

DIRECTIONS FOR USE:

CROP	PEST	STATES	RATE		WHP	CRITICAL COMMENTS
			For further information refer to the Application Section of the General Instructions			
			Per 100 Litres water/ hectare (high volume)	Per ha (low volume)		
Bananas (Bell Injection and bunch spray)	Banana Scab Moth (<i>Nacoleia octasema</i>), Banana Flower Thrips (<i>Thrips hawaiiensis</i>)	Qld, NSW, WA, NT only	65 to 130 g (6.5 to 13 g/10L) At 30 mL/bell use 130 g/100L At 40 mL/bell use 97.5 g/100L At 60 mL/bell use 65 g/100L	–	–	Bell Injection only Apply 30 mL 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 (13 g/10L) when applying 30 mL per bell. Use the lowest concentration (6.5 g/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. Bunch Spray only 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.
	Banana Rust Thrips (<i>Chaetanapho-thrips signipennis</i>)		130 g (13g/10L water)			
Brussels Sprouts	Heliothis (<i>Helicoverpa</i> spp.)	Tas only	100 g	1 kg	3 days (broccoli 14 days)	Spray when infestation occurs and then 10 to 14 day intervals or as necessary. Use FARMALINX Wetdrop Wetter at the recommended label rate for use in horticultural crops.
	Cabbage Moth, Cabbage White Butterfly	NSW, Vic, Tas, SA, WA, NT only	100g	1 kg		
	Cabbage Aphid, Heliothis (<i>Helicoverpa</i> spp.)	Qld, WA, NT only	80 g	0.8 kg		
Cabbages, Cauliflowers, Broccoli	Cabbage Moth, Cabbage White Butterfly	NSW, Vic, Tas, SA, WA, NT only	100 g	1 kg		
	Cabbage Aphid, Heliothis (<i>Helicoverpa</i> spp.)	Qld, WA, NT only	80 g	0.8 kg		
Macadamias	Macadamia Nut Borer, Fruit Spotting Bug, Leaf Miner	NSW, WA only	Dilute Spraying: 80 g/100 L Concentrate Spraying: Refer to the Application Section in General Instructions		–	Apply when pest activity is 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 by dilute or concentrate spraying methods. Apply at early flowering if pests are evident. One to three sprays may be required depending on the time and severity of the infestation. Spray when bees are least active. 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.
	Red Shouldered Leaf Beetle	Qld, WA, NT only				
	Flower Eating Caterpillar	NSW, WA only				
	Flower Eating Caterpillar, Fruitspotting Bug, Macadamia Leaf Miner, Banana Spotting Bug, Flower Thrips	Qld, NT only	Dilute Spraying: 50 g/100 L Concentrate Spraying: Refer to the Application Section in General Instructions			
	Flower Thrips, Banana Spotting Bug, Macadamia Leaf Miner	WA only				

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Ornamentals	Aphids	All States	100 g	1 kg	–	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, SA, Tas, WA				
Potatoes	Potato Moth (Tobacco Leaf Miner)	All States	50 g	0.5 kg	3 days	Spray every 14 to 21 days or as necessary.
Tobacco	Heliothis (<i>Helicoverpa</i> spp.)	Vic only	80 g	0.8 kg	14 days	Spray as indicated by crop checking (usually a minimum of 7 days is required). Use high volume application for good coverage ie130 to 400 L/ha depending on the crop stage, paying particular attention to bud heart. Spray at 7 to 10 day intervals, when the pest is present.
	Heliothis (<i>Helicoverpa</i> spp.), Tobacco Looper, White Fly, Cluster Caterpillar, Stem Borer	Qld, WA only				
	Budworm (<i>Helicoverpa armigera</i>)	NSW only				
Tomatoes	Aphids	NSW, ACT, Vic, Tas, SA, WA only	80 g	0.8 kg	3 days	Spray when infestation occurs and then at 7 day intervals or as necessary (ground application only). Apply when infestation occurs and then at 7 to 14 day intervals or as necessary.
	Potato Moth (Tobacco Leaf Miner), Heliothis (<i>Helicoverpa</i> spp.)	NSW, Vic, SA, WA, Tas only	100 g	1.0 kg		
	Potato Moth (Tobacco Leaf Miner), Heliothis (<i>Helicoverpa</i> spp.)	Qld, NT only	80 g	0.8 kg		

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

WITHHOLDING PERIOD:
BRUSSELS SPROUTS, CABBAGE, CAULIFLOWERS, POTATOES AND TOMATOES: DO NOT HARVEST FOR 3 DAYS AFTER APPLICATION.
BROCCOLI, TOBACCO: DO NOT HARVEST FOR 14 DAYS AFTER APPLICATION.
BANANAS, MACADAMIAS, ORNAMENTALS: NOT REQUIRED WHEN USED AS DIRECTED.



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 PC gloves. Clothing must be laundered after each day's use. For glass houses and other confined areas, DO NOT re-enter until the 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: FARMALINX Submarine 970 SG insecticide may cause foliage damage to certain shrubs and trees eg crab apple, cottonwood, Lombardy poplar and American Elm. DO NOT spray more than once every 28 days on carnations and chrysanthemums. Certain chrysanthemum varieties ie Showoff, Iceberg, Albattross, Bonnie Jean and Statesman have, on occasions, been damaged by FARMALINX Submarine 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, waterways or drains with this product or used containers.
Drift Warning: DO NOT apply in weather conditions, or from spraying equipment which could be expected to cause drift onto adjacent crops, cropping lands or pastures or livestock.
EXPORT OF TREATED PRODUCE
 Growers should note that MRLs or import tolerances do not exist in all markets for edible produce treated with FARMALINX Submarine 970 SG insecticide. If you are growing edible produce for export, please check with FARMALINX for latest information on MRLs and import tolerances BEFORE using FARMALINX Submarine 970 SG insecticide.
STORAGE AND DISPOSAL
 Store in the closed, original container in a cool, well-ventilated area. DO NOT store for prolonged periods in direct sunlight. Break, crush or puncture and deliver empty packaging to an approved waste management facility. If an approved waste management facility is not available bury the empty packaging 500mm below the surface in disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots, in accordance with relevant Local, State or Territory government regulations. DO NOT burn empty containers or product.

COMPATIBILITY
 FARMALINX Submarine 970 SG insecticide may be mixed in the spray vat with Daxyl. A mixture of FARMALINX Submarine 970 SG with other products may be ineffective or may cause serious damage and hence is NOT recommended.
 Information contact your local supplier, FARMALINX Pty Ltd representative or local agricultural department agronomist.
INSECTICIDE RESISTANCE WARNING
 For insecticide resistance management FARMALINX Submarine 970 SG insecticide is a Group 1B insecticide. Some naturally occurring insect biotypes resistant to FARMALINX Submarine 970 SG 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 FARMALINX Submarine 970 SG or other Group 1B insecticides are used repeatedly. The effectiveness of FARMALINX Submarine 970 SG on resistant individuals could be significantly reduced. Since occurrence of resistant individuals is difficult to detect prior to use, FARMALINX Pty Ltd accepts no liability for any losses that may result from the failure of FARMALINX Submarine 970 SG to control resistant insects. FARMALINX Submarine 970 SG may be subject to specific resistance management strategies. For further information contact your local supplier, FARMALINX Pty Ltd representative or local agricultural department agronomist.
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 training and follow industry Best Practices.
 For further information on concentrate spraying, users are advised to consult relevant industry guidelines, undertake competency the crop grows.
 The chosen spray volume, amount of product per 100 L of water and the sprayer set up and operation may need to be changed as 4. If the dilute label rate is 10 g/100 L, then the concentrate rate becomes 3 x 10, that is 30 mL/100 L of concentrate spray.
 3. The concentration factor in this example is: 3 x (i.e. 1500 L/500 L = 3)
 2. Your chosen concentrate spray volume: For example 500 L/ha
 1. Dilute spray volume as determined above: For example 1500 L/ha
 EXAMPLE ONLY
 The mixing rate for concentrate spraying can be then calculated in the following way:
 • Determine an appropriate dilute spray volume (See Dilute Spraying above) for the crop canopy. This is needed to calculate the 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.
 • Use a sprayer designed and set up for concentrate spraying (that is a sprayer which applied water volumes less than those required to reach the point of run-off and matched to the crop being sprayed).
Concentrate Spraying:
 • Use a sprayer designed and set up for concentrate spraying (that is a sprayer which applied water volumes less than those required to reach the point of run-off and matched to the crop being sprayed).
 • 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 be then calculated in the following way:

SAFETY DIRECTIONS

Poisonous if absorbed by skin contact, inhaled or swallowed. Repeated minor exposure may have a cumulative poisoning effect. Will irritate eyes. Avoid contact with eyes. DO NOT inhale dust or spray mist. When opening the container and preparing the spray and using the prepared spray, wear cotton overalls buttoned to the neck and wrist, a washable hat, elbow-length PVC gloves and a 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 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.

MATERIAL SAFETY DATA SHEET

For further information refer to the Material Safety Data Sheet (MSDS), which can be obtained from the supplier.

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

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

Submarine 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 per the Directions For Use.

IMPORTANT: THIS LEAFLET IS PART OF THE LABEL ATTACHED TO THE CONTAINER. READ THOROUGHLY BEFORE OPENING OR USING THIS PRODUCT

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GENERAL INSTRUCTIONS
MIXING
 Add the required amount of FARMALINX Submarine 970 SG Insecticide to the full volume of water in the spray tank with the agitator in operation. Ensure the granules are completely dispersed 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 growth stage of the crop.
Application instructions for all crops excluding macadamias and bananas
By Ground: Where spray volume equals or exceeds 1000 L/ha use the appropriate rate per 100 L water as specified in the 'High Volume' column of the Directions for Use table.
 Where spray volume is less than 1000 L/ha use the appropriate rate per 100 L water as specified in the 'Low Volume' column of the Directions for Use table.
Aerial Application: Apply in a minimum of 20 L 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 the critical comments section of the 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 point 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 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.