

Smart

2,4-D Amine 625

CAUTION

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

PEEL
HERE

HERBICIDE

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

Group **I** Herbicide

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

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



IMPORTANT:
READ THIS LEAFLET BEFORE USE

Crop Smart
better crop protection

1017

APVMA APPROVAL NO: 61327/1106

Contents : 20L, 110L & 1000L

Distributed by
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PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT:

DO NOT contaminate dams, ponds, drains, streams or waterways with this product or used container.

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, which could be expected to cause spray drift onto nearby susceptible plants, adjacent crops, crop lands or pastures. Crops particularly susceptible include cotton, tobacco, tomatoes, flowers, vegetables, vines, fruit trees, legume crops and pastures, oil seed crops or other susceptible crops and trees (eg Kurrajongs, Belahs, Eucalypts).

DO NOT use unless wind speed is more than 3 kilometres per hour and less than 15 kilometres per hour as measured at the application site. DO NOT apply with smaller than coarse to very coarse spray droplets according to the ASAE S572 definition for standard nozzle.

Storage and disposal refillable containers: (1000L only)

Store in closed, original container in a cool, well – ventilated area. DO NOT store for prolonged periods in direct sunlight. Triple or preferably pressure rinse containers before disposal. Add rinsing to spray tank. DO NOT dispose of undiluted chemical on – site. If recycling, replace cap and return clean containers to recycler or designated collection point.

If not recycling, break, crush or puncture and bury empty containers in a local authority landfill. If no land fill is available, bury the containers below 500mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and products should NOT be burnt.

If the container is a returnable/refillable type, when empty, or contents no longer required, return the container to the point of purchase. This type of container remains the property of Crop Smart Pty Ltd.

Refillable containers: (1000L only)

Store the closed, original container in a cool, well – ventilated area. DO NOT store for prolonged periods in direct sunlight. Empty contents fully into application equipment. Close all valves and return to point of supply for refill or storage.

ENVIRODRUM 110L MINI BULK RETURNABLE CONTAINER:

Store the original sealed ENVIRODRUM in a cool well ventilated area. DO NOT store for prolonged periods in direct sunlight. DO NOT tamper with Micro Matic valve or security seal. DO NOT contaminate the ENVIRODRUM with water or any foreign matter. After each use of the product, please ensure that the Micro Matic coupler, delivery system and hoses are disconnected, triple rinsed with clean water and drained accordingly.

When the contents of the ENVIRODRUM have been used, please return the empty ENVIRODRUM to the point of purchase. The ENVIRODRUM remains the property of Crop Smart Pty Ltd.

SAFETY DIRECTIONS:

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

FIRST AID:

If poisoning occurs, contact a doctor or Poisons Information Centre. (Phone Australia 131 126).

MATERIAL SAFETY DATA SHEET:

Additional information is listed in the Material Safety Data Sheet available from Crop Smart Pty.Ltd.

CONDITION OF SALE:

"Crop Smart Pty.Ltd ('Crop Smart') shall not be liable for any loss, injury, damage or death whether consequential or otherwise whatsoever of 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 Crop Smart's skill or judgment in purchasing or using the same and every person dealing with the product does at his own risk absolutely. No representative of Crop Smart has any authority to add to or alter these conditions".



<p>IN A TRANSPORT EMERGENCY DIAL 000 POLICE OR FIRE BRIGADE</p>
<p>CROP SMART PTY.LTD EMERGENCY CONTACT 1300 783 481 AUSTRALIA WIDE, 24 HOURS</p>

DIRECTIONS FOR USE

Restraints: DO NOT spray if rain seems likely within 6 hours or if strong wind prevail.

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

1. FIELD CROPS

Situation & Crop	Weeds	State	Rate	Critical Comments
Wheat	Refer Weed Table	NSW, SA, ACT only	320mL-1.7L/ha	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 and ACT 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)
		Vic only	225mL-1.4L/ha	
		Qld only	560mL-1.4L/ha	
		Tas only	800mL-1.4L/ha	
Barley		NSW, SA, ACT only	320mL-1.4L/ha	
		Vic only	225mL-1.4L/ha	
		Qld only	560mL-1.4L/ha	
		Tas only	800mL-1.4L/ha	
Cereal rye, Triticale		NSW, SA, ACT only	320mL-1.4L/ha	
		Vic only	225mL-1.4L/ha	
Oats		NSW, SA, ACT only	320mL-800mL/ha	
		Vic only	225mL-800mL/ha	
Cereals: Wheat, Oats, Barley	Cape Tulip	WA only	640mL-1.3L/ha	Apply from 5 leaf stage up to jointing stage (Zadoks 15-33). Apply after the 6 leaf stage (Z 16) for Cranbrook, jacup, arona and spear wheat and Mortlock oats to avoid possibly damage. DO NOT spray if Lucerne is present. WEED STAGE: 10-15cm. Docks should be sprayed Before 5 leaf stage. Cape Tulip- low rate for cormils only.
	Dock, Flatweed, Saffron Thistle		1.1L/ha	
	Indian Hedge Mustard, London Rocket, Lupin, Matricaria, Rapistrum, Wild Radish		800mL/ha	
	Wild Turnip		640mL/ha	
	Capeweed, Doublegee, Erodium, London Rocket, Lupin, Mustard, Rapistrum,		200mL/ha plus 500mL/ha Diuron (500g/L)	

	Wild Radish, Wild Turnip			yellowing of crop may occur after application. Undersown sub-clovers may be slightly retarded. DO NOT apply to undersown medics.
Wheat, Barley	Wild Radish	Vic, SA, ACT, NSW only	80mL/ha plus 850g/ha Tribunex ¹ Herbicide	Spray 2-6 weeks after sowing and not later. DO NOT use on crops undersown with Lucerne.
Fallow, Stubble Spray prior to Direct Drilling or Sowing Winter Cereals, Grain legumes (peanuts-Qld only) and Canola	Refer Weed Table	All States	225mL-1.7L/ha	Observe plant back periods given in the table on this booklet. Can be mixed with Lusta ¹ , Glean ¹ , Paraquat or Paraquat/Diquat mix where grasses are present. For skeleton weed, spraying should only be done 6-8 weeks before anticipated sowing date and subsequent cultivation limited to a minimum.
Millet	Refer Weed Table	NSW, SA, ACT, Vic only	560mL-1.1L/ha	Spray when secondary roots have developed, when fully tillered and before heads start to form Panorama or panicum.
		Qld only	560mL-900mL/ha	
Sacaline, Broom Millet, Millet	Cape Tulip, Dock, Saffron Thistle, Indian Hedge Mustard, London Rocket, Lupin, Rapistrum, Radish, Wild Turnip	WA only	1.1L/ha	Spray when crop is 10-30cm high and secondary roots have developed and before tasselling. Apply as direct spray to weeds.
Sugar Cane (Q80, Q96 & H56 varieties)	Bellvine	Qld, NSW only	280mL/100L water	Apply in spring using direct spray.
	Morning Glory		560mL to 1.1L/ha	Apply in summer using high clearance tractor.
	Pink Convolvulus			
	Star of Bethlehem		1.1L/ha	Apply in autumn by aircraft.
Sugar Cane	Bindy Eye (Star Burr), Blue Top, Cobblers Pegs, Fleabeans, Jute, Leucas, Needle Burr, Spear Thistle, Water Primrose, Ipomea Vines, Convolvulus Vines	Qld only	1.8L-3.5L/ha	Add 60 – 120mL Spraymate Activator ¹ to 100L of spray mixture. Agitate well. DO NOT use on Q63, Q67, Q80 or Q96 Varieties.
	Chinese Mint, Blue		3.5L/ha	

	Snakeweed			
Peanuts	Broadleaf Weeds except Noogoora Burr, Grasses except Mossman Burr	Qld only	1.8L-3.6L/ha	LOWER RATE: Apply as BAND SPRAY as soon as possible after planting in a 55cm band. HIGHER RATE: Apply as OVERALL SPRAY after planting and before crop emergence. Some crop damage may occur if heavy rain falls between application and crop emergence.
Harvest Aid or Salvage Spray -Winter Cereals	Dessicate Broadleaf weeds	All States	1.2-1.7L/ha	Apply after dough stage.
Bananas Common Stylo forage or seed crops Caribbean Stylo forage or seed crops	Refer to weeds Table	Qld only	160mL/10L water	Inject at the rate of 15mL per fully grown plant, 10mL per medium sized plant and 5mL for small suckers.
			320mL/100L water	Allow suckers from corms of treated plants to form broad adult leaves, then spray. Isolated spots may require a second spray.
			800mL/ha	Apply post-emergence when weeds are 3 weeks old and crop is at least 3 weeks old.
			800mL-1.6L/ha	Apply post-emergence when crop is 3 weeks old.

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

Situation & Crop	Weeds	State	Rate	Critical Comments
Pastures & non agricultural	Refer Weed Table	NSW, Qld, SA, ACT, Tas only	560mL-1.7L/ha	Pasture legumes including Lucerne, clovers and medics may be damaged unless well protected by grasses. Spot spraying is preferred.
	Galvanised Burr	NSW, ACT only	320mL/100L water	Apply to young actively growing weeds. Ensure thorough coverage of plants. Note: Treated plants need to be burnt to destroy seeds.
	Amsinckia, Docks, Bindweed, Caltrop, Flatweed, Spear thistle, Capeweed, Saffron Thistle, Mustard, Wild Radish, Wild Turnip, Annual Thistle,	WA only	1.1-2.4L/ha/ha	For pastures not containing legumes. Only seedling docks, spear thistle and saffron thistle will be controlled. SUMMER WEEDS: Use low rate for seedlings, 1.6-2.4L/ha for larger plants. Stock poisoning may occur when grazed after spraying if large amounts present,

	Paterson's Curse, Heliotrope, Ragwort, Threecornered Jack (Doublegee, Spiny Emex)			particularly Heliotrope. WINTER WEEDS: Use low rate for seedlings, 1.6-2.4L/ha for larger plants. If stock present, use spray/grazing rates.	
	Afghan Melons		1.6L/ha plus 1% Canola Oil 832 Adjuvant ¹	Spray when plants are actively growing preferably before flowering or vining.	
	Paddy Melons		800mL –1.1L/ha		
	Prickly Saltwort (Roly poly)		1.6L/ha	Spray when plants are small.	
	Stinkwort		1.6-3.2L/ha plus Wetter 1000 ¹	Best results are obtained when plants are small. Use higher rate on larger plants.	
	Dove Weed		3.2L/ha	Spray after good emergence of seedlings.	
Pastures, Rights of Way & Industrial	Boxthorn, Boneseed, Hawthorn	Vic, SA only	80mL/10L water	Spot spraying. For boneseed only, thoroughly wet plants or seedlings.	
			undiluted	Cut stump: Apply or paint undiluted Smart 2,4-D AMINE 625 Herbicide to freshly cut stumps.	
	Groundsel	NSW, Qld, ACT, SA only	950mL/15L water	MISTING lightly wet plants.	
			320mL/100L water	HIGH VOLUME: Thoroughly wet plants.	
		Tas only	240mL/15L water	CUT STUMP: Swab the cut stump within one hour of cutting. Apply by a pouring can or knapsack spray.	
	Lantana	Qld, NSW, ACT, SA Tas only	2.9-4.4L/ha		AERIAL APPLICATION: Spray when groundsel is actively growing
Mother of Millions	NSW only		400mL/100L water	Hand gun and knapsack only: A thorough coverage of leaves and plantlets is necessary. Use Wetter 1000 ¹ at the rate of 1.0mL of surfactant per 1L of mixture.	
Noogoora Burr, Weir Vine	Qld only		160mL/100L	In all cases apply to young, actively growing weeds,	

	(Ipomea), Scarlet Pimpernel (seedlings only), White Eye (Mexican Clover)		water	ensure thorough coverage.
	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, Variagated Thistle		320mL/100L water	In all cases apply to young, actively growing weeds, ensuring thorough coverage. <ul style="list-style-type: none"> • Spray rosette stage • Repeat spraying if necessary.
	Rubber Vine	Qld only	160mL/10L water	Apply to freshly cut stump.
	Sesbania Pea		560mL-900mL/ha	
	Water Hyacinth		3.5-5.3L/ha	Apply to 2200 to 3300L water/ha
	Wild Tobacco Tree		240mL/15L water	Cut Stump Treatment: Swab the cut stump within one hour of cutting. Apply by a pouring can or knapsack sprayer.
Conservation Tillage -Direct Drilling, Surface Sowing or Fallow Maintenance	Charlock, Mustards, Shepherd's Purse, Saffron, Slender, Spear & Variegated Thistles, Turnip Weed, Wild Radish, Wild Turnip	All States	560mL-1.6L/ha	Apply to actively growing young weeds before sowing. Observe plant back periods given in the table on this leaflet. * Warning: Treated plants may become toxic to stock
	Clover Sorrel		1.1L/ha plus 280-400mL/ha 500g/L Dicamda	Apply to actively growing young plants in autumn. Do not sow pasture seed for at least 30 days after application.
Pastures-Spray/Graze Techniques				Precaution: An increased quantity of poisonous plants may be eaten by stock using spray-graze eg. 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 period 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	SA only	560mL/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 sign of over grazing. Then return to normal stocking levels. Use high stocking rates in following spring to prevent weeds from flowering. Repeat treatments may be required for 2-3 years for complete control.
Annual Thistles, Capeweed, Doublegee, Mustards, Paterson's Curse, Turnip, Saffron Thistle, Spear Thistle Geranium, Slender Thistle	Tas, Vic only		
Amsinckia, Docks (seedling only), Capeweed, Doublegee, Mustard, Paterson's Curse, Wild Turnip, Wild Radish, Annual Thistles	WA only	600-800mL/ha	
Spear Thistle, Saffron Thistle		1.2L/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		1.6L/ha + 1% Canola Oil 832 Adjuvant ¹	Heavy stocking on young plants sprayed with 800mL/ha provides effective control.
Docks	Vic only	1.1L/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 only	280mL – 1.1L/ha	Spray actively growing 6-8 weeks 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.
Lawns, Playing fields	Refer Weed Table	Qld, NSW, ACT only	1.5-3mL/1L of water or 1.6-3.2L/ha	Wet foliage thoroughly. DO NOT mow lawn for 1 week before and at least 1 week after application. DO NOT use on Buffalo grass (WA only)
		WA only	40mL per 10-15L water/100m ²	

3. SPOT SPRAYING

Situation & Crop	Weeds	State	Mixing Rate/Critical Comments
High Volume Spraying	Refer weed Table	All States	Add 1/10 th of rate on weed table to 150 litres of water. Each 150 litres of mix will cover 1000m ² (1/10 th ha). eg. If rate in weed table is 1.4L use 140mL/150L water.
Knapsack Application			Add 1/100 th of rate on weed table to 10 litres of water. Each 10 litres of mix will cover 100m ² (1/100 th ha). eg. If rate in weed table is 1.4L use 14mL/10L water.

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

Crop	Qld	NSW, ACT	Vic		SA	WA	Tas
			Early Tillering	Tillered Boot Stage			
Cereal Rye					1.4L/ha		
Wheat	1.8L/ha	1.7L/ha	225mL/ha	1.4L/ha	1.7L/ha	1.7L/ha	1.7L/ha
Barley	1.4L/ha	1.4L/ha	225mL/ha	1.4L/ha	1.4L/ha	1.4L/ha	1.4L/ha
Oats	-	800mL/ha	225mL/ha	800mL/ha	900mL/ha	1.3L/ha	-
Triticale	-	1.4L/ha	225mL/ha	-	1.4L/ha	1.7L/ha	800mL/ha
Undersown clovers	-	-	225mL/ha	-	-	680mL/ha	560mL/ha
Undersown Medics	-	-	225mL/ha	-	-	nil	560mL/ha

Undersown Lucerne	-	-	225mL/ha	-	-	nil	-
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**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 PERIOD - PASTURE, CEREAL CROPS-DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 7 DAYS AFTER APPLICATION.
CROP HARVEST: NOT REQUIRED WHEN USED AS DIRECTED.**

WEED TABLE:

NOTE: Where weeds are to be sprayed in a CROP or PASTURE (other than spot spraying) 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 spot spraying rates for use in crop or pasture, or 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.

Weeds	Application	Rate per Hectare						Critical comments	
		Crop							
		Vic	NSW, ACT	SA	Qld	Tas	WA	Pastures ACT, NSW, SA, Qld, Tas only	
Amaranthus 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.

Billygoat Weed	-	3.4L	-	3.4L	-	-	-	Advanced stages susceptible Spray at young stage.
Bindweed	-	-	-	-	-	1.1L	-	
Blackberry Nightshade	-	560mL-1.1L	-	900mL	-	-	-	
Balckeyed Susan	-	1.8L	-	1.8L	-	-	-	Apply at pre-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
Capeweed	1.4L	-	1.7L	-	1.4L	1.1L	1.7-2.8L	Spray seedlings to rosette stage.
Caltrop	-	800mL-1.7L	-	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	-	-	-	-	Spray at multiple leaf stage.
Fumitory – white	800mL	-	560mL	-	-	-	-	
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 rosettes 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 not SA	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 seedling-plants become more resistant with age.
Mintweed	-	1.1L	-	900mL	-	-	-	Spray seedlings-resistant in later stages.
Morning Glory	-	1.8L	-	1.8L	-	-	-	Spray 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	-	-	-	-	-	Spray seedlings only.
Noogoora Burr	-	800mL-1.1L	-	900mL	-	-	800mL-1.1L	

							not SA	
Paterson's Curse	-	1.1-1.7L	-	1.4L	-	1.3L	1.7-2.2LL	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	-	-	-	Spray at young stage.
Purpletop	-	3.4L	-	3.4L	-	-	-	
Radish	-	-	-	-	-	1.1L	-	
Ragwort	-	-	-	-	3.8L	1.1L	-	Spray up to early rosette stage (Tas only)
Rapeseed	-	800mL-1.7L	-	-	-	-	-	
Rapistrum	-	-	-	-	-	1.1L	-	
Rough poppy	-	1.1L	-	-	-	-	-	
Safflower	-	560mL-1.1L	-	-	-	-	-	
Shepherd's Purse	-	1.1-1.7L	-	-	1.4L	-	800mL-1.1L	Spray young rosettes.
Siratro (Purple Bean)	-	1.8L	-	1.8L	-	-	-	Spray seedling or young stage 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 seedling or young stage only.
Starburr	-	1.8L	-	1.8L	-	-	-	Spray before seeding, advanced stages susceptible.
Spiny Emex	-	-	-	1.4L	-	-	-	Only young plants are susceptible.
Star of Bethlehem (Cupid's Flower)	-	-	-	1.8L	-	-	-	Spray before seeding, advanced stages susceptible.
Stinkwort	-	800mL-1.4L	-	-	-	-	-	
Storkbill / Erodium	-	-	-	-	1.4L	-	1.6-3.2L	Spray seedlings to young rosettes.
Sunflower (seedlings)	1.4L	560mL-1.4L	-	900mL	-	-	-	
Thistle – Annual	-	-	-	-	-	1.1L	-	
-California	-	-	-	-	2.7L	-	3.2-3.8L	Repeated applications may be necessary (ACT, 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	Spray young rosettes.

							ACT, NSW, Tas	
- 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 Thornapple	-	560mL-1.7L	-	900mL	1.4L	-	1.1-1.7L	Spray at rosette stage.
	-	800mL-1.1L	-	-	-	-	1.6-2.4L not SA	Spray seedlings only.
Tridax (Tridax Daisy)	-	1.8L	-	1.8L	-	-	-	Spray seedlings or young stages only.
Turnip Weed / Rapistrum	-	560mL-1.1L	-	560mL	-	800mL	560mL-1.1L	
Wards Weed	-	-	1.1L	-	-	-	-	
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.
Vetches / Tares	1.4L	-	1.1L	-	-	-	-	Spray multiple leaf stage.

PLANT BACK PERIODS (DAYS) FOR Smart 2,4-D AMINE 625 Herbicide

Crop	Rates		
	Up to 560mL/ha	560mL-1.1L/ha	1.1-1.7L/ha
Balansa Clover	7	7	10
Barley %	1	1	3
Chickpea #	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
Medic	7	7	10
Narbon Beans	7	7	10
Navybeans	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 1.6L/ha or less of **Smart 2,4-D AMINE 625 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 clean water rinses.

COMPATIBILITY

Smart 2,4-D AMINE 625 Herbicide is compatible in tank mixes with 500g/L Dicamba, 500g/L Diuron Flowable, 900g/Kg Diuron, Glean¹, Lusta¹, 250g/L Paraquat, Propon¹, 900g/Kg Atrazine, 500g/L Atrazine Flowable, Paraquat & Diquat mix, Tordon 50D¹, Tribunex¹ and Bumper¹.

¹ not a trademark of Crop Smart Pty Ltd.

RESISTANT WEEDS WARNING

GROUP I	HERBICIDE
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Smart 2,4-D AMINE 625 Herbicide is a member of the Phenoxys group of herbicides. **Smart 2,4-D AMINE 625 Herbicide** has the Disruptors of plant cell growth mode of action. For weed resistance management **Smart 2,4-D AMINE 625 Herbicide** is a GROUP I HERBICIDE. Some naturally weed biotypes resistant to **Smart 2,4-D AMINE 625 Herbicide** and other GROUP I HERBICIDE 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 **Smart 2,4-D AMINE 625 Herbicide** or other GROUP I HERBICIDE. Since the occurrence of resistant weeds is difficult to detect prior to use, Crop Smart Pty.Ltd accepts no liability for any loss that may result from the failure of **Smart 2,4- D AMINE 625 Herbicide** to control resistant weeds.

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, which could be expected to cause spray drift onto nearby susceptible plants, adjacent crops, crop lands or pastures. Crops particularly susceptible include cotton, tobacco, tomatoes, flowers, vegetables, vines, fruit trees, legume crops and pastures, oil seed crops or other susceptible crops and trees (eg Kurrajongs, Belahs, Eucalypts).

DO NOT use unless wind speed is more than 3 kilometres per hour and less than 15 kilometres per hour as measured at the application site. DO NOT apply with smaller than coarse to very coarse spray droplets according to the ASAE S572 definition for standard nozzle.

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:

DO NOT contaminate dams, ponds, drains, streams or waterways with this product or used container.

STORAGE AND DISPOSAL: (20 AND 200L ONLY)

Store in closed, original container in a cool, well – ventilated area. DO NOT store for prolonged periods in direct sunlight. Triple or preferably pressure rinse containers before disposal. Add rinsing to spray tank. DO NOT dispose of undiluted chemical on – site. If recycling, replace cap and return clean containers to recycler or designated collection point.

If not recycling, break, crush or puncture and bury empty containers in a local authority landfill. If no land fill is available, bury the containers below 500mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and products should NOT be burnt.

If the container is a returnable/refillable type, when empty, or contents no longer required, return the container to the point of purchase. This type of container remains the property of Crop Smart Pty Ltd.

REFILLABLE CONTAINERS: (1000L ONLY)

Store the closed, original container in a cool, well – ventilated area. DO NOT store for prolonged periods in direct sunlight. Empty contents fully into application equipment. Close all valves and return to point of supply for refill or storage.

ENVIRODRUM 110L MINI BULK RETURNABLE CONTAINER:

Store the original sealed ENVIRODRUM in a cool well ventilated area. DO NOT store for prolonged periods in direct sunlight. DO NOT tamper with Micro Matic valve or security seal. DO NOT contaminate the ENVIRODRUM with water or any foreign matter. After each use of the product, please ensure that the Micro Matic coupler, delivery system and hoses are disconnected, triple rinsed with clean water and drained accordingly. When the contents of the ENVIRODRUM have been used, please return the empty ENVIRODRUM to the point of purchase. The ENVIRODRUM remains the property of Crop Smart Pty Ltd.

SAFETY DIRECTIONS:

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

FIRST AID:

If poisoning occurs, contact a doctor or Poisons Information Centre. (Phone Australia 131 126).

MATERIAL SAFETY DATA SHEET:

Additional information is listed in the Material Safety Data Sheet available from Crop Smart Pty Ltd.

CONDITION OF SALE:

“Crop Smart Pty Ltd (‘Crop Smart’) shall not be liable for any loss, injury, damage or death whether consequential or otherwise whatsoever of 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 Crop Smart’s skill or judgment in purchasing or using the same and every person dealing with the product does at his own risk absolutely. No representative of Crop Smart has any authority to add to or alter these conditions”.

<p>IN A TRANSPORT EMERGENCY DIAL 000 POLICE OR FIRE BRIGADE</p>
<p>CROP SMART PTY.LTD EMERGENCY CONTACT 1300 783 481 AUSTRALIA WIDE, 24 HOURS</p>