weed Table	NSW, SA, ACT, Vic only Qld only
Saccaline, Broom Millet, Millet	Cape Tulip, Dock, Saffron, Thistle, Indian Hedge, Mustard, London Rocket Rapistrum, Lupin, Wild Radish, Wild Turnip	WA only
Sugar Cane (Q80, Q96 & H56 varieties)	Bellvine	Qld, NSW only
	Morning Glory	
	Pink Convolvulus, Star of Bethlehem	
Sugar Cane	Bindy Eye (Star Burr), Blue Top, Cobblers Pegs, Flea- banes, Jute, Laucas Needle Burr, Spear Thistle, Water Primrose, Ipomea Vines, Convolvulus Vines	Qld, NSW only
	Chinese Mint, Blue Snakeweed	
Peanuts	Broadleaf Weeds, except Noogoora Burr, Grasses except Mossman Burr	Qld only
Harvest Aid or Salvage Spray - Winter Cereals	Desiccate Broadleaf Weeds	All States
Bananas	To destroy Banana suckers	Qld only
Common Stylo forage or seed crops Caribbean Stylo forage or seed crops	Refer to Weeds Table	Qld only

RATE VOL/HA	CRITICAL COMMENTS
2.4 L	Spray in spring when lucerne is actively growing using a minimum spray volume of 50 L/ha. Heavily graze lucerne during winter and early spring to reduce crown and root reserves. Allow lucerne to regrow to 15-30 cm tall before spraying. Successful lucerne stand reduction is more likely if >70 mm pof rain falls in the 6-8 weeks prior to application. Add either 0.5% Uptake spray oil or a non-ionic surfactant. Maximum air temperature should not exceed 30°C.
160 mL/10 L water	Apply by stem injection only. Inject Solution at a rate of: 15 mL per fully grown plant, 5 mL per small sucker.
560 mL-1.1 L	Spray when secondary roots have been developed, when fully tillered and before heads start to form at the base of the tillers. DO NOT use on Panorama Millet or Panicum.
560-990 mL	
1.1 L	Spray when crop is 10-30 cm high and secondary roots have developed and before tasselling. Apply as direct spray to weeds.
280 mL/100 L water	Apply in spring, using directed spray.
560 mL to 1.1 L	Apply in summer, using high clearance tractor.
1.1 L	Apply in autumn by aircraft or misters.
1.8-3.5 L	Add 60-120 mL Spray Sure Difuser/100 L of spray mixture. Agitate well. DO NOT use on Q63, Q67, Q80 or Q96 Varieties.
3.5 L	LOWER RATE: Apply as BAND SPRAY as soon as possible after planting in a 55 cm band. HIGHER RATE: Apply as OVERALL SPRAY after planting and before crop emergence. Some crop damage may occur if heavy rain falls between application and crop emergence.
1.8-3.6 L	
1.2-1.7 L	Apply after dough stage.
160 mL/10 L water	Inject at the rate of 15mL per fully groom plant, 10mL per medium sized plant and 5mL for small suckers.
320 mL/100 L water	Allow suckers from corms of treated plants to form broad adult leaves, then spray. Isolated spots may require a second spray.
800 mL	Apply post-emergence when weeds are 3 weeks old and crop is at least 3 weeks old.
800 mL-1.6 L	Apply post-emergence when crop is 3 weeks old.

2. PASTURE, NON-AGRICULTURAL, RIGHTS OF WAY, INDUSTRIAL, LAWNS, PLANTATIONS		
SITUATION	WEEDS CONTROLLED	STATE
Pastures and non-agricultural	Refer to Weed Table	NSW, Qld, SA, ACT, Tas only
	Galvanised Burr	NSW, ACT only
	Amsinckia, Docks, Bindweed, Caltrop, Flatweed, Spear Thistle, Capeweed, Saffron Thistle, Mustard, Wild Radish, Wild Turnip, Annual Thistles, Paterson's Curse, Heliotrope, Ragwort, Three-cornered Jack, (Doublegee, Spiny Emex)	WA only
	Afghan Melons	
	Paddy Melons	
	Prickly Saltwort (Roly Poly)	
	Stinkwort	
	Dove Weed	
Pastures, Rights of Way & Industrial	Boxthorn, Boneseed, Hawthorn	Vic, SA only
	Groundsel	NSW, Qld, ACT, SA only
		Tas only
		Qld, NSW, ACT, SA, Tas only
	Lantana	NSW, Qld, ACT, SA only
	Mother of Millions	NSW only
	Noogoora Burr, Weir Vine (Ipomoea), Scarlet Pimpernel (seedlings only), White Eye (Mexican Clover)	Qld only
	Annual & Perennial Pigweed, Artichoke Thistle, Bathurst Burr, Billygoat Weed, Blue Snake Weed, Burr Medic, Clockweed*, Fleabanes, Galvanised Burr, Hemlock, Hoary Cress*, Kyalinga Weed (Whisker Grass), Knobweed, Milky Cotton Bushes, Parthenium Weed, Paterson's Curse, Saffron, Thistle, Star Burr, Thornapple, Variegated Thistle*	

RATE VOL/HA	CRITICAL COMMENTS
560 mL-1.7 L	Pasture legumes including lucerne, clovers and medics may be damaged unless well protected by grasses. Spot spraying is preferred.
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.
1.1-2.4L	For pastures not containing legumes. Only seedling Docks, Spear Thistle and Saffron Thistle will be controlled. SUMMER WEEDS: Use low rate for seedlings, 1.6 - 2.4 L/ha for larger plants. Stock poisoning may occur when grazed after spraying if large amounts present, particularly Heliotrope. WINTER WEEDS: Use low rate for seedlings, 1.6 - 2.4 L/ha for larger plants. If stock present, use spray/grazing rates.
1.6 L plus 1% crop oil	Spray when plants are actively growing preferably before flowering or vining.
800 mL-1.1 L	
1.6 L	Spray when plants are small.
1.6-3.2 L plus surfactant	Best results are obtained when plants are small. Use high rate on larger plants.
3.2 L	Spray after good emergence of seedlings.
Undiluted	Cut stump: Apply or paint undiluted QA 2,4-D 625 SL to freshly cut stumps.
320 mL/100 L water	HIGH VOLUME: Thoroughly wet plants
240 mL/15 L water	CUT STUMP: Swab the cut stump immediately. Apply by a pouring can.
2.9 - 3.6 L	AERIAL APPLICATION: Spray when Groundsel is actively growing.
320 mL/100 L water	Use a very 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.
400 mL/100 L water	Handgun only. A thorough coverage of leaves and plantlets is necessary. Use 1000 g/L non-ionic wetting agent at the rate of 1.0 mL of surfactant per 1 L of mixture.
160 mL/100 L water	In all cases apply to young, actively growing weeds, ensuring thorough coverage.
320 mL/100 L water	In all cases apply to young, actively growing weeds, ensuring thorough coverage. * Spray rosette stage. * Repeat spraying necessary.

SITUATION	WEEDS CONTROLLED	STATE
Pastures, Rights of Way & Industrial – <i>continued</i>	Rubber Vine	Qld only
	Sesbania Pea	
	Water Hyacinth	
	Wild Tobacco Tree	
Agricultural Non-Crop Areas, Commercial and Industrial Areas, Pastures and Rights-of-Way	Pimelea spp.	All States
Conservation Tillage - Direct Drilling, Surface Sowing or Fallow Maintenance	Charlock, Mustards, Shepherd's Purse, Saffron, Slender, Spear and Variegated Thistles*, Turnip Weed, Wild Radish, Wild Turnip	All States
	Clover, Sorrel	
Pastures - Spray/Graze Techniques		
	Amsinckia, Thistles, Capeweed, Doublegee, Mustard, Paterson's Curse, Wild Turnip, Wild Radish Docks, Geranium, Erodium	SA only
	Annual Thistles, Capeweed Doublegee, Mustards, Paterson's Curse, Wild Turnip, Saffron Thistle, Spear Thistle, Geranium, Slender Thistle	Tas, Vic only
	Amsinckia, Docks (seeding only), Capeweed, Doublegee, Mustard, Wild Radish, Wild Turnip, Paterson's Curse, Annual Thistles.	WA only
	Spear Thistle, Saffron Thistle	
	Melons	
	Docks	Vic only

RATE VOL/HA	CRITICAL COMMENTS
160 mL/10 L water	Apply to freshly cut stump.
560-900 mL	
3.5-5.3 L	Apply in 2,200 to 3,300 L water/ha
240 mL/15 L water	Cut Stump Treatment: Swab cut stump within 1 hour of cutting. Apply by pouring can.
800 mL + wetter	Boom Spray @ 1500 L/ha spray volume. To be applied when plant is green. DO NOT apply more than 2 applications per year with a minimum re-treatment interval of 21 days between consecutive applications. This product can be used to create and maintain hospital areas for livestock suffering from Pimelea poisoning. Pimelea may become more palatable after herbicide application; stock should be excluded from herbicide-treated areas until sprayed Pimelea plants are leafless, seedless and obviously dead.
55 mL per 100 L water + wetter	Spot Spray. Thoroughly wet all foliage to the point of run-off (~ 1500 L/ha spray volume).
560 mL-1.6 L	Apply to actively growing young plants. Before sowing: Observe plant-back periods given in the table on this leaflet. * Warning: Treated plants may become toxic to stock.
1.1 L/ha plus 280-400 mL/ha of dicamba (500 g/L)	Apply to actively growing plants in autumn. DO NOT sow pasture seed for at least 30 days after application.
PRECAUTION: An increased quantity of poisonous plants may be eaten by stock using Spray-Graze, e.g. Caltrop, Capeweed, Paterson's Curse and Variegated Thistle and deaths could result from causes such as nitrate poisoning. With Paterson's Curse, 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.	
560 mL	Apply from 6 weeks after opening rains in Autumn until the end of August. Seven days after spraying, stock paddock at 4 - 5 times normal rate, preferably with sheep. Maintain this level of grazing for 6 weeks or until pasture shows signs of over grazing, then return to normal stocking levels. Use high stocking rates in following Spring to prevent weeds from flowering. Repeat treatments may be required for 2-3 years for complete control.
600-800 mL	
1.2 L	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.
1.6 L + 1% oil	Heavy stocking on young plants sprayed with 800mL/ha provides effective control.
1.1 L	Apply in September only and follow other recommendations above.

SITUATION	WEEDS CONTROLLED	STATE
Pastures - Spray/Graze Techniques – <i>continued</i>	Caltrop, Capeweed, Charlock, Mustards, Paterson's Curse, Shepherd's Purse, Saffron, Slender, Spear or Variegated Thistles*, Turnip Weed, Wild Radish, Wild Turnip	NSW, ACT only
Oil Tea Tree	Weeds on label	All States
	Purple Top (<i>Verbena bonariensis</i>)	
Hardwood & Softwood Plantations	Broadleaf and woody weeds as per product labels including Groundsel and Pinus spp. wildings	All States
Lawns, Playing fields	Refer Weed Table	Qld, NSW only
		WA only
3. SPOT SPRAYING		
SITUATION	WEEDS CONTROLLED	STATE
High volume spraying	Refer to Weed Table	All States

RATE VOL/HA	CRITICAL COMMENTS
280 mL-1.1 L	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 shock.
Apply at a maximum of 960 mL/ha as per label direction	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: <ul style="list-style-type: none"> • 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 • Surface of cut stumps are dry before spraying commences.
Apply at 960 mL/ha plus 720 g ai glyphosate/ha in a 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.
Maximum rate 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 wind only) or ground based equipment. DO NOT spray over or into watercourses. Products may be mixed with glyphosate for pre-plant spray operations.
1.5-3.0 mL/1 L 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.
40 mL/10-15 L water per 100 m ²	DO NOT use on Buffalo grass (WA only).
MIXING RATES – COMMENTS	
Add 1/10th of rate on Weed Table to 150 litres of water. Each 150 litres of mix will cover 1000m ² (1/10th ha) e.g. if rate in Weed Table is 1.4 L, use 140 mL/150 L water.	

MAXIMUM TOLERANCE FOR USE IN WHEAT, BARLEY, OATS AND TRITICALE INCLUDING TOLERANCE 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	225 mL/ha	1.4 L/ha	1.4 L/ha	1.4 L/ha	1.4 L/ha
Oats		800 mL/ha	225 mL/ha	800 mL/ha	900 mL/ha	1.3 L/ha	
Triticale		1.4 L/ha	225 mL/ha		1.4 L/ha	1.7 L/ha	800 mL/ha
Undersown Clovers			225 mL/ha			680 mL/ha	560 mL/ha
Undersown Medics			225 mL/ha			Nil	560 mL/ha
Undersown Lucerne			225 mL/ha			Nil	

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

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

WITHHOLDING PERIODS

Pasture, Cereal Crops: DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 7 DAYS AFTER APPLICATION.

HARVEST WITHHOLDING PERIOD: NOT REQUIRED WHEN USED AS DIRECTED.

Fallow: DO NOT GRAZE, CUT OR CULTIVATE FOR AT LEAST 21 DAYS AFTER SPRAYING.

WEED TABLE – Note: Where weeds are to be sprayed in a CROP or PASTURE, use only the rate given for the particular crop or situation indicated under the Directions for Use table. In most cases this will give control, however some hard to kill weeds or those in advanced stages of growth may only be suppressed. The rates listed in the weed table below are for use where weeds 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.								
APPLICATION RATE PER HECTARE								
Weeds	Crop						Pastures	Critical Comments
	VIC	NSW ACT	SA	QLD	TAS	WA	NSW, SA, QLD, TAS ONLY	
<i>Amaranthus</i> spp.	-	560mL–1.1L	-	900mL	-	-	-	Spray young plants
Amsinckia	-	-	-	-	-	1.1L	-	
Apple of Peru	-	560mL–1.1L	-	900mL	-	-	-	Spray young plants. Susceptible when young
Bathurst Burr	-	800mL-1.1L	1.7-2.2L	900mL	-	-	800mL-1.1L not SA	Spray seedlings only
Bellvine	-	1.8L	-	1.8L	-	-	-	Spray before seeding. Advanced stages susceptible
Billy Goat Weed	-	3.4L	-	3.4L	-	-	-	Spray at young stages
Bindweed	-	-	-	-	-	1.1L	-	
Blackberry Nightshade	-	560mL-1.1L	-	900mL	-	-	-	
Blackeyed Susan	-	1.8L	-	1.8L	-	-	-	Apply at flowering, preferably young stages
Blue Snakeweed	-	1.8L	-	1.8L	-	-	-	Spray seedlings at young stages only
California Burr	-	800mL–1.1L	-	900mL	-	-	800mL–1.1L not SA	Spray seedlings only
Cape Tulip	-	-	-	-	-	640mL–1.3L	-	Low rate for cormils only

Weeds	Crop						Pastures	Critical Comments
	VIC	NSW ACT	SA	QLD	TAS	WA		
Capeweed	1.4L	-	1.7L	-	1.4L	1.1L	1.7-2.8L	Spray seedlings to rosette stage
Caltrop	-	800mL-1.7 L	-	900mL	-	1.1L	-	Moderately susceptible
Castor Oil plant	-	3.4L	-	3.4L	-	-	-	Spray at young stage
Charlock	560-800mL	560mL-1.1L	560mL	-	1.4L	-	800mL-1.1L	Spray at rosette stage
Clover	-	1.2L	-	-	-	-	-	
Cobbler's Pegs	-	1.8L	-	1.8L	-	-	-	Apply at pre-flowering, preferably young stages
Common Ice Plant	-	-	1.1L	-	-	-	-	
Common Sida	-	1.8L	-	1.8L	-	-	-	Spray seedling or young stages only
Common Sowthistle	-	1.8L	-	1.8L	1.4L	-	-	Apply at pre-flowering, preferably young stages
Docks	1.4L	-	1.4L	1.4L	1.4L	1.1L	3.2L SA only	Spray at multiple leaf stage - effective only on seedlings
Doveweed	-	-	-	-	-	1.1L	-	
Fat Hen	-	560mL-1.7L	-	900mL	1.4L	-	-	Spray pre-flowering
Flannel Weed	-	1.8L	-	1.8L	-	-	-	Spray seedling or young stages only
Flat Weed	-	-	-	-	-	1.1L	-	
Fumitory - red	-	-	1.7L	-	-	-	-	

Weeds	Crop						Pastures	Critical Comments
	VIC	NSW ACT	SA	QLD	TAS	WA		
Fumitory - white	800mL	-	560mL	-	-	-	-	Spray at multiple leaf stage
Heliotrope	-	-	-	-	-	1.1L	-	
Hexham Scent or Melilotus	1.4L	-	1.1L	1.4L	-	-	1.1-1.7L	Spray at multiple leaf stage before seeding
Hoary Cress	900mL - 1.4L	1.1-1.7L	1.4L	1.4L	-	-	1.4-1.7L	Spray rosette and pre-flowering
Hogweed/ Wireweed	1.4L	-	-	1.4L	-	-	-	Spray at multiple leaf stage (Vic). Spray at seedling and young plant stage (Qld).
Horehound	-	-	1.4L	-	-	-	2.2-3.2L SA only	Spray seedlings
Indian Hedge Mustard	-	-	-	-	1.4L	1.1L	-	
Khaki Weed	-	-	-	-	-	-	1.1-2.2L SA only	Spray seedlings only
Knobweed	-	-	-	1.8-3.4L	-	-	-	Lower rate for seedlings, higher rate for later stages
Lincoln Weed	-	-	1.7L	-	-	-	-	Spray early rosettes
London Rocket	-	-	-	-	-	1.1L	-	
Lupins	-	800mL-1.7L	-	-	-	1.1L	-	
Melons - Camel, Paddy	-	560mL-1.1L	-	-	-	-	-	
Mexican Poppy	-	-	-	1.4L	-	-	-	Spray seedlings - plants become more resistant with age

Weeds	Crop						Pastures	Critical Comments
	VIC	NSW ACT	SA	QLD	TAS	WA	NSW, SA, QLD, TAS ONLY	
Mintweed	-	1.1L	-	900mL	-	-	-	Spray seedlings - resistant in later stages
Morning Glory	-	1.8L	-	1.8L	-	-	-	Spray at seedling to flowering stage
Mustards	225-560mL	560mL-1.1L	560mL-1.4L	900mL	-	800mL	560mL-1.1L	Spray at 2-4 leaf up to rosette stage
Needle Burr	-	1.8L	-	1.8L	-	-	-	Apply at pre-flowering, preferably young stages
New Zealand Spinach	-	1.1-1.7L	-	-	-	-	-	
Noogoora Burr	-	800mL-1.1L	-	900mL	-	-	800mL-1.1L not SA	Spray seedlings only
Paterson's Curse	-	1.1-1.7L	-	1.4L	-	1.3L	1.7-2.2L	Spray rosettes or before plants have 10 leaves. Later stages harder to kill.
Pinkburr (Pink Flowered Burr)	-	1.8L	-	1.8L	-	-	-	Spray seedling or young stages only
Potato Weed	-	560mL-1.1L	-	900mL	-	-	-	
Purpletop	-	3.4L	-	3.4L	-	-	-	Spray at young stage
Radish	-	-	-	-	-	1.1L	-	
Ragwort	-	-	-	-	3.8L	1.1L	-	Spray up to early rosette stage (Tas only)
Rapeseed	-	800mL-1.7L	-	-	-	-	-	

Weeds	Crop						Pastures	Critical Comments
	VIC	NSW ACT	SA	QLD	TAS	WA	NSW, SA, QLD, TAS ONLY	
Rapistrum	-	-	-	-	-	-	1.1L	-
Rough Poppy	-	1.1L	-	-	-	-	-	
Safflower	-	560mL-1.1L	-	-	-	-	-	
Shepherds Purse	-	1.1-1.7L	-	-	1.4L	-	800mL-1.1L	Spray young rosettes
Siratro (Purple Bean)	-	1.8L	-	1.8L	-	-	-	Spray seedling or young stages only
Skeleton Weed	1.4L	1.1-1.7L	1.4L	-	-	-	-	Spray rosettes before aerial growth commences
Sorrel	1.4L	1.7L	1.4L	-	-	-	-	Only moderately susceptible
Speedwell - Ivy leaf	-	-	1.1L	-	-	-	-	
Spinyhead Sida -	-	1.8L	-	1.8L	-	-	-	Spray seedlings or young stages only
Starburr	-	1.8L	-	1.8L	-	-	-	Spray before seeding, advanced stages susceptible.
Spiny Emex	-	-	-	1.4L	-	-	-	Only young plants are susceptible
Star of Bethlehem (Cupids Flower)	-	-	-	1.8L	-	-	-	Spray before seeding, advanced stages susceptible
Stinkwort	-	800mL-1.4L	-	-	-	-	-	
Storksbill/ Erodium	-	-	-	-	1.4L	-	1.6-3.2L	Spray seedlings to young rosettes

Weeds	Crop						Pastures	Critical Comments
	VIC	NSW ACT	SA	QLD	TAS	WA		
Sunflower (seedlings)	1.4L	560mL-1.4L	-	900mL	-	-	-	
Thistles - Annual	-	-	-	-	-	1.1L	-	
- Californian	-	-	-	-	2.7L	-	3.2-3.8L	Repeated applications may be necessary (NSW, Tas only)
- Saffron	1.1L	560mL-1.7L	1.4L	1.4L	950mL	1.1L	1.1-1.7L	Low rate only sufficient to control weeds in crops at rosette stage when sprayed early.
- Slender/Shore	-	800mL-1.7L	-	-	1.4L	-	1.1L	Suppression only
- Soldier	1.4L	-	-	-	-	-	1.1-1.6L not NSW, TAs	Spray young rosettes
- Spear	560mL	-	-	-	1.4L	-	1.1-1.6L	Spray young rosettes
- Star	-	-	-	-	-	-	1.6-3.2L SA only	Use higher rate as flower stalk appears
- Variegated	-	560mL-1.7L	-	900mL	1.4L	-	1.1-1.7L	Spray at rosette stage
Thornapple	-	800mL-1.1L	-	-	-	-	1.6-2.4L not SA	Spray seedlings only
Trida (Tridax Daisy)	-	1.8L	-	1.8L	-	-	-	Spray seedling or young stages only.
Turnip Weed/Rapistrum	-	560mL-1.1L	-	560mL	-	800mL	560mL-1.1L	
Vetches/Tares	1.4L	-	1.1L	-	-	-	-	Spray at multiple leaf stage
Wards Weed	-	-	1.1L	-	-	-	-	

Weeds	Crop						Pastures	Critical Comments
	VIC	NSW ACT	SA	QLD	TAS	WA		
Wild Cabbage	1.4L	-	-	-	-	-	-	Spray multiple leaves
Wild Poppy	560mL	-	-	-	-	-	1.1-1.7L	Spray rosettes
Wild Radish	1.4L	1.4-1.7L	1.4L	900mL	1.4L	800mL	800mL-1.1L	Spray up to young rosette stage
Wild Turnip	225-560mL	560mL-1.1L	320mL	-	1.4L	640mL	560mL-1.1L	Spray 2-4 leaf up to rosette stage

Plant Back Days for QA 2,4-D 625 SL Herbicide			
Crop	Rate of QA 2,4-D 625 SL Herbicide		
	Up to 0.4 L/ha	Up to 1.15 L/ha	Up to 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
Navy Bean	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 15 mm (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 15 mm.
- @ In Central Queensland and when using 800 mL/ha or less of QA 2,4-D 625 SL Herbicide, 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.

GENERAL INSTRUCTIONS

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

APPLICATION INFORMATION

BOOM SPRAYING – Use 30–120L/ha of water.

AERIAL SPRAYING – Use 10–90L/ha of water.

Equipment Maintenance And Usage

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

This product can be tank mixed with the herbicides: dicamba, diuron, chlorsulfuron, paraquat, 22DPA, atrazine, paraquat/diquat and picloram, and the fungicide propiconazole.

RESISTANCE WEEDS WARNING

QA 2,4-D 625 SL Herbicide is a member of the phenoxy-carboxylates (phenoxy) group of herbicides. The product has the disruptors of plant cell growth (auxin mimics) mode of action. For weed resistance management, the product is a Group 4 herbicide. Some naturally occurring weed biotypes resistant to the product 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 this product or other Group 4 herbicides. Since the occurrence of resistant weeds is difficult to detect prior to use, Quantum Agrosiences Holdings Pty Ltd accepts no liability for any losses that may result from the failure of this product to control resistant weeds.

GROUP 4 HERBICIDE

PRECAUTIONS

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 use.

PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

DO NOT spray in high winds. DO NOT spray cereals if lucerne is present. DO NOT spray crops or weeds outside the stages indicated in 'Critical Comments' as damage, loss of yield or inadequate weed control may result.

Drift Warning: DO NOT apply under weather conditions or from spraying equipment, that may cause spray drift onto nearby susceptible plants / crops, cropping lands or pastures such as cotton, tobacco, vines, fruit trees, vegetables, ornamentals, oil seed and legume crops and pasture and other susceptible plants and trees (e.g. Kurrajongs & Belahs).

PROTECTION OF LIVESTOCK

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 wetlands or watercourses with this product or used container.

STORAGE AND DISPOSAL

Store in the closed, original container in cool, well-ventilated area. DO NOT store for prolonged periods in direct sunlight. 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 for appropriate disposal to an approved waste management facility. If an approved waste management facility is not available, bury the empty packaging 500 mm below the surface in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots, in compliance with relevant Local, State or Territory government regulations. DO NOT burn empty containers or product.

For refillable containers (1000L only): Store in the closed, original container in a dry, cool, well-ventilated area. DO NOT store for prolonged periods in direct sunlight. DO NOT contaminate seed, feed or foodstuff. Empty contents fully into application equipment. Close all valves and return to point of supply for refill or storage.

110L Mini Bulk Returnable Container: Store the original sealed 110L container in a cool, well-ventilated area. DO NOT store for prolonged periods in direct sunlight. DO NOT tamper with the MicroMatic valve or the security seal. DO NOT contaminate the container with water or any other foreign matter. After each use of the product ensure the MicroMatic coupler, delivery system and hoses are disconnected, triple rinsed with clean water and drained accordingly. When the contents of the 110L container have been used, please return the empty container to the point of purchase. The 110L container remains the property of Quantum Agrosciences Holdings Pty Ltd.

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 1126.

SAFETY DATA SHEET

Additional information is listed in the Safety Data Sheet (SDS) which is available from the supplier.

CONDITIONS OF SALE: Quantum Agrosciences Holdings Pty Ltd shall not be liable for any loss injury damage or death whether consequential or otherwise whatsoever or howsoever arising whether through negligence or otherwise in connection with the sale supply use or application of this product. The supply of this product is on the express condition that the purchaser does not rely on Quantum Agrosciences Holdings Pty Ltd's skill or judgement in purchasing or using the same and every person dealing with this product does so at his own risk absolutely. No representative of Quantum Agrosciences Holdings Pty Ltd has any authority to add to or alter these conditions.

Additional information required under the Globally Harmonised System (GHS) classification of the substance/mixture:

Toxic to aquatic life with long lasting effects.

Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. If skin irritation or rash occurs: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention.



Quantum Agrosciences Holdings Pty Ltd

ABN 79 680 792 625

Suite 2, Level 7, 330 Collins Street, Melbourne, Victoria 3000

T: 1300 658 988 | www.quantumag.au

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