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POISON	DIRECTIONS FOR USE 1. TREE AND VINE CROPS						
KEEP OUT OF REACH OF CHILDREN READ SAFETY DIRECTIONS BEFORE OPENING OR USING	RATE       This table shows rates for dilute spraying. For concentrate spraying, refer to the Mixing/Application       CROP     INSECT     STATE     RATE					WITHHOLDING	CRITICAL COMMENTS For all uses in this table: Apply by dilute or concentrate spraying equipment. Apply the same total amount of product to the target crop whether applying this product by dilute or
Sabakem	Apples, Pears	San Jose Scale	Qld, NSW, SA, WA only	Vol/ha _	Vol/100L 100mL (2% miscible winter oil may be added to	PERIOD 14 days	concentrate spraying methods. Dormant period: Apply as late as possible ensuring thorough coverage of limbs and branches. Seasonal period: Apply to coincide with crawler activity in mid-late November and later as necessary. Ensure thorough coverage of branches, foliage and fruit.
Chlorpyrifos 500EC°		Woolly Aphid Mealy bugs	SA, WA only		the dormant spray)		Apply initially at petal fall and then 10-14 days later. Apply a follow-up application if necessary, 2-3 weeks prior to harvest. Ensure thorough coverage of all branches, foliage and ruit.
	Avocado	Avocado Leafroller, Ivy Leafroller	Qld only	1 or 2L	50 or 100 mL	7 days	Use this rate in tank mix with 1L/ha (500 mL/100 L of water) of dichlorvos (500 g/L). For low volume spray equipment use L/ha rate. Apply at first sign of pest activity before larvae
Insecticide ACTIVE CONSTITUENT: 500g/L CHLORPYRIFOS (an anti-cholinesterase compound) SOLVENT: 480g/L LIQUID HYDROCARBONS		lvy Leafroller Latania Scale, Hairy Caterpillars,	NSW only				move to fruit. Use higher rate when populations are high. Apply at first sign of pest activity before larvae move to fruit. Use higher rate when populations are high. For low volume spray equipment use L/ha rate. Apply when populations indicate treatment is required. Spot spray affected trees only.
		Light Brown Apple Moth, Red Shouldered Leaf Beetle	VOW Via CA		100 ml alana or		Repeat as necessary. Use higher rate when populations are high.
For the control of a wide range of insect pests on fruit, vegetables, oilseeds, cotton, cereals, pasture, turf and other situations as specified in the Directions For Use table.	Citrus	California red Scale ( <i>Aonidiella aurantii</i> )	NSW, Vic, SA, WA only Qld only	-	100 mL alone or 50 mL + 1 L miscible summer spraying oil 100 mL alone or 100 mL + 1 L	14 days	Apply during November-March period. Two sprays may be required under conditions of heavy scale infestation. Apply with high volume sprayer to point of runoff. Note: DO NOT use on citrus in areas where integrated control programs are in operation.
IMPORTANT: READ THIS LEAFLET BEFORE OPENING OR USING THIS PRODUCT IS TOO HAZARDOUS FOR USE BY HOUSEHOLDERS.	Citrus. Pome Fruit	Wingless Grasshopper	NSW, Vic, Tas,	500 mL	miscible summer spraying oil 50 mL	14 days	Spray areas of crop infested with grasshoppers. Apply also as a barrier across the line of
DO NOT USE THIS PRODUCT IN OR AROUND THE HOME. Sabakem Pty Ltd ABN 34 151 682 138	Citrus, Pome Fruit Grape Vines	Light Brown Apple Moth	NSW, Vic, Tas, SA, WA only All States	500 mL	50 mL 50 mL	14 days 14 days	Spray areas of crop infested with grasshoppers. Apply also as a barrier across the line of advance, when grasshoppers are invading the crop. Apply initial spray just after berry set (Early October).
Suite 809, Level 8, 2 Queen Street, Melbourne VIC 3000 Tel: 03 9629 3979 • Fax: 1300 242 436 www.sabakem.com		Grapevine Moth ( <i>Phalaenoides glycinae</i> )	Qld, NSW, Tas, SA, WA only			_	Apply when infestation build-up is first noticed ensuring thorough coverage. Later schedule sprays should be made as required.
www.sabakem.com		Grapevine Scale (Parthenolecanium persicae)			100 mL or 50 mL plus 1 L miscible winter oil		Apply as a dormant spray, postpruning (July).
eaflet_1019 APVMA Approval No: 67451/121161	Kiwifruit	Common Armyworm, Southern Armyworm, Light Brown Apple Moth	Qld, NSW, Vic, Tas, SA, WA only	-	50 mL	14 days	Apply at green tip at least 10 days after dormant lime sulphur application and at pre- blossom. D0 N0T apply post blossom.
	Mango	Common Mango Scale	Qld only	-	100 mL	21 days	Apply to coincide with crawler activity. Ensure thorough coverage of all branches, foliage and fruit.
WITHHOLDING PERIODS: Grain sorghum crops: DO NOT HARVEST FOR 2 DAYS AFTER APPLICATION. Tomatoes: DO NOT HARVEST FOR 3 DAYS AFTER APPLICATION.	Stonefruit	European Earwig	NSW only NSW, Tas, SA, WA only	2 L 200 mL + 250 mL sunflower oil/5 kg cracked wheat or	100 mL	14 days	Spray Application: Apply in spring.           Bait Application: Apply 5 kg of bait/ha in spring by fertiliser spreader. See General Instructions on preparation of cracked wheat or cracked sorghum bait.
Cole crops, cucurbits: DO NOT HARVEST FOR 5 DAYS AFTER APPLICATION.		San Jose Scale	QId, NSW, WA	cracked sorghum	100 mL (2% miscible winter	-	Dormant Period: Apply as late as possible ensuring thorough coverage of all branches.
Sugarcane, Avocado: DO NOT HARVEST FOR 7 DAYS AFTER APPLICATION.			oniy		(2% miscible winter oil may be added to the dormant spray)		Seasonal Period: Apply to coincide with crawler activity in mid-late November and later if necessary. Ensure thorough coverage of all branches, foliage and fruit. Note: Some fruit marking may occur if spraying is carried out under hot, dry conditions.
Cereal crops: DO NOT HARVEST FOR 10 DAYS AFTER APPLICATION. Bananas, Celery, citrus, grapevines, pome fruit, Stone fruit, Kiwifruit, Asparagus:	2. FRUIT AND VEGETABLES CROP	INSECT	STATE		ATE	WITHHOLDING	CRITICAL COMMENTS
DO NOT HARVEST FOR 14 DAYS AFTER APPLICATION. Mango: DO NOT HARVEST FOR 21 DAYS AFTER APPLICATION. Cotton: DO NOT HARVEST FOR 4 WEEKS AFTER APPLICATION.	Bananas	Banana Scab Moth ( <i>Nacoleia octasema</i> )	Qld, WA only	Vol/ha Aerial 1 or 2 L in a minimum of 10 L water	Vol/100L 200 mL in a minimum of 500 L water/ha	14 days	Apply from the first appearance of flower bell and repeat as populations indicate until fingers are exposed. Use high rate with onset of wet weather and/or heavy insect pressure. Note: Burning of young fruit may occur under poor drying conditions.
COTTON: DO NOT HARVEST FOR 4 WEEKS AFTER APPLICATION. DO NOT GRAZE OR CUT FOR STOCKFOOD FOR 4 WEEKS AFTER APPLICATION. Cereal, grains, legumes, animal feeds, grasses, grasslike plants & other forages/forage crops: DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 2 DAYS AFTER APPLICATION.		Banana Weevil Borer	Qld, NSW, WA only		1 or 1.8 L		After removal of trash, apply 500-700mL of spray depending on butt size, to the lower 30 cm of the butt and to the surrounding soil within a radius of 30 cm, ensuring thorough coverage of butt and suckers. Sub-tropical areas: Use high rate for annual control of borers. Tropical areas: Use high rate in September-November for initial spray and follow-up with low rate in September April should insert pressure warrant a second application.
Turf: DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 2 DAYS AFTER TREATMENT. DO NOT FEED TURF/LAWN CLIPPINGS FROM TREATED AREA TO POULTRY OR LIVESTOCK.		Caterpillars	NSW only		200 mL	-	low rate in February-April should insect pressure warrant a second application. Apply from the first appearance of flower bell and repeat as populations indicate until fingers are exposed. Use as ground application only, do not apply by air.
	Cabbage, Cauliflower	African Black Beetle	NSW only	2 L (Boom Spray)	300 mL (Drench)	5 days	Boom Spray: Apply in 500-1000 L of water/ha at or soon after planting as a 10-15 cm band spray. Drench: Apply 100 mL of diluted spray to base of each plant. Treat as soon as the first signs of infestation are observed. Note: If attack is prolonged follow up boom spray or drench treatment may be necessary.
	Carrots	Light Brown Apple Moth	All States	500 or 700 mL	-	-	Apply when moths are first detected. Repeat at the higher rate if there is a recurrence of infestation.
	Cassava Cole Crops including Cabbage, Cauliflower, Brussels Sprouts, Broccoli	Cutworm ( <i>Agrotis</i> spp.) Cabbage Moth, Cabbage White Butterfly, Cabbage Aphid, Cluster Caterpillar, Cabbage Cluster Caterpillar	Qld, WA only NSW, Vic, Tas, SA, WA only	700 mL 1.5 or 2 L	150 or 200 mL	5 days	Apply to seedlings and soil at base of seedlings when cutworm activity is observed. Spray at 10-14 day intervals. Use high rate under heavy pressure. Large plants: Use 1,000 L spray/ha. To improve spray coverage, add nonionic wetting agents as recommended.
		Corn Earworm, Native Budworm ( <i>Helicoverpa</i> spp.)	Qld, WA only	1.5 L	150 mL		Apply as pests indicate commencing when pests first appear. Large plants: Use 1,000 L spray/ha.
		Corn Earworm Native Budworm ( <i>Helicoverpa punctigera</i> )	NSW, Vic, SA, WA only NSW, Vic, Tas, SA, WA only	1.5 or 2 L	150 or 200 mL		Apply at 10-14 day intervals. Use high rate under heavy pest pressure. Large plants: Use 1,000 L spray/ha. Apply at 10 day intervals commencing when pests first appear. Apply at 7 day intervals under heavy pest pressure.
		Wingless Grasshopper	NSW, Vic, Tas,	500 mL	50 mL	_	Large plants: Use 1,000 L spray/ha. Spray areas of crop infested with grasshoppers. Also apply as a barrier across the line of
		Redlegged Earth Mite, Blue Oat Mite	SA only NSW only	140 or 300 mL	-	-	advance, when grasshoppers are invading the crop. Use higher rate for severe infestations. Headlands and vegetation surrounding the crop may also need to be sprayed.
	Cucurbits Ginger	White Flies Cutworm ( <i>Agrotis</i> spp.)	NSW only Qld, WA only	- 700 or 900 mL	50 mL	5 days –	Apply when pest is first detected. If required repeat application every 10-14 days. Apply when pest population is evident from damage to the primary shoot at or below
	Pineapples	Pineapple Mealybug, Ants	Qid, WA only			-	ground, or to the first leaf during growth. Apply when pests are first seen and repeat at 90 days intervals or as necessary. Use a
		White Grubs	-	5 L	-		minimum of 3000 L of spray/ha. Use higher rate under heavy pest pressure. Apply as a pre-plant spray to a freshly cultivated soil surface. Incorporate immediately by rotary hoeing to a depth of 10-20 cm.
	Potatoes	African Black Beetle	NSW, WA only	3-6 L	-	-	Apply the spray to the soil immediately prior to planting, ensuring thorough incorporation to a depth of 15 cm. Use high rate under heavy pest pressure.
				900mL	_		Apply as a second spray as bands on either side of plants at final hilling-up. Ensure good incorporation of the spray immediately into the soil in the hill.
		Whitefringed Weevil	NSW, Vic, WA only WA_NSW only	6 L	-		Apply pre-plant and incorporate into the soil immediately after application.
		Wireworms	WA, NSW only Vic only	1 L 6 L			Apply at hilling-up or 7 weeks after planting as a follow-up to pre-plant incorporation. Apply as a band spray to the soil surface incorporating immediately. Use before planting in areas where wireworms are a known problem.
				100 mL/ 10kg bran <sup>2</sup>	1		Apply in recently ratooned strawberry patches or newly planted runners when damage or pest populations indicate. Broadcast, preferably in the late afternoon to base of plants and
	Strawberries	Field Crickets ( <i>Teleogryllus commodus</i> ), Mole Crickets ( <i>Gryllotalpa</i> spp.)	Qld, WA only	TOO IIIL/ TOKY DIAII-			
	Strawberries Silver Beet		Qld, WA only NSW Only	140 or 300 mL	-		
		Mole Crickets ( <i>Gryllotalpa</i> spp.)			- 150 or 200 mL	3 days	
	Silver Beet	Mole Crickets (Gryllotalpa spp.)         Redlegged Earth Mite, Blue Oat Mite         Tomato Grub (Helicoverpa armigera)         Native Budworm (Helicoverpa punctigera)         Green Vegetable Bug	NSW Only Qld, NSW, Vic, WA only Tas, WA only Tas, SA, WA only	140 or 300 mL 1.5 or 2 L		3 days	Use higher rate for severe infestations. Headlands and vegetation surrounding the crop may also need to be treated. Spray on 7-10 days schedule commencing at flowering. Use high rate under heavy pest pressure. Spray at first sign of bug activity. Use higher rate under heavy pest pressure.
	Silver Beet	Mole Crickets (Gryllotalpa spp.)         Redlegged Earth Mite, Blue Oat Mite         Tomato Grub (Helicoverpa armigera)         Native Budworm (Helicoverpa punctigera)         Green Vegetable Bug         Green Peach Aphid	NSW Only Qld, NSW, Vic, WA only Tas, WA only Tas, SA, WA only Qld, Vic, Tas, SA, WA only	140 or 300 mL 1.5 or 2 L 1 L	100 mL		Use higher rate for severe infestations. Headlands and vegetation surrounding the crop may also need to be treated. Spray on 7-10 days schedule commencing at flowering. Use high rate under heavy pest pressure. Spray at first sign of bug activity. Use higher rate under heavy pest pressure. Spray when aphids are seen. Large Plants: Use 1,000 L spray/ha.
	Silver Beet	Mole Crickets (Gryllotalpa spp.)         Redlegged Earth Mite, Blue Oat Mite         Tomato Grub (Helicoverpa armigera)         Native Budworm (Helicoverpa punctigera)         Green Vegetable Bug	NSW Only Qld, NSW, Vic, WA only Tas, WA only Tas, SA, WA only Qld, Vic, Tas,	140 or 300 mL 1.5 or 2 L		3 days 3 days -	Use higher rate for severe infestations. Headlands and vegetation surrounding the crop may also need to be treated. Spray on 7-10 days schedule commencing at flowering. Use high rate under heavy pest pressure. Spray at first sign of bug activity. Use higher rate under heavy pest pressure.
	Silver Beet	Mole Crickets (Gryllotalpa spp.)         Redlegged Earth Mite, Blue Oat Mite         Tomato Grub (Helicoverpa armigera)         Native Budworm (Helicoverpa punctigera)         Green Vegetable Bug         Green Peach Aphid         Wingless Grasshopper	NSW Only           Qld, NSW, Vic, WA only           Tas, WA only           Tas, SA, WA only           Qld, Vic, Tas, SA, WA only           NSW, Vic, Tas, SA, WA only           NSW, Vic, Tas, SA only	140 or 300 mL 1.5 or 2 L 1 L 500 mL	100 mL 50 mL		Use higher rate for severe infestations. Headlands and vegetation surrounding the crop may also need to be treated. Spray on 7-10 days schedule commencing at flowering. Use high rate under heavy pest pressure. Spray at first sign of bug activity. Use higher rate under heavy pest pressure. Spray when aphids are seen. Large Plants: Use 1,000 L spray/ha. Spray areas of crop infested with grasshoppers. Also apply as a barrier across the line of advance, when grasshoppers are invading the crop.
	Silver Beet Tomatoes	Mole Crickets (Gryllotalpa spp.)         Redlegged Earth Mite, Blue Oat Mite         Tomato Grub (Helicoverpa armigera)         Native Budworm (Helicoverpa punctigera)         Green Vegetable Bug         Green Peach Aphid         Wingless Grasshopper	NSW Only         Qld, NSW, Vic,         WA only         Tas, WA only         Tas, SA, WA         Olld, Vic, Tas,         SA, WA only         NSW, Vic, Tas,         SA only         NSW only         NSW only         NSW only         NSW, Vic, Tas,         SA work         NSW only	140 or 300 mL 1.5 or 2 L 1 L 500 mL	100 mL 50 mL	3 days - Tomatoes	Use higher rate for severe infestations. Headlands and vegetation surrounding the crop may also need to be treated. Spray on 7-10 days schedule commencing at flowering. Use high rate under heavy pest pressure. Spray at first sign of bug activity. Use higher rate under heavy pest pressure. Spray when aphids are seen. Large Plants: Use 1,000 L spray/ha. Spray areas of crop infested with grasshoppers. Also apply as a barrier across the line of advance, when grasshoppers are invading the crop. Boom Spray: Apply in 500-1000 L of water/ha at or soon after planting as a 10-15 cm band spray. Drench: Apply 100 mL of diluted spray to base of each plant. Treat as soon as first sign of infestation is noticed. Note: If attack is prolonged follow up boom spray or drench treatment may be necessary. Spray areas of crop infested with grasshoppers. Apply also as a barrier across the line of
	Silver Beet Tomatoes Vegetables including Asparagus, Beans, Beetroot, Broccoli, Brussels Sprouts, Cabbage, Cauliflower, Capsicum, Carrot, Celery, Egglant, Onion, Peas, Potato,	Mole Crickets (Gryllotalpa spp.)         Redlegged Earth Mite, Blue Oat Mite         Tomato Grub (Helicoverpa armigera)         Native Budworm (Helicoverpa punctigera)         Green Vegetable Bug         Green Peach Aphid         Wingless Grasshopper         African Black Beetle	NSW Only Qld, NSW, Vic, WA only Tas, WA only Tas, SA, WA only Old, Vic, Tas, SA, WA only NSW, Vic, Tas, SA only NSW only	140 or 300 mL 1.5 or 2 L 1 L 500 mL 2 L (Boom Spray)	100 mL 50 mL 300 mL (Drench)	3 days - Tomatoes 3 days Cole Crops	Use higher rate for severe infestations. Headlands and vegetation surrounding the crop may also need to be treated. Spray on 7-10 days schedule commencing at flowering. Use high rate under heavy pest pressure. Spray at first sign of bug activity. Use higher rate under heavy pest pressure. Spray when aphids are seen. Large Plants: Use 1,000 L spray/ha. Spray areas of crop infested with grasshoppers. Also apply as a barrier across the line of advance, when grasshoppers are invading the crop. Boom Spray: Apply in 500-1000 L of water/ha at or soon after planting as a 10-15 cm band spray. Drench: Apply 100 mL of diluted spray to base of each plant. Treat as soon as first sign of infestation is noticed. Note: If attack is prolonged follow up boom spray or drench treatment may be necessary. Spray areas of crop infested with grasshoppers. Apply also as a barrier across the line of advance when grasshoppers are invading the crop.
	Silver Beet Tomatoes Vegetables including Asparagus, Beans, Beetroot, Broccoli, Brussels Sprouts, Cabbage, Cauliflower, Capsicum, Carrot,	Mole Crickets (Gryllotalpa spp.)         Redlegged Earth Mite, Blue Oat Mite         Tomato Grub (Helicoverpa armigera)         Native Budworm (Helicoverpa punctigera)         Green Vegetable Bug         Green Peach Aphid         Wingless Grasshopper         African Black Beetle         Wingless Grasshopper	NSW Only         Qld, NSW, Vic,         WA only         Tas, WA only         Tas, SA, WA only         Old, Vic, Tas,         SA, WA only         NSW, Vic, Tas,         SA only         NSW only         NSW only         NSW, Vic, Tas,         SA, WA only	140 or 300 mL 1.5 or 2 L 1 L 500 mL 2 L (Boom Spray) 500 mL	100 mL 50 mL 300 mL (Drench) 50 mL	3 days - Tomatoes 3 days	Use higher rate for severe infestations. Headlands and vegetation surrounding the crop may also need to be treated. Spray on 7-10 days schedule commencing at flowering. Use high rate under heavy pest pressure. Spray at first sign of bug activity. Use higher rate under heavy pest pressure. Spray when aphids are seen. Large Plants: Use 1,000 L spray/ha. Spray areas of crop infested with grasshoppers. Also apply as a barrier across the line of advance, when grasshoppers are invading the crop. Boom Spray: Apply in 500-1000 L of water/ha at or soon after planting as a 10-15 cm band spray. Drench: Apply 100 mL of diluted spray to base of each plant. Treat as soon as first sign of infestation is noticed. Note: If attack is prolonged follow up boom spray or drench treatment may be necessary. Spray areas of crop infested with grasshoppers. Apply also as a barrier across the line of advance when grasshoppers are invading the crop.
	Silver Beet Tomatoes Vegetables including Asparagus, Beans, Beetroot, Broccoli, Brussels Sprouts, Cabbage, Cauliflower, Capsicum, Carrot, Celery, Eggplant, Onion, Peas, Potato, Radish, Rhubarb, Shalot, Sweet Potato,	Mole Crickets (Gryllotalpa spp.)         Redlegged Earth Mite, Blue Oat Mite         Tomato Grub (Helicoverpa armigera)         Native Budworm (Helicoverpa punctigera)         Green Vegetable Bug         Green Peach Aphid         Wingless Grasshopper         African Black Beetle         Wingless Grasshopper         Cutworm (Agrotis spp.)	NSW Only         Qld, NSW, Vic,         WA only         Tas, WA only         Tas, SA, WA         Only         Qld, Vic, Tas,         SA, WA only         NSW, Vic, Tas,         SA only         NSW, Vic, Tas,         SA only         NSW only         NSW, Vic, Tas,         SA, WA only         All States	140 or 300 mL 1.5 or 2 L 1 L 500 mL 2 L (Boom Spray) 500 mL 700 mL	100 mL 50 mL 300 mL (Drench) 50 mL 70 mL	3 days - Tomatoes 3 days Cole Crops Cucurbits 5 days	Use higher rate for severe infestations. Headlands and vegetation surrounding the crop may also need to be treated. Spray on 7-10 days schedule commencing at flowering. Use high rate under heavy pest pressure. Spray at first sign of bug activity. Use higher rate under heavy pest pressure. Spray when aphids are seen. Large Plants: Use 1,000 L spray/ha. Spray areas of crop infested with grasshoppers. Also apply as a barrier across the line of advance, when grasshoppers are invading the crop. Boom Spray: Apply in 500-1000 L of water/ha at or soon after planting as a 10-15 cm band spray. Drench: Apply 100 mL of diluted spray to base of each plant. Treat as soon as first sign of infestation is noticed. Note: If attack is prolonged follow up boom spray or drench treatment may be necessary. Spray areas of crop infested with grasshoppers. Apply also as a barrier across the line of advance when grasshoppers are invading the crop. Apply immediately infestation is observed. Increase concentration to compensate if application is below 1000 L spray/ha. Spray should cover soil out to at least 20 cm on both sides of row crop. Re-treat as necessary.
	Silver Beet Tomatoes Vegetables including Asparagus, Beans, Beetroot, Broccoli, Brussels Sprouts, Cabbage, Cauliflower, Capsicum, Carrot, Celery, Eggplant, Onion, Peas, Potato, Radish, Rhubarb, Shalot, Sweet Potato,	Mole Crickets (Gryllotalpa spp.)         Redlegged Earth Mite, Blue Oat Mite         Tomato Grub (Helicoverpa armigera)         Native Budworm (Helicoverpa punctigera)         Green Vegetable Bug         Green Peach Aphid         Wingless Grasshopper         African Black Beetle         Wingless Grasshopper         Cutworm (Agrotis spp.)         Field Crickets (Teleogryllus commodus), Mole Crickets (Gryllotalpa spp.)	NSW Only         Qld, NSW, Vic,         WA only         Tas, WA only         Tas, SA, WA         only         Qld, Vic, Tas,         SA, WA only         NSW, Vic, Tas,         SA only         NSW only         NSW, Vic, Tas,         SA only         NSW only         All States         Qld, WA only         NSW only	140 or 300 mL 1.5 or 2 L 1 L 500 mL 2 L (Boom Spray) 500 mL 700 mL 100 mL/10 kg bran <sup>2</sup>	100 mL     50 mL     300 mL (Drench)     50 mL     70 mL     -     -	3 days - Tomatoes 3 days Cole Crops Cucurbits 5 days Asparagus, Celery	<ul> <li>Use higher rate for severe infestations. Headlands and vegetation surrounding the crop may also need to be treated.</li> <li>Spray on 7-10 days schedule commencing at flowering. Use high rate under heavy pest pressure.</li> <li>Spray at first sign of bug activity. Use higher rate under heavy pest pressure.</li> <li>Spray when aphids are seen. Large Plants: Use 1,000 L spray/ha.</li> <li>Spray areas of crop infested with grasshoppers. Also apply as a barrier across the line of advance, when grasshoppers are invading the crop.</li> <li>Boom Spray: Apply in 500-1000 L of water/ha at or soon after planting as a 10-15 cm band spray.</li> <li>Drench: Apply 100 mL of diluted spray to base of each plant. Treat as soon as first sign of infestation is noticed.</li> <li>Note: If attack is prolonged follow up boom spray or drench treatment may be necessary.</li> <li>Spray areas of crop. Re-treat as necessary.</li> <li>Apply immediately infestation is observed. Increase concentration to compensate if application is below 1000 L spray/ha. Spray should cover soil out to at least 20 cm on both sides of row crop. Re-treat as necessary.</li> <li>Apply as pest populations indicate. See General Instructions on preparation of bran baits.</li> <li>Apply immediately infestation is observed. Apply as a band over the young plants and adjacent soil along the row. One treatment should be sufficient if plants are sprayed at the seedling stage or soon afterwards.</li> </ul>
	Silver Beet         Tomatoes         Vegetables including Asparagus, Beans, Beetroot, Broccoli, Brussels Sprouts, Cabbage, Cauliflower, Capsicum, Carrot, Celery, Eggplant, Onion, Peas, Potato, Radish, Rhubarb, Shallot, Sweet Potato, Tomato, Turnip         3. FIELD CROPS AND PASTURE	Mole Crickets (Gryllotalpa spp.)         Redlegged Earth Mite, Blue Oat Mite         Tomato Grub (Helicoverpa armigera)         Native Budworm (Helicoverpa punctigera)         Green Vegetable Bug         Green Peach Aphid         Wingless Grasshopper         African Black Beetle         Wingless Grasshopper         Cutworm (Agrotis spp.)         Field Crickets (Teleogryllus commodus), Mole Crickets (Gryllotalpa spp.)         Vegetable Weevil         INSECT         Southern Armyworm (Persectania ewingil),	NSW Only         Qld, NSW, Vic,         WA only         Tas, WA only         Tas, SA, WA         only         Qld, Vic, Tas,         SA, WA only         NSW, Vic, Tas,         SA only         NSW, Vic, Tas,         SA only         NSW only         All States         Qld, WA only         NSW only	140 or 300 mL 1.5 or 2 L 1 L 500 mL 2 L (Boom Spray) 500 mL 700 mL 100 mL/10 kg bran <sup>2</sup> 800 mL	100 mL         50 mL         300 mL (Drench)         50 mL         70 mL         70 mL         Period         Cereals	3 days - Tomatoes 3 days Cole Crops Cucurbits 5 days Asparagus, Celery 14 days CRITICAL COMME Spray over total cro	Use higher rate for severe infestations. Headlands and vegetation surrounding the crop may also need to be treated. Spray on 7-10 days schedule commencing at flowering. Use high rate under heavy pest pressure. Spray at first sign of bug activity. Use higher rate under heavy pest pressure. Spray when aphids are seen. Large Plants: Use 1,000 L spray/ha. Spray areas of crop infested with grasshoppers. Also apply as a barrier across the line of advance, when grasshoppers are invading the crop. Boom Spray: Apply in 500-1000 L of water/ha at or soon after planting as a 10-15 cm band spray. Drench: Apply 100 mL of diluted spray to base of each plant. Treat as soon as first sign of infestation is noticed. Note: If attack is prolonged follow up boom spray or drench treatment may be necessary. Spray areas of crop infested with grasshoppers. Apply also as a barrier across the line of advance when grasshoppers are invading the crop. Apply immediately infestation is observed. Increase concentration to compensate if application is below 1000 L spray/ha. Spray should cover soil out to at least 20 cm on both sides of row crop. Re-treat as necessary. Apply as pest populations indicate. See General Instructions on preparation of bran baits. Apply immediately infestation is observed. Apply as a band over the young plants and adjacent soil along the row. One treatment should be sufficient if plants are sprayed at the seedling stage or soon afterwards. NTS
	Silver Beet         Tomatoes         Vegetables including Asparagus, Beans, Beetroot, Broccoli, Brussels Sprouts, Cabbage, Cauliflower, Capsicum, Carrot, Celery, Eggplant, Onion, Peas, Potato, Radish, Rhubarb, Shallot, Sweet Potato, Tomato, Turnip         3. FIELD CROPS AND PASTURE         CROP	Mole Crickets ( <i>Gryllotalpa</i> spp.)         Redlegged Earth Mite, Blue Oat Mite         Tomato Grub ( <i>Helicoverpa armigera</i> )         Native Budworm ( <i>Helicoverpa punctigera</i> )         Green Vegetable Bug         Green Peach Aphid         Wingless Grasshopper         African Black Beetle         Wingless Grasshopper         Cutworm (Agrotis spp.)         Field Crickets ( <i>Teleogryllus commodus</i> ), Mole Crickets ( <i>Gryllotalpa</i> spp.)         Vegetable Weevil	NSW Only         Old, NSW, Vic,         WA only         Tas, WA only         Tas, SA, WA         Oll, Vic, Tas,         SA, WA only         NSW, Vic, Tas,         SA only         NSW only         All States         Old, WA only         NSW only         STATE	140 or 300 mL 1.5 or 2 L 1 L 500 mL 2 L (Boom Spray) 500 mL 100 mL/10 kg bran <sup>2</sup> 800 mL <b>RATE Vol/ha</b>		3 days         -         Tomatoes         3 days         Cole Crops         Cucurbits         5 days         Asparagus, Celery         14 days         CRITICAL COMME         Spray over total cr         strip over and in ad         Late Stage Instar:	Use higher rate for severe infestations. Headlands and vegetation surrounding the crop may also need to be treated. Spray on 7-10 days schedule commencing at flowering. Use high rate under heavy pest pressure. Spray at first sign of bug activity. Use higher rate under heavy pest pressure. Spray when aphids are seen. Large Plants: Use 1,000 L spray/ha. Spray areas of crop infested with grasshoppers. Also apply as a barrier across the line of advance, when grasshoppers are invading the crop. Boom Spray: Apply in 500-1000 L of water/ha at or soon after planting as a 10-15 cm band spray. Drench: Apply 100 mL of diluted spray to base of each plant. Treat as soon as first sign of infestation is noticed. Note: If attack is prolonged follow up boom spray or drench treatment may be necessary. Spray areas of crop infested with grasshoppers. Apply also as a barrier across the line of advance when grasshoppers are invading the crop. Apply immediately infestation is observed. Increase concentration to compensate if application is below 1000 L spray/ha. Spray should cover soil out to at least 20 cm on both sides of row crop. Re-treat as necessary. Apply as pest populations indicate. See General Instructions on preparation of bran baits. Apply immediately infestation is observed. Apply as a band over the young plants and adjacent soil along the row. One treatment should be sufficient if plants are sprayed at the seedling stage or soon afterwards.
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FIELD CROPS AND PASTURE         CROP         Cereals, Pasture, Forage Crops         Cereals, Pasture, Young Plants of Oil Seeds         Cereals, Pasture, Young Plants of Oil Seeds         Cereals         Cereals	Mole Crickets ( <i>GryHotalpa</i> spp.)         Redlegged Earth Mite, Blue Oat Mite         Tomato Grub ( <i>Helicoverpa armigera</i> )         Native Budworm ( <i>Helicoverpa punctigera</i> )         Green Vegetable Bug         Green Peach Aphid         Wingless Grasshopper         African Black Beetle         Wingless Grasshopper         Cutworm (Agrotis spp.)         Field Crickets ( <i>TeleogryHus commodus</i> ), Mole Crickets ( <i>GryHotalpa</i> spp.)         Vegetable Weevil         INSECT         Southern Armyworm ( <i>Persectania ewingil</i> ), Common Armyworm ( <i>Mythimna convecta</i> )         Pasture Webworm ( <i>Hednota</i> spp.)         Cutworm ( <i>Agrotis</i> munda and <i>A. infusa</i> )         Cereal Curculia	NSW Only         Old, NSW, Vic,         Tas, WA only         Tas, SA, WA         Old, Vic, Tas,         SA, WA only         Old, Vic, Tas,         SA, WA only         NSW, Vic, Tas,         SA only         NSW, Vic, Tas,         SA only         NSW only         All States         Old, WA only         NSW only         STATE         All States         NSW, Vic, Tas,         SA only         WA only         Vic only         Vic only         SA, WA only         Vic only         SA, WA only         SA, WA only	140 or 300 mL         1.5 or 2 L         1 L         500 mL         2 L (Boom Spray)         500 mL         2 L (Boom Spray)         100 mL/10 kg bran²         800 mL         700 or 900 mL         700 or 900 mL         700 mL         300 mL         700 mL in a         minimum of 100 L         water         700 mL/100 kg seed	100 mL         50 mL         300 mL (Drench)         50 mL         70 mL         70 mL         2         VITHHOLDING PERIOD         Cereals 10 days (Harvest) 2 days (Grazing)         2 days (Grazing)         -         -	3 days         -         Tomatoes         3 days         Cole Crops         Curubits         5 days         Asparagus, Celery         14 days         Spray over total crossing over and in ad Late Stage Instar:         Spray over total crossing over and in ad Late Stage Instar:         Spray at first sign over and in ad Late Stage Instar:         Spray at first sign over and in ad Late Stage Instar:         Spray at first sign over and in ad Late Stage Instar:         Spray at first sign over and in ad Late Stage Instar:         Spray at first sign over and in ad Late Stage Instar:         Spray at first sign over and in ad Late Stage Instar:         Spray at first sign over and in ad Late Stage Instar:         Apply immediately         Apply immediately         Apply as a seed drive         Apply as a seed drive         Apply is a spray areas of crossing to the stage hopper         Adults: Spray areas         Adults: Spray areas         Hoppers: Spray areas	Use higher rate for severe infestations. 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	Silver Beet         Tomatoes         Vegetables including Asparagus, Beans, Beetroot, Broccoli, Brussels Sprouts, Cabbage, Cauliflower, Capsicum, Carrot, Celery, Eggplant, Onion, Peas, Potato, Radish, Rhubarb, Shallot, Sweet Potato, Tomato, Turnip <b>3. FIELD CROPS AND PASTURE CROP</b> Cereals, Pasture, Forage Crops         Cereals, Pasture, Forage Crops         Cereals, Pasture, Oil Seeds         Cereals         Cereals	Mole Crickets (Gryllotalpa spp.)         Redlegged Earth Mite, Blue Oat Mite         Tomato Grub (Helicoverpa armigera)         Native Budworm (Helicoverpa punctigera)         Green Vegetable Bug         Green Peach Aphid         Wingless Grasshopper         African Black Beetle         Wingless Grasshopper         Cutworm (Agrotis spp.)         Field Crickets (Teleogryllus commodus), Mole Crickets (Gryllotalpa spp.)         Vegetable Weevil         INSECT         Southern Armyworm (Persectania ewingil), Common Armyworm (Mythimna convecta)         Pasture Webworm (Hednota spp.)         Cutworm (Agrotis munda and A. infusa)         Cereal Curculia         Spur-throated Locust	NSW Only         NSW Only         Qld, NSW, Vic, WA only         Tas, WA only         Tas, SA, WA only         Qld, Vic, Tas, SA, WA only         NSW, Vic, Tas, SA only         NSW, Vic, Tas, SA only         NSW only         NSW, Vic, Tas, SA only         NSW only         All States         Qld, WA only         NSW only         NSW only         Vistates         Qld, Tas, NSW, Wic, Tas, SA only         VWA only         Vic only         SA, WA only         Qld, Vic, NSW, WA only	140 or 300 mL         1.5 or 2 L         1 L         500 mL         2 L (Boom Spray)         500 mL         700 mL         100 mL/10 kg bran²         800 mL         700 mL         700 or 900 mL         700 or 900 mL         700 mL         300 mL         900 mL in a         minimum of 100 L         water         120 mL/100 kg seed         1.25 or 1.5 L         560 mL	I 100 mL 50 mL 300 mL (Drench) 50 mL 70 mL 70 mL Cereals 10 days (Harvest) 2 days (Grazing) Cereals 10 days (Harvest)	3 days         3 days         -         Tomatoes         3 days         Cole Crops         Cucurbits         5 days         Cole Crops         Cucurbits         5 days         Asparagus, Celery         14 days         Spray over total cro         strip over and in ad         Late Stage Instar:         Spray at first sign of         Pre-plant: Apply w         Post-emergence:         Apply as a seed drr         Note: A sowing ratt         Spray areas of crop         adults: Spray area         Hoppers: Spray as         spraying until all hr         Adults: Spray area         Hoppers: Spray as	Use higher rate for severe infestations. Headlands and vegetation surrounding the crop may also need to be treated. Spray on 7-10 days schedule commencing at flowering. Use high rate under heavy pest pressure. Spray at first sign of bug activity. Use higher rate under heavy pest pressure. Spray when aphids are seen. Large Plants: Use 1,000 L spray/ha. Spray areas of crop infested with grasshoppers. Also apply as a barrier across the line of advance, when grasshoppers are invading the crop. <b>Boom Spray:</b> Apply in 500-1000 L of water/ha at or soon after planting as a 10-15 cm band spray. <b>Drench:</b> Apply 100 mL of diluted spray to base of each plant. Treat as soon as first sign of infestation is noticed. <b>Note:</b> If attack is prolonged follow up boom spray or drench treatment may be necessary. Spray areas of crop infested with grasshoppers. Apply also as a barrier across the line of advance when grasshoppers are invading the crop. Apply immediately infestation is observed. Increase concentration to compensate if application is below 1000 L spray/ha. Spray should cover soil out to at least 20 cm on both sides of row crop. Re-treat as necessary. Apply as pest populations indicate. See General Instructions on preparation of bran bails. Apply immediately infestation is observed. Apply as a band over the young plants and adjacent soil along the row. One treatment should be sufficient if plants are sprayed at the seedling stage or soon afterwards. <b>ENTS</b> or area when infestation is widespread. When pests are moving as an "army" treat a broad dvance of the infestation. Lybely higher rate when larvae 3 cm in length. Apply follow-up treatment as required. of damage. Apply from the ground with boom or mister or apply by air. with the label rate of an approved tillage herbicide to follage prior to any cultivation. Apply at first sign of damage. Apply with ground-rig boom or mister or by air. infestation is observed. Apply follow-up treatments as required. of 35 kg/ha (min.) is necessary to ensure economic r
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### GENERAL INSTRUCTIONS

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

#### MIXING

Slowly add the required amount of this product to water in spray tank under agitation. The special formulation of this product ensures rapid mixing.

Aerial Application: For application by aircraft apply in 10-15L water per hectare.

Dilute Spraying: Use a sprayer designed to apply high volumes of water up to the point of run-off and matched to the crop being sprayed. Set up and operate the sprayer to achieve even coverage throughout the crop canopy. Apply sufficient water to cover the crop to the point of run-off. Avoid excessive run-off. The required water volume may be determined by applying different test volumes, using different settings on the sprayer, from industry guidelines or expert advice. Add the amount of product specified in the Directions for Use table for each 100L of water. Spray to the point of run-off. The required dilute spray volume will change and the sprayer set up and operation may also need to be changed, as the crop grows.

Concentrate Spraying: Use a sprayer designed and set up for concentrate spraying (that is a sprayer which applies water volumes less than those required to reach the point of run-off) and matched to the crop being sprayed. Set up and operate the sprayer to achieve even coverage throughout the crop canopy using your chosen water volume. Determine an appropriate dilute spray volume (See Dilute Spaying above) for the crop canopy. This is needed to calculate the concentrate mixing rate. The mixing rate for concentrate spraying can then be calculated in the following way: EXAMPLE ONLY

1. Dilute spray volume as determined above: For example 1500L/ha

2. Your chosen concentrate spray volume: For example 500L/ha

3. The concentration factor in this example is: 3X (ie. 1500L÷500L=3)

4. If the dilute label rate is 10mL/100L, then the concentrate rate becomes 3 x 10, that is 30mL/100L of concentrate spray.

The chosen spray volume, amount of product per 100L of water, and the sprayer set up and operation may need to be changed as the crop grows. For further information on concentrate spraying, users are advised to consult relevant industry guidelines, undertake appropriate competency training and follow industry Best Practices.

### SOIL APPLICATION

Preparation of Bran Bait: Mix 10mL of this product per kg of bran using sufficient water to give a moist crumb structure. Allow to stand for 2-3 hours before application. Gloves should be worn when preparing and applying bait

Preparation of Cracked Wheat or Cracked Sorghum Bait: Mix the required volume of this product and sunflower oil together. Then, add to the wheat or sorghum, mixing thoroughly. Gloves should be worn when preparing the bait.

### SPRAY DRIFT MINIMISATION

Spray drift may occur under adverse meteorological conditions or from certain spray equipment. DO NOT allow spray to drift onto sensitive areas including, but not limited to, natural streams, rivers or waterways and human dwellings. A spray drift management strategy such as those in the 'Best Management Practices Manual for Cotton Growers' or the 'Pilots and Operators Manual' should be applied. Options for minimising drift to sensitive areas include not spraying within a certain distance of sensitive areas when the wind is blowing towards them (see table for guidance) or ensuring that drifting spray will be intercepted by a catching surface such as a row of shelter trees, an unsprayed row of orchard trees, or hail netting

Situation	Recommended buffer distance (m)		
Orchard (dormant trees, citrus, large trees)	30		
Cotton (aerial application)	300		
Other crops (aerial application)	100		

**1B** 

INSECTICIDE

GROUP

#### INSECTICIDE RESISTANCE WARNING

For insecticide resistance management Sabakem Chlorpyrifos 500EC® Insecticide is a Group 1B insecticide.

Some naturally occurring insect biotypes resistant to Sabakem Chlorpyrifos 500EC® Insecticide and other Group 1B insecticides may exist through normal genetic variability in any insect population. The resistant individuals can eventually dominate the insect population if Sabakem Chlorpyrifos 500EC® Insecticide or other Group 1B insecticides are used repeatedly. The effectiveness of Sabakem Chlorpyrifos 500EC® Insecticide on resistant individuals could be significantly reduced. Since occurrence of resistant individuals is difficult to detect prior to use, Sabakem accepts no liability for any losses that may result from the failure of Sabakem Chlorpyrifos 500EC® Insecticide to control resistant insects. Sabakem Chlorpyrifos 500EC® Insecticide may be subject to specific resistance management strategies. For further information contact your local supplier, Sabakem representative or local agricultural department agronomist.

## COMPATIBILITY

This product is compatible with the following:

Herbicides: Atrazine, Bromoxynil, Chlorsulfuron, Diclofop-methyl, Diuron, Flamprop-methyl. Fluometuron, Paraguat, Paraguat + Diguat, Pendimethalin, Trifluralin. Insecticides and Miticides: Acephate, Azinphos-methyl, Carbaryl, Cypermethrin, Deltamethrin,

Demeton-s-methyl, Diazinon, Dichlorvos, Dicofol, Dimethoate, Endosulfan, Ethion, Fenvalerate, Maldison, Methidathion, Methomyl, Monocrotophos, Oils, Oxythioquinox, Parathion, Phosalone, Phosmet. Tetradifon. Trichlorfon. Fungicides: Benomyl, Chlorothalonil, Thiram, Triadimefon, Zineb, Ziram.

Fertilizers: Diammonium Phosphate, Limestone, Miloreanite, Monoammonium sulfate, Potash. Sulphur coated urea, Triple superphosphate. Urea.

### INCOMPATIBILITY

This product is incompatible with the following: Herbicides: Dicamba, MCPA, Tordon 75-D, Tordon 242, 2,4-D. Fungicides: Fixed coppers, liquid and organic coppers, wettable sulphur.

Fertilizers: Iron sulphate, Manganese sulphate, Zinc oxysulphate.

# **RE-ENTRY PERIODS**

Fields crops, tree crops and vines: DO NOT allow entry into treated crops until spray deposits have dried. If prior entry is required, limit duration of entry and wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and chemical resistant gloves. Clothing must be laundered after each dav's use.

Greenhouses: DO NOT allow entry into greenhouses until spray deposits have dried and treated areas are adequately ventilated. If prior entry is required, limit duration of entry and wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and chemical resistant gloves and half facepiece respirator. Clothing must be laundered after each day's use.

Cotton chippers: DO NOT allow entry into treated areas until spray deposits have dried. After this time, wear shoes, or boots, socks, long trousers, long sleeved shirt, gloves and hat.

3. FIELD CROPS AND PASTURE – CONTINU Field Peas, Broad Beans, Chickpeas,	Blue Oat Mite, Redlegged Earth Mite	NSW only	140 or 300 mL	Cereals	Apply as a ground spray immediately prior to seedling emergence using sufficient water to give good coverage.
Lupins, Lucerne, Lucerne pastures & Clover Seed Crops, Rapeseed/ Canola, Linseed, Safflower, Wheat, Oats, Barley, Rye, Triticale, Improved annual Pastures,	Dide Oat wite, neulegged zal ut wite	NSW UNIY	140 0F 300 IIIL	10 days (Harvest) 2 days (Grazing)	mite activity is severe also spray headlands and surrounding vegetation prior to seedling emergence.
Established perennial pastures Cotton (Young Plants)	Cutworm (Agrotis spp.)	QId, NSW, WA	900 mL in minimum	4 weeks (Harvest)	Apply immediately infestation is observed. Apply follow-up treatments as required.
		only	of 100 L water 700 or 900 mL	4 weeks (Grazing)	
	Southern Armyworm ( <i>Persectania ewingil</i> ), Common Armyworm ( <i>Mythimna convecta</i> )		700 01 900 111		Spray over total crop area when infestation is widespread. When pests are moving as an "army" treat a broad strip over and in advance of the infestation. Late stage instar: Use higher rate when larvae 3 cm in length. Apply follow-up treatments as required.
	Pink Spotted Bollworm Moth	Qld, WA only	1 L		Apply when 10-15 moths are trapped on two consecutive nights. This prevents infestation of bolls by larvae.
w c c	Spur-throated Locust	QId, NSW, WA only	1.25 or 1.5 L		Spray areas of crop infested with locusts. Apply spray to trees or roosting sites to control swarming adult locus Late stage hoppers or adult: Use higher rate.
	Wingless Grasshopper	_	500 mL		Spray areas of crop infested with grasshoppers. Apply also as a barrier across the line of advance when grasshoppers are invading the crop.
	Cotton Aphid Cotton Flea Beetle, Red Shouldered Leaf Beetle	_	300 or 400 mL 900 mL or 1.5 L		Apply when pests first appear. Respray as indicated by field inspection. Use higher rate for higher populations. Apply when pests are present. Use higher rate under heavy pest pressure.
	Springtails	QId, NSW, WA only	300 mL		Spray when large numbers of pests occur and damage is evident. Re-spray as necessary.
	Migratory Locust	Qld, WA only	350 mL		Spray areas of crop, trees and roosting sites infested with locusts.
Hops	Common Armyworm ( <i>Mythimna convecta</i> ), Southern Armyworm ( <i>Persectania ewingi</i> ),	Tas, WA only	160 mL/100 L water	-	Apply as pests indicate, commencing when they first appear.
Lucerne (Young Plants)	Light Brown Apple Moth Cutworm ( <i>Agrotis</i> spp.)	Qld, NSW, Tas,	900 mL in a	2 days (Grazing)	Apply immediately infestation is observed. Apply follow-up treatments as required.
		WA only	minimum of 100 L water		
	Cutworm (Agrotis munda and A. infusa)	Vic only SA only	700 mL in a minimum of 100 L water		
Lucerne	Webspinner caterpillar ( <i>Loxostege</i> spp.)	QId, NSW, WA only	700 mL		Spray when pests appear.
	Lucerne leaf roller ( <i>Merophyas divulsana</i> )	1	300 or 400 mL	1	Apply when pests first appear. Late stage instar: Use higher rate when larvae 1.5 cm in length are present and/or under heavy pest pressure
Lucerne and Medics in Pasture and	Spotted Alfalfa Aphid, Blue Green Aphid	NSW only	200 or 300 mL	1	Spray when aphids first appear. Use the higher rate when large numbers of aphids are invading the crop.
Forage Crops		Qld, Tas, SA,			Seedling Lucerne, Medics: Apply when 1-2 aphids/plant are observed.
	Pea Aphid	WA only Qld, NSW, Vic,	-		Established Lucerne, Medics: Apply when 20-40 aphids/stem are observed.
Sitona	Sitona Weevil	Tas, SA only NSW, Vic, Tas,	350 mL		Apply October to December or in autumn when adults occur in damaging numbers.
Maize, Soybeans, Sunflower	False Wireworm, Cockroaches,	SA, WA only Qld only	100 mL plus 125 mL	_	Apply at planting of crop.
	Field Crickets		sunflower oil /2.5 kg cracked wheat or cracked sorghum4		See General Instructions on preparation of cracked wheat or sorghum bait.
Pasture	Lawn Armyworm (Spodoptera mauritia)	QId, NSW, WA only	700 mL	2 days (Grazing)	Spray over total crop area when infestation is widespread. When pests are moving as an "army" treat a broad strip over and in advance of the infestation. Apply follow-up treatments as required.
	Sod Webworm (Herpetogramma licarsisalis)	Qld, WA only	-		Spray as early as possible once pests appear. Apply from the ground with boom or mister. Re-spray as necessary.
	Blackheaded Pasture cockchafer	NSW, Tas, Vic, SA, WA only	900 mL		Treat when larvae are actively foraging as indicated by numerous piles of fresh soil, or casts on the surface. Th usually occurs after showers of rain following short dry spells. Apply by ground-rig boom.
	Winter Corbie ( <i>Oncopera rufobrunnea</i> ), Corbie ( <i>Oncopera intricata</i> )	Tas only			Apply May to July for Winter Corbie and August to September for Corbie, when and where examination of pastu shows damaging numbers of grubs.
Pasture, Forage Crops	Underground Grass Grub (Oncopera fasciculatus)	NSW, Vic, SA, WA only			Apply when caterpillars are actively feeding. Spray before noticeable damage has occurred. Graze pasture prior to spraying to ensure penetration of spray into the pasture sward.
	Brown Pasture Looper (Ciampa arietaria)	NSW, Vic, Tas,	700 mL	-	Spray at first sign of pasture infestation.
	Pasture Webworm (Hednota spp.)	SA, WA only			Spray at first sign of damage. Apply from the ground with boom or mister or apply by air.
Rapeseed/ Canola	Wireworm, False Wireworm	Qld only	1 or 1.5 L/ha	-	Apply as a broadcast application. Use higher rate with extreme population numbers. See General Instructions on soil application.
Rice	Bloodworm	NSW, WA only	60 or 150 mL	10 days	Use higher rate when water more than 15 cm or amount of decaying plant material is high.
	Brown planthopper	Qld, WA only	1.5 L		Apply when pest numbers reach 1-2 per tiller and repeat as necessary.
Sorghum <b>Note:</b> DO NOT use on Sugar Drip or Alpha Sorghum.	Southern Armyworm ( <i>Persectania ewingil</i> ), Common Armyworm ( <i>Mythimna convecta</i> )	Qld, NSW only	700 or 900 mL	2 days (Harvest) 2 days (Grazing)	Spray over total crop area when infestation is widespread. When pests are moving as an "army" treat a broad strip over and in advance of the infestation. Late stage instar: Use higher rate when larvae 3 cm in length. Apply follow-up treatments as required.
Check new varieties before applying to entire crop	Cutworm ( <i>Agrotis</i> spp.)		900 mL in minimum of 100 L water		Apply immediately infestation is observed. Apply follow-up treatments as required.
	Spur-throated Locust	_	1.25 or 1.5 L		Spray areas of crop infested with locusts. Apply spray to trees or roosting sites to control swarming adult locus Late stage hoppers & adults: Use higher rate.
	Australian Plague Locust		350 mL		Adults: Spray areas of crop infested with locusts. Hoppers: Spray a swath in advance of marching band and then spray along the dense marching front. Continue spraying until all hoppers have been contacted.
	Migratory Locust	Qld only			Spray areas of crop, trees and roosting sites infested with locusts.
	Sorghum Midge	Qld, NSW only	500 mL		Check regularly (preferably in the morning) and apply when 1-2 midge per head are present from first emergence of boot to pollen shedding. With repeated attack spray at intervals of 5 days or less.
	Corn Aphid ( <i>Rhopalosiphum maidis</i> )	Olderby	100 ml alva 105 a 1		Apply when damaging populations of aphids occur.
	False Wireworm, Cockroaches, Field Crickets	Qld only	100 mL plus 125 mL sunflower oil / 2.5 kg cracked wheat or cracked sorghum4	-	Apply at planting of crop.
Sugarcane	Southern Armyworm ( <i>Persectania ewingil</i> ), Common Armyworm ( <i>Mythimna convecta</i> )	Qld, WA only	700 or 900 mL	7 days (Harvest) 2 days (Grazing)	Spray over total area when infestation is widespread. When pests are moving as an "army" treat a broad strip over and in advance of the infestation.
	Spur-throated Locust	_	1.25 or 1.5 L		Late stage instar: Use higher rate when larvae 3 cm in length. Apply follow-up treatments as required. Spray areas of crop infested with locusts. Apply spray to trees or roosting sites to control swarming locusts.
	Australian Plague Locust, Migratory Locust	NSW, Qld only	350 mL		Late stage hoppers & adults: Use higher rate. Adults: Spray areas of crop infested with locusts. Hoppers: Spray a swith in advance of marching hand and then spray along the dense marching front. Continue
	Sugarcane Wireworm	QId, NSW, WA	1.5 L		Hoppers: Spray a swath in advance of marching band and then spray along the dense marching front. Continue spraying until all hoppers have been contacted. Spray areas of crop, trees and roosting sites infested with locust Apply as a low pressure (less than 35 kPa) or gravity feed spray onto the plant sett and adjacent soil, at the point of the plant set and adjacent soil.
	Symphylids	only Qld, WA only	2 L		of exit from the rear of the planting machine, immediately prior to soil cover being brought in over the set.
	African Black Bootla, Black Bootla	NOW WA orbit	1.51	1	Apply at planting as retearing Apply as a law pressure (loss than 25 HDs) as growing for a series and the slowt

Apply at planting or rationing. Apply as a low pressure (less than 35 kPa) or gravity feed spray onto the plant

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

Care should be taken when applying this product to any released sorghum hybrid or variety. Treat a small area first and observe for 3-4 days.

### PROTECTION OF LIVESTOCK

Dangerous to bees. DO NOT spray any plants in flower while bees are foraging.

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

Highly toxic to birds and reptiles. Very highly toxic to fish and aquatic invertebrates. DO NOT contaminate streams, rivers or waterways with the chemical or used containers. DO NOT apply if heavy rains or storms that are likely to cause surface runoff are forecast in the immediate area within two days of application. DO NOT re-apply to the same crop within 7 days (unless specifically recommended in the Directions for Use). DO NOT apply when irrigating, or to waterlogged soil, or while water remains on the surface or in furrows, unless tailwater is captured on farm. DO NOT allow contaminated runoff water from treated paddocks to enter adjacent areas or water bodies. Run-off contaminated by irrigation events (tailwater) and a 25mm rain storm should be captured on farm for two days after application.

### SMALL SPILL MANAGEMENT

Wear appropriate clothing and protective equipment whilst cleaning up small spills (see SAFETY DIRECTIONS). Apply absorbent material such as earth, sand, cat litter or clay granules to spill. Sweep up material and contain in a refuse vessel for disposal. If spilled inside a building, wash contaminated surfaces to deactivate the chlorpyrifos with a dilute solution of bleach (sodium hypochlorite), prepared according to the bleach label instructions. Dispose of the contaminated material in accordance with STORAGE AND DISPOSAL instructions below.

#### STORAGE AND DISPOSAL

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 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 bury empty containers in a local authority landfill. If no landfill is available, bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt. For refillable containers: Empty contents fully into application equipment. Close all valves and return

to point of supply for refill or storage.

#### SAFETY DIRECTIONS

Product is poisonous if absorbed by skin contact, inhaled or swallowed. Repeated exposure may cause allergic disorders. Repeated minor exposure may have a cumulative poisoning effect. May cause damage to organs through prolonged or repeated exposure. Very toxic to aquatic life with long lasting effects. Will irritate they eyes and skin. Avoid contact with eyes and skin. DO NOT inhale vapour or spray mist. When opening the container and preparing spray and using the prepared spray, wear chemical resistant clothing buttoned to the neck and wrist, washable hat and elbow-length PVC gloves, goggles, chemical resistant footwear and half facepiece respirator with combined dust and gas cartridge. If clothing becomes contaminated with product or wet with spray remove clothing immediately. If product on skin, immediately wash area with soap and water. If product in eyes, wash it out immediately with water. After use and before eating, drinking or smoking, wash hands, arms thoroughly with soap and water. After each day's use, wash gloves, face shield or goggles, respirator and contaminated clothing.

#### **FIRST AID**

If swallowed, splashed on skin or in eyes, or inhaled, contact a Poisons Information Centre. Phone Australia 131126 or a doctor at once. Remove any contaminated clothing and wash skin thoroughly. If swallowed, activated charcoal may be advised. Give atropine if instructed. If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor

### SAFETY DATA SHEET

For further Information refer to the Safety Data Sheet (SDS).

#### CONDITIONS OF SALE

The use of this product is beyond the control of Sabakem Pty Ltd. No warranty is expressed or implied regarding the suitability or efficiency for any purpose for which it is used by the buyer. Sabakem Pty Ltd accepts no responsibility for any consequences resulting from the use of this product. Sabakem Pty Ltd will not be held liable for any loss, injury or damage arising from the sale, supply or use of this product, whether through negligence or otherwise. No responsibility will be accepted for any consequences whatsoever resulting from the use of this product.

Additional statements required by Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia: None.

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4. MISCELLANEOUS					
Tobacco	Wireworm, False Wireworm, Cutworm	Vic, WA only	3 L	-	Apply as a pre-plant spray to cultivated soil surface. Incorporate immediately by rotary hoeing to a depth of 10 cm.
					planting if Black Beetles re-occur.

1.5 L

NSW, WA only

RESTRAINTS: D0 NOT spray polycarbonate surfaces/roof sheeting or aged vinyl wall cladding as solvent may cause etching.

African Black Beetle, Black Beetle

SITUATION	mestic, residential or public spaces.	STATE	RATE Vol/ha	CRITICAL COMMENTS	8			
Commercial and industrial areas to which	Cockroaches (residual control and/or heavy	All States	95mL/10L water		s v pressure spray to the point of run-off, to cracks, crevices, harbourages and other places where pests may occur.			
the public does not have access	infestations), Spiders	All States		For optimum control o	of webbing spiders, use a 2- part freatment. After applying as a coarse, low pressure spray to harbourages where ir, apply a light spray over the surfaces of the building.			
	Silverfish, Cockroaches (light infestations)		50mL/10L water					
	Ants		95mL/10L water Use at least 1L of	Locate ant nests and treat appropriately. Spray ant tracks, nests or where ant activity is noticed. Apply to paths in continuous 30cm bands. Apply to base of buildings, walls, fences, rockworks, trunks of shrubs and trees and other hard surfaces to a height of 30cm. Note: Argentine ants in WA: All occurrences of Argentine ants are to be reported to the WA Department of Agriculture. Note: DO NOT apply inside buildings except as a crack and crevice treatment. DO NOT apply to surface areas such as interior floors and walls.				
	Argentine Ants	NSW, Vic, Tas, SA, WA only	spray/10m <sup>2</sup> infested area					
	Fleas (outdoor use only)	Qld, NSW, Tas,	90mL/10L water	Apply as a fine particle	e spray.			
		SA, WA, NT only			e animals rest and/or where pests have been seen. Remove animals during treatment and until spray deposits dry. h this product. Pets should be treated with a product registered for application to animals			
Light Vegetation – DO NOT use in	Magguita Jarupa	QId, NSW, Vic,	30mL/ha					
residential areas, around houses or in publicly accessible spaces	Mosquito larvae	WA, NT only	SUITE/TIA		as a spray to areas infested with mosquitoes.			
Medium Vegetation – DO NOT use in residential areas, around houses or in publicly accessible spaces			60mL/ha					
Heavy Vegetation – DO NOT use in residential areas, around houses or in publicly accessible spaces			105mL/ha					
Light to Medium Vegetation – DO NOT use in residential areas, around houses or in publicly accessible spaces	Mosquito adults	All States	60mL/ha					
Medium to Heavy Vegetation – DO NOT use in residential areas, around houses or in publicly accessible spaces			105mL/ha					
Polluted Water Impoundments	Mosquitoes (larvae and adults)		2mL/10,000L water or 20mL/100m <sup>2</sup>					
Hides/skins	Hide Beetles	All States	200mL/100L water. Use at least 30mL of spray/skin	Apply spray to flesh side of skins or hides sufficient to moisten them. Ensure coverage of ears and lugs. To minimise the chance of later infestation, storage areas should be sprayed regularly. Repeat application every three months. Access through bales should b maintained for application of insecticides.				
SITUATION	INSECT	STATE	RATE Vol/ha	WITHHOLDING PERIOD	CRITICAL COMMENTS			
Commercial Turf to which the public does	Crickets	Qld, WA only	2.5kg bran bait <sup>2</sup>	2 days (Grazing)	Baits should only be used on turf farms not on recreational turf. See General Instructions for Bait preparation.			
not have access	Funnel Ant	Qld, NSW, WA only	Field Application: 2L per ha Spot Spraying: 5mL/5L water	-	For spot spraying apply 30 mL spray to each mound. In areas of high density a repeat application may be necessary to ensure thorough mound coverage.			
	African Black Beetle	QId, NSW, Vic, WA only	6L/ha or 60mL/100 m <sup>2</sup>		Apply to lawn when pests appear. Water in immediately after application.			
	Argentine Stem Weevil	NSW, Vic, Tas, SA, WA only	4L/ha or 40mL/100 m <sup>2</sup>		Lightly water following application. Apply as late in the day as possible.			
	Blackheaded Pasture cockchafer		900mL/ha or 9mL/100 m <sup>2</sup>		Use sufficient water to give even coverage. Apply as late in the day as possible.			
	Brown Pasture Looper		700mL/ha or 7mL/100 m <sup>2</sup>		Apply when pests first appear.			
	Pasture Webworm				Spray at first sign of damage. Apply with ground-rig boom or mister. Apply as late in the day as possible.			
	Lawn Armyworm	Qld, NSW, Vic, SA, WA only			Spray over total lawn area when infestation is present. When pests are moving treat strip over and in advance of infestation. Apply follow-up treatments as required.			
	Sod Webworm	All States			Apply as soon as pests appear. Repeat as required.			
	Underground Grass Grub ( <i>Oncopora fasciculatus</i> )	NSW, Vic, SA, WA only	900mL/ha or 9mL/100 m²		Apply when caterpillars are actively feeding. Spray before noticeable damage has occurred. Apply as late in the day as possible.			
	Winter Corbie (Oncopera rufobrunnea),	Tas only	900mL/ha		Apply May to July for Winter Corbie and August to September for Corbie.			
	Corbie (Oncopora intricata)							

1. Refer Withholding Period Statements below

2. Refer to Mixing instructions on preparation of bran bait.

3. Including: asparagus, beans, beetroot, broccoli, brussels sprouts, cabbages, cauliflowers, capsicums, carrots, celery, eggplants, onions, peas, potatoes, radishes, rhubarb, shallots, sweet potatoes, tomatoes and turnips.

4. Refer to mixing instructions on preparation of cracked wheat or cracked sorghum bait.

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