



Company Name: APPARENT PTY. LTD.
Product Name: APPARENT HARDBALL LOW ODOUR 700 DUAL SALT HERBICIDE
APVMA Approval No: 81704/107461



Label Name:	APPARENT HARDBALL LOW ODOUR 700 DUAL SALT HERBICIDE
Signal Headings:	POISON KEEP OUT OF REACH OF CHILDREN READ SAFETY DIRECTIONS BEFORE OPENING OR USING
Constituent Statements:	ACTIVE CONSTITUENT: 700 g/L 2,4-D present as DIMETHYLAMINE & DIETHANOLAMINE SALTS
Mode of Action:	GROUP 1 HERBICIDE
Statement of Claims:	For the control of broad-leaved 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.
Net Contents:	CONTENTS: 5 – 1000 Litres
Restrains:	RESTRAINTS: DO NOT spray if rain seems likely within 6 hours or if strong winds prevail. DO NOT apply if crop or weeds are stressed due to dry or excessively moist conditions.
Directions for Use:	Please refer to Page 4.
Other Limitations:	IN TASMANIA, THIS PRODUCT MAY ONLY BE USED FROM 15 APRIL TO 15 SEPTEMBER UNLESS OTHERWISE PERMITTED BY THE REGISTRAR OF CHEMICAL PRODUCTS.

Withholding Periods:	<p>WITHHOLDING PERIOD: PASTURE, CEREAL CROPS DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 7 DAYS AFTER APPLICATION.</p> <p>HARVEST WITHHOLDING PERIOD: NOT REQUIRED WHEN USED AS DIRECTED.</p>
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Trade Advice:	
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General Instructions:	<p>GENERAL INSTRUCTIONS Before opening, carefully read Directions for Use, Precautionary Statements, Safety Directions and First Aid Instructions.</p> <p>APPLICATION INFORMATION BOOM SPRAYING Use 30 – 120 L/ha of water. AERIAL SPRAYING Use 10 – 90 L/ha of water.</p> <p>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.</p>
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Resistance Warning:	<p>RESISTANT WEEDS WARNING</p> <p>GROUP I HERBICIDE</p> <p>Apparent Hardball Low Odour 700 Dual Salt Herbicide is a member of the Phenoxy group of herbicides. The product has the Disruptors of plant cell growth mode of action. For weed resistance management the product is a Group I herbicide. Some naturally occurring weed biotypes resistant to the product and other Group I 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 the product or other Group I herbicides. Since the occurrence of resistant weeds is difficult to detect prior to use, Apparent Pty Ltd accepts no liability for any losses that may result from the failure of the product to control resistant weeds.</p>
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Precautions:	
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Protections:	<p>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 to drift onto nearby susceptible plants/crops, cropping lands or pastures. Avoid spray drift onto susceptible crops such as cotton, tobacco, tomatoes, vines, lupins, fruit trees and ornamentals. 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 nozzles.</p> <p>PROTECTION OF LIVESTOCK Low hazard to bees. May be applied at any time as recommended in the Directions for Use.</p> <p>PROTECTION OF WILDLIFE, FISH, CRUSTACEA AND ENVIRONMENT</p>
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DO NOT contaminate streams, rivers or waterways with the chemical or used container.

Storage and Disposal:

STORAGE AND DISPOSAL

Store in the closed, original container in a cool, well ventilated area away from children, animals, food, feedstuffs, seed and fertilisers. 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 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.

Safety Directions:

SAFETY DIRECTIONS

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

First Aid Instructions:

FIRST AID

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

First Aid Warnings:

DIRECTIONS FOR USE:

1. FIELD CROPS

Situation & Crop	Weeds	State	Rate	Critical Comments	
Wheat	Refer Weed Table	NSW, ACT, SA only	285 mL -1.5 L/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 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	200 mL -1.25 L/ha		
		Qld only	500 mL -1.25 L/ha		
		Tas only	715 mL-1.25 L/ha		
		Barley	NSW, ACT, SA only		285 mL - 1.25 L/ha
			Vic only		200 mL-1.25 L/ha
			Qld only		500 mL- 1.25 L/ha
			Tas only		715 mL-1.25 L/ha
Cereal Rye, Triticale		NSW, ACT, SA only	285 mL -1.25 L/ha		
		Vic only	200 mL -1.25 L/ha		
Oats		NSW, SA only	285 mL -715 mL/ha		
		Vic only	200 mL – 715 mL/ha		
Cereals: Wheat, Oats, Barley	Cape Tulip	WA only	570 mL - 1.0 L/ha	Apply from the 5 leaf stage up to jointing Leaf 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.	
	Dock, Flatweed, Saffron Thistle		1.0 L/ha		
	Indian Hedge, Mustard, London Rocket, Lupin, Matricaria, Rapistrum, Wild Radish		715 mL/ha		
	Wild Turnip		570 mL/ha		
	Capeweed, Doublegee, Erodium, London Rocket, Lupin, Mustard, Rapistrum, Wild Radish, Wild Turnip		170 mL/ha plus 500 L/ha Flowable Diuron (500 g/L)	Apply when crop has 4 - 5 leaves and most weeds have germinated and are in 2 - 5 leaf stage. Crop and weeds should be dry at time of application. Some temporary yellowing of crop may occur after application. Undersown sub clovers may be slightly retarded. DO NOT apply to undersown medics. TANK MIXTURES: Read and follow all label directions including restraints, spray drift restraints, mandatory no-spray zones, critical comments, withholding periods, regional use restrictions and safety directions for the tank mix products.	

Situation & Crop	Weeds	State	Rate	Critical Comments
Fallow, Stubble: Spray prior to direct drilling or sowing a) Winter Cereals, Grain legumes (peanuts Qld only) and Canola	Refer Weed Table	All States	200 mL-1.5 L/ha	Observe plant back periods given in the table on this leaflet. Can be mixed with Chlorsulfuron 750 g, Paraquat 250 g, or Spray.Seed^ where grasses are present. Select an appropriate rate from the weed table. 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	500 mL - 1.0 L/ha	Spray when secondary roots have developed when fully tillered and before heads start to form at the base of the tillers. Do not use on panorama millet or panicum.
		Qld only	500 mL – 800 mL/ha	
Sacaline, Broom Millet, Millet	Cape Tulip, Dock, Saffron Thistle, Indian Hedge Mustard, London Rocket, Lupin, Rapistrum, Radish, Wild Turnip	WA only	1.0 L/ha	Spray when crop is 10 – 30 cm high and secondary roots have developed and before tasselling. Apply as direct spray to weeds.
Sugar Cane (Q80, Q96, & H56 varieties)	Bellvine	Qld, NSW only	250 mL/100 L water	Apply in spring, using directed spray.
	Morning Glory		500 mL to 1.0 L/ha	Apply in summer using high clearance tractor.
	Pink Convolvulus Star of Bethlehem		1.0 L/ha	Apply in autumn by aircraft.
Sugar Cane	Bindy Eye (Star Burr), Blue Top, Cobblers Pegs, Fleabanes, Jute, Leucas, Needle Burr, Spear Thistle, Water Primrose, Ipomea Vines, Convolvulus Vines	Qld only	1.25 L - 3.1 L/ha	Add 60 - 120 mL of 600 g/L non-ionic surfactant to 100 L of spray mixture. Agitate well. DO NOT use on Q63, Q67, Q80 or Q96 Varieties.
	Chinese Mint, Blue Snakeweed		3.1 L/ha	

Situation & Crop	Weeds	State	Rate	Critical Comments
Peanuts	Broadleaf Weeds; except Noogoora Burr, Grasses except Mossman Burr	Qld only	1.6 L – 3.2 L/ha	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.
Harvest Aid or Salvage Spray Winter Cereals	Dessicate Broadleaf Weeds Refer Weed Table	All States	1.0 - 1.5 L/ha	Apply after dough stage.
Bananas	To destroy Banana suckers	Qld only	145 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.
			285 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.
Common Stylo forage or seed crops	Refer to Weeds Table		715 mL/ha	Apply post-emergence when weeds are 3 weeks old and crop is at least 3 weeks Old.
Caribbean Stylo forage or seed crops			715 mL – 1.25 L/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 and Non-Agricultural	Refer Weed Table	NSW, Qld, SA, ACT, Tas only	500 mL - 1.5 L/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	285 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 Flatweed, Spear Thistle, Capeweed, Saffron Thistle, Mustard, Wild Radish, Wild Turnip, Annual Thistles, Paterson's Curse, Heliotrope, Ragwort, Three comered Jack (Doublegee, Spiny Emex)	WA only	1.0 - 2.1 L/ha	For pastures not containing legumes. Only seedling docks, spear thistle and saffron thistle will be controlled. SUMMER WEEDS: Use low rate for seedlings, 1.25 - 2.1 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, 1.25 - 2.1 L/ha for larger plants. If stock present, use spray/grazing rates.
	Afghan Melons		1.25 L/ha plus 1% crop oil	Spray when plants are actively growing preferably before flowering or vining.
	Paddy Melons		715 mL – 1.0 L/ha	
	Prickly Saltwort (Roly Poly)		1.25 L/ha	Spray when plants are small.
	Stinkwort		1.25 - 2.85 L/ha plus surfactant	Best results are obtained when plants are small. Use high rate on larger plants.
	Dove Weed		2.85 L/ha	Spray after good emergence of seedlings.

Situation & Crop	Weeds	State	Rate	Critical Comments
Pastures, Rights of Way and Industrial	Boxthorn, Boneseed, Hawthorn	Vic, SA only	70 mL/10 L/ha water	Spot Spraying. For boneseed only, thoroughly wet plants or seedlings.
			Undiluted	Apply as an undiluted spray to freshly cut stumps.
	Groundsel	NSW, Qld, ACT, SA only	850 mL/15 L water	MISTING: Lightly wet plants.
			285 mL/100 L water	HIGH VOLUME: Thoroughly wet plants.
		Tas only	215 mL/15 L water	CUT STUMP: Swab the cut stump immediately. Apply by a pouring can or Knapsack spray.
	Lantana	NSW, Qld, ACT, SA only	285 mL/100 L water	Use a coarse spray with sufficient pressure to penetrate canopy and wet stems as well as foliage. Spray at the end of a wet summer (March to May). Defoliation should occur but re-spraying of new growth will be necessary in following Autumn. Broadcast grass seed and keep stock off following summer to allow the pasture to establish. Damage may result to pasture legumes.
	Mother of Millions	NSW only	360 mL/100 L water	Hand gun and Knapsack only. A thorough coverage of leaves and plantlets is necessary. Use 1000 g/L non-ionic surfactant at the rate of 1 mL- of surfactant per 1 L of mixture.
Noogoora Burr, Weir Vine (Ipomea), Scarlet Pimpernel (seedlings only), White Eye (Mexican Clover)	Qld only	145 mL/100 L water	In all cases apply to young, actively growing weeds ensuring thorough coverage.	

Situation & Crop	Weeds	State	Rate	Critical Comments
Pastures, Rights of Way and Industrial (cont.)	Annual and 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*	Qld only	285 mL/100 L water	In all cases apply to young, actively growing weeds, ensuring thorough coverage. * Spray rosette stage. + Repeat spraying necessary.
	Rubber Vine	Qld only	145 mL/10 L water	Apply to freshly cut stump.
	Sesbania Pea		500 mL – 800 mL/ha	Apply to freshly cut stump
	Water Hyacinth		3.1 - 4.75 L/ha	Apply to 2200 to 3300 L water/ha
	Wild Tobacco Tree		215 mL/15 L water	Cut Stump Treatment: Swab cut stump within 1 hour of cutting. Apply by pouring can or knapsack sprayer.
Conservation Tillage - Direct Drilling, Surface Sowing or Fallow Maintenance	Charlock, Mustards, Shepherd's Purse, Saffron, Slender, Spear and Variegated Thistles*, Turnip Weed, Wild Radish, Wild Turnip	All States	500 mL - 1.25 L/ha	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.
	Clover, Sorrel		1.0 L/ha plus 700mL – 1 L/ha of Dicamba 200 g	Apply to actively growing plants in Autumn. Do not sow pasture seed for at least 30 days after application.

Situation & Crop	Weeds	State	Rate	Critical Comments
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, 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.
	Amsinckia, Thistles, Capeweed, Doublegee, Mustard, Paterson's Curse, Wild Turnip, Wild Radish, Docks, Geranium, Erodium	SA only	500 mL/ha	Apply from 6 weeks after opening rains in Autumn until the end of August. Seven days after spraying stock paddock at 4 - 5 times normal rate, preferably with sheep. Maintain this level of grazing for 6 weeks or until pasture shows signs of over grazing. Then return to normal stocking levels. Use high stocking rates in following spring to prevent weeds from flowering. Repeat treatments may be required for 2 - 3 years for complete control.
	Annual Thistles, Capeweed, Doublegee, Mustards, Paterson's Curse, Turnip, Saffron Thistle, Spear Thistle, Geranium, Slender Thistle	Tas, Vic only		
	Amsinckia, Docks (Seedling only), Capeweed, Doublegee, Mustard, Wild Radish, Wild Turnip, Paterson's Curse, Annual Thistles	WA only	535 – 715 mL/ha	Apply from 6 weeks after opening rains in Autumn until the end of August. Seven days after spraying stock paddock at 4 - 5 times normal rate, preferably with sheep. Maintain this level of grazing for 6 weeks or until pasture shows signs of over grazing. Then return to normal stocking levels. Use high stocking rates in following spring to prevent weeds from flowering. Repeat treatments may be required for 2 - 3 years for complete control.
	Spear Thistle, Saffron Thistle		1.0 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		1.25 L/ha + 1 % oil	Heavy stocking on young plants sprayed with 715mL/ha provides effective control.
	Docks	Vic only	1.0 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	250 mL - 1.0 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.
Lawns, Playing fields	Refer Weed Table	Qld, NSW, ACT only	1.3 - 2.6 mL/1 L of water or 1.25 - 2.85 L/ha	Wet foliage thoroughly. DO NOT mow lawn for 1 week before and at least 1 week after application. DO NOT use on Buffalo grass (WA only)
		WA only	35 mL per 10 – 15 L Water/100 m ²	

3. SPOT SPRAYING

Situation & Crop	Weeds	State	Mixing Rates/ Comments
High Volume Spraying	Refer to 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 m ² (1/10 th ha) e.g. If rate in weed table is 1.25 L - use 125 mL/150 L water
Knapsack Application	Refer to Weed Table		Add 1/10th of rate on weed table to 10 L of water. Each 10 L of mix will cover 100 m ² (1/100 th ha). e.g. If rate in weed table is 1.25 L- use 125 mL/10 L water.

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

Crop	Qld	NSW, ACT	Vic Early Tillering	Vic Tillered Boot Stage	SA	WA	Tas
Cereal Rye	-	-	-	-	1.25 L/ha	Tillered to Boot (Z15-35)	Tillered to Boot (Z15-35)
Wheat	1.6 L/ha	1.5 L/ha	200 mL/ha	1.25L/ha	1.5 L/ha	-	-
Barley	1.25 L/ha	1.25 L/ha	200 mL/ha	1.25L/ha	1.25 L/ha	1.5 L/ha	1.5 L/ha
Oats	-	715 mL/ha	200 mL/ha	715 mL/ha	800 mL/ha	1.25 L/ha	1.25 L/ha
Triticale	-	1.25 L/ha	200 mL/ha	-	1.25 L/ha	1.0 L/ha	-
Undersown Clovers	-	-	200 mL/ha	-	-	1.5 L/ha	715 mL/ha
Undersown Medics	-	-	200 mL/ha	-	-	610 mL/ha	500 mL/ha
Undersown Lucerne	-	-	200 mL/ha	-	-	NIL	500 mL/ha
						NIL	-

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.

Weeds	Application Rate per Hectare							Critical Comments
	Crop						Pasture	
	Vic	NSW, ACT	SA	Qld	Tas	WA	NSW, SA, Qld, Tas only	
Amaranthus spp.	-	500 mL - 1.0 L	-	800 mL	-	-	-	Spray young plants.
Amsinckia	-	-	-	-	-	1.0 L	-	
Apple of Peru	-	500 mL - 1.0 L	-	800 mL	-	-	-	Spray young plants. Susceptible when young.
Bathurst Burr	-	715 mL - 1.0 L	1.5 - 2.0 L	800 mL	-	-	715 mL - 1.0 L not SA	Spray seedlings only.
Bellvine	-	1.6 L	-	1.6 L	-	-	-	Spray before seeding. Advanced stages susceptible.
Billygoat Weed	-	3.0 L	-	3.0 L	-	-	-	Spray at young stage.
Bindweed	-	-	-	-	-	1.0 L	-	
Blackberry	-	500 mL - 1.0 L	-	800 mL	-	-	-	
Nightshade	-	-	-	-	-	-	-	
Blackeyed Susan	-	1.6 L	-	1.6 L	-	-	-	Apply at pre-flowering, preferably young stages.
Blue Snakeweed	-	1.6 L	-	1.6 L	-	-	-	Spray seedlings at young stages only.
California Burr	-	715 mL - 1.0 L	-	800 mL	-	-	715 mL - 1.0 L not SA	Spray seedlings only.
Cape Tulip	-	-	-	-	-	570 mL - 1.0 L	-	Low rate for cormils only
Capeweed	1.25 L	-	1.5 L	-	1.25 L	1.0 L	1.5 - 2.5 L	Spray seedlings to rosette stage.
Caltrop	-	715 mL - 1.5 L	-	800 mL	-	1.0 L	-	Moderately susceptible.
Castor Oil Plant	-	3.0 L	-	3.0 L	-	-	-	Spray at young stage.
Charlock	500 mL – 715 mL	500 mL - 1.0 L	500 mL	-	1.25 L	-	715 mL - 1.0 L	Spray at rosette stage.
Clover	-	1.0 L	-	-	-	-	-	
Cobbler's Pegs	-	1.6 L	-	1.6 L	-	-	-	Apply at pre-flowering, preferably young stages.
Common Ice Plant	-	-	1.0 L	-	-	-	-	
Common Sida	-	1.6 L	-	1.6 L	-	-	-	Spray seedling or young stages only.
Common Sowthistle	-	1.6 L	-	1.6 L	1.25 L	-	-	Apply at pre-flowering, preferably young stages.
Docks	1.25L	-	1.25 L	1.25 L	1.25 L	1.0 L	2.85 L SA only	Spray at multiple leaf stage. -effective only on seedlings.
Doveweed	-	-	-	-	-	1.0 L	-	

Weeds	Application Rate per Hectare							Critical Comments
	Crop						Pasture	
	Vic	NSW, ACT	SA only	Qld	Tas	WA	NSW, SA, Qld, Tas only	
Fat Hen	-	500 mL 1.5 L	-	800 mL	1.25 L	-	-	Spray pre-flowering.
Flannel Weed	-	1.6 L	-	1.6 L	-	-	-	Spray seedling or young stages only.
Flat Weed	-	-	-	-	-	1.0 L	-	-
Fumitory - red	-	-	1.5 L	-	-	-	-	-
Fumitory - white	715 mL	-	500 mL	-	-	-	-	Spray at multiple leaf stage.
Heliotrope	-	-	-	-	-	1.0 L	-	-
Hexham Scent or Melilotus	1.25 L	-	1.0 L	1.25 L	-	-	1.0 - 1.5 L	Spray multiple leaf stage before seeding.
Hoary Cress	800 mL - 1.25 L	1.0 - 1.5 L	1.25 L	1.25 L	-	-	1.25 - 1.5 L	Spray rosettes and pre-flowering.
Hogweed/Wireweed	1.25 L	-	-	1.25 L	-	-	-	Spray at multiple leaf stage (Vic). Spray at seedling and young plant stage (Qld).
Horehound	-	-	1.25 L	-	-	-	2.0 - 2.85 L SA only	Spray seedlings.
Indian Hedge Mustard	-	-	-	-	1.25 L	1.0 L	-	-
Khaki Weed	-	-	-	-	-	-	1.0 - 2.0 L not SA	Spray seedlings only.
Knobweed	-	-	-	1.6 - 3.0 L	-	-	-	Lower rate for seedlings; higher rate for later stages.
Lincoln Weed	-	-	1.5 L	-	-	-	-	Spray early rosettes.
London Rocket	-	-	-	-	-	-	-	-
Lupins	-	715 mL - 1.5 L	-	-	-	-	-	-
Melons - Camel, Paddy	-	-	-	-	-	-	-	-
Mexican Poppy	-	500 mL - 1.0 L	-	-	-	-	-	-
Mintweed	-	-	-	1.25 L	-	-	-	Spray seedlings - plants become more resistant with age.
Morning Glory	-	1.0 L	-	800 mL	-	-	-	Spray seedlings - resistant in later stages.
Mustards	200 mL – 500 mL	1.6 L	-	1.6 L	-	-	-	Spray at seedling to flowering stage.
		500 mL - 1.0 L	500 mL - 1.25 L	800 mL	-	715 mL	500 mL - 1.0 L	Spray at 2 - 4 leaf up to rosette stage.
Needle Burr	-	1.6 L	-	1.6 L	-	-	-	Apply at pre-flowering, preferably young stages.

Weeds	Application Rate per Hectare							Critical Comments
	Crop						Pasture	
	Vic	NSW, ACT	SA only	Qld	Tas	WA	NSW, SA, Qld, Tas only	
New Zealand Spinach	-	1.0 L - 1.5 L	-	-	-	-	-	<p>Spray seedlings only.</p> <p>Spray rosettes or before plants have 10 leaves. Later stages harder to kill. Spray seedling or young stages only.</p> <p>Spray at young stage.</p> <p>Spray up to early rosette stage (Tas only).</p> <p>Spray young rosettes. Spray seedling or young stages only. Spray rosettes before aerial growth commences. Only moderately susceptible.</p> <p>Spray seeding or young stages only. Spray before seeding, advanced stages susceptible.</p>
Noogoora Burr	-	715 mL - 1.0 L	-	800 mL	-	-	715 mL - 1.0 L not SA	
Paterson's Curse	-	1.0 - 1.5 L	-	1.25 L	-	1.0 L	1.5 - 2.0 L	
Pinkburr	-	1.6 L	-	1.6 L	-	-	-	
(Pink Flowered Burr)	-	-	-	-	-	-	-	
Potato Weed	-	500 mL - 1.0 L	-	800 mL	-	-	-	
Purpletop	-	3.0 L	-	3.0 L	-	-	-	
Radish	-	-	-	-	-	1.0 L	-	
Ragwort	-	-	-	-	3.4 L	1.0 L	-	
Rapeseed	-	715 mL - 1.5 L	-	-	-	-	-	
Rapistrum	-	-	-	-	-	1.0 L	-	
Rough Poppy	-	1.0 L	-	-	-	-	-	
Safflower	-	500 mL - 1.0 L	-	-	-	-	-	
Shepherds Purse	-	-	-	-	1.25 L	-	715 mL - 1.0 L	
Siratiro (Purple Bean)	-	1.6 L	-	-	-	-	-	
Skeleton Weed	1.25 L	1.0 L-1.5 L	-	-	-	-	-	
Sorrel	1.25 L	1.5 L	1.25 L	-	-	-	-	
Speedwell - Ivy leaf	-	-	1.0 L	-	-	-	-	
Spinyhead Sida	-	1.6 L	-	1.6 L	-	-	-	
Starburr	-	1.6 L	-	1.6 L	-	-	-	

Weeds	Application Rate per Hectare							Critical Comments
	Crop						Pasture NSW, SA, Qld, Tas only	
	Vic	NSW, ACT	SA only	Qld	Tas	WA		
Spiny Emex	-	-	-	1.25 L	-	-	-	Only young plants are susceptible. Spray before seeding, advanced stages susceptible
Star of Bethlehem (Cupid's Flower)	-	-	-	1.6 L	-	-	-	
Stinkwort	-	715 mL - 1.25 L	-	-	-	-	-	
Storkbill/Erodium	-	-	-	-	1.25 L	-	1.4 - 2.85 L	Spray seedlings to young rosettes.
Sunflower (seedlings)	1.25 L	500 mL - 1.25 L	-	800 mL	-	-	-	
Thistles: -Annual	-	-	-	-	-	1.0 L	-	Repeated applications may be necessary. (NSW, Tas only)
-Californian	-	-	-	-	2.4 L	-	2.85 - 3.4 L	
- Saffron	1.0 L	500 mL - 1.5 L	1.25 L	1.25 L	850 mL	1.0 L	1.0 - 1.5 L	
- Slender / Shore	-	715 mL - 1.5 L	-	-	-	1.25 L	1.0 L	Suppression only.
- Soldier	1.25 L	-	-	-	-	-	1.0 - 1.4 L not NSW, Tas	Spray young rosette.
- Spear	500 mL	-	-	-	1.25 L	-	1.0 - 1.4 L	
- Star	-	-	-	-	-	-	1.4 - 2.85 L SA only	Use higher rate as flower stalk appears. Spray at rosette stage.
- Variegated	-	500 mL - 1.5 L	-	800 mL	1.25 L	-	1.0 - 1.5 L	
Thornapple	-	715 mL - 1.0 L	-	-	-	-	1.4 - 2.1 L not SA	Spray seedlings only.
Tridax (Tridax Daisy)	-	1.6 L	-	1.6 L	-	-	-	
Turnip Weed/Rapistrum	-	500 mL - 1.0 L	-	500 mL	-	715 mL	500 mL - 1.0 L	Spray seedling or young stages only.

Weeds	Application rate per hectare							Critical comments
	Crop						Pasture	
	Vic	NSW,ACT	SA only	Qld	Tas	WA	NSW, SA, Qld, Tas only	
Vetches/Tares	1.25 L	-	1.0 L	-	-	-	-	Spray at multiple leaf stage. Spray multiple leaves. Spray rosettes. Spray up to young rosette stage. Spray 2 - 4 leaf up to rosette stage.
Wards Weed	-	-	1.0 L	-	-	-	-	
Wild Cabbage	1.25 L	-	-	-	-	-	-	
Wild Poppy	500 mL	-	-	-	-	-	1.0 - 1.5 L	
Wild Radish	1.25 L	1.25 - 1.5 L	1.25 L	800 mL	1.25 L	715 mL	715 mL - 1.0 L	
Wild Turnip	200 – 500 mL	500 mL -1.0 L	285 mL	-	1.25 L	570 mL	500 mL - 1.0 L	

Plant back days for Apparent Hardball 700 Dual Selective Herbicide

Crop	Rates		
	Up to 500 mL/ha	500 mL – 1.0 L/ha	1.0 – 1.5 L/ha
Balansa Clover	7	7	10
Barley ①	1	1	3
Chickpeas ②	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 ④	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 ②	14	21	28
Rice	7	7	14
Safflower ②	7	14	21
Sorghum ③	3	7	10
Soybean	14	14	21
Sub-Clover	7	7	10
Sunflower ③	7	10	14
Triticale ①	1	3	7
Vetch	7	7	10
Wheat ①	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:

- ① In Queensland, no rainfall is required to fall prior to commencement of plant back period for wheat, barley and triticale.
- ② In Queensland, planting of canola / rapeseed, chickpeas and safflower must be delayed for at least 14 days following rainfall of at least 15 mm.
- ③ In Central Queensland, when using 715 mL/ha or less of Apparent Hardball 700 Dual Selective Herbicide, the Plant Back Period for sorghum and sunflower is 1 day irrespective of rainfall.
- ④ In WA the Plant Back Period for lupins at all rates is 28 days.