CAUTION

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

Rapid Fire 510

HERBICIDE

ACTIVE CONSTITUENT: 510 g/L GLYPHOSATE present as the ISOPROPYLAMINE SALT

GROUP M HERBICIDE

A non-selective water soluble herbicide for the control of a wide range of annual and perennial weeds in a wide variety of situations as per Directions For Use table.

IMPORTANT: READ THE ATTACHED LEAFLET BEFORE OPENING OR USING THIS PRODUCT



Indigo Specialty Products Pty Ltd ABN 15 631 459 660 Unit 3 / 2 Ant Road Yatala Qld 4207 Ph: 0402 725 887 Distributed by



Contents 20 L

Rapid Fire 510

STORAGE AND DISPOSAL

Store in the closed, original container in a 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 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

Product will irritate eyes and skin. Avoid contact with eyes and skin. When using controlled droplet applicator wear protective waterproof clothing and impervious footwear. When preparing product for use wear elbow length PVC gloves and face shield or goggles. 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 or goggles and contaminated clothing.

FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 131126, New Zealand 0800 764 766.

SDS

Additional information is listed in the safety data sheet (SDS). A safety data sheet for RAPID FIRE 510 SL is available from Indigo Specialty Products Pty Ltd on request.

CONDITIONS OF SALE:

Seller warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use. No warranty (other than non-excludable statutory warranties) of merchantability or fitness for a particular purpose, express or implied, extends to the use of the product contrary to label instructions, or under off-label permits not endorsed by Indigo Specialty Products Pty Ltd or under abnormal conditions. Indigo Specialty Products Pty Ltd accepts no liability for any loss or damage arising from incorrect storage, handling or use.





Batch No.

Date of Manufacture

APVMA Approval No.: 64362/122760

IN A TRANSPORT

EMERGENCY

DIAL 000

PROFORCE RAPID FIRE 510 – 36PP LEAFLET

FLAT SIZE: 504 MM WIDE X 339 MM DEEP

FOLDS TO: 84 MM WIDE X 113 MM DEEP

Rapid Fire 510 HERBICIDE

DIRECTIONS FOR USE RESTRAINTS: DO NOT disturb treated weeds by grazing, cultivation or sowing for 6 hours of daylight following treatment of annual weeds and seven days for perennial weeds to ensure herbicide absorption, unless specified in the critical comments. DO NOT treat weeds under any stress from frost, cold disease, waterlogging, lack of moisture or disease. Plants must be actively growing to ensure optimum uptake of the product.

SITUATION	WEEDS CONTROLLED	STATE	RATE L/ha	CRITICAL COMMENTS
SOUTHERN AUSTRALIA Before sowing a crop or pasture.	Barley Grass (<i>Hordeum leporinum</i>), Brome Grass (<i>Bromus unioloides</i>), Volunteer Cereals, Wild Oats (<i>Avena fatua</i>)	NSW, ACT, Vic, SA, WA only	350 mL-700 mL pre tillering 700 mL-900 mL post tillering	Use the Higher Rate when treating in cold/overcast conditions, whe using late in the season. Use the lower rate on young weeds and th higher rate on mature weeds, ie fully tillered grasses or broadleaf weeds at budding or stem elongation.
For weed control prior to sowing a crop or pasture with full soil disturbance by cultivation or sowing with a tyned implement	Annual Phalaris (<i>Phalaris canarienis</i>), Annual Ryegrass (<i>Lolium rigidum</i>), Silvergrass (<i>Vulpia</i> spp.), Wiinter Grass (<i>Poa annua</i>)		700-900 mL pre-tillering 900 mL-1 L post tillering	If weeds have been grazed heavily remove stock prior to spraying to ensure regrowth to 6-8 cm before treatment and use the higher rate. Cultivation or planting may proceed from 1 hour of daylight after application to seedling annual weeds if a satisfactory seedbed can
with a tyricu implement	Capeweed (Arctotheca calendula), Spiny Emex / Doublegee (Emex australis)		350 mL-700 mL less than 8 cm diameter 700 mL-900 mL greater than 8 cm diameter	be created for crop germination and seedling establishment. If cultivation or sowing does not take place within 21 days re- treatment may be necessary. Annual Ryegrass, Silvergrass and Perennial grasses - It is recommended to use a water volume of 70 L/ha or more with low
	Amsinkia (Amsinkia), Fumitory (Fumaria officinalis, F. muralis), Paterson's Curse/Salvation Jane (Echium plantaginium), Saffron Thistle (Cathamus lanatus), Scotch Thistle (Onopordum acanthium), Spear Thistle (Circium vulgare), Variegated Thistle (Silybum marianum), Volunteer Lupins (Lupinus angustifolius), Wild Turnip (Brassica tournefortii)		700-900 mL less than 12 cm diameter/ height 900 mL-1 L greater than 12 cm diameter/ height	volume nozzles to improve control. Addition of BS1000 at 200 mL/100 L spray solution may improve control. Crop Establishment: Sowing should not proceed until conditions allow for the formation of satisfactory seedbed. See Crop Establishment for directions. Tank Mixtures: For improved control of clover add dicamba. Read and follow all label directions for the tank mix product. For perennial weeds, perennial phalaris, Soursob, Skeleton Weed and Sorrel this product will provide knockdown, seasonal suppression and reduction in treated plant numbers
	Dock seedling (Rumex crispus)		700 mL-1 L	
	Perennial Phalaris (<i>Phalaris</i>), Sorrel (<i>Rumex acetosella</i>), Sub Clover (<i>Trifolium subterraneum</i>), Soursob (<i>Oxalis pescaprae</i>), Skeleton Weed (<i>Chondrilla juncea</i>) - fully emerged rosettes (NSW only)		1L	
	All the above weeds	Tas only	1 L-2 L	Tas only: Use 1 L on annual weeds and 2 L on perennial weeds. Th product may also be tank mixed with dicamba to improve control of sorrel, dock and white clover. Observe dicamba label directions and plant back periods. Addition of BS1000 at 200 mL/100L spray solution may improve control.
SOUTHERN AUSTRALIA Before sowing a crop or pasture.	Barley Grass <i>(Hordeum leporinum),</i> Volunteer Cereals, Wild Oats <i>(Avena fatua)</i>	NSW, ACT, VIC, WA, SA	700 mL - 1.0 L	Use the Higher Rate when treating in cold/overcast conditions, whe using late in the season. Use the lower rate on young weeds and th higher rate on mature weeds, ie fully tillered grassess or broadleaf
For weed control prior to sowing a crop or pasture with minimal or no soil disturbance	Brome Grass (Bromus unioloides), Capeweed (Arctotheca calendula), Variegated Thistle (Silybum marianum), Winter Grass (Poa annua)	only	900 mL - 1.4 L	weeds at budding or stem elongation. If weeds have been grazed heavily remove stock prior to spraying to ensure regrowth to 6-8 cm before treatment and use the higher rate. Annual Ryegrass, Silvergrass and Perennial grasses - it is recommended to use water volumes of 70 L/ha or more with low volume nozzles to improve control. Addition of BS1000 at 200
	Annual Ryegrass (Lolium rigidum), Paterson's Curse/Salvation Jane (Echium plantaginium), Saffron Thistle (Carthamus lanatus), Scotch Thistle (Onopordum acanthium), Silvergrass (Vulpia spp.), Spear Thistle (Circium vulgare), Wild Mustard (Sisymbrium officinale), Wild Turnip (Brassica tournefortii)		1.0 - 1.3 L	mL/100 L spray solution may improve control. Do not sow if heavy trash is present. Seeding may proceed 1 day after spraying annual weeds and 7 days after spraying perennial weeds. Aerial Application: May be applied by air provided a good seed be has been established. Always uses the higher rates. Tank Mixtures: For improved control of dock, sorrel and sub-clover add dicamba. Read and follow all label directions for the tank mix product. Addition of Liase 2 L/100 L may improve control when treating under adverse environmental conditions.
	Erodium (Erodium cicutarium), Plantain (Plantago spp.), Perennial Phalaris (Phalaris aquatica), Sorrel (Aumex acetosela), Sub Clover(Trifolium subterraneum)		1.2 - 1.8 L	Pasture or Crop Establishment: D0 N0T sow into excessive trash Cultivation or planting may proceed from 1 hour of daylight after application to seedling annual weeds if a satisfactory seedbed can be created for crop germination and seedling establishment. Trash may be removed by grazing after 6 hours for treatment of annual weeds (small) and 7 days for perennial weeds. Delay grazing for 3
	Dock (<i>Rumex spp.</i>), Flatweed (<i>Hypochoeris</i>)		1.8 L	days where annual weeds are large. See also Crop Establishment. Aerial (or Surface) Seeding: Delay seeding until trash is completely removed by grazing and/or plant decay. When establishing pasture, ensure application of fertiliser and insecticides and follow-up management is undertaken as required.
	All weeds listed above	TAS only	1L-2L	TAS ONLY: Use 1 L on annual weeds and 2 L on perennial weeds. The product may also be tank mixed with dicamba to improve control of sorrel, dock and white clover. Observe dicamba label directions and plant back periods. Addition of BS1000 at 200 mL/100 L spray solution may improve control.
SOUTHERN AUSTRALIA For weed control before a fallow	Barley Grass <i>(Hordeum leporinum),</i> Volunteer cereals, Wild Oats <i>(Avena fatua)</i>	NSW, ACT, VIC, WA, SA	700 mL - 1.0 L	Use the Lower Rate on young weeds or where cultivation is to take place within 21 days. Use the Higher Rate where broadleaf weeds reach stem elongation.
	Annual Ryegrass (Lolium rigidum), Brome Grass (Bromus unioloides), Silvergrass (Vulpia spp.), Capeweed (Arctotheca calendula), Paterson's Curse/Salvation Jane (rosette) (Echium plantaginium), Saffron thistle (Carthamus lanatus), Scotch thistle (Carchamus lanatus), Spear thistle (Circium vulgare), Wild Mustard (Sisymbrium orientale), Wild Rustard (Sisymbrium orientale), Wild Radish (Raphanus raphanistrum), Wild Turnip (Brassica tournefortii)	only	1.0 - 1.3 L	budding or where grasses are fully tillered. If weeds have been grazed heavily remove stock prior to spraying to ensure regrowth to 6-8 cm before treatment and use the higher rate. Soursob - Treat at tuber exhaustion Hoary Cress - Treat from late rosette to early flowering. Annual Ryegrass, Silvergrass and Perennial grasses - It is recommended to use water volumes of 70 L/ha or more with low volume nozzles to improve control. Addition of BS1000 at 200 mL/100 L spray solution may improve control.
	Hoary Cress (Cardia draba)		1.0 L	

SITUATION	WEEDS CONTROLLED	STATE	RATE L/ha	CRITICAL COMMENTS		S CONTROLLED	ST/		ATE /ha	CRITICAL COMMENTS	
NORTHERN AUSTRALIA	Annual Phalaris <i>(Phalaris)</i> , Barley Grass <i>(Hordeum</i>	NSW, QLD only	350 -700 mL	Use the Lower Rate on young weeds or where cultivation is to take place within 21 days.		ım stubble <i>(grain sorg</i> a <i>um bicolor)</i>	hum) QLE NSV		0 mL-1.0 L for nev growth from slashe		
For weed control prior	vulgare), Volunteer	QLD Only		Use the Higher Rate where broadleaf weeds reach stem elongation/	harvest		only		ubble	For slashed stubble and spring regrowth apply when regrowth is at least	
to sowing a summer or winter crop or in a fallow	cereals, Wild Oats <i>(Avena fatua)</i> Barnyard Grass <i>(Echinochloa crus-galli)</i> ,	-	700 mL - 1.4 L	budding or where grasses are fully tillered. At more advanced stages certain broadleaf weeds may require the					2-1.6 L for standing		
	Liverseed grass (Urchloa spp.),		700 112 - 1.4 E	higher rate range or the addition of 2,4-D. In winter (cold) conditions, symptoms on Deadnettle may be slow				gr	een stubble	regrowth of at least 20 cm if grazing has occurred. Use the Lower Rate for knockdown and regrowth suppression where	
	Lovegrass/Stink Grass (Eragrostis curvula),			to develop. If weeds have been grazed heavily remove stock prior to spraying					0 mL-1.2 L for frea ring regrowth	sh cultivation is to follow. Use the Higher Rate for better control of regrowth.	
	Sweet summer grass, Volunteer Sorghum <i>(Sorghum halepense)</i>			to ensure regrowth to 6-8 cm before treatment and use the higher rate.					ing rogional	It is important to note that variable results can occur if the crop has been under stress or grown under marginal conditions. The varieties Ruby, Trur	
	Aust Bluebell (QLD only),	1	700 mL - 1.0 L	Liverseed Grass and Barnyard Grass may be very sensitive to						Nugget 2, Goldrush 2 and Prize are particularly susceptible if growing	
	(Wahlenbergia gracilis), Cudweed (Gnaphalium luteo-album),			moisture stress. Dense stands may require re-treatment.						conditions are not ideal. CAUTION: Sorghum may be naturally toxic to stock.	
	Fumitory (Fumaria officinalis), Mexican Poppy (Argemone ochroleuca),			For aerial application see General Instructions. Do not apply by air if temperature is over 30°C.	ANNUAL WEEDS - FOR ALL STATE	S				· ·	
	Mintweed (Salvia reflexa), New Zealand Spinach			*Larger plants (>5 cm) of Noogoora Burr, Variegated Thistle and Volunteer Sunflower may require up to 1.3 L/ha to achieve control.	WEEDS CONTROLLED		RA	TE	CRITICAL CO	OMMENTS	
	(<i>Tetragonia tetragonoides</i>), * Noogoora Burr (<i>Xanthium pungens</i>),			Crop Establishment: Sowing should not proceed until conditions allow for formation of a satisfactory seedbed.	ould not proceed until conditions Amaranth (Amaranthus spp.),					to plants which are actively growing and not suffering stress. wer Rate for weeds up to 15 cm and the Higher Rate for weeds over 15cm.	
	Saffron Thistle (Carthamus lanatus),			See Crop Establishment for directions.	Barnyard Grass (Echinochloa crus) Brome grass (Bromus spp.)			-2.1 L/ha NDGUN	* The effects of the product may take 3-7days to appear under normal conditions and up to days in cool conditions.		
	Spear Thistle <i>(Circium vulgare)</i> , Spurge <i>(Euphorbia spp.)</i> ,			Sowthistle: previously grazed plants may be difficult to control without allowing full recovery.	Caltrop (Tribulus terrestris),		350	0-490 mL	* NO residua	I control will be provided by this product.	
	* Variegated Thistle <i>(Silybum marianum)</i> , *Volunteer sunflower,				Canary Grass (Phalaris spp.), Capeweed (Arctotheca calendula),			100 L		s after initial treament may have to be resprayed. control the product should be tank-mixed with a suitable residual herbicide.	
	Yellowvine/Caltrop (Tribulis terrestris), Wireweed (Polygonum aviculare)				Cereals - volunteer (barley, wheat Chickweed (Stellaria media),	s, oats, sorghum),	50-	APSACK -70 mL			
	Boggabri weed (Amaranthus macrocarpus),	-	350-700 mL	—	Cobbler's Peg (Bidens pilosa), Fumitory (Fumaria officinalis, F. m	uralis).	per	15 L			
	Caltrop (<i>Tribulis terrestris</i>), Indian Hedge Mustard (<i>Sisymbrium orientale</i>), Mintweed (<i>Salvia reflexa</i>), Summer grass (<i>Digitaria ciliaris</i>)		up to 3 cm in height diameter or up to 5		Ground Cherry (Physalis angulatis) Lesser Swinecress (Coronopus did),					
			leaves		Liverseed grass (Urchloa panicoide						
			700 mL - 1.0 L grea	ter	Paradoxa grass (Phalaris paradoxa	Mintweed <i>(Salvia reflexa)</i> , Paradoxa grass <i>(Phalaris paradoxa)</i> ,					
			than 3 cm in height or diameter or 5 tru		Paterson's Curse/Salvation Jane (Pigweed (Portulaca oleracea),	Echium plantagineum)					
	Annual Organized Objection	_	leaves.		Potato Weed (Galinsoga parviflora, Ryegrass – annual (Lolium rigidur						
	Annual Ground Cherry (Physalis angulata),		700 mL - 1.0 L prio stem elongation/but		Saffron thistle (Cathamus lanatus) Silvergrass (Vulpia spp.),						
	Bladder Ketmia, Sowthistle <i>(Sonchus oleraceus)</i> ,		0R 1.0 - 1.3 L after ste	n	Sow thistle (Sonchus oleraceus),						
	Turnip Weed (Rapistrum rugosum), Wild Lettuce (Lactuca saligna),		elongation/budding		Spear thistle <i>(Circium vulgare)</i> , Spiny burr grass <i>(Cenchrus spp.)</i> ,						
	Wild Turnip <i>(Brassica tournefortii)</i>				Spurge (Euphorbia spp.), Sub clover (Trifolium subterraneur	n).					
STURE RENOVATION AN	1				Wild Mustard (Sisymbrium officinal Wild Oats (Avena fatua).	ale),					
ITUATION	WEEDS CONTROLLED	QLD,	RATE L/ha	CRITICAL COMMENTS	Wild Turnip <i>(Brassica tournefortii)</i> , Winter grass <i>(Poa annua)</i> ,						
Pasture with Poa Tussock present as a weed.			Ŷ,	Before spraying *graze heavily	Variegated Thistle <i>(Silybum maria</i>)	num)					
or pasture renovation		ACT, VIC TAS only		*remove stock 14 days or more before treatment *apply after autumn break when plants are actively growing but before	PERENNIAL WEEDS						
				frosts begin (March-May). Increasing to the higher rate may give more effective reductions.	WEEDS CONTROLLED	STATE	A	APPLICATION R	ATES	CRITICAL COMMENTS	
				Sowing of new pasture may begin 14 days after application. It is essential that correct follow-up pasture establishment and management			BOOM L/ha	HANDGUN VOL/100 L	KNAPSACK VOL/15 L		
				occurs after treatment.	Bamboo	All States	-	700 mL	100 mL	Apply to actively growing foliage and/or regrowth which is between 1 and 2 m	
				Spot treatment will limit re-infestation. May be aerially applied.	(<i>Bambusa</i> spp.)					Cut stump - dilute the product 1:6 ie 1 part RAPID FIRE 510 SL to 6 parts wate stems back 20 cm high, pour mixture down hollow stem or paint the cut.	
	Annual weeds (see Annual Weeds table) and		1.8 L	Apply late spring when seed heads have developed but before the onset	Bent Grass	Vic, Tas only	1.8 L	350 mL	50 mL	Apply to plants which have some seed-head development late in the spring.	
present as a weed. For control/ suppression	Bent Grass (Agrostis tenuis)	only		of summer moisture stress. Remove stock prior to spraying to achieve good foliage cover.	(Agrostis capillaris)					Plants must be actively growing. It is necessary to follow-up spraying with full soil disturbance within 21 days and then plant to a summer crop and/or re-ser	
of Bent Grass before sowing a crop or pasture				Ensure plants are actively growing. 10-21 days after spraying fully disturb soil with a tyned implement and						pasture or crop in autumn.	
0				then sow summer crop and/or re-seeded pasture or crop the following autumn.	Blady Grass (Imperata cylindrica)	NSW, ACT, Qld only	6.3 L	900 mL	140 mL	Apply to actively growing plants when most plants have reached the head stag	
Pasture	Annual Ryegrass (Lolium rigidum),	NSW,	330 mL	Use the Higher Rate for heavy infestation or where annual ryegrass is	Bracken (<i>Pteridium esculentum</i>)	All States	-	1.0 L	160 mL	 For best control Wiper application is recommended. 	
Topping for the reduction of seed set of annual	Calomba daisy (Pentzia suffruticosa)	ACT, VIC, SA, WA,		present. Apply before "haying off". Annual Ryegrass and Capeweed - Apply at Flowering.						 Bracken should be slashed in the previous Winter/ Spring so that application made to new growth. 	
grasses, Capeweed and Calomba daisy	Barley Grass <i>(Hordeum leporinum)</i> , Brome grass <i>(Bromus unioloides)</i> ,	TAS only	210-330 mL	Other Weeds - Apply at head to milky dough stage. Stock should be removed before spraying to allow regrowth.						 Apply to actively growing fully unfurled fronds in Autumn (March - May) befo the onset of frost. 	
calomba daisy	Capeweed (Arctotheca calendula), Silvergrass (Vulpia spp.)			Pasture legumes may be affected. Do not apply to medic/clover crops to be used for hay or seed. Apply a maximum of 50 L/ha water. Above this						*Symptoms may be very slow to appear. *Follow-up treatment is recommended as control will NOT be achieved after o	
				water volume add a non-ionic surfactant.						treatment.	
Pasture manipulation for the	Carpet Grass <i>(Xonopus spp.)</i> , Kikuyu <i>(Pennisetum clandestinum)</i> ,	WA, NSW,	1.0-4.2 L	Apply the Lower Rate for suppression only. The Higher Rate will provide control.	Carpet grass (Axonopus spp.)		2.1 L	350 mL	50 mL	Apply to actively growing plants at early head stage.	
control/suppression of	Paspalum (Paspalum dilatatum)	ACT, VIC		Leaucana - (QLD ONLY)	Cocksfoot (<i>Dactylis glomerata</i>)		2.1 L	500 mL	70 mL	Apply to actively growing plants at early head stage.	
certain grasses before sowing soybeans, forage	Carpet Grass, Paspalum	QLD only	1.0-4.2 L	Rows should be 4 m apart. Use 1.8 L/ha with single taper fan nozzle LFI- 80 mounted at the rear of a single row planter giving a 1 m swath.	Couch (Cynodon dactylon)	All States	6.3 L	900 mL	130 mL	Apply to actively growing plants when most plants are at the early head stage best results in WA and SA apply in Oct-November.	
crops or Leucaena	Kikuyu		440 mL-4.2 L	-	Flat Weed /Cat's Ear	All States	2.1 L	500 mL	70 mL	Apply at early flower stage to fully developed rosettes.	
	Black spear grass (Hederopogon contortus),	_	2.1 L		(Hypochoeris radicata) Guinea Grass	All States	6.3 L	900 mL	130 mL	Apply to actively growing plants at early head stage. May be applied by Wiper	
	Wire grasses (Aristida spp.), Love Grasses (Eragrostis spp.),				(Panicum maximum)	All States	0.3 L	900 IIIL	130 IIIL	equipment.	
	Red Natal Grass (<i>Rhynchelytrum repens</i>), Barbed Wire Grass (<i>Cymbopogon refractrus</i>)				Hoary Cress (Cardia draba)	NSW, ACT, Tas, VIC	1.0 L	350 mL	50 mL	Apply late July to early September to actively growing plants at the late rosett flowering stage. Ensure plants are not stressed at time of spraying. Where ste	
JGAR CANE (RATOON CO	NTROL) FOR QLD AND NSW ONLY			1		only				are long enough wiper equipment may be used.	
SITUATION	VARIETY	RATE /ha	a CRITICAL CO	MMENTS	Johnson Grass	All States	4.2 L	700 mL	100 mL	TAS: Add a non-ionic surfactant at the recommended rate. Apply to actively growing plants at early head stage. May be applied by Wiper	
Sugar Cane	Q63, Q87, Q90, Q102, Q117, Q120, Q129,	2.1-2.8 L	Apply when ra	toons are actively growing and are 60-100 cm tall. DO NOT apply if plants	(Sorghum halepense)			700 IIIL	TOUTIL	equipment to Johnson Grass.	
	Q130, H56-752, Pindar, Triton	2.8-3.5 L	Use the Lowe	ss from water logging or low moisture. Rate for suppression or when control by cultivation is planned. Use the	Kangaroo Grass (Themeda australis)						
		∠.8-3.5 L	Higher Rate fo	r control. Boom height must allow for correct overlap of the spray pattern he crop canopy.	Kikuyu (Pennisetum clandestinum		4.2 L	700 mL	100 mL	Apply to actively growing plants.	
	Q86, Q96, Q113 Cassius, Q115, Q122, Q94	3.5-4.21			Lovegrass - African <i>(Eragrostis curvula)</i>	ACT, WA	7.4 L	700 IIIL	TOUTIL	To restrict seedling re-establishment pasture improvement is recommended.	
	Q86, Q96, Q113 Cassius, Q115, Q122, Q94 NC0310, Q107	3.5-4.2 L 4.2-6.3 L				only All States	4.2 L	700 mL	100 mL	Non cultivated situations: Apply to actively growing plants in February – Apri	
Ratoon Control	Cassius, Q115, Q122, Q94 NC0310, Q107				Nutgrass (Cyperus rotundus)		A COLORED IN COLORED INCOLORED IN COLORED INCOLORED IN COLORED INCOLORED INC	700 IIIL			
Ratoon Control	Cassius, Q115, Q122, Q94 NC0310, Q107			IMENTS	Nutgrass (Cyperus rotundus)		2.1 L	500 mL	70 mL		
ICE DIRECT DRILLING FO	Cassius, Q115, Q122, Q94 NC0310, Q107 R NSW ONLY WEEDS CONTROLLED Annual Ryegrass (Lolium rigidum),	4.2-6.3 L	a CRITICAL CO mL If plants are d	rought stressed a pre watering must be applied. If the site has been grazed	Nutgrass (Cyperus rotundus)		+	+	70 mL +	Cultivated Situations: Make first application when at least 20% of plants hav reached early head stage (about Feb). Make the second application when mos	
Ration Control CE DIRECT DRILLING FO SITUATION Rice	Cassius, Q115, Q122, Q94 NCO310, Q107 R NSW ONLY WEEDS CONTROLLED Annual Pyegrass (Lolium rigidum), Annual Phalaris (Phalaris canariensis), Barley Grass (Hordeum leporinum),	4.2-6.3 L	a CRITICAL CO mL If plants are d allow plants to For the contro	ought stressed a pre watering must be applied. If the site has been grazed regrow to 6-8 cm before treatment. I of Annual Ryegrass use the higher rate and add BS1000 at 200 mL/100 L			2.1 L + 2.1 L	+ 500 mL	70 mL + 70 mL	Cultivated Situations: Make first application when at least 20% of plants hav reached early head stage (about Feb). Make the second application when mos plants have re-emerged (about 6-8 weeks after first application). Follow up treatment may be necessary as further plants emerge.	
Ratoon Control ICE DIRECT DRILLING FO SITUATION Rice	Cassius, Q115, Q122, Q94 NCO310, Q107 R NSW ONLY WEEDS CONTROLLED Annual Ryegrass (<i>Lolium rigidum</i>), Annual Phalaris (<i>Phalaris canariensis</i>), Barley Grass (<i>Hordeum leporinum</i>), Burr Medic (<i>Medicago spp.</i>), Sub Clover (<i>Tirfolium subterraneum</i>),	4.2-6.3 L	M CRITICAL CO mL If plants are d allow plants tr For the contro of spray soluti Crop Sowing-	ought stressed a pre watering must be applied. If the site has been grazed regrow to 6-8 cm before treatment. of Annual Ryegrass use the higher rate and add BS1000 at 200 mL/100 L on. Sow 1-14 days after treatment. Residual control will only be achieved by	Pampas Grass		+	+ 500 mL 700 mL or	70 mL + 70 mL 100 mL or	Cultivated Situations: Make first application when at least 20% of plants hav reached early head stage (about Feb). Make the second application when mos plants have re-emerged (about 6-8 weeks after first application). Follow up treatment may be necessary as further plants emerge. Apply in spring, summer or autumn to actively growing plants. Ensure complete	
Ratoon Control CE DIRECT DRILLING FO SITUATION Rice Direct Drilling	Cassius, Q115, Q122, Q94 NC0310, Q107 R NSW ONLY WEEDS CONTROLLED Annual Phalaris (<i>Chalaris canariensis</i>), Barley Grass (<i>Hordeum leporinum</i>), Burr Medic (<i>Medicago spp.</i>),	4.2-6.3 L	M CRITICAL CO mL If plants are d allow plants tr For the contro of spray soluti Crop Sowing-	rought stressed a pre watering must be applied. If the site has been grazed or gerow to 6-8 cm before treatment. of Annual Ryegrass use the higher rate and add BS1000 at 200 mL/100 L on.			+	+ 500 mL	70 mL + 70 mL	Cultivated Situations: Make first application when at least 20% of plants hav reached early head stage (about Feb). Make the second application when mos plants have re-emerged (about 6-8 weeks after first application). Follow up treatment may be necessary as further plants emerge. Apply in spring, summer or autumn to actively growing plants. Ensure comple coverage of the foliage. Best results are obtained if plants are sprayed at flowering. Use the lower rate	
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Ratoon Control ICE DIRECT DRILLING FO SITUATION Direct Drilling DRGHUM CONTROL SITUATION Sorghum control before	Cassius, Q115, Q122, Q94 Cassius, Q115, Q122, Q94 NCO310, Q107 R NSW ONLY WEEDS CONTROLLED Annual Ryegrass (Lolium rigidum), Annual Phalaris (Phalaris canariensis), Barley Grass (Hordeum leporinum), Burr Medic (Medicago spp.), Sub Clover (Trifolium subterraneum), Winter Grass (Poa annua) WEEDS CONTROLLED STATE Grain sorghum (Sorghum bicolor) NSW	4.2-6.3 L RATE /ha 700-900	A CRITICAL COI TML If plants are d allow plants to For the contro of spray soluti Crop Sowing- adding another Tha CI 1.3 L Dr	A comparison of the set of the se	Pampas Grass (Cortaderia spp.) Paragrass (Brachiara mutica)	All States All States All States	2.1 L - 6.3 L	+ 500 mL 700 mL or 900 mL 900 mL	70 mL + 70 mL 100 mL or 130 mL 130 mL	Cultivated Situations: Make first application when at least 20% of plants hav reached early head stage (about Feb). Make the second application when mos plants have re-emerged (about 6-8 weeks after first application). Follow up treatment may be necessary as further plants emerge. Apply in spring, summer or autumn to actively growing plants. Ensure comple coverage of the foliage. Best results are obtained if plants are sprayed at flowering. Use the lower rate plants under 1 m tall and the higher rate for larger plants. Plants may be cut p application but regrowth must be at least 1 m prior to spraying. Apply to actively growing plants at early head stage.	
Ratoon Control ICE DIRECT DRILLING FO SITUATION Rice Direct Drilling DRGHUM CONTROL SITUATION Sorghum control before	Cassius, Q115, Q122, Q94 NCO310, Q107 R NSW ONLY WEEDS CONTROLLED Annual Ryegrass (Lolium rigidum), Annual Phalaris (Phalaris canariensis), Barley Grass (Hordeum leporinum), Burr Medic (Medicago spp.), Sub Clover (Trifolium subterraneum), Winter Grass (Poa annua) WEEDS CONTROLLED STATE Grain sorghum QLD,	4.2-6.3 L RATE /ha 700-900 RATE /	A CRITICAL CO mL If plants are d allow plants tr For the contro of spray solut Crop Sowing- adding anothe //ha CI 1.3 L DI Io DI	A cought stressed a pre watering must be applied. If the site has been grazed regrow to 6-8 cm before treatment. of Annual Ryegrass use the higher rate and add BS1000 at 200 mL/100 L on. Sow 1-14 days after treatment. Residual control will only be achieved by r suitable herbicide. NTICAL COMMENTS 0 NOT apply to varieties intended for seed production or varieties prone to Iging. 0 NOT apply to crop under stress from factors such as waterlogging, frost, sease, low moisture etc.	Pampas Grass (Cortaderia spp.) Paragrass	All States All States All States	+ 2.1 L -	+ 500 mL 700 mL or 900 mL	70 mL + 70 mL 100 mL or 130 mL	Cultivated Situations: Make first application when at least 20% of plants hav reached early head stage (about Feb). Make the second application when mos plants have re-emerged (about 6-8 weeks after first application). Follow up treatment may be necessary as further plants emerge. Apply in spring, summer or autumn to actively growing plants. Ensure comple coverage of the foliage. Best results are obtained if plants are sprayed at flowering. Use the lower rate plants under 1 m tall and the higher rate for larger plants. Plants may be cut p application but regrowth must be at least 1 m prior to spraying.	
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Ratoon Control ICE DIRECT DRILLING FO SITUATION Rice Direct Drilling ORGHUM CONTROL SITUATION Sorghum	Cassius, Q115, Q122, Q94 Cassius, Q115, Q122, Q94 NCO310, Q107 R NSW ONLY WEEDS CONTROLLED Annual Ryegrass (Lolium rigidum), Annual Phalaris (Phalaris canariensis), Barley Grass (Hordeum leporinum), Burr Medic (Medicago spp.), Sub Clover (Trifolium subterraneum), Winter Grass (Poa annua) WEEDS CONTROLLED STATE Grain sorghum (Sorghum bicolor) NSW	4.2-6.3 L RATE /ha 700-900 RATE /	A CRITICAL CO mL If plants are d allow plants tr For the contro of spray solut Crop Sowing- adding anothe //ha CI 1.3 L DI Io DI A W US	orought stressed a pre watering must be applied. If the site has been grazed regrow to 6-8 cm before treatment. of Annual Ryegrass use the higher rate and add BS1000 at 200 mL/100 L on. Sow 1-14 days after treatment. Residual control will only be achieved by r suitable herbicide. NOT apply to varieties intended for seed production or varieties prone to Iging. NOT apply to crop under stress from factors such as waterlogging, frost, sease, low moisture etc. ply when grain moisture is less than 25%. The product can be applied ten some browning has occurred. e the Lower Rate for control of the crop, late tillers and ratoon regrowth.	Pampas Grass (Cortaderia spp.) Paragrass (Brachiara mutica) Paspalum (Paspalum dilatatum)	All States All States All States All States SA, VIC,	+ 2.1 L - 6.3 L 4.2 L	+ 500 mL or 900 mL 900 mL 700 mL	70 mL + 70 mL 100 mL or 130 mL 130 mL 100 mL	Cultivated Situations: Make first application when at least 20% of plants hav reached early head stage (about Feb). Make the second application when mos plants have re-emerged (about 6-8 weeks after first application). Follow up treatment may be necessary as further plants emerge. Apply in spring, summer or autumn to actively growing plants. Ensure complet coverage of the foliage. Best results are obtained if plants are sprayed at flowering. Use the lower rate plants under 1 m tall and the higher rate for larger plants. Plants may be cut p application but regrowth must be at least 1 m prior to spraying. Apply to actively growing plants at early head stage. Apply in winter-spring to actively growing plants. Use Lower Rate where only knockdown is required such as prior to burning for fire break. Burning should not take place for 2 - 3 weeks after spraying. The H	
Ratoon Control ICE DIRECT DRILLING FO SITUATION Rice Direct Drilling ORGHUM CONTROL SITUATION Sorghum control before	Cassius, Q115, Q122, Q94 Cassius, Q115, Q122, Q94 NCO310, Q107 R NSW ONLY WEEDS CONTROLLED Annual Ryegrass (Lolium rigidum), Annual Phalaris (Phalaris canariensis), Barley Grass (Hordeum leporinum), Burr Medic (Medicago spp.), Sub Clover (Trifolium subterraneum), Winter Grass (Poa annua) WEEDS CONTROLLED STATE Grain sorghum (Sorghum bicolor) NSW	4.2-6.3 L RATE /ha 700-900 RATE /	A CRITICAL CO TML If plants are d allow plants to For the contro of spray soluti Crop Sowing- adding anothe /ha CI 1.3 L Du di di US US US US US US US US US US	ought stressed a pre watering must be applied. If the site has been grazed regrow to 6-8 cm before treatment. I of Annual Ryegrass use the higher rate and add BS1000 at 200 mL/100 L on. Sow 1-14 days after treatment. Residual control will only be achieved by r suitable herbicide. INITICAL COMMENTS NOT apply to varieties intended for seed production or varieties prone to diging. NOT apply to crop under stress from factors such as waterlogging, frost, sease, low moisture etc. ply when grain moisture is less than 25%. The product can be applied lens some browning has occurred.	Pampas Grass (Cortaderia spp.) Paragrass (Brachiara mutica) Paspalum (Paspalum dilatatum)	All States All States All States All States SA, VIC, NSW, ACT only	+ 2.1 L - 6.3 L 4.2 L 2.1 or	+ 500 mL or 900 mL 900 mL 700 mL 350 mL or	70 mL + 70 mL 100 mL or 130 mL 130 mL 100 mL	Cultivated Situations: Make first application when at least 20% of plants hav reached early head stage (about Feb). Make the second application when mos plants have re-emerged (about Feb). Make the second application). Follow up treatment may be necessary as further plants emerge. Apply in spring, summer or autumn to actively growing plants. Ensure complet coverage of the foliage. Best results are obtained if plants are sprayed at flowering. Use the lower rate plants under 1 m tall and the higher rate for larger plants. Plants may be cut p application but regrowth must be at least 1 m prior to spraying. Apply to actively growing plants at early head stage. Apply to actively growing plants at early head stage. Apply in winter-spring to actively growing plants. Use Lower Rate where only knockdown is required such as prior to burning for	

FLAT SIZE: 504 MM WIDE X 339 MM DEEP

WEEDS CONTROLLED	STATE	APPLICATION RATES			CRITICAL COMMENTS	
		BOOM L/ha	HANDGUN VOL/100 L	KNAPSACK Vol/15 L		
Prairie Grass (Bromus unioloides), Old Blue Grass (Dichanthium sericeum), Red-leg Grass (Bothriochloa ambigua), Rhodes Grass (Chloris gayana)	All States	4.2 L	700 mL	100 mL	Apply to actively growing plants at the early head stage.	
Rope Twitch (Agropyron repens)	Tas, Vic only	4.2 L	700 mL	100 mL	Apply in late summer-autumn to actively growing plants with foliage at least 20 cm high. To ensure maximum shoot emergence the area should NOT be cultivated in the period from the preceding Winter until the time of spraying.	
Sorrel (Rumex acetocella)	All States	4.2 L	700 mL	100 mL	Apply to actively growing plants when the majority of plants are at the early bud stage.	
Soursob (Oxalis pescaprae)	NSW, ACT, VIC, TAS, WA, SA only	1.0 L	350 mL	50 mL	Apply to actively growing plants late July to early September prior to plant senescence (yellowing). Ensure plants are not stressed at time of application. If plants have been grazed or frosted allow regrowth before treatment.	
St.John's Wort (Hypericum perforatum)	All States	2.1 L	350 mL	50 mL	Apply to actively growing plants at flowering to post flowering, procumbent stem stage (about Nov-May). Pasture improvement or re-treatment may be necessary to prevent seedling re- establishment.	
Thistle - Artichoke (Cynara cardunculus)	SA, VIC only	2.1 L	350 mL	50 mL	Apply when plants are at the rosette to early head stage.	
Thistle - Californian <i>(Circium arvense)</i>	Vic, Tas only	4.2 L	350 mL	50 mL	Apply to actively growing plants at the flowering stage. To ensure maximum shoot emergence the area should not be cultivated prior to spraying. Re-treatment and/or pasture improvement may be necessary to restrict seedling re-establishment.	
Yorkshire Fog (Holcus lanatus)	All States	2.1 L	500 mL	70 mL	Apply to actively growing plants at the early head stage.	

BRUSH AND WOODY WEEDS

WEEDS CONTROLLED	STATE	R#	TE	CRITICAL COMMENTS		
		HANDGUN VOL/100 L	KNAPSACK VOL/15 L			
Bitou Bush/ Boneseed (Chrysanthemoides monilifera)	NSW, ACT, QLD, VIC, TAS only	350 mL or 700 mL	50 or 100 mL	Apply to actively growing plants. DO NOT treat plants which are stressed, particularly drought stressed. Spray to wet all foliage. Best results are achieved when treated during the winter at peak flowering time. Use the higher rate on larger bushes. Follow-up treatment may be required to prevent the establishment of germinating weeds.		
Blackberry (Rubus fruticosus)	All States	700 mL or 900 mL	100 or 130 mL	Apply from January to May (flowering to leaf fall). Spray plants which are not under stress to thoroughly wet all foliage. Use the Higher Rate for dense, old stands over 2m high. Further treatment may be needed to control seedlings and regrowth. Symptoms may be slow to appear and may not be apparent until next season. TAS ONLY- Do not spray bushes bearing mature fruit.		
Box Thorn (Lycium ferocissium)	All States	500 mL or 700 mL	70 or 100 mL	Spray to wet all foliage. Use the lower Rate for young bushes and the Higher Rate for bigger mature bushes. DO NOT spray if conditions are hot and dry. Regrowth and seedling germination may have to be retreated.		
Crofton Weed <i>(Eupatorium adenophorum)</i>	NSW, ACT, QLD only	350 mL	50 mL	Apply to plants with full foliage which are actively growing. Spray to wet all foliage. Seedling germination may have to be retreated.		
Groundsel Bush (Baccharis halimifolia)	QLD, NSW, ACT only	500 mL or 700 mL	70 -100 mL	Apply to actively growing plants using the higher rate for plants over 2 m tall. DO NOT spray during summer drought stress conditions or in winter. Spray to wet all foliage. Seedling germination may have to be re-treated.		
Hawthorn <i>(Crataegus spp.)</i>	NSW, ACT, VIC, TAS, WA, SA only	700 mL- 900 mL	100-130 mL	Spray from flowering to leaf fall when plants are actively growing. Use the higher rate for plants over 2 m tall. Spray to thoroughly wet all foliage. Seedling regrowth may have to be retreated.		
Lantana <i>(Lantana camara)</i>	NSW, QLD only	700 mL	100 mL	Apply to plants with full foliage which are actively growing. Spray to thoroughly wet all foliage and individual plants. Seedling regrowth may have to be retreated.		
Mistflower <i>(Eupatorium riparium)</i>	NSW, ACT, QLD only	350 mL	50 mL	Apply to plants with full foliage which are actively growing. Spray to thoroughly wet all foliage. Seedling regrowth may have to be retreated.		
Sifton Bush/ Chinese Scrub (Cassinia arcutata)	NSW, ACT, QLD only	700 mL- 900 mL	100 or 130 mL	Apply to actively growing plants ensuring complete coverage. Seedling regrowth may have to be retreated. For high volume application use the higher rate when bushes are over 1 m. For Wiper application a double pass application is required. Best results are achieved if bushes are less than 1m tall and are green at time of application.		
Sweet Briar (Rosa rubiginosa)	NSW, ACT, VIC, TAS, WA, SA only	1.0 L or 1.3 L	160 or 210 mL	Apply from late flowering to leaf fall to actively growing plants. Spray to thoroughly wet all foliage. Use the Higher Rate for bushes over 1.5 m tall. Seedling regrowth may have to be retreated.		

AOUATIC WEED CONTROL

Reduction in effectiveness may result if more than 1/4 of the aboveground portion of the weed is submerged at treatment. Submerging the treated plants following treatment may result in the spray being washed from the plant surface, thus reducing effectiveness.

DO NOT apply this product within 0.5 km of potable water intake in flowing water (eq. river or steam), or within 0.5 km of a portable water intake in a standing body of water such as a lake. bond or repervoir. Applications to moving bodies of water should be made while travelling upstream whenever possible to prevent concentration of this herbicide in wate When making bankside application, DO NOT overspray more than 0.5 m into open water. Avoid spraying across moving bodies of water where weeds do not exist.

DO NOT ADD EXTRA SURFACTANT/WETTER. UNLESS IT IS APPROVED IN AQUATIC SITUATIONS.

When spraying floating weeds, use a low volume, low pressure boom sprayer or sprinkler sprayer. DO NOT submerge weeds when spraying as this may wash herbicide off the leaves. When emerged infestations require treatment of the total surface area of impounded water, treating the area in strips may avoid sudden impact on habitat.

WEEDS CONTROLLED STATE		A	PPLICATION RATE	S	CRITICAL COMMENTS	
		BOOM L/ha	HANDGUN VOL/100 L	KNAPSACK Vol/15 L		
Alligator Weed	All States	4.2 L	700 mL	110 mL	Apply when actively growing, from Summer through Winter. Floating form only.	
Brown beetle grass	NSW, ACT only	2.1 L	350 mL	55 mL	Apply to active growing plants. Do not apply to partially submerged plants.	
Cumbungi (<i>Typha</i> spp.)	All States	6.3 L	900 mL	140 mL	Spray during Summer or Autumn period during the heading stage. Except for Tasmania, Wiper equipment can be used. Refer to Information on Application Equipment Section of the label.	
Paragrass (Brachiara mutica)	All States	6.3 L	900 mL	140 mL	Spray at early head stage when plants are in active growth.	
Phragmites Common Reed <i>(Phragmites australis)</i>	All States	6.3 L	900 mL	140 mL	If the Wiper technique is to be used, refer to "Wiper Equipment" section in this booklet. Spray when plants are getting close to early head stage and actively growing. Spray symptoms may not be observed for a season or more.	
Rushes (Juncus spp.)	All States	S	ee Critical Commen	its	Use Wiper technique ensuring a high percentage of green matter is present. Refer to	
Sedge - Tall <i>(Cyperus gracilis)</i>	NSW, ACT, Tas, Vic only				section of this booklet entitled "Wiper Equipment" for directions of use.	
Water Couch (Paspalum distichum)	All States	6.3 L	900 mL	140 mL	Spray actively growing plants in February/March period. 75% of plants should be visible above the water line at time of spraying.	
Water Hyacinth	All States	4.2 L to 6.3 L	700 mL to 900 mL	110 mL to 140 mL	Apply when actively growing and at or beyond the early bloom stage of growth. Use the higher rate on dense infestations.	
Water lettuce	All States	-	700 mL to 900 mL	110 mL to 140 mL	Best results are obtained from mid-summer through to winter. Use the high rate on dense infestations.	
Waterlily, Yellow	All States	4.2 L	-	110mL	Apply when there is a maximum emergence of floating leaves. Allow 2-3 weeks for symptoms, then retreat any unaffected plants. Use low volume sprayer.	

FOLDS TO: 84 MM WIDE X 113 MM DEEP

SITUATION	WEEDS CONTROLLED	RATE	CRITICAL COMMENTS		
Agricultural areas	See Weeds Controlled Table for Annual and Perennial Weeds and Brush and	See Weeds Controlled tables	For the control of weeds listed in "Weeds Controlled" prior to		
Domestic areas, Commercial and Industrial Areas, Public Service Areas, Rights of Way	Woody Weeds	7mL per litre of water	Ensure weeds are actively growing at time of application. Complete and uniform coverage is necessary to ensure the Symptoms may take 3-21 days to appear NO residual contro		
Forestry Situations		See Weeds Controlled tables	The product may be used: 1. In site preparation before planting. 2. Before establishment of nurseries. 3. Amongst established trees by using selective wiper equip shielded spray. The product must NOT contact foliage or gre trees. The wiper should not contact any part of the tree.		
HORTICULTURAL CROPS Avocado, Bananas, Blueberries, Citrus fruits, Custard Apple, Duboisia, Figs (Dessert), Guava, Kiwifruit, Litchi, Mango, Monstera, Nuts (Almond, Pecan, Macadamia, Pistachio, Walnut), Olives, Paw Paw, Persimmon, Pome Fruit, Stone Fruit, Raspberries, Tea, Vineyards.	See Weeds Controlled Table for Annual and Perennial Weeds and Brush and Woody Weeds	See Weeds Controlled tables	The product can be used as a shielded or directed spray, or D0 N0T apply near trees or vines less than 3 years old unle protected from spray and spray drift. D0 N0T allow spray or spray drift to contact bark, leaves, w plant parts as severe injury may occur. Tea - Apply a maximum of 2.8 L/ha by a shielded spray or a nozzle or 0.35 L/100 L by directed handgun or knapsack to		
Pasture	See Weeds Controlled Table for Annual and Perennial Weeds and Brush and Woody Weeds	See Weeds Controlled tables	The product may be used by the following methods: * Spot application - To remove weeds by spot application wi product is non-selective and may damage or kill any plant in prevent seedling re-establishment pasture improvement and be necessary. * Boom application - This product may be used to suppress prior to reseeding or establishment of other crops. * Selective application - See Wiper equipment under Genera		
Peanuts, Cotton, Soybeans & Sugar Cane (USING SELECTIVE APPLICATION EQUIPMENT ONLY) QLD, NSW ONLY	See Weeds Controlled Table for Annual and Perennial Weeds and Brush and Woody Weeds	See Weeds Controlled tables	WIPER EQUIPMENT Apply to the weeds growing between the rows or to weeds g above the crop. DO NOT allow the herbicide to contact the c applicator as serious crop injury may occur. SHIELDED SPRAYER (Cotton only) Apply to the weeds growing between the rows using a shiel apply unless the crop is at least 20 cm high. DO NOT allow I contact crop.		

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

WITHHOLDING PERIOD: NOT REQUIRED WHEN USED AS DIRECTED

GENERAL INSTRUCTIONS

Mode of Action ProForce RAPID FIRE 510 SL Herbicide is a water soluble liquid herbicide. The product is non-selective and will control a wide range of emerged annual and perennial weeds. It provides no residual activity and is inactivated once it comes into contact with the soil. The product is absorbed by plant leaves and green stems and is then translocated throughout the plant to the root system.

The product inhibits a plant enzyme causing a breakdown in the metabolic pathway leading to death of the plant.

Visual effects of product efficacy are gradual wilting, yellowing leading to complete plant browning. For annual weeds effects are usually apparent in 3-7 days and for perennial weeds up to 14-21 days. The time taken for these effects to appear will vary depending on the speed of translocation which will be dependent on climate conditions such as temperature, moisture conditions etc. Best results are obtained if plants are sprayed when they are actively growing and not under any stress from such factors as disease, waterlogging, insect damage, drought stress etc.

Rain within 1 hour of application which causes run-off may require retreatment. Rainfastness is reduced if weeds are not actively growing, under stress or conditions if low light intensity/darkness. The addition of Wetter TX may improve rainfastness on winter annual weeds

Plants which are covered in dust or which are wet with dew should not be treated.

Crop Establishment - Where the product is used to control weeds prior to the establishment of a new crop or pasture it is important that the crop or pasture not be sown until a suitable seed bed is present. Where a light cover of seedling annual weeds has been spraved, it may be possible to sow after 1 hour of daylight after application. Where a large amount of dead weed matter or trash is present the seed bed needs to be adequately prepared before crop or pasture sowing.

MIXING AND APPLICATION

RAPID FIRE 510 SL may be applied by boom spray, air, knapsack, handgun or wiper application.

Boom Application

Spray volumes of 25-100 L water /ha are recommended with a fan nozzle at pressures of 240-280 kPa. Boom height must be set to ensure double overlap of spray patterns at the top of the weed canopy.

Wiper Equipment (eg ropewick, canvas, carpet or felt applicators) May be used to apply the product in the situations as per the directions for use table. Weeds should be at least 15 cm above the crop and the wiper equipment should be operated at least 10 cm above the crop. Best results are obtained with lower speeds of application (DO NOT exceed 8 kilometers per hour) and where two applications are made in opposite directions ie double pass. Where herbicide does not contact foliage (due to different levels of foliage) results may not be satisfactory and retreatment may be required. DO NOT store a mixed solution for more than 2 days. Rate: 700 mL of product to 2 litres of water.

Aerial Application

Apply a minimum spray volume of 20 L/ha for Micronair and boom equipment. Use nozzles designed to deliver a MEDIUM-COARSE spray guality (ASAE S572) and the swath width 15 -17 metres. Aerial application is only recommended in pasture or fallow situations before establishment of a new crop or pasture or in pre-harvest sorghum. On sloping ground, the spraying height may vary, so it is recommended that the spray volume be increased to 30-80 L/ha using settings to produce a COARSE spray quality (ASAE S572).

Since the product is non-selective it is important to avoid spraying in conditions likely to cause drift, eg. wind over 8 kph, temperature inversion, still air and hot dry days.

DO NOT use in intensive horticultural areas Use recommended rates specified in this label up to maximum limit of

2.8 L/ha.

Application in hot conditions: When the temperature reaches 25°C increase the water volume to at least 30 L/ha and increase medium droplet diameter to deliver a COARSE spray quality (ASAE S572) to compensate for additional evaporation of spraved droplets. DO NOT use by air in temperatures above 30°C.

SURFACTANT

The addition of surfactant may improve weed control where water rates are high or product rates are low. Suggested surfactant rates are 200 mL/100 L of 1000 g/L non-ionic surfactant or 250-500 mL of 700 g/L surfactant. DO NOT add spraving oils, agricultural chemicals or any other material except as directed on the label.

MIXING

When the product is to be mixed with water it is important that clean water be used. Dirty water or hard water containing calcium salts may reduce the product's effectiveness. The following procedure for mixing should be followed:

- 1. Ensure spray tank is clean and that previous chemicals used are washed from the tank. 2. Half fill the tank with clean water, add the required amount of RAPID
- FIRE 510 SL.
- 3. Add the rest of the water
- 4. Add surfactant last.

COMPATIBILITY

The product may be mixed with a variety of products to enhance weed control, to broaden the spectrum of weeds and to add residual control. Refer to the "Directions for Use" Section for detailed information on the tank mix situations.

Additives: Liase assists in minimising antagonism when mixed with flowable Triazine herbicides.

Herbicides: Hi-Load* Atrazine 600, Atradex*, Atragranz* (see additives above - DO NOT apply the tank mix for control of Barnyard Grass or Liverseed Grass), Simazine Flowable, Simagranz*, Diurex, Dicamba, Ester 800, LV Ester 600, LV Ester 680, Express*, Garlon*, chlorsulfuron, metsulfuron, Yield*, Stomp*, Triasulfuron, Polo* LVE, Thistlekillem*, Striker*, Trifluralin 480, Cobber* 475, Hammer*, Associate* Striker*: The addition of Striker at 75 mL/ha to recommended rates of this product prior to planting Wheat or Barley will improve knockdown and increase the speed at which treated weeds develop visible symptoms of phytotoxicity.

Insecticides: Chlorpyrifos, dimethoate, fenitrothion, Le-Mat*, metasystox, Sumithion*. Perfekthion EC 400*.

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wounds or any other r a directed off centre to avoid injury to the crop

within a pasture. This n the sprayed area. To d/or retreatment may

s or kill existing pasture ral Instructions.

growing at least 15 cm rop or to drip from the

lded sprayer. DO NOT herbicide or drift to



ndigo Speciality Products ABN 15 631 459 660 Unit 3 / 2 Ant Road, Yatala Qld 4207 Ph: 0402 725 887

APVMA Approval No.: 64362/122760

EQUIPMENT MAINTENANCE AND USAGE

RAPID FIRE 510 SL should ONLY be stored, mixed or applied in plastic or plastic lined, stainless steel, aluminium, copper, brass or fibreglass containers. The product and spray solutions react with galvanised steel and unlined steel tanks and containers to form hydrogen gas which may form a highly combustible gas mixture. This gas could cause an explosion if ignited by an open flame. All application equipment including tanks, nozzles, hoses, aircraft and aircraft landing gear, should be thoroughly washed after use to prevent corrosion.

RESISTANT WEEDS WARNING

ProForce RAPID FIRE 510 SL Herbicide is a GROUP M HERBICIDE member of the Glycine group of herbicide.



RAPID FIRE 510 SL has the inhibitor of EPSP synthase mode of action. For weed resistance management RAPID FIRE 510 SL is a Group M Herbicide. Some naturally occurring weed biotypes resistant to RAPID FIRE 510 SL and other Group M 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 RAPID FIRE 510 SL or any other Group M herbicide.

Since the occurrence of resistant weeds is difficult to detect prior to use. Indigo Specialty Products Pty Ltd accepts no liability for any losses that may result from the failure of RAPID FIRE 510 SL to control resistant weeds.

PRECAUTION

DO NOT store, mix or apply the product or spray solutions in unlined steel or galvanised containers as a highly flammable gas may form. Use stainless steel, brass, coppers, aluminium, plastic or plastic lined, fibreglass containers or spray tanks.

PROTECTION OF CROPS. NATIVE AND OTHER NON-TARGET PLANTS

This product is non selective and may severely injury or kill desirable plants should the product contact the foliage, green stems or fruit of such

DO NOT spray under meteorological conditions or under spraying conditions which could be expected to cause spray to drift onto nearby susceptible plants, adjacent crops, crop lands or pasture. DO NOT use prior to transplanting tomato seedling.

PROTECTION OF LIVESTOCK

There is no withholding period for this product, but removal of stock may be necessary to achieve efficacy. It is recommended that stock be removed from the area to be treated and only allowed to return 1 day after treatment of annual weeds and 7 days after treatment of perennial weeds. Certain plants (eg Soursob, Variegated Thistle) may be naturally toxic to stock. Where known toxic plants are present. DO NOT allow stock to graze until complete browning of treated plants has occurred.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

DO NOT contaminate dams rivers or streams with the chemical or used containers. When controlling weeds near water, refer to label directions to minimise the entry of spray into the water

AUTION



STORAGE AND DISPOSAL (20 L only)

Store in the closed, original container in a 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 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

STORAGE AND DISPOSAL (110 AND 1000 L only)

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

SAFETY DIRECTIONS

Product will irritate eves and skin. Avoid contact with eves and skin. When using controlled droplet applicator wear protective waterproof clothing and impervious footwear. When preparing product for use wear elbow length PVC gloves and face shield or goggles. 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 or goggles and contaminated clothing.

FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 131126. New Zealand 0800 764 766.

SDS

Additional information is listed in the safety data sheet (SDS). A safety data sheet for RAPID FIRE 510 SL is available from Indigo Specialty Products Ptv Ltd on request.

CONDTIONS OF SALE:

Seller warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use. No warranty (other than non-excludable statutory warranties) of merchantability or fitness for a particular purpose, express or implied, extends to the use of the product contrary to label instructions, or under off-label permits not endorsed by Indigo Specialty Products Pty Ltd or under abnormal conditions. Indigo Specialty Products Pty Ltd accepts no liability for any loss or damage arising from incorrect storage, handling or use. * Other trademarks

LABEL ATTACHED TO THE This product.

Pty Ltd

Indigo ABN 15 Unit 3 /

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