

STORAGE AND DISPOSAL

Store in the closed, original container in a dry, 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 chemical on-site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush or puncture and deliver empty packaging for appropriate disposal to an approved waste management facility. If an approved waste management facility is not available, bury the empty packaging 500mm below the surface in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots, in compliance with relevant Local, State or Territory government regulations. Empty containers and product should not be burnt. **DO NOT** re-use empty container for any other purpose.

SAFETY DIRECTIONS

Poisonous if absorbed by skin contact, inhaled or swallowed. Repeated minor exposure may have a cumulative poisoning effect. Will irritate the eyes. Avoid contact with eyes. **DO NOT** inhale dust or spray mist. When opening the container, preparing spray and using the prepared spray, wear cotton overalls buttoned to the neck and wrist, a washable hat, elbow-length PVC gloves and face shield. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use, wash gloves, face shield and contaminated clothing.

FIRST AID

If swallowed, splashed on skin or in eyes, or inhaled, contact a Poisons Information Centre (Phone Australia 13 11 26; New Zealand 0800 764 766) or a doctor at once. Remove any contaminated clothing and wash skin thoroughly. If swallowed, activated charcoal may be advised. Give atropine if instructed.

POISON

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



IMTRADE ACEPHATE 970 SG INSECTICIDE

**ACTIVE CONSTITUENT: 970 g/kg ACEPHATE
(an anticholinesterase compound)**

GROUP 1B INSECTICIDE

**For the control of certain insect pests on Bananas, Crucifers,
Macadamias, Ornamentals, Potatoes, Tomatoes and Tobacco
as specified in the Directions for Use table**

**IMPORTANT: READ THIS LABEL AND THE ATTACHED LEAFLET
THOROUGHLY BEFORE OPENING OR USING THIS PRODUCT**

**NET CONTENTS:
1kg-5kg**

Imtrade Australia Pty Ltd
ABN 13 090 151 134
17 Ocean Street, Kwinana WA 6167
Tel: 1800 171 799 Fax: 1800 171 788
Web: www.imtrade.com.au

Additional GHS Hazard & Precautionary Statements

• **DO NOT** get on skin, or on clothing; • Wash contact areas thoroughly after handling; • **DO NOT** eat, drink or smoke when using this product; • **IF SWALLOWED:** Rinse mouth. Do **NOT** induce vomiting; • Not combustible. Use extinguishing media suited to burning materials.

SAFETY DATA SHEET

Additional information is listed in the Safety Data Sheet, which can be obtained from your supplier or from Imtrade Australia Pty Ltd website at www.imtrade.com.au

CONDITIONS OF SALE

Imtrade Australia Pty Ltd shall not be liable for any loss, injury, damage or death whether consequential or otherwise whatsoever or howsoever arising whether through negligence or otherwise in connection with the sale supply use or application of this product. The supply of this product is on the express condition that the purchaser does not rely on Imtrade's skill or judgment in purchasing or using the same and every person dealing with this product does so at his own risk absolutely. No representative of Imtrade Australia Pty Ltd has any authority to add to or alter these conditions.

**In a Transport Emergency
Dial 000
Police or Fire Brigade**

APVMA Approval No. 84931/111789

Batch No:
Date of Manufacture:

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DIRECTIONS FOR USE

CROP	PEST	STATE	RATE		WHP	CRITICAL COMMENTS
			Per Hecate (Low Volume)	Per 100L Water (High Volume)		
Bananas	Banana Scab Moth (<i>Nacoleia octasema</i>), Banana Flower Thrip (<i>Thrips hawallensis</i>)	QLD, NSW, WA, NT only	–	65 to 130g (6.5 to 13g/10L) At 30 mL/ bell use 130g/100L At 40 mL/ bell use 97.5g/100L At 60 mL/ bell use 65g/100L	–	<u>Bell injection only</u> Apply 30 to 60 mL of prepared solution to each Banana bell. The volume required per bell should be determined by the average bell size to be treated, prior to making up the solution. Use the highest concentration (13g/10L) when applying 30 mL per bell. Use the lowest concentration (6.5g/10L) when applying 60 mL per bell. Inject the required volume directly into the upright bell as it emerges from the throat of the banana plant.
	Banana Rust Thrip (<i>Chaetanaphothrips signipennis</i>)			130g (13g/10L water)		<u>Bunch spray only</u> Apply to the point of run-off, up to 50 mL of prepared spray solution to each bunch, ensuring thorough, even spray coverage. Application should be made no later than 2 weeks after bunch emergence.

CROP	PEST	STATE	RATE		WHP	CRITICAL COMMENTS
			Per Hecate (Low Volume)	Per 100L Water (High Volume)		
Brussels Sprouts	Heliiothis (<i>Helicoverpa</i> spp.)	TAS only	1.0 kg	100g	3 days	Spray when infestation occurs and then at 10 to 14 day intervals or as necessary. Use a non-ionic wetting agent at the rate specified by the manufacturer for use in horticultural crops.
	Cabbage Moth, Cabbage White Butterfly	NSW, VIC, TAS, SA, WA, NT only				
	Cabbage Aphid, Heliiothis (<i>Helicoverpa</i> spp.)	QLD, WA, NT only	0.8 kg	80g		
Cabbages, Cauliflowers, Broccoli	Cabbage Moth, Cabbage White Butterfly	NSW, VIC, TAS, SA, WA, NT only	1.0 kg	100g	3 days (Broccoli 14 days)	
	Cabbage Aphid, Heliiothis (<i>Helicoverpa</i> spp.)	QLD, WA, NT only	0.8 kg	80g		

CROP	PEST	STATE	RATE For further information refer to the Application Section of the GENERAL INSTRUCTIONS	WHP	CRITICAL COMMENTS
Macadamias	Macadamia Nut Borer, Fruit Spotting Bug, Leafminer	NSW, WA only	Dilute spraying: 80g/100L Concentrate spraying: Refer to the Application Section in GENERAL INSTRUCTIONS	–	Apply when pest activity first observed and repeat at 14 to 21 day intervals or as necessary. 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.
	Redshouldered Leaf Beetle	QLD, WA, NT only			
	Flower Eating Caterpillar	NSW, WA only			
	Flower Eating Caterpillar, Fruit Spotting Bug, Macadamia Leaf Miner, Banana Spotting Bug, Flower Thrips	QLD, NT only	Dilute spraying: 50g/100L Concentrate spraying: Refer to the Application Section in GENERAL INSTRUCTIONS		
	Flower Thrips, Banana Spotting Bug, Macadamia Leaf Miner	WA only			

CROP	PEST	STATE	RATE		WHP	CRITICAL COMMENTS
			Per Hecate (Low Volume)	Per 100L Water (High Volume)		
Ornamentals	Aphids	All States	1.0 kg	100g	–	Spray when infestation occurs and then at 14 day intervals. DO NOT spray more than once every 28 days on Carnations and Chrysanthemums. See also warning under Protection of Crops section. DO NOT apply to Carnations less than 6 days before picking.
	Heliothis (<i>Helicoverpa</i> spp.)	VIC, TAS, SA, WA only				
Potatoes	Potato Moth (Tobacco Leafminer)	All States	0.5 kg	50g	3 days	Spray every 14 to 21 days or as necessary.

CROP	PEST	STATE	RATE		WHP	CRITICAL COMMENTS
			Per Hecate (Low Volume)	Per 100L Water (High Volume)		
Tobacco	Heliothis (<i>Helicoverpa</i> spp.)	VIC only	0.8 kg	80g	14 days	Spray as indicated by crop checking (usually a minimum of 7 days is required). Use high volume application for good coverage i.e. 130-400L/ha depending on crop stage, paying particular attention to the bud heart.
	Heliothis (<i>Helicoverpa</i> spp.), Tobacco Looper, Whitefly, Cluster Caterpillar, Stem Borer	QLD, WA only				
	Budworm (<i>Helicoverpa</i> <i>armigera</i>)	NSW only				Spray at 7 to 10 day intervals, when the pest is present.

CROP	PEST	STATE	RATE		WHP	CRITICAL COMMENTS
			Per Hecate (Low Volume)	Per 100L Water (High Volume)		
Tomatoes	Potato Moth (Tobacco Leafminer), Heliothis (<i>Helicoverpa</i> spp.)	NSW, VIC, TAS, SA, WA only	1.0kg	100g	3 days	Spray when infestation occurs and then at 7 to 14 day intervals or as necessary. (Ground application only).
	Aphids		0.8 kg	80g		
	Potato Moth (Tobacco Leafminer), Heliothis (<i>Helicoverpa</i> spp.), Aphids	QLD, NT only				Apply when infestation occurs and then at 7 day intervals or as necessary.

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

WITHHOLDING PERIODS

***Bananas, Macadamias, Ornamentals* – NOT REQUIRED WHEN USED AS DIRECTED.**

***Brussels Sprouts, Cabbages, Cauliflowers, Potatoes, Tomatoes* – DO NOT HARVEST FOR 3 DAYS AFTER APPLICATION.**

***Broccoli, Tobacco* – DO NOT HARVEST FOR 14 DAYS AFTER APPLICATION.**

Export of treated produce

Growers should note that MRLs or import tolerances do not exist in all markets for edible produce treated with Imtrade Acephate 970 SG Insecticide. If you are growing edible produce for export, please check with Imtrade Australia Pty Ltd for the latest information on MRLs and import tolerances BEFORE using Imtrade Acephate 970 SG Insecticide.

GENERAL INSTRUCTIONS

Mixing

Add the required amount of Imtrade Acephate 970 SG Insecticide to the full volume of water in the spray or mixing tank with the agitator in operation. Ensure that the granules are completely dissolved before spraying.

Application

Good pest control requires even, thorough coverage of the target area. Application should be made using appropriate spray equipment and sufficient water to provide adequate penetration and coverage. Equipment settings and water volume may need to vary, depending on the growth stage of the crop.

Application Instructions for all crops excluding Macadamias and Bananas.

By Ground

Where spray volume equals or exceeds 1000L/ha use the appropriate Rate per 100L water, as specified in the 'High Volume' column of the Directions for Use table.

Where spray volume is less than 1000L/ha use Rate per hectare, as specified in the 'Low Volume' column of the Directions for Use table.

Aerial application

Apply in a minimum of 20L of water per hectare, using the appropriate rate per hectare, as specified in the 'Low Volume' column of the Directions for Use table.

Application Instructions for Bananas

Refer to Critical Comments section of Directions for Use table for full details on method of application.

Special Instructions for Macadamias

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 provides 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: $3 \times$ (i.e. $1500\text{L}/500\text{L} = 3$)
 4. If the dilute label rate is 50g/100L, then the concentrate rate becomes 3×50 , that is 150g/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.

COMPATIBILITY

Imtrade Acephate 970 SG Insecticide may be mixed in the spray vat with Oxydul*. A mixture of Imtrade Acephate 970 SG Insecticide with other products may be ineffective or may cause serious damage and hence is not recommended.

INSECTICIDE RESISTANCE WARNING

GROUP **1B** INSECTICIDE

For insecticide resistance management Imtrade Acephate 970 SG Insecticide is a Group **1B** Insecticide. Some naturally occurring insect biotypes resistant to Imtrade Acephate 970 SG 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 Imtrade Acephate 970 SG Insecticide or other Group **1B** insecticides are used repeatedly. The effectiveness of Imtrade Acephate 970 SG Insecticide on resistant individuals could be significantly reduced. Since occurrence of resistant individuals is difficult to detect prior to use, Imtrade Australia Pty Ltd accepts no liability for any losses that may result from the failure of Imtrade Acephate 970 SG Insecticide to control resistant insects.

Imtrade Acephate 970 SG Insecticide may be subject to specific resistance management strategies. For further information contact your local supplier, Imtrade Australia Pty Ltd representative or local agricultural department agronomist.

PRECAUTIONS

Re-Entry Period

DO NOT allow entry into, or perform agronomic practices in, treated areas until the spray deposits have dried. When prior entry is necessary, wear cotton overalls buttoned to the neck and wrist and elbow-length PVC gloves. Clothing must be laundered after each day's use. For glasshouses and other confined areas, **DO NOT** re-enter until spray deposits have dried and area has been thoroughly ventilated.

PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

Bananas: Use as a bell injection or bunch spray during the wet season may result in some damage to banana hands

Ornamentals: Imtrade Acephate 970 SG Insecticide may cause foliage damage to certain shrubs and trees e.g. Crab Apple, Cotton Wood, Lombardy Poplar and American Elm. **DO NOT** spray more than once every 28 days on Carnations and Chrysanthemums. Certain Chrysanthemum varieties e.g. Showoff, Iceberg, Albatross, Bonnie Jean and Statesman have, on occasions, been damaged by Imtrade Acephate 970 SG Insecticide.

PROTECTION OF LIVESTOCK

Harmful to Bees.

DO NOT apply during active foraging of Bees and avoid spraying at flowering time. Avoid spray drift from target area. **DO NOT** contaminate feed or foodstuffs.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

DO NOT contaminate streams, rivers or waterways with this product or the used container.

DRIFT WARNING

DO NOT apply in weather conditions, or from spraying equipment, which could be expected to cause spray to drift onto adjacent crops, crop lands, pasture or livestock.

STORAGE AND DISPOSAL

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FIRST AID

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*Other Company Trademark

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