

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

***SUPRACIDE*[®] 400**

EMULSIFIABLE CONCENTRATE INSECTICIDE

ACTIVE CONSTITUENT: 400 g/L METHIDATHION
(an anticholinesterase compound)

GROUP 1B INSECTICIDE

Controls certain Insect Pests in Orchards, Sub-Tropical Crops, Vegetables, Cereals, Pastures, Forage Crops, Cotton, Sunflowers, and other crops as per Directions for Use

IMPORTANT: Read the attached booklet before use

5, 20 LITRES

Syngenta Crop Protection Pty Limited
Level 1, 2-4 Lyonpark Road, Macquarie Park NSW 2113

In a transport emergency dial 000, Police or Fire Brigade
For specialist advice in an emergency only, call 1800 033 111 (24 hours)

APVMA Approval No: 33041/5 or 20/1108
Item number



syngenta

STORAGE AND DISPOSAL

Store in the closed, original container in a cool, well ventilated area. DO NOT store for prolonged periods in direct sunlight. Store in a locked room or place away from children, animals, food, feedstuffs, seed and fertilisers.

Triple or preferably pressure rinse containers before disposal. Add rinsings to the 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.

SAFETY DIRECTIONS

Very dangerous, particularly the concentrate. Product is poisonous if absorbed by skin contact, inhaled or swallowed. Repeated minor exposure may have a cumulative poisoning effect. Avoid contact with eyes and skin. DO NOT inhale spray mist. Obtain an emergency supply of atropine tablets 0.6 mg. When opening container, preparing spray and using the prepared spray wear:

- protective waterproof clothing
- elbow length PVC gloves
- full facepiece respirator with combined dust and gas cartridge (canister)

If product or spray on skin immediately wash area with soap and water. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use wash gloves, respirator (if rubber wash with detergent and warm water) and contaminated clothing.

FIRST AID

If swallowed, splashed on skin or in eyes, or inhaled, contact a Poisons Information Centre Phone 131 126 or a doctor at once. Remove any contaminated clothing and wash skin thoroughly. If swallowed, activated charcoal may be advised. Give atropine if instructed.

MATERIAL SAFETY DATA SHEET

If additional hazard information is required, refer to the Material Safety Data Sheet. For a copy phone 1800 067 108 or refer to our website www.syngenta.com.au

MANUFACTURER'S WARRANTY AND EXCLUSION OF LIABILITY.

Syngenta has no control over storage, handling and manner of use of this product. Where this material is not stored, handled or used correctly and in accordance with directions, no express or implied representations or warranties concerning this product (other than non-excludable statutory warranties) will apply. Syngenta accepts no liability for any loss or damage arising from incorrect storage, handling or use.

® Product names marked ®, the SYNGENTA logo and the CP FRAME

* Trademark



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APVMA Approval No: 33041/5 or 20/xxxx

Item No.:

UN 3018 ORGANOPHOSPHORUS PESTICIDE, LIQUID, TOXIC, N.O.S. (METHIDATHION) PACKAGING GROUP II HAZCHEM 2X		In a transport emergency dial 000, Police or Fire Brigade For specialist advice in an emergency only call 1 800 033 111 (24 hours)
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Batch Number	
Date of Manufacture	



BARCODE



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DIRECTIONS FOR USE

Restrictions: The effect of this product could be diminished if rain falls within 6 hours of spraying

Citrus: DO NOT apply after the commencement of flowering to Oranges and Mandarins in Queensland Coastal Regions
DO NOT use on citrus when high humidity (greater than 45% relative humidity) and/or slow drying conditions are present

DO NOT use oil spray mixture on any citrus

Mangoes: DO NOT use in combination with oil after fruit set and while fruit is on the tree

DO NOT use if largest fruit on the tree is larger than 5 cm in diameter

DO NOT tank mix with other products

TREE AND VINE CROPS

Rate				Critical Comments		
In the following table: "Orchards and Vineyards" all rates given are for dilute spraying. For concentrate spraying, refer to the Mixing/Application Section.				For all uses in the table "Orchards and Vineyards": 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 concentrate spraying methods.		
Orchards and Vineyards						
Crop	Insect	State	Rate		WHP	Critical Comments
			Dilute Spraying (rate/100 L)	Aircraft (rate/ha)		
Apples, Pears Spring and Summer Treatment	Codling Moth, Lightbrown Apple Moth, Two-spotted Mite	Qld only	125 mL	-	14 days	Start application at petal fall and continue spraying at 21 day intervals as required. For best results ensure thorough coverage of foliage and fruit. Refer to "Precautions" in General Instructions.
	Codling Moth, Lightbrown Apple Moth, Two-spotted Mite, Woolly Aphid	NSW, Vic, Tas, SA, WA only				Start application at petal fall and continue spraying at 21 day intervals as required. For best control of San José Scale and Mealybug, at least 3 applications commencing at petal fall are recommended. If Codling Moth and Lightbrown Apple Moth are severe problems, shorten interval to 14 days between treatments until pest activity decreases. Spraying interval should be shortened if heavy rain falls soon after application. For best results ensure thorough coverage of foliage and fruit. Where Woolly Aphid, Mealybug and San José Scale are present, pay particular attention to thorough coverage of limbs and branches. These applications will keep Woolly Aphid in check during the period they are applied. The addition of a specific miticide will be necessary when mite resistance occurs. Frequent observations of mites are desirable to avoid population build up.
	San José Scale	Qld, NSW, Vic, SA, WA only				
	Mealybug	Vic, Tas, SA, WA only				
Apples, Pears, Stone Fruit Dormant Treatment	San José Scale	Qld, NSW, Vic, SA only			For control of San José Scale apply as late as possible during the dormant period, preferably at budswell. Ensure thorough coverage of limbs and branches. If desired, 1 to 2 L of dormant oil may be added to the spray mixture, but is not necessary for good control of San José Scale. DO NOT apply to stone fruit after the dormant period as partial defoliation of some varieties may occur.	
		WA only	125 mL with 3 L dormant spraying oil			
Apricots Dormant Treatment	Grapevine Scale	Qld, WA only	125 mL		7 days	Apply during winter months prior to bud movement.
Avocados	Banana-spotting Bug, Fruitspotting Bug, Monolepta Beetle					Spray when pests are active. Repeat applications at 7 to 10 day intervals.
	Latania Scale, Redbanded Thrips					Spray thoroughly as required.

Crop	Insect	State	Rate		WHP	Critical Comments
			Dilute Spraying (rate/100 L)	Aircraft (rate/ha)		
Citrus	Mealybug	SA, WA only	125 mL with a non-ionic surfactant at label rates (Qld, Vic, SA, WA); 125 mL (NSW); DO NOT mix with spraying oils	-	21 days	Apply during November/February period. Two sprays may be required under conditions of very heavy red scale infestation, the first during late November/December, the second during January/February. In SA spraying may commence one month earlier. Pest populations should be regularly monitored and applications should only occur once local pest thresholds are exceeded. Ensure thorough coverage of foliage, limbs and branches. Warning: Refer to Restraints Section.
	Red Scale	NSW, Vic, SA, WA only				
	White Wax Scale	NSW only				
		WA only				
	Red Scale, White Wax Scale	Qld only				
	Circular Black Scale, Pink Wax Scale, Soft Brown Scale	Qld, WA only				
	Citrus Leafminer		125 mL with a non-ionic surfactant at label rates			Apply as necessary at growth flushes. Warning: Refer to Restraints Section.
					Spray when larvae are on the leaves - mid-December in warmer districts, to mid-January in cooler areas of NSW. Spray thoroughly. Pest populations should be regularly monitored and applications should only occur once local pest thresholds are exceeded. A follow-up application may be required. Warning: Refer to Restraints Section.	
					Spray in December/January period. Pest populations should be regularly monitored and applications should only occur once local pest thresholds are exceeded. Apply a second spray 2 weeks later if infestation is very heavy. Spray thoroughly. Warning: Refer to Restraints Section.	
					Spray in late November/early December and again in late January/early February. Warning: Refer to Restraints Section. Ensure thorough coverage of foliage, limbs and branches. Scale spray applications also control Orange Fruit Borer, Mealybug and Black Citrus Aphid. DO NOT apply more than twice in any one season. Refer to "Precautions" in General Instructions.	

Crop	Insect	State	Rate		WHP	Critical Comments
			Dilute Spraying (rate/100 L)	Aircraft (rate/ha)		
Citrus	Bronze Orange Bug, Spined Citrus Bug	Qld, WA only	125 mL with a non-ionic surfactant at label rates	-	21 days	Use as required. Apply before Bronze Orange Bugs reach adult stage. Warning: Refer to Restraints Section.
			30 mL with a non-ionic surfactant at label rates			Use where integrated control practices are being followed. These low rates of SUPRACIDE may not provide equivalent control to full strength recommendations, but will suppress aphid and bug populations, whilst having minimum effect on desirable insects such as parasites of scale insects and predatory ladybirds. Warning: Refer to Restraints Section.
	Black Citrus Aphid		25 mL			
	White Louse Scale		125 mL with a non-ionic surfactant at label rates			Apply at any time of year, directing the spray to achieve thorough coverage of trunk and limbs. For severe infestation the canopy of the tree should also be thoroughly sprayed. Pest populations should be regularly monitored and applications should only occur once local pest thresholds are exceeded. A follow-up application may be required. Warning: Refer to Restraints Section.
	<i>Blastobasis</i> spp Sorghum Head Caterpillar		125 mL			Monitor fruit early February to harvest on a fortnightly basis. Spray if 10 or more freshly fallen fruit per tree are infested at any one time. Warning: Refer to Restraints Section.
	Hemispherical Scale, Long Soft Scale, Purple Scale					Check fruit in October/November. Spray if more than 1 in 10 fruit stalks are infested. Pest populations should be regularly monitored and applications should only occur once local pest thresholds are exceeded. A follow-up application may be required. Warning: Refer to Restraints Section.
	Green Coffee Scale, Pulvinaria Scale					Check leaves in October/November. Spray if more than 1 in 50 leaves are infested. Pest populations should be regularly monitored and applications should only occur once local pest thresholds are exceeded. A follow-up application may be required. Warning: Refer to Restraints Section.
	Citrus Gall Wasp		Spray if more than 1 in 3 twigs are galled. Apply early to mid-December. Timing is critical. Warning: Refer to Restraints Section.			
Grapes Dormant Treatment	Grapevine Scale	Qld, NSW, Vic, SA, WA only	125 mL	-	14 days	Apply during winter months prior to bud movement.

Crop	Insect	State	Rate		WHP	Critical Comments
			Dilute Spraying (rate/100 L)	Aircraft (rate/ha)		
Grapes Spring/ Summer Treatment	Grapevine Moth	Qld, NSW, SA, WA only	65 mL	650 mL		Spray when caterpillars are noticed during spring and early summer. Repeat application if necessary. Spray during late November/December. For late table grapes, spray early November and again late December. Thorough coverage is essential.
	Grapevine Scale		75 mL	750 mL		
		Vic only		-		
	Longtailed Mealybug	Qld, NSW, SA, WA only	125 mL	1.3 L		Spray when caterpillars are first noticed and repeat applications if necessary at 14 to 21 day intervals.
				Vic only		
	Lightbrown Apple Moth	Qld, NSW, SA, WA only		1.3 L		
			Vic only	-		
Common Auger Beetle, Elephant Weevil, Fig Longicorn, Vine Weevil	NSW, WA only			Spray during spring and preferably at monthly intervals or at first signs of adult feeding or egg laying activity.		

TREE AND VINE CROPS

Rate					Critical Comments	
In the following table: "Sub-Tropical Crops", all rates given are for dilute spraying. For concentrate spraying, refer to the Mixing/Application Section.					For all uses in the table "Sub-Tropical Crops": 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 concentrate spraying methods.	
Sub-Tropical Crops						
Crop	Insect	State	Rate		WHP	Critical Comments
			Dilute Spraying (rate/100 L)			
Coffee Non-bearing	Mealybug	Qld, WA only	125 mL with 1 L white oil		21 days	Apply to established infestations.
Custard Apples	Fruitspotting Bug	Qld, NSW, WA only	65 mL		7 days	Apply when pest active.
	Black Scale, Long Soft Scale, Soft Brown Scale		125 mL with a non-ionic surfactant at label rates			Apply thoroughly as required.
	Mealybug					Apply approximately 1 month before harvest and repeat 2 to 3 weeks later. Good spray coverage of fruit is essential.
Macadamia Nuts	Macadamia Felted Coccid	Qld, NSW, WA only	125 mL		21 days	Spray when pests noticed. Repeat applications monthly as necessary. Spray thoroughly.
	Macadamia Nutborer, Macadamia Twig-girdler					
	Banana-spotting Bug, Black Citrus Aphid, Macadamia Leafminer	Qld, WA only				
	Fruitspotting Bug	Qld, NSW, WA only	65 mL			Spray when pests active.

Crop	Insect	State	Rate	WHP	Critical Comments
			Dilute Spraying (rate/100 L)		
Macadamia Nuts	Black Scale, Pink Wax Scale, Soft Brown Scale, White Wax Scale	Qld, WA only	125 mL with a non-ionic surfactant at label rates	21 days	Spray thoroughly in late November/early December, when scale damage is noticed on branches of trees.
	Long Soft Scale, Macadamia Mussel Scale, Macadamia White Scale	Qld, NSW, WA only			
	Citrus Mealybug, Hibiscus Mealybug, Longtailed Mealybug	Qld, WA only			
Mangoes	Mango Scale	Qld, WA, NT only	125 mL with 1 L of a water miscible oil. DO NOT use in combination with oil after fruit set and while fruit is on the tree		Spray thoroughly before fruit reached 5 cm in diameter, and after harvest. DO NOT apply if largest fruit on the tree is larger than 5 cm in diameter. Warning: Refer to Restraints Section.
	Pink Wax Scale	Qld, NSW, WA, NT only			Spray as required until largest fruit is 5 cm in diameter, and after harvest. DO NOT apply if largest fruit on the tree is larger than 5 cm in diameter. Warning: Refer to Restraints Section.
	Mango Tipborer	Qld, NSW, WA, NT only			Spray when pests are active until largest fruit is 5 cm in diameter, and after harvest. DO NOT apply if largest fruit on the tree is larger than 5 cm in diameter. Warning: Refer to Restraints Section.
	Leafminers (<i>Acrocercops</i> spp)	Qld, WA only			Apply as a cover spray February to March when trees are flushing and beetles emerge from seed. A repeat canopy spray when fruit is 2 to 3 cm in diameter will kill the adult weevil. Warning: Refer to Restraints Section.
	Mango Seed Weevil	Qld, NSW, WA only			
Passionfruit	Mealybug	Qld, NSW, WA only	125 mL with a non-ionic surfactant at label rates	14 days	Apply 1 to 2 applications (2 to 3 weeks apart) depending on the degree of infestation.
	Red Scale				Apply early December and again late January/early February.
	Scale Insects		125 mL		Apply the spray when scale populations build up to high levels. Ensure thorough coverage. Better activity against Black Scale may be achieved by application when the insects are in the young stages.

NON TREE AND VINE CROPS

Sundry Crops and Pastures						
Crop	Insect	State	Rate		WHP	Critical Comments
			By Boom Spray, Aircraft, Mister (rate/ha)	Dilute Spraying (rate/100 L)		
Cereals	Blue Oat Mite	All States	90 mL	-	1 day	Spray when pests appear in large numbers, 3 to 6 weeks after autumn rains.
Cereals, Pasture and Forage Crops	Lucerne Flea, Redlegged Earth Mite	NSW, Vic, Tas, SA, WA only				If pest numbers build up during the season, spray again. For best results, avoid spraying when pests are sheltering. Spray when at least 2.5 cm cover of pasture or crop is present.
	Common Armyworm	Qld, NSW, Vic, SA, WA only	1.4 L		7 days for grazing/ fodder OR 6 weeks for grain for human consumption	Spray at first sign of infestation.
	Southern Armyworm (Barley Grub)	NSW, Vic, Tas, SA, WA only				
Cereals, Pastures, Forage Crops, Oilseeds, Lucerne Bare earth situation	Blue Oat Mite, Lucerne Flea, Redlegged Earth Mite	NSW, Vic, SA, WA only	200 mL		7 days	Apply as a ground spray, immediately prior to seedling emergence using sufficient water to give good coverage. If pest activity is severe, also spray the headlands and surrounding vegetation prior to emergence. Spring fallow treatment in previous season will aid in reducing insect pressure. The length of residual control will depend on environmental conditions. A second application may be required for later hatchings.
Cotton	Mites (Knockdown and short residual control)	Qld, NSW, NT only	1.4 L	-	3 days	Ideally spray when infestation is light to moderate. If mite populations are high or conditions favour a build-up, repeat application in 5 to 7 days. Spray with good coverage in at least 20 L water/ha. DO NOT apply more than 3 times during the season.

Crop	Insect	State	Rate		WHP	Critical Comments
			By Boom Spray, Aircraft, Mister (rate/ha)	Dilute Spraying (rate/100 L)		
Lucerne	Lucerne Leafroller	All States	850 mL	-	7 days for grazing/ fodder OR 6 weeks for grain for human consumption	Spray when the pest first appears and repeat as necessary.
	Sitona Weevil	NSW, Vic, SA, WA only	1.4 L			Apply at first sign of serious infestation. Re-spraying may be necessary if conditions favour further emergence of weevils from the soil.
	Spotted Alfalfa Aphid	Qld, NSW, SA, WA only	750 mL			Apply as soon as practical following cutting and repeat as necessary.
	Bluegreen Aphid	Qld, NSW, WA only				
Lupins	Cowpea Aphid	SA, WA only	1 L		7 days	Apply when pests active.
	Lucerne Flea, Redlegged Earth Mite	Vic, SA, WA only	90 mL		1 day	Spray when pests appear in large numbers at seedling emergence.
Pasture	Blackheaded Pasture Cockchafer	NSW, Vic, Tas, SA, WA only	1 L		7 days for grazing/ fodder OR 6 weeks for grain for human consumption	Spray when rain is imminent. Rain is required for cockchafer to surface.
Rice	Common Armyworm	Qld, WA only	1.4 L		6 weeks	Spray at first sign of infestation.
Sunflowers	Grey Cluster Bug, Rutherglen Bug	Qld, NSW, Vic, WA only	1 L		3 days	Apply when infestation is serious. Repeat applications may be necessary.

Vegetables							
Crop	Insect	State	Rate			WHP	Critical Comments
			Boom Spray (rate/ha)	Dilute Spraying (rate/100 L)	Knapsack (rate/15 L)		
Beans	Aphids	Qld, Vic, Tas, SA, WA only	1.4 L	125 mL	20 mL	7 days	Apply at the first signs of infestation. Re-spray as necessary.
Eggplant	Aphids, Leafhoppers						Spray when necessary.
Garlic	Onion Thrips	Qld, Vic, Tas, SA, WA only	750 mL	75 mL	10 mL		Spray thoroughly when pests observed. A follow-up application 7 to 10 days later may be necessary.
Onions		All States					
Peas	Aphids, Loopers	Qld, Vic, Tas, SA, WA only	1.4 L	125 mL	20 mL		Apply at the first signs of infestation. Re-spray as necessary.
Potatoes	Rutherglen Bug	All States	1 L	-	-		Spray at the first of infestation. Repeat applications as necessary.
	Loopers	Qld, Vic, Tas, SA,	1.4 L	125 mL	20 mL		
Tomatoes	Leafhoppers	WA only					Spray when necessary.
	Aphids	All States					Spray at first sign of infestation. Repeat applications at 10 to 14 day intervals or as required.
	Cutworms	Qld, Vic, Tas, SA,	1.4 to 2.8 L				Spray thoroughly, including soil around plants.
	Onion Thrips	WA only	750 mL	75 mL	10 mL	Spray thoroughly when pests observed. Re-spray as necessary.	
	Rutherglen Bug	All States	1 L	-	-	Spray during periods of serious infestation. Repeat application as necessary if reinfestation occurs from surrounding areas.	

Turf						
Crop	Insect	State	Rate		WHP	Critical Comments
			Rate/100 m ²	Rate/ha		
Turf	Argentine Stem Weevil, Couchtip Maggot	SA, WA only	40 mL	4 L	Nil	Use a water volume of 8 L/100 m ² (800 L/ha).
	Couchgrass Mite, Couchgrass Scale	Qld, SA, WA only				Apply at 10 day intervals as required. DO NOT graze treated turf or feed grass clippings from treated turf to animals.
	Mealybug		105 mL	10.5 L		Use a water volume of 14 L/100 m ² (1400 L/ha). Apply at 10 day intervals as required. DO NOT graze treated turf or feed grass clippings from treated turf to animals.

Ornamentals, Trees, Shrubs, Annuals					
Plant	Insect	State	Rate	WHP	Critical Comments
			Dilute Spraying (rate/100 L)		
Flower and Vegetable Seedlings	Aphids, Armyworm, Cutworm, Leafhoppers, Thrips, Weevils	Qld, NSW, Vic, Tas, SA, WA only	100 to 125 mL	Nil	Apply at the first sign of infestation and repeat at 10 to 14 day intervals as necessary. Some leaf scorching may occur on tender young foliage.
Ornamentals in nurseries, parklands and gardens.	Aphids, Armyworm, Cutworm, Grasshoppers, Leafhoppers, Mealybug, Scale Insects, Thrips, Weevils				Apply at the first sign of infestation and repeat at 10 to 14 day intervals.
Orchids	Aphids, Black Scale, Orchid Beetle, Orchid Scale, Soft Brown Scale, Slugs and Snails, Thrips		125 mL		Apply spray thoroughly at the first signs of pest activity. Scale insects are most effectively controlled when sprayed in the crawler (larval) stage. DO NOT spray during flowering period.
Trees and Shrubs in nurseries, parks and forestry situations	Aphids, Armyworm, Cutworm, Leafhoppers, Leafminers, Lerp Insects, Sawflies, Scale Insects, Soft Scales, Thrips		Apply at the first sign of infestation and repeat if re-infestation occurs. Spray scale insects in the crawler stage for most effective control.		

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

THIS PRODUCT IS TOO HAZARDOUS FOR USE IN THE HOME GARDEN

IN TASMANIA THIS PRODUCT MUST NOT BE APPLIED BY AIRCRAFT WITHOUT THE SPECIFIC APPROVAL OF THE REGISTRAR OF PESTICIDES

WITHHOLDING PERIODS

Vegetables, Custard Apples:

DO NOT HARVEST FOR 7 DAYS AFTER APPLICATION

Apples, Pears, Stone Fruits, Grapes, Passionfruit:

DO NOT HARVEST FOR 14 DAYS AFTER APPLICATION

Citrus, Macadamia Nuts, Mangoes:

DO NOT HARVEST FOR 21 DAYS AFTER APPLICATION

Oil Seed Crops (including Cotton):

DO NOT HARVEST FOR 3 DAYS AFTER APPLICATION

Pasture and Forage Crops (including Lucerne, Lupins, Sorghum and Cereal Crops):

DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 1 DAY AFTER APPLICATION OF 90 mL PRODUCT PER HECTARE

DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 7 DAYS AFTER APPLICATION IN EXCESS OF 90 mL PER HECTARE

Grain Crops (including Grain Sorghum, Rice and Cereal Crops):

DO NOT APPLY TO SORGHUM AND CEREAL CROPS WITHIN 6 WEEKS OF HARVEST IF GRAIN INTENDED FOR HUMAN CONSUMPTION

GENERAL INSTRUCTIONS

Mixing

Fill the spray tank $\frac{1}{4}$ full of water. With the agitator or by-pass in operation, slowly add the required amount of product to the spray tank while continuing to fill the tank with water. Add the remainder of the water while continuing to agitate. If oils or surfactants are to be added to the spray tank, add these just before the tank is full of water. Continue agitation throughout the spray operation.

Application

General rates of application are :

- High volume orchard and power sprayers: 65 to 125 mL/100 L water
- Boom sprayer, aircraft, misting machine: 90 mL/ha for earth mites and lucerne flea
850 mL to 1.4 L/ha for other pests
For aerial application use a minimum of 20 to 30 L water/ha
- Knapsack sprayer: 10 to 20 mL per 15 L knapsack

Addition of Surfactants and Oils

Citrus: DO NOT MIX SUPRACIDE WITH OIL ON CITRUS

Mangoes: DO NOT use in combination with oil after fruit set and while fruit is on the tree

Orchards and Vineyards and Sub-Tropical Crops

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 SUPRACIDE specified in the Directions for Use table for each 100 L 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 Spraying*) 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 1500 L/ha
2. Your chosen concentrate spray volume: for example 500 L/ha
3. The concentrate factor in this example is 3X (that is $1500 \text{ L} \div 500 \text{ L} = 3$)
4. If the dilute label rate is 125 mL/100L, then the concentrate rate becomes 3×125 , that is 375 mL/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.

Insecticide Resistance Warning GROUP 1B INSECTICIDE

For insecticide resistance management SUPRACIDE 400 Emulsifiable Concentrate Insecticide is a Group 1B insecticide. Some naturally occurring insect biotypes resistant to SUPRACIDE 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 SUPRACIDE and other Group 1B insecticides are used repeatedly. The effectiveness of SUPRACIDE on resistant individuals could be significantly reduced. Since occurrence of resistant individuals is difficult to detect prior to use, Syngenta Crop Protection accepts no liability for any losses that may result from failure of SUPRACIDE to control resistant insects. SUPRACIDE may be subject to specific resistance management strategies. For further information contact your supplier, Syngenta Crop Protection representative or local agricultural department agronomist.

PRECAUTIONS

This product is deleterious to beneficial insects. Care should be exercised when applying into pest management situations, eg citrus and deciduous fruits. In Qld, DO NOT apply SUPRACIDE sprays for citrus insect pests more than twice in any one season.

Re-entry Period: DO NOT enter treated areas without protective clothing until 48 hours after spraying.

PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

DO NOT apply under weather conditions, or from spraying equipment, that may cause spray to drift onto nearby plants/crops, cropping lands or pastures.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS, ENVIRONMENT AND BEES

Dangerous to fish. DO NOT contaminate streams, rivers or waterways with the chemical or the used container. Dangerous to bees. DO NOT spray any plants in flower while bees are foraging.

STORAGE AND DISPOSAL

Store in the closed, original container in a cool, well ventilated area. DO NOT store for prolonged periods in direct sunlight. Store in a locked room or place away from children, animals, food, feedstuffs, seed and fertilisers.

Triple or preferably pressure rinse containers before disposal. Add rinsings to the 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.

SAFETY DIRECTIONS

Very dangerous, particularly the concentrate. Product is poisonous if absorbed by skin contact, inhaled or swallowed. Repeated minor exposure may have a cumulative poisoning effect. Avoid contact with eyes and skin. DO NOT inhale spray mist. Obtain an emergency supply of atropine tablets 0.6 mg. When opening container, preparing spray and using the prepared spray wear:

- protective waterproof clothing
- elbow length PVC gloves
- full facepiece respirator with combined dust and gas cartridge (canister)

If product or spray on skin immediately wash area with soap and water. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use wash gloves, respirator (and if rubber wash with detergent and warm water) and contaminated clothing.

FIRST AID

If swallowed, splashed on skin or in eyes, or inhaled, contact a Poisons Information Centre.

Phone 131 126 or a doctor at once. Remove any contaminated clothing and wash skin thoroughly. If swallowed, activated charcoal may be advised. Give atropine if instructed.

MATERIAL SAFETY DATA SHEET

If additional hazard information is required, refer to the Material Safety Data Sheet.

For a copy phone 1800 067 108 or refer to our website www.syngenta.com.au

MANUFACTURER'S WARRANTY AND EXCLUSION OF LIABILITY.

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