

POISON

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

Nufarm
Dimethoate
Systemic Insecticide

**ACTIVE CONSTITUENT: 400g/L DIMETHOATE
(an anti-cholinesterase compound)
SOLVENT: 255g/L LIQUID HYDROCARBONS**

GROUP 1B INSECTICIDE

For the control of a wide range of pests on fruit, vegetables, pastures, cotton, lucerne, peanuts and ornamentals as per the Directions For Use table.

**IMPORTANT: READ ATTACHED LEAFLET
BEFORE USING THIS PRODUCT.**

Contents: 500mL
5 Litres
20 Litres

Nufarm Australia Limited
ACN 004 377 780
103-105 Pipe Road
Laverton North Victoria 3026
Tel: (03) 9282 1000
Fax: (03) 9282 1001



GENERAL INSTRUCTIONS:

Before opening, carefully read Directions For Use, Precautionary Statements, Safety Directions and First Aid Instructions.

STORAGE AND DISPOSAL:

Store in the closed, original container in a dry, cool, well ventilated area out of direct sunlight. Store in a locked room or place away from children, animals, food, feedstuffs, seed and fertilisers. Protect from direct sunlight and temperatures above 40°C. If storing for more than 2-3 months, avoid temperatures above 30°C.

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 500mm in a disposal pit specifically marked and set up for this purpose, clear of waterways, desirable vegetation and tree roots. Empty containers and products should NOT be burnt.

SAFETY DIRECTIONS:

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. When opening container and preparing spray, wear cotton overalls buttoned to the neck and wrist, washable hat, elbow-length PVC gloves, face shield and impervious footwear. When using the prepared spray wear cotton overalls buttoned to the neck and wrist and washable hat, elbow-length PVC gloves, impervious footwear and half-face respirator with combined dust and gas cartridge (canister). If product on skin immediately wash area with soap and water. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use, wash gloves, face shield, 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 Australia 13 11 26, 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:

For further information refer to the Material Safety Data Sheet (MSDS).

CONDITIONS OF SALE :

"Any provisions or rights under the Trade Practices Act 1974 or relevant state legislation which cannot be excluded by those statutes or by law are not intended to be excluded by these conditions of sale. Subject to the foregoing, all warranties, conditions, rights and remedies, expressed or implied under common law, statute or otherwise, in relation to the sale, supply, use or application of this product, are excluded. Nufarm Australia Limited and/or its affiliates ("Nufarm") shall not accept any liability whatsoever (including consequential loss), or howsoever arising (including negligence) for any damage, injury or death connected with the sale, supply, use or application of this product except for liability which cannot be excluded by statute."

APVMA Approval No.: 32962/500mL/1006

APVMA Approval No.: 32962/5L/1006

APVMA Approval No.: 32962/20L/1006


In case of emergency: Phone 1800 033 498

Ask for shift supervisor. Toll free 24 hours.

Batch Number:

Date of Manufacture:

Expiry Date:

<p>ORGANOPHOSPHOROUS PESTICIDE, LIQUID, TOXIC, FLAMMABLE (CONTAINS DIMETHOATE AND HYDROCARBON SOLVENT)</p>	 <p>The image shows two GHS hazard pictograms. The first is a white diamond with a black border, containing a black skull and crossbones symbol, with the text 'TOXIC' and the number '6' below it. The second is a red diamond with a black border, containing a black flame symbol, with the text 'FLAMMABLE LIQUID' below it.</p>
<p>UN No: 3017</p>	
<p>PACKAGING GROUP: III</p>	
<p>HAZCHEM: 2W</p>	
<p>IN AN EMERGENCY DIAL: 000 POLICE OR FIRE BRIGADE</p>	<p>SPECIALIST ADVICE IN EMERGENCY ONLY 1800 033 498 ALL HOURS - AUSTRALIA WIDE</p>

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GROUP 1 B INSECTICIDE

For the control of a wide range of pests on fruit, vegetables, pastures, cotton, lucerne, peanuts and ornamentals as per the Directions For Use table.

READ THOROUGHLY BEFORE USING

Nufarm Australia Limited
ACN 004 377 780
103-105 Pipe Road
Laverton North Victoria 3026
Tel: (03) 9282 1000
Fax: (03) 9282 1001

APVMA Approval No.: 32962/1006



DIRECTION FOR USE

RESTRAINT: DO NOT apply to any non-food tree crop (except oil tea tree) or plantation (including Eucalyptus spp.) by air.

1. TREE AND VINE CROPS

Rate		Critical Comments			
This table shows rates for dilute spraying. For concentrate spraying refer to the Mixing / Application Section.		For uses in the table: Apply by dilute or concentrate spraying equipment. Apply the same total amount of product to the target crops whether applying this product by dilute or concentrate spraying methods. For concentrate application- do not use a concentrate spray rate greater than 5 times the dilute spraying rate.			
Crop	Pest Controlled	State	Rate	WHP Days	Critical Comments
Abius, Avocado, Babacos, Carambolas (Five Corner), Casimiroas (White Sapote), Granadillas, Santols, Sapodillas (Chikus), Wax Jambus	Queensland Fruit Fly	Qld, WA only	75mL/100L water	7	Apply when pests appear and repeat as necessary.
	Silvering Thrips & Mites	Qld, NSW, WA, NT only			Apply in at least 1,000 litres of water per hectare when pests appear. Dimethoate will not control OP resistant mites.
	Paper Wasps	NSW, WA only			Spray when wasp activity reaches high level. Thoroughly cover foliage and stems with spray.
Banana	Banana plant destruction and control of banana aphid	NSW, Qld only	For the destruction of banana plants: 100mL Roundup+ per 1L water and inject 5-15 mL prepared solution per plant. and Control of banana aphid: Prepare a solution of 100mL Dimethoate per 100mL water, and inject 30-60mL prepared solution per plant.	Do not allow cattle to graze destroyed crop area while plant residue remains. Produce from treated plants must not be supplied to or otherwise be made available for human or animal consumption	Banana aphid control must only be undertaken to plants following the use of Roundup as directed for plant destruction. Roundup and Dimethoate treatments must be applied separately. Pseudostem: Inject prepared solutions into pseudostem above the growing point. Inject plants over 1 metre tall at two points (Roundup) and three points (Dimethoate) around the stem. Suckers: Inject suckers up to 1 metre tall at lower rate, at one point. Bunches: Where bunches are present, spray the surface of the fruit with red marker dye. Inject once only with each treatment and leave plant to dry out before disturbing further. The treated produce and other plant material must be disposed of appropriately as per local DPI recommendations.
Citrus Fruit (except Meyer Lemons, Seville Oranges & Cumquats)	Queensland Fruit Fly	NSW, Vic, Qld, WA, NT only	75mL/100L water	7	Do not use on Meyer lemons, Seville oranges and cumquats. Apply 2 full cover sprays 2 weeks apart 7 weeks and 5 weeks before harvest. If harvesting is delayed a third spray may be required. WA ONLY Apply about 6 weeks before the fruit ripens. Re-apply at fortnightly intervals. The last spray should be made one week before the fruit ripens. Apply when pests appears and repeat as necessary.
	Mediterranean Fruit Fly	Vic, WA only			
		NSW, WA only	150mL/100L water		
	Aphids, Thrips	All States	75mL/100L water		
	Bronze Orange Bug	NSW, Vic, Qld, SA, WA only			
	Wingless Grasshopper	All States			Apply when grasshoppers appear and re-apply as required. In addition to the infested area spray a band of about 20 metres around the areas to be protected.

1. TREE AND VINE CROPS (CON'T)

Crop	Pest Controlled	State	Rate	WHP Days	Critical Comments
Custard Apple	Queensland Fruit Fly	Qld, WA, NT only	75mL/100L water	7	Apply every 7-14 days as required during fruit ripening. Usually required only in late season: harvesting at mature green stage overcomes the problem to some extent.
	Grapes	Qld, WA only			Apply when pest appears and repeat as necessary.
Mangoes	Aphids, Thrips, Jassids, Mites (inc. Spider Mites)	Qld, Vic, SA, WA, Tas only	75mL/100L water	7	Apply when pests first appear and repeat at 3 weekly intervals or as necessary. Dimethoate will not control OP resistant mites.
	Queensland Fruit Fly	Qld, NSW, Vic, WA, NT only			Apply when pests appear and repeat as necessary.
Pawpaw, Passionfruit	Mediterranean Fruit Fly	WA, Vic, NSW only	75mL/100L water	7	Apply when pests appear and repeat as necessary.
	Aphids (Passionfruit only)	NSW, WA only			
Pome Fruit, Apples, Pears, Quinces (not loquats)	Cucumber Fly (Paw Paw only)	Qld, WA only	150mL/100L water	7	Apply 2 full cover sprays 2 weeks apart 5 and 7 weeks prior to harvest. If harvesting is delayed a third spray may be required. WA ONLY: Apply about 6 weeks before the fruit ripens. Re-apply at fortnightly intervals. The last spray should be applied one week before the fruit ripens.
	Queensland Fruit Fly	NSW only			
	Mediterranean Fruit Fly	WA, Qld, Vic only	75mL/100L water	150mL/100L water	75mL/100L water
		NSW only	75mL/100L water		
	Woolly Aphids	NSW, Vic, SA, Tas, WA only	75mL/100L water	75mL/100L water	Apply when pests appear and repeat as necessary.
	Wingless Grasshoppers, Thrips, Aphids	All States			Apply when pests appear and repeat as necessary. In addition to the infested area spray a band of about 20 metres around the areas to be protected.
Stone Fruits (not Apricots or early Peach varieties)	Queensland Fruit Fly	NSW, SA, WA, Vic, Qld only	75mL/100L water	7	Two applications as thorough fruit and foliage spray 4 weeks and 2 weeks before picking. A third spray may be required if harvest is delayed.
	Mediterranean Fruit Fly	NSW, Vic, WA only			WA ONLY: Apply about 6 weeks before the fruit ripens. Re-apply at fortnightly intervals. The last spray should be made one week before the fruit ripens.
	Aphids	All States	75mL/100L water	7	Apply when pest appears and repeat as necessary.
	Thrips, Wingless, Grasshoppers				Apply when pest appears and repeat at 3 weekly intervals or as necessary.

2. FRUIT AND VEGETABLE CROPS					
Crop	Pest Controlled	State	Rate	WHP Days	Critical Comments
Bean	Bean Fly	All States	75mL/100L water	7	Apply 3 and 7 days after crop emergence and then at weekly intervals until blossom.
	Spider Mites, Thrips, Jassids, Green Vegetable Bug, Aphids		75mL/100L water or 800mL/ha		Apply when pests appear and repeat as necessary. For Green Vegetable Bug in beans apply at first flowering and repeat 3 weeks later. Dimethoate will not control OP resistant mites.
	Redlegged Earth Mite	NSW, Vic, SA, WA, Tas only			Apply when pests appear and repeat as necessary.
Beans, Peas	Cow Pea Aphid	NSW, WA only	350-650mL/ha		Apply when pests appear and repeat as necessary. Use the higher rate in cold weather.
Beetroot, Silverbeet, Lettuce, Celery	Leafmining Fly	NSW, WA only	800mL/ha or 75mL/100L water		Apply when pest damage first appears and repeat as necessary.
Blueberries	Queensland Fruit Fly	NSW, WA only	75mL/100L water or 750mL/ha	1	Make one application before harvest, if fruit fly are present. A maximum number of 7 sprays can be applied per season with a minimum 21 day interval between application. Apply in the afternoon when bees have finished foraging.
Berry Fruit	Aphids, Thrips, Jassids, Spidermites, Redlegged Earth Mite	All States	75mL/100L water or 800mL/ha	7	Apply when pest first appears and repeat at 3 weekly intervals or as necessary. Dimethoate will not control OP resistant mites.
	Strawberry Bug, Rutherglen Bug	Qld, Vic, SA, WA, Tas only	75mL/100L water		
Capsicum	Aphids, Thrips, Green Vegetable Bug, Jassids	All States	75mL/100L water or 750mL/ha	3	Apply when pests appear and repeat as necessary.
	Cucumber Fly	NSW, WA only	75mL/100L water		
	Fruit Fly	NSW, Qld, WA only	750mL/ha or 75mL/100L water		
Cucurbits	Cucumber Fly	NSW, Qld, NT only	75mL/100L water or 750mL/ha low volume	1	Apply when pests appear and repeat as necessary.
	Aphids, Thrips, Green Vegetable Bug, Jassids	All States			
Leafy Vegetables (Cole crops, Lettuce, Silver Beet, Celery)	Aphids, Thrips, Jassids	All States	75mL/100L water	7	Apply when pests appear and repeat as necessary.
Leucaena	Leucaena psyllid	Qld, WA only	340mL/ha	1 (Grazing)	Apply when pest population builds up.
Litchi	Litchi Erinose Mite	Qld, NSW, WA only	75mL/100L water	7	Pre-planting dip: Immerse plants in mixture for 1 minute and drain before planting in the field. Established trees: Apply just before a growth flush and repeat at 14-21 day intervals until all new growth is damage-free.
Peas	Spider Mites, Thrips, Jassids, Green Vegetable Bug, Aphids, Bean Fly	All States	75mL/100L water or 800mL/ha	1 (Grazing) 7 (Harvest)	Apply when pests appear and repeat as necessary. For Green Vegetable Bug apply at first flowering and repeat 3 weeks later. Do not spray when bees are foraging.
	Redlegged Earth Mite	NSW, Vic, SA, Tas, WA only			

2. FRUIT AND VEGETABLE CROPS (CON'T)

Crop	Pest Controlled	State	Rate	WHP Days	Critical Comments
Potatoes	Thrips, Aphids, Jassids, Green Vegetable Bug	All States	75mL/100L water	7	Apply when pests appear and repeat as necessary.
Root Vegetables (Onions, Carrots, Beetroot, Parsnips)	Aphids, Thrips, Jassids				Apply when pests appear and repeat at 3 weekly intervals as required.
	Redlegged Earth Mite	NSW, Vic, SA, Tas, WA only			
Strawberries	Aphids, Spider Mites and/or Thrips	All States		1	DO NOT apply to the entire field area. Apply to the bed, planted area or area covered by plants only, not areas such as walkways. Spray when pests appear and repeat at three weekly intervals or as necessary. Dimethoate will not control OP resistant mites.
	Queensland Fruit Fly, Wingless Grasshoppers	NSW only			
Tomatoes	Queensland Fruit Fly	Qld, NSW, Vic, WA only	750mL/ha or 75mL/100L water	7	QLD ONLY: Apply full cover sprays at 4 and 2 weeks prior to harvest. NSW ONLY: Apply full cover sprays at 4 and 3 weeks prior to harvest. VIC ONLY: Apply at 7 and 5 weeks prior to harvest. WA ONLY: Apply about 6 weeks before fruit ripens. Re-apply at fortnightly intervals. Last spray 1 week before ripening. MISTING MACHINE: Apply 850mL/min. 70L water/ha.
	Mediterranean Fruit Fly	WA, NSW, Vic only			
	Tomato Mite	NSW, SA, Tas, Vic, WA only	60mL/100L		
	Bryobia Mite	SA, Vic, WA, Tas only			
	Aphids, Jassids, Green Vegetable Bug, Thrips	All States	75mL/100L or 750mL/ha		
Vegetables (General) (inc. Legume, Fruiting, Cucurbit, Leafy, Stalk, Stem, Cole, Root, Bulb, Tuber Vegetables)	Aphids, Thrips, Jassids, Mites, Leaf Hoppers, Green Vegetable Bug	All States	75mL/100L water	7 (Cucurbits 1 Day)	Apply when pests appear and repeat as necessary. Dimethoate will not control OP resistant mites.
	Wingless Grasshopper		75mL/100L water or 750mL/ha		Apply when grasshoppers appear and re-apply as required. In addition to the infested area spray a band of about 20 metres around areas to be protected.

3. FIELD AND PASTURE CROPS

Crop	Pest Controlled	State	Rate	WHP Days	Critical Comments	
Adzuki Bean, Cowpea, Mung Bean, Navy Bean, Pigeon Pea	Thrips	NSW, WA only	800mL/ha	14	Two treatments between pre-bloom (just before flower bud formation) and pod initiation may be necessary. If infestation is severe or prolonged apply the first spray at the pre-bloom stage and the second spray at full-flowering. Use sufficient water to give good coverage. Toxic to bees. DO NOT spray plants in flower while bees are foraging.	
	Adzuki Bean	Leafhoppers, Bean Fly, Bean Blossom Thrips.	Qld, WA only		800mL/ha or 75mL/100L water	Apply when pests appear and repeat as necessary. DO NOT spray when bees are foraging.
Cereals	Lucerne Flea	WA, Vic, Tas, SA, NSW only	55-85mL/ha	28 (Harvest) 1 Day (Grazing)	Apply 3-5 weeks after the commencement of autumn rains or when outbreak occurs. Use the higher rate in cold weather. Do not spray on bare ground. Allow the crop to emerge before application. Boom spray-apply in 50-100 litres/ha of water. Aircraft and misting machines 20-40 litres/ha.	
	Redlegged Earth Mite	WA, Vic, Tas, SA only	85mL/ha			
		NSW only				
	Wingless Grasshopper	All States	75mL/100L water or 750mL/ha		Apply when grasshoppers appear and re-apply as required. In addition to the infested area spray a band of about 20 metres around areas to be protected.	
	Brown Wheat Mite	Qld, WA only	90mL/ha		Apply when mites appear and repeat as necessary.	
	Blue Oat Mite	Qld, NSW, WA only				
	Leafhoppers, Cereal Aphids	Qld, WA only	500mL/ha		Apply when pests threaten damage to crop and repeat as necessary.	
Cowpeas	Aphids, Mirid Bugs	Qld, WA only	500mL/ha	14	Apply when pests appear and repeat as necessary.	
	Bean Fly, Leafhoppers					800mL/ha
	Thrips					500mL/ha
Cotton	Aphids	Qld	500mL/ha	Apply when pests appear and repeat as necessary. Use the higher rate for heavy infestations. This product will not control OP resistant pests.		
		WA, NSW only	350-500mL/ha			
	Green Vegetable Bug, Green Mirids, Apple Dimpling Bug, Brown Smudge Bug, Broken-backed Bug, Rutherglen Bug	NSW, WA only	340-500mL/ha			
	Leafhoppers (Jassids)	Qld & WA only	350-375mL/ha			
		NSW only	350mL/ha			
	Red Spider Mite, Two Spotted Mite	Qld, NSW, WA only	500mL/ha			
	Thrips	NSW only	350-375mL/ha			
		Qld, WA only	350-500mL/ha			
Wingless Grasshopper	Qld, NSW, WA only	750mL/ha				
Grain Legumes	Spider Mites, Thrips, Jassids, Green Vegetable Bug, Aphids, Bean Fly	Qld, Vic, SA, WA, Tas only	75mL/100L or 800mL/ha	Apply when insects appear and repeat as necessary. Spray when flowering spikes carrying 20-50 Aphids are easy to find and when there is evidence of virus disease. Dimethoate will not control OP resistant pests.		
	Redlegged Earth Mite	Vic, SA, Tas,	75mL/100L			
	Lucerne Flea	WA only	85mL/100L		Apply at emergence.	

3. FIELD AND PASTURE CROPS (CON'T)

Crop	Pest Controlled	State	Rate	WHP Days	Critical Comments	
Lentils	Redlegged Earth Mite	NSW, WA only	90mL/ha	7	Apply when pests appear and repeat as necessary.	
Lucerne	Spotted Alfalfa Aphid, Blue Green Aphid	WA only	150-225mL/ha	1	Apply when aphids begin to build up on the stem or apply at the same rate as soon as possible after cutting the lucerne stand if and when the infestation occurs. Repeat if necessary. Vic: Apply when 20-40 aphids/ stem on mature plants and 1-2 aphids/ plant in seedlings are present. Spotted Alfalfa Aphids are resistant to some organophosphates in some areas. Consult your district agronomist before spraying.	
		Qld, NSW, Vic only	150mL/ha			
		Tas only	375mL/ha			
	Blue Green Aphid	SA only	250 - 375mL/ha			Apply when aphids begin to build up on the leaves and stems. Spray when bees are not actively foraging. Use the higher rate in dense irrigated stands.
	Leaf Hoppers (Jassids)	Vic, Qld, SA, Tas, WA only	350mL/ha			Apply when pests appear and repeat as necessary.
	Lucerne Flea	WA, Vic, Tas, NSW, SA only	55-85mL/ha			Apply 3-5 weeks after the commencement of autumn rains or when outbreak occurs. Use the higher rate in cold weather or on mature pasture. Do not spray on bare ground. Allow the lucerne to emerge before application. Boom spray- apply in 50-100 litres/ha water. Aircraft and misting machines - apply in 20-40 litres/ha.
	Redlegged Earth Mite	WA, Vic, Tas, SA only				
			NSW only			85mL/ha
	Wingless Grasshopper	All States	75mL/100L water or 750mL/ha			Apply when grasshoppers appear and re-apply as required. In addition to the infested area spray a band of about 20 metres around areas to be protected.
	Blue Oat Mite	NSW, WA only	90mL/ha			Apply when pests appear and repeat as necessary.
Bean Fly	Vic, SA, Tas, WA only	340mL/ha				
Pea Aphid	Vic, NSW, WA only	150mL/ha				
Maize	Maize Leafhopper, Thrips	Qld, WA only	500mL/ha	28 (Harvest) 1 (Grazing)	Apply 2 sprays 5-7 days apart.	
Mung Bean	Aphids, Mirid Bugs		800mL/ha	7	Apply when pests appear and repeat as necessary.	
	Bean Fly, Leafhoppers					
Navy Bean	Aphids, Mirid Bugs	Qld, NSW, WA only	500mL/ha			
Oil Seeds	Lucerne Flea	WA, NSW SA, Vic, Tas only	55-85mL/ha	14	Apply 3-4 weeks after the commencement of autumn rains or when outbreak occurs. Use the higher rate in cold weather. Do not spray on bare ground. Allow the crop to emerge before application. Boom spray - apply in 50-100 litres/ha of water. Aircraft and misting machines - apply in 20-40 litres/ha.	
		WA only	40 - 55mL/ha			
	Green Vegetable Bugs, Jassids	All States	350mL/ha			
	Redlegged Earth Mite	Vic, Tas, SA only	55 - 85mL/ha			
		NSW only	85mL/ha			
		WA only	40 - 55mL/ha			
Wingless Grasshoppers	All States	75mL/100L water or 750mL/ha	Apply when grasshoppers appear and re-apply as required. In addition to the infested area spray a band of about 20 metres around areas to be protected.			

3. FIELD AND PASTURE CROPS (CON'T)

Crop	Pest Controlled	State	Rate	WHP Days	Critical Comments
Pastures, Pasture Seed & Forage Crops (inc. Clover, Medics, Cereals, Lucerne, Legumes for animal feed)	Redlegged Earth Mite, Lucerne Flea	NSW, Vic, Tas, SA, WA only	55-85mL/ha	1 (Grazing)	Apply 3-5 weeks after the commencement of autumn rains or when outbreak occurs. Use the higher rate in NSW, and in cold weather and/or heavy infestations in other states. Do not spray on bare ground. Allow the crop to emerge before application. Boom Spray - apply in 50-100 litres of water. Aircraft and misting machines - apply in 20-40 litres/ha.
	Blue Oat Mite	NSW only	90mL/ha		
	Wingless Grasshoppers	All States	75mL/100L water or 750mL/ha		
	Pangola Aphids	Qld, WA only	190mL/ha		
	Spotted Alfalfa Aphid, Blue Green Aphid	WA only	150-225mL/ha		
		Qld, NSW, Vic, WA only	150mL/ha		
		Tas only	375mL/ha		
	Blue Green Aphid	NSW only	150mL/ha		
SA only		375mL/ha			
Peanuts	Aphids, Jassids, Thrips, Green Vegetable Bug, Peanut Mite	Qld, NSW, WA only	350mL/ha	7 (Harvest)	Apply when pests appear and repeat as necessary.
Sorghum	Aphids	Qld, WA only	500mL/ha	28 (Harvest) 1 (Grazing)	
Soy Bean	Green Vegetable Bug, Jassids	NSW, Qld, Tas, WA, SA only	340mL/ha	7	
Sunflower	Green Vegetable Bug, Jassids	NSW, Tas, WA, SA, Qld only	340mL/ha	14	
	Thrips, Twospotted Mite	Qld, WA only	800mL/ha		
Tobacco	Lucerne Flea, Redlegged Earth Mite	NSW, WA only	80mL/100L water	28	Apply spray to tobacco in seed bed when insects are present. Re-apply after 7 days if necessary.

4. FRUIT DIPS

Crop	Pest Controlled	State	Rate	WHP Days	Critical Comments
Avocado	Queensland Fruit Fly	NSW, WA only	Charge the dip at the rate of 100mL/100L water	-	Dip the fruit for 1 minute and allow to drain before packing.
Bananas	Fruit Fly		75mL/100L water		Dip fruit for 10-60 seconds. Top-up with concentration of 125-150mL/100L.
Chinese Gooseberries, Lychees, Persimmons (Dipping)	Queensland Fruit Fly		Charge the dip at the rate of 100mL/100L water		Dip the fruit for 1 minute and allow to drain before packing.
Cherries	Fruit Fly	WA, Vic only	50mL/100L water		Dip fruit for a minimum of 30 seconds.
Custard Apple	Queensland Fruit Fly	NSW, WA, NT only	Charge the dip at the rate of 100mL/100L water		Dip the fruit for 1 minute and allow to drain before packing.
Mangoes, Pawpaws, Passionfruit (Dip)	Queensland Fruit Fly	NSW, WA only	100mL/100L water		

5. POST HARVEST DIPS - NOTE: THIS IS A QUARANTINE TREATMENT ONLY

Crop	Pest Controlled	State	Rate	WHP Days	Critical Comments
Apples, Apricots, Avocados, Bananas, Cactus fruit, Chilli, Custard Apples, Eggplant, Feijoas, Figs, Guavas, Kiwifruit, Loquats, Mangoes, Nectarines, Papaws, Banana passionfruit, Passionfruit, Peaches, Pears, Pepinos, Persimmons, Plums, Pomegranates, Quinces	Queensland fruit fly (<i>Dacus tryoni</i>)	Qld only	100mL/100L water	-	DIPPING: Immerse produce in emulsion for 1 minute or according to the requirements of the importing State or Country. TOPPING UP (400ppm dimethoate emulsion only): Top up with a separately prepared 400ppm (100mL/100L) emulsion. REINFORCEMENT (400ppm dimethoate emulsion only): After each week, add 3mL of product/100L of dip emulsion. NOTE: (1) Refer also to Refnote R6/Feb 83 (Agdex 201/681) - "FRUIT AND VEGETABLES - stability of dimethoate in dips". (2) 400ppm is the dip concentration required for fruit fly susceptible produce destined for interstate markets. For other destinations, the requirements may differ (e.g. fruit for export to New Zealand has to be treated at 500ppm concentration); check with the relevant authorities.
Tamerillos		Qld, NSW, WA only			
Mangoes	Darwin fruit fly (<i>Batrocera aquilonis</i>)	NT, WA only			
Cherries	Queensland fruit fly (<i>Dacus tryoni</i>)	WA & Vic only	50mL/100L water		Dip fruit for a minimum of 30 seconds.
Tomatoes		Qld, WA, NT only	100mL/100L water		Immerse produce in emulsion for one minute or according to the requirements for the importing State or Country. Alternatively, apply thoroughly as an on-line post harvest spray. TOPPING UP (400ppm dimethoate emulsion only): After each week, add 3mL of 400g/L product/100L of dip emulsion. See notes (1) and (2) above.
Cherry tomatoes		NT, WA only			
Capsicums		Qld, WA, NT only			Apply thoroughly as an on-line post harvest spray according to the requirements of the importing State or Country. TOPPING UP (Recirculating Systems - 400ppm dimethoate emulsion only): Top up with a separately prepared 400ppm (100mL/100L) emulsion. REINFORCEMENT (Recirculating Systems - 400ppm dimethoate emulsion only): After each week, add 3mL of 400g/L product/100L of emulsion. See notes (1) and (2) above.

6. MISCELLANEOUS

RESTRAINT: DO NOT apply to any non-food tree crop (except oil tea tree) or plantation (including *Eucalyptus* spp.) by air.

Crop	Pest Controlled	State	Rate	WHP Days	Critical Comments
Ornamentals (Not Chrysanthemums, Begonias, Liquidamber or Gloxinias)	Aphids, Thrips, Jassids, Spider Mites, Leaf Hoppers, Azalea Lace Bug, Green Vegetable Bug, Rutherglen Bug, Leaf Miners, Green House White Fly, Mealybugs, Scarab, Leaf Beetles, Beetle haraue, Moth caterpillars, Lace bugs, Gau Insects	All States	75mL/100L water	-	Apply when pests appear and repeat as necessary. Dimethoate will not control OP resistant pests.
	Bronze Orange Bug	NSW, Qld, SA, Vic, WA only			

6. MISCELLANEOUS (CON'T)

RESTRAINT: DO NOT apply to any non-food tree crop (except oil tea tree) or plantation (including Eucalyptus spp.) by air.

Crop	Pest Controlled	State	Rate	WHP Days	Critical Comments
Ornamentals (Not Chrysanthemums, Begonias, Liquidamber or Gloxinias) (Con't)	Wingless Grasshoppers	All States	75mL/100L water	-	Apply when pests appear and repeat as necessary. Dimethoate will not control OP resistant pests.
	Woolly aphid	Vic, SA, Tas, WA, NT only			Apply when grasshoppers appear and re-apply as required. In addition to the infested area, spray a band of about 20 metres around area to be protected. Apply when pest first appears and repeat as necessary.
Trees: Eucalyptus, Kurrajongs, Flame Trees, Umbrella Trees	Jarrah Leaf Miner, Psyllids, Kurrajongs Leaf Miner, Leaf Blister, Sawfly, Lerp Insects, Scale Insects, Spittle Bugs, Mites	WA only	25mL/8L water	-	Apply in early June for control of Jarrah Leaf Miner and in early Spring for Psyllids. Trunk injection method may be used on large trees. Bore holes in tree trunk and fill with 1:1 mixture of Dimethoate and water. Apply in late January as above for Kurrajongs Leaf Miner.
Wild Flowers, Protea	Aphids, Thrip, Leaf Hoppers. Rutherglen Bug		75mL/100L water		Apply when pests appear. Dimethoate will not control OP resistant pests.
Duboisia	Thrips	Qld, WA only	75mL/100L water. Apply as an overall spray		Apply every 7-10 days or as pest population indicates. Can be applied aerially.
Oil Tea Tree (<i>Melaleuca alternifolia</i>)	Tip-Gall Midge (<i>Dasineura</i> sp.), Psyllids, Pyrgo Beetle	Qld, NSW only	340mL/ha	5 months	Monitor the build up of Tip-Gall Midge in Spring by counting the trapped midge in spider webs. Spray when 10 percent of the growing points are showing the damaging effects of the Tip-Gall Midge larvae. Boom Spray: Apply in 50-100 L water/ha Aircraft: Apply in 20-40 L water/ha. Rotate pyrethroid pesticides during Summer when spraying Pyrgo Beetle. Use methomyl products as the last seasonal spray for cleaning up any dimethoate or pyrethroid resistant Pyrgo Beetles. Apply a maximum of 2 applications per crop growing cycle with a maximum of six weeks between applications.

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

WITHOLDING PERIOD: (H) HARVEST; (G) GRAZING.

Cereals, maize, tobacco, sorghum: **DO NOT HARVEST FOR 4 WEEKS AFTER APPLICATION.**

Cotton, oilseeds, adzuki bean, cowpea, mung bean, navy bean, pigeon pea, grain legumes, sunflower:

DO NOT HARVEST FOR 14 DAYS AFTER APPLICATION.

Fruit & vegetables (except strawberries, mangoes, capsicums, blueberries & cucurbits), peanuts, tomatoes, soybeans, lentils, cowpeas, peas, mung beans, navy beans: **DO NOT HARVEST FOR 7 DAYS AFTER APPLICATION.**

Leucaena, forage crops, pasture seed crops, sorghum, maize, lucerne, cereals, peas, pastures: **DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 1 DAY AFTER APPLICATION.**

Strawberries, blueberries & cucurbits: **DO NOT HARVEST FOR 1 DAY AFTER APPLICATION.**

Mangoes, capsicums: **DO NOT HARVEST FOR 3 DAYS AFTER APPLICATION.**

Oil tea tree: **DO NOT HARVEST FOR 5 MONTHS AFTER APPLICATION.**

Banana plant destruction and control of banana aphid: **DO NOT ALLOW CATTLE TO GRAZE DESTROYED CROP AREA WHILE PLANT RESIDUE REMAINS.**

PRODUCE FROM TREATED PLANTS MUST NOT BE SUPPLIED TO OR OTHERWISE BE MADE AVAILABLE FOR HUMAN OR ANIMAL CONSUMPTION.

Dipping (avocados, chinese gooseberries, lychees, persimmons, bananas, cherries, custard apples, mangoes: paw paws, apples, apricots, cactus fruit, chilli, eggplant, feijoas, figs, guavas, kiwifruit, loquats, nectarines, passionfruit, banana passionfruit, peaches, pears, pepinos, plums, pomegranates, quinces, tamarillos, tomatoes, cherry tomatoes, capsicums), duboisia, ornamentals, trees (eucalypts, kurrajongs, flame trees, umbrella trees):

NOT REQUIRED WHEN USED AS DIRECTED.

GENERAL INSTRUCTIONS:

Before opening, carefully read Directions For Use, Precautionary Statements, Safety Directions and First Aid Instructions.

MIXING/APPLICATION:**For tree & vine crops only****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.

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 Spraying 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: $3 \times$ (ie. $1500L \div 500L=3$)
4. If the dilute label rate is 10mL/100L, then the concentrate rate becomes 3×10 , 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.

For concentrate application- do not use a concentrate spray rate greater than 5 times the dilute spraying rate.

INSECTICIDE RESISTANCE WARNING**GROUP 1 B INSECTICIDE**

For insecticide resistance management Nufarm Dimethoate is a Group 1B insecticide.

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

COMPATIBILITY:

This product is compatible with the following:

Chlorpyrifos 500 EC, Astound® Duo, Fastac+ Duo, Bumper*, Aramo+, Spraymate™ LI700, and Spraymate™ Activator.

PROTECTION OF LIVESTOCK:

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

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND**ENVIRONMENT:**

DO NOT contaminate streams, rivers or waterways with the chemical or used containers.

STORAGE AND DISPOSAL:

Store in the closed, original container in a dry, cool, well ventilated area out of direct sunlight. Store in a locked room or place away from children, animals, food, feedstuffs, seed and fertilisers. Protect from direct sunlight and temperatures above 40°C. If storing for more than 2-3 months, avoid temperatures above 30°C.

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 500mm in a disposal pit specifically marked and set up for this purpose, clear of waterways, desirable vegetation and tree roots. Empty containers and products should NOT be burnt.

SAFETY DIRECTIONS:

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. When opening container and preparing spray, wear cotton overalls buttoned to the neck and wrist, washable hat, elbow-length PVC gloves, face shield and impervious footwear. When using the prepared spray wear cotton overalls buttoned to the neck and wrist and washable hat, elbow-length PVC gloves, impervious footwear and half-face respirator with combined dust and gas cartridge (canister). If product on skin immediately wash area with soap and water. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use, wash gloves, face shield, 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 Australia 13 11 26, 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:

For further information refer to the Material Safety Data Sheet (MSDS).

CONDITIONS OF SALE:

"Any provisions or rights under the Trade Practices Act 1974 or relevant state legislation which cannot be excluded by those statutes or by law are not intended to be excluded by these conditions of sale. Subject to the foregoing, all warranties, conditions, rights and remedies, expressed or implied under common law, statute or otherwise, in relation to the sale, supply, use or application of this product, are excluded. Nufarm Australia Limited and/or its affiliates ("Nufarm") shall not accept any liability whatsoever (including consequential loss), or howsoever arising (including negligence) for any damage, injury or death connected with the sale, supply, use or application of this product except for liability which cannot be excluded by statute."

APVMA Approval No.: 32962/1006

In case of emergency: Phone 1800 033 498

Ask for shift supervisor. Toll free 24 hours.

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Batch Number:

Date of Manufacture:

Expiry Date: