



**Company Name:** KENDON PLANT CARE PTY LTD  
**Product Name:** KENDON CARBARYL 500SC INSECTICIDE  
**APVMA Approval No:** 69359/106803

<b>Label Name:</b>	KENDON CARBARYL 500SC INSECTICIDE
<b>Signal Headings:</b>	POISON KEEP OUT OF REACH OF CHILDREN READ SAFETY DIRECTIONS BEFORE OPENING OR USING
<b>Constituent Statements:</b>	500 g/L CARBARYL (AN ANTI-CHOLINESTERASE COMPOUND)
<b>Mode of Action:</b>	<b>GROUP 1A INSECTICIDE</b>
<b>Statement of Claims:</b>	For the control of certain insects in fruit, nuts, vegetables, crops and pastures; and for certain other uses as specified in the Directions for Use table.  IMPORTANT: READ THE ATTACHED BOOKLET BEFORE USE
<b>Net Contents:</b>	2.5L-20L
<b>Restrains:</b>	DO NOT make more than four applications per season to avocados. DO NOT make more than three applications per season to mangoes. DO NOT apply by air unless otherwise specified. DO NOT allow spray to drift off-target onto sensitive areas, including (but not limited to) natural streams, rivers, waterways, wetlands, waterbodies, watercourses or neighbouring properties. The application of Kendon Carbaryl 500SC Insecticide to flowering crops during the period 7 days prior to flowering to 30 days post flowering may result in fruit thinning. DO NOT apply Kendon Carbaryl 500SC Insecticide to flowering crops during this period if fruit thinning is unacceptable.
<b>Directions for Use:</b>	This section contains file attachment. <b>File Name:</b> Directions for use_Carbaryl 500SC 20May2016.doc <b>File Size:</b> 233472 bytes

<b>Other Limitations:</b>	
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<b>Withholding Periods:</b>	<p><b>HARVEST (H)</b>  Coconut, cucurbits, feijoa, grapes, guavas, jaboticaba, jackfruit, litchis, longans, loquats, macadamia nuts, pecan nuts, rambutans, strawberries: WITHHOLDING PERIOD NOT REQUIRED WHEN USED AS DIRECTED  Avocados, beetroot, cotton, lemons, oranges, potato, swede, sweet potato, turnips: DO NOT HARVEST FOR 3 DAYS AFTER APPLICATION  Mangoes, raspberries: DO NOT HARVEST FOR 7 DAYS AFTER APPLICATION  Cereal grains: DO NOT HARVEST FOR 14 DAYS AFTER APPLICATION  Stone fruit: DO NOT HARVEST FOR 5 WEEKS AFTER APPLICATION  Pome fruit: DO NOT HARVEST FOR 11 WEEKS AFTER APPLICATION  Kenaf and rosella: DO NOT USE ON KENAF OR ROSELLA CROPS THAT WILL BE USED FOR HUMAN CONSUMPTION</p> <p><b>GRAZING (G)</b>  Field crops, pasture and lucerne: DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 7 DAYS AFTER APPLICATION  Cereal grains: DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 14 DAYS AFTER APPLICATION</p> <p><b>LIVESTOCK FEEDING RESTRAINTS</b>  Cotton: This product must not be used on cotton where cotton trash, fodder or stubble (excluding seed and hulls) will or may be fed to livestock. DO NOT FEED COTTON FODDER, STUBBLE OR TRASH TO LIVESTOCK.</p>
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<b>Trade Advice:</b>	<p><b>EXPORT OF TREATED PRODUCE</b>  Growers should note that MRLs or import tolerances do not exist in all markets for edible produce treated with KENDON CARBARYL 500SC INSECTICIDE. If you are growing edible produce for export, please check with Kendon Plant Care Pty. Ltd. for the latest information on MRLs and import tolerances BEFORE using KENDON CARBARYL 500SC INSECTICIDE.</p>
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<b>General Instructions:</b>	<p>This section contains file attachment.  <b>File Name:</b> General instructions_Carbaryl 500SC 20May2016.doc  <b>File Size:</b> 52224 bytes</p>
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<b>Resistance Warning:</b>	<p>For insecticide resistance management KENDON CARBARYL 500SC INSECTICIDE is a Group 1A insecticide. Some naturally occurring insect biotypes resistant to KENDON CARBARYL 500SC INSECTICIDE and other Group 1A insecticides may exist through normal genetic variability in any insect population. The resistant individuals can eventually dominate the insect population if KENDON CARBARYL 500SC INSECTICIDE or other Group 1A insecticides are used repeatedly. The effectiveness of KENDON CARBARYL 500SC INSECTICIDE on resistant individuals could be significantly reduced. Since the occurrence of resistant individuals is difficult to detect prior to use, Kendon Plant Care Pty. Ltd. accepts no liability for any losses that may result from the failure of KENDON CARBARYL 500SC INSECTICIDE to control resistant insects.  KENDON CARBARYL 500SC INSECTICIDE may be subject to specific resistance management strategies. For further information contact your local supplier, Kendon Plant Care representative or local agricultural department agronomist.</p>
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<b>Precautions:</b>	<p><b>RE-ENTRY PERIOD</b>  Raspberries and Ornamental plants  Do not allow entry into treated areas or re-handle treated plants by workers or members of the public for 8 days after treatment. When prior entry is required wear rubber gloves and</p>
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	<p>cotton overalls buttoned to the neck and wrist. Clothing and gloves must be washed after each day's use.</p> <p>Nursery Stock: Tree crops in containers Do not allow entry into treated areas or re-handle treated plants for 1 day after treatment. When prior entry or re-handling is required wear rubber gloves and cotton overalls buttoned to the neck and wrist. Clothing and gloves must be washed after each day's use.</p> <p>Cotton Crops Do not allow entry into treated areas for 2 days after treatment. When prior entry is required wear rubber gloves and cotton overalls buttoned to the neck and wrist. Clothing and gloves must be washed after each day's use.</p> <p>All other crops Do not allow entry into treated areas for 1 day after treatment. When prior entry is required wear rubber gloves and cotton overalls buttoned to the neck and wrist. Clothing and gloves must be washed after each day's use.</p>
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<b>Protections:</b>	<p><b>PROTECTION OF LIVESTOCK:</b> Dangerous to bees. Do not spray plants in flower while bees are foraging.</p> <p><b>PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT:</b> DO NOT contaminate streams, rivers or waterways with the chemical or used containers.</p>
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<b>Storage and Disposal:</b>	<p>Store in the closed, original container in a cool, well-ventilated area. Do not store for prolonged periods in direct sunlight.</p> <p>Triple or preferably pressure rinse containers before recycling or disposal. Add rinsings to spray tank. If recycling or returning for reuse, replace cap and return rinsed clean containers to recycler, designated collection or refilling point. If not recycling or returning for reuse, break, crush, or puncture rinsed container and deliver empty packaging for appropriate disposal to drumMuster, an approved recycling program or accredited waste management facility. Containers and their product must not be burnt. Do not re-use empty containers for any other purpose.</p> <p>Do not dispose of undiluted chemicals on site. Excess and unwanted chemicals should be registered for collection through the national ChemClear® or equivalent collection and disposal program.</p>
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<b>Safety Directions:</b>	<p>Product is poisonous if absorbed by skin contact or swallowed. Will irritate the eyes and skin. Avoid contact with eyes and skin. When opening the container and preparing the spray and using the prepared spray wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and a washable hat and elbow-length chemical resistant gloves. 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 and contaminated clothing. Avoid bare skin contact with treated surfaces for 7 days.</p>
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<b>First Aid Instructions:</b>	<p>If swallowed, splashed on skin or in eyes, or inhaled, contact a Poisons Information Centre (phone 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.</p>
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<b>First Aid Warnings:</b>	
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## CROP INDEX

Crop	Page	Crop	Page
Apples		Mangoes	
Apricots		Nectarines	
Avocados		Non-crop areas	
Beetroot		Oranges	
Cereals		Ornamentals	
Citrus (oranges and lemons only)		Pasture seed crops	
Commercial areas		Pastures	
Cotton		Peaches	
Coconut		Pears	
Cucurbits (melons and other cucurbits, prior to flowering only)		Pecans	
Duboisia		Plums	
Elm Trees		Pome fruit (thinning)	
Feijoa (non-fruiting / non-flowering only)		Potatoes	
Grapes (butt treatment only)		Prunes	
Guavas (non-fruiting / non-flowering only)		Rambutans (non-fruiting / non- flowering only)	
Indian Sandalwood (plantations and nurseries only)		Raspberries	
Industrial areas		Rice	
Jaboticaba (non-fruiting / non-flowering only)		Rights of way	
Jackfruit (non-fruiting / non-flowering only)		Rosella	
Kenaf (non-food crops only)		Roses	
Lemons		Sorghum	
Longans		Stone fruit (except cherries)	
Loquats (thinning, up to fruit size 10mm only)		Strawberry (runner production only)	
Lucerne		Swedes	
Litchis (non-fruiting / non-flowering only)		Sweet potato	
Macadamias		Tobacco bulk sheds	
Maize		Turnips	

## PEST INDEX

PEST		Page No.
28-spotted ladybird	<i>Epilachna virgintisex punctata</i>	
Ants	F. FORMICIDAE	
Armyworms	F. NOCTUIDAE	
Australian plague locust	<i>Chortoicetes terminifera</i>	
Beetles	O. COLEOPTERA	
Black sunflower scarab	<i>Pseudoheteronyx</i> spp.	
Bronze orange bug	<i>Musgraveia sulciventris</i>	
Brown planthopper	<i>Nilaparvata lugens</i>	
Cabbage moth	<i>Plutella xylostella</i>	
Cabbage white butterfly	<i>Pieris rapae</i>	
Castor oil looper	<i>Achaea janata</i>	
Caterpillars	O. LEPIDOPTERA	
Chewing insects	Various	
Citrus leaf eating caterpillar	Various	
Cluster caterpillar	<i>Spodoptera litura</i>	
Codling moth	<i>Cydia pomonella</i>	
Common mango scale	<i>Aulacaspis tubercularis</i>	
Cornelian (butterfly)	<i>Deudoryx epijarbas diovis</i>	
Cucurbit stemborer	<i>Apomecyna histrio</i>	
Cutworms	<i>Agrotis</i> spp.; Noctuidae	
Early fruit caterpillars (heliiothis)	<i>Helicoverpa</i> spp.	
Elm leaf beetle	<i>Pyrrhalta luteola</i>	
English wasp	<i>Vespula germanica</i>	
European earwig	<i>Forficula auricularia</i>	
European wasp	<i>Vespula vulgaris</i>	
Fig leafhopper	<i>Austroasca australica</i>	
Flattid planthoppers	F. FLATIDAE	
Fleas	O. SIPHONAPTERA	
Fruit-tree borer	<i>Cryptophasa melanostigma</i>	
Fruit piercing moth (fruit sucking moth)	Various	
Fuller's rose weevil	<i>Asynonychus cervinus</i>	
Grass caterpillar	<i>Herpetogramma licarsisalis</i>	
Grasshoppers	F. ACRIDIDAE	
Green treehopper	<i>Sextius virescens</i>	
Green vegetable bug	<i>Nezara viridula</i>	
Heliiothis (budworms)	<i>Helicoverpa</i> spp.	
Honey bees in concealed hives	<i>Apis mellifera</i>	
Jassids (see leafhoppers)		
Leafeating beetles	F. CHRYSOMELIDAE	
Leafeating ladybirds	<i>Epilachna</i> spp.	
Leafeating loopers	F. GEOMETRIDAE	
Leafhoppers (jassids)	F. CICADELLIDAE	
Leafroller moths	F. TORTRICIDAE	
Lightbrown apple moth	<i>Epiphyas postvittana</i>	
Loopers	F. GEOMETRIDAE	
Lucerne flea	<i>Sminthurus viridis</i>	
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Macadamia cup moth	<i>Comana fasciata</i>	

Continued...

PEST		Page No.
Macadamia nutborer (macadamia nut moth)	<i>Cryptophlebia ombrodelta</i>	
Macadamia twig-girdler	<i>Neodrepta luteotactella</i>	
Mealybugs	F. PSEUDOCOCCIDAE	
Migratory locust	<i>Locusta migratoria</i>	
Monolepta beetle (see redshouldered leaf beetle)		
Moths	O. LEPIDOPTERA	
Orange fruitborer	<i>Isotenes miserana</i>	
Oriental fruit moth	<i>Cydia molesta</i>	
Pasture cockchafer	F. SCARABAEIDAE	
Pasture leafhopper.	<i>Toya</i> spp	
Pear and cherry slug	<i>Caliroa cerasi</i>	
Pearleaf blister mite	<i>Phytoptus pyri</i>	
Pink wax scale	<i>Ceroplastes rubens</i>	
Potato moth	<i>Phthorimaea operculella</i>	
Pumpkin beetle	<i>Aulacophora hilaris</i>	
Raspberry fruit caterpillar	<i>Lobesia</i> spp.	
Redshouldered leaf beetle (monolepta beetle)	<i>Monolepta australis</i>	
Rough bollworm	<i>Earias huegeli</i>	
Rutherglen bug	<i>Nysius vinitor</i>	
Sandal-box hawk moth	<i>Coenotes eremophilae</i>	
Sitona weevil	<i>Sitona discoideus</i>	
Sorghum midge	<i>Contarinia sorghicola</i>	
Spined citrus bug	<i>Biprorulus bibax</i>	
Sucking insects	Various	
Swarming leaf beetles	<i>Rhyparida</i> spp.	
Tobacco beetle	<i>Lasioderma serricorne</i>	
Tobacco leaf miner	<i>Phthorimaea operculella</i>	
Vegetable weevil	<i>Listroderes difficilis</i>	
Wasps (see English & European wasp)		
Weevils	F. CURCULIONIDAE	
White wax scale	<i>Gascardia destructor</i>	
Wingless grasshopper	<i>Phaulacridium vittatu</i>	
Yellow peach moth	<i>Conogethes punctiferalis</i>	
Yellow-winged locust	<i>Gastrimargus musicus</i>	

## DIRECTIONS FOR USE:

### Aerial application

When mixing and loading Kendon Carbaryl 500SC Insecticide for aerial application, the use of a closed transfer/mixing system is required to reduce operator exposure to an acceptable level.

If Kendon Carbaryl 500SC Insecticide is being applied by air and flaggers are required to be used, they must be protected by engineering controls. Engineering controls include closed cabins of tractors or vehicles where a flagger will not be exposed to spray from the aircraft.

### TREE AND VINES CROPS

<b>RATE</b>				<b>CRITICAL COMMENTS</b>
In the following table, all rates given are for dilute spraying. Where appropriate, for concentrate spraying, refer to the <b>Application</b> section in the <b>GENERAL INSTRUCTIONS</b> .				Where appropriate 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.
<b>CROP</b>	<b>PEST</b>	<b>RATE (dilute spraying)</b>	<b>WHP</b>	
Avocados	Red shouldered leaf beetle, wingless grasshopper	200 mL/100 L water	3 days (H)	Apply when infestation is first observed and repeat as swarms re-infest.
Citrus (oranges and lemons only)	Lightbrown apple moth, Yellow peach moth, Fruit piercing moth (fruit Sucking moth), Orange fruit borer, Citrus leaf-eating caterpillar, Fuller's rose weevil, Wingless grasshopper	160 to 200 mL/ 100 L water		Apply at first sign of pest activity and repeat at intervals of 2 weeks or as necessary. Use higher rate when higher insect pressure occurs. Fuller's rose weevil: Spray lower parts of the trees and ground beneath.
	Spined citrus bug, Bronze orange bug	100 mL/100 L water		
	Pink wax scale, White wax scale	140 mL plus 1.0 L summer spray oil per 100 L water		Spray trees thoroughly to dripping point in late November to early December followed by a second application in late January to early February. Add the summer oil to water in vat before KENDON CARBARYL 500SC INSECTICIDE. Keep the mixture agitated while spraying. <b>Note:</b> Concentrate spraying is not appropriate for this use.
Coconut (non- flowering / non-fruiting trees only)	Palm leaf beetle	200 mL/100 L water or 2.2 L/ha	-	Apply at first sign of pest activity and repeat as necessary.
Feijoa, guavas (non- flowering / non-fruiting trees only)	Orange fruit borer, wingless grasshopper	200 mL/100 L water	-	Spray trees thoroughly to dripping point in late November to early December followed by a second application in late January to early February. Add the summer oil to water in vat before KENDON CARBARYL 500SC INSECTICIDE. Keep the mixture agitated while spraying. <b>Note:</b> Concentrate spraying is not appropriate for this use.

**DIRECTIONS FOR USE continued:**

SITUATION	PEST	RATE	WHP (days)	CRITICAL COMMENTS
Grapes (butt treatments only)	Cutworms	160 to 200 mL/ 100 L water	-	Spray around base of plants when attack first noticed. Use higher rate where high insect pressure occurs.
Jaboticaba, jackfruit (non-flowering / non-fruiting trees only)	Swarming leaf beetle, wingless grasshopper	200 mL/100 L water	-	Several applications may be needed. DO NOT apply after commencement of flowering.
Loquats	Fruit thinning	200 mL/100 L water	-	Only to be used for fruit thinning, up to fruit size 10 mm.
Longans, Litchis (non-flowering / non-fruiting trees only)	Castor oil looper, Leaf eating looper, Macadamia nutborer, Redshouldered leaf beetle, Swarming leaf beetle, Yellow peach moth, Monolepta beetles, Rhyparida beetles, Leafroller, Wingless grasshopper	200 mL/100 L water	-	Apply at first sign of pest activity and repeat spray as necessary. Thorough coverage of foliage is required.
Macadamias	Macadamia nutborer, Macadamia twig-girdler, Redshouldered leaf beetle, Cornelian (butterfly), Macadamia cup moth, Macadamia nut moth, Yellow peach moth	200 mL/100 L water	-	Apply a preventative spray after moths have been flighting.
	Wingless grasshopper			Spray infested area thoroughly as required.
Mangoes	Fig leafhoppers	200 mL/100 L water	7 days (H)	Apply when large populations appear on leaf stalks (October - November).
	Wingless grasshopper			Spray infested area thoroughly as required.
	Flattid plant hoppers, Pink wax scale, Common mango scale	140 mL/100 L water		Apply in December.
Pecans	Orange fruitborer, Yellow peach moth	200 mL/100 L water	-	Apply to mature trees carrying nuts. Direct spray to clusters of nuts where pests build up.

**DIRECTIONS FOR USE continued:**

SITUATION	PEST	RATE	WHP (days)	CRITICAL COMMENTS
<b>POME FRUIT</b> Apples, pears  <b>Refer to the 'Pome Fruit' section in GENERAL INSTRUCTIONS for information on crop safety.</b>	Early fruit caterpillars (heliathis), codling moth, lightbrown apple moth, pearleaf blister mite, wingless grasshopper	160 to 200 mL/ 100 L water	11 weeks (H)	Apply at first sign of pest activity. Repeat spray at 21 day intervals during the season. Use higher rate where high insect pressure occurs. A reduction in fruit set may occur if application is made within 30 days after full bloom. DO NOT apply to apples and pears within 30 days AFTER full bloom if reduction in fruit set is not desired.
	Fruit thinning			A careful appraisal of all factors likely to thin the crop should be made before spraying. If reduction in fruit set is desired apply between 7 to 28 days after full bloom.
	Pear and cherry slug	200 mL/100 L water		Apply as pest populations indicate.
Rambutans (non-flowering / non-fruiting trees only)	Castor oil looper, redshouldered leaf beetle, swarming leaf beetle, wingless grasshopper	200 mL/100 L water	-	Apply at first sign of pests and repeat as required.
Raspberries	Grasshoppers, heliothis, mealy bug, Rutherglen bug, weevils, armyworm, lightbrown apple moth, raspberry fruit caterpillar, wingless grasshopper	200 mL/100 L water	7 days (H)	Apply at first sign of pests and repeat as required.
<b>STONE FRUIT</b> Apricots, nectarines, peaches, plums, prunes only. DO NOT use on cherries.	Green treehopper, lightbrown apple moth, oriental fruit moth, pear and cherry slug, redshouldered leaf beetle, orange fruitborer, heliothis (budworms)	160 to 200 mL/100 L water	5 weeks (H)	Apply at first sign of pest activity and repeat at intervals of 2 weeks or as necessary. Use higher rate where high insect pressure occurs. Spot spraying may be all that is required to control red shouldered leaf beetle.
	Wingless grasshopper	200 mL/100 L water		Spray infested area thoroughly as required.
	Fruit-tree borer	290 mL/100 L water		Apply to areas of trunks and limbs showing damage by borer. Ensure that protective webbing and surrounding bark is saturated. Allow spray to enter larvae tunnel. Apply by coarse spray twice at 21 day intervals during winter. <b>Note:</b> Concentrate spraying is not appropriate for this use.
	European earwig	200 mL/100 L water		Apply when pests are present and repeat as necessary.

**FRUIT AND VEGETABLES:**

SITUATION	PEST	RATE	WHP (days)	CRITICAL COMMENTS
Beetroot	Vegetable weevil	300 mL/100 L water	3 days (H)	Apply at first sign of pest activity and repeat as necessary.
	Wingless grasshopper, green vegetable bug, heliothis (budworms), leaf eating ladybird, cutworms, European earwig, potato moth, Rutherglen bug, armyworms	160 to 200 mL/100 L water		Apply at first sign of pest activity and repeat as necessary. Use higher rate where high insect pressure occurs.
Cucurbits (melons and other cucurbits, prior to flowering only)	Heliothis (budworms), pumpkin beetle, 28-spotted ladybird, cucurbit stemborer, wingless grasshopper, green vegetable bug, leaf eating ladybird, cutworms, European earwig, potato moth, Rutherglen bug, armyworms	200 mL/100 L water	-	Apply at first sign of pest activity and repeat as necessary. Use higher rate where high insect pressure occurs.
Rosella (non-food crops)	Leaf eating beetles, wingless grasshopper, green vegetable bug, heliothis (budworms), leaf eating ladybird, cutworms, European earwig, potato moth, Rutherglen bug, armyworms	200 mL/100 L water	-	Apply at first sign of pest activity and repeat as necessary. Use higher rate where high insect pressure occurs.
Potatoes	Potato moth, wingless grasshopper, green vegetable bug, heliothis (budworms), leaf eating ladybird, cutworms, European earwig, Rutherglen bug, armyworms	200 mL/100 L water <b>OR</b> 2.2 L/ha	3 days (H)	Apply at first sign of pest activity. Use sufficient water for good coverage. One or two later sprays at 3 to 4 week intervals could be required.
Sweet potato	Sweet potato weevil	200 mL/100 L water <b>OR</b> 2.2 L/ha	3 days (H)	Apply at first sign of pest activity and repeat as necessary.
Turnips (Swede)	Vegetable weevil, wingless grasshopper, cabbage white butterfly, green vegetable bug, heliothis (budworms), pumpkin beetle, leaf eating ladybird, cutworms, European earwig, potato moth, Rutherglen bug, armyworms, cabbage moth	300 mL/100 L	3 days (H)	Apply at first sign of pest activity and repeat as necessary.
Strawberry (runner production only)	Grasshoppers	200 mL/100 L water	-	Apply at first sign of pest activity and repeat as necessary.

**FIELD CROPS AND PASTURES:**

SITUATION	PEST	RATE	WHP (days)	CRITICAL COMMENTS
Cereals, including sorghum and maize	Armyworms, cutworms, heliothis (budworms), redshouldered leaf beetle, Rutherglen bug, wingless grasshopper	160 to 200 mL/ 100 L water <b>OR</b> 1.8 to 2.2 L/ha	14 days (G & H)	Apply when pest appears and repeat as necessary. Use higher rate where high insect pressure occurs.
	Australian plague locust, migratory locust, yellow-winged locust	1.2 to 1.4 L/ha		Apply when pest appears and repeat as necessary. Use higher rate on adults.
Cotton	Rough bollworm, black sunflower scarab	200 mL/ 100 L water <b>OR</b> 2.2 L/ha	3 days (H)	Apply when pest appears and repeat at 7 to 14 day intervals as necessary. <b>DO NOT</b> use on cotton after 25% of bolls have opened.
Duboisia	Australian plague locust, cluster caterpillar, grasshoppers, leaf eating ladybirds, sandal-box hawk moth	200 mL/ 100 L water <b>OR</b> 2.2 L/ha	-	Apply when pest appears and repeat as necessary.
Kenaf (non-food crops)	Redshouldered leaf beetle	2.2 L/ha	-	Apply as pest pressure indicates.
Lucerne	Lucerne leafroller, sitona weevil	1.8 L/ha	7 days (G)	Apply at first sign of pest activity and repeat as necessary. Use sufficient water for adequate coverage.
	Heliothis (budworms), leafhoppers (jassids)	2.2 L/ha		
	Lucerne flea	500 mL/ha		
Pastures, pasture seed crops	Wingless grasshopper	160 mL/ 100 L water	7 days (G)	Spray infested areas thoroughly as required.
	Grass caterpillar	1.1 L/ha		Apply when pest appears and repeat when necessary.
	Pasture leafhopper	200 mL/ 100 L water <b>OR</b> 1.6 L/ha		DO NOT use excessively in areas where grass is germinating. Use higher rate on adult locusts or when high insect pressure occurs.
	Migratory locust, yellow-winged locust, Australian plague locust	1.2 to 1.4 L/ha		Pasture cockchafer: Apply about 4 weeks after opening rains.
	Cutworms, sitona weevil, pasture cockchafer, armyworms, heliothis (budworms)	2.2 L/ha		<b>WARNING:</b> Some cultivars of tropical pasture legumes may develop phytotoxic symptoms after use.
	Lucerne leafroller, armyworms, cutworms, sitona weevil	1.8 to 2.2 L/ha <b>OR</b> 200 mL/100 L water		Lucerne flea: Apply 3 - 5 weeks after opening autumn rains and repeat as necessary.
	Lucerne flea	500 mL/ha		
Rice	Brown planthopper	2.2 L/ha	14 days (H & G)	Apply as pest populations indicate. Under heavy pressure, re-treatment after 14 days may be necessary. Phytotoxicity may occur if applied within 15 days before or after use of propanil. <b>DO NOT</b> apply before heading if propanil has been or will be applied.
Sorghum	Sorghum midge, heliothis (budworms)	160 to 200 mL/ 100 L water <b>OR</b> 1.8 to 2.2 L/ha	14 days (H & G)	Make first application when 1 to 2 midges are present per head and when 90% heads emerged. Further applications at 4 day intervals may be required depending on crop potential. <b>Aerial Application:</b> Apply in not less than 15 to 20 L water.

**ORNAMENTALS:**

SITUATION	PEST	RATE	CRITICAL COMMENTS
Ornamentals	Beetles, caterpillars, chewing insects, cabbage moth, cabbage white butterfly, cutworms, European earwig, green vegetable bug, heliothis (budworms), leaf eating ladybirds, leafroller moths, loopers, potato moth, pumpkin beetle, Rutherglen bug, sucking insects, tobacco leaf miner	200 mL/100 L water <b>OR</b> 2.2 L/ha	Apply when pests appear and repeat as necessary. The product may be used as often as necessary with predatory mites ( <i>Phytoseiulus persimilis</i> ). NOTE: Because of the wide range of ornamentals and their pests, phytotoxicity and efficacy of this product cannot be guaranteed, so use a small test area before widespread use.
	Wingless grasshopper	175 mL/100 L water	Spray infested areas thoroughly as required. NOTE: Because of the wide range of ornamentals and their pests, phytotoxicity and efficacy of this product cannot be guaranteed, so use a small test area before widespread use.
	White wax scale	150 mL <b>PLUS</b> 1.0 L summer spray oil per 100 L water	Apply in late November to early December. An additional application in late January to early February may be required. NOTE: Because of the wide range of ornamentals and their pests, phytotoxicity and efficacy of this product cannot be guaranteed, so use a small test area before widespread use.
Roses	Cluster caterpillar, lightbrown apple moth	200 mL/100 L water	Apply at first sign of pest activity and then as necessary. Spray to point of wetness. Some plant damage may occur with close interval spraying.
Elm trees in non-crop situations	Elm leaf beetle	200 mL/100 L water	Apply when pests appear and repeat as necessary.
Indian Sandalwood ( <i>Santalum album</i> ) plantations and sandalwood nurseries	Browsing insects, redshouldered leaf beetles	Apply at a maximum rate of 2.2 L/ha applied aerially or via ground based shrouded spray rigs	Use shrouds and directed spray nozzles where spraying occurs amongst the crop. DO NOT apply more than twice in any one year.

**INDUSTRIAL AND EXTERNAL DOMESTIC AREAS:**

<b>SITUATION</b>	<b>PEST</b>	<b>RATE</b>	<b>CRITICAL COMMENTS</b>
Non-crop, commercial and industrial areas, rights of way	Wingless grasshoppers	160 mL/100 L water	Thoroughly spray infested areas as required. Apply by high volume ground spray using sufficient spray to get good coverage (220 to 1100 L/ha).
	Grasshoppers	1.1 to 1.4 L/100 L water	
	European earwig	80 mL/15 L water	Apply liberally to exterior surfaces of buildings, fences, wood piles, rockeries and other breeding areas. Repeat application 4 weeks later.
Industrial and external domestic areas	European earwig	80 mL/15 L water	Apply liberally to exterior surfaces of buildings, fences, wood piles, rockeries and other breeding areas. Repeat application 4 weeks later.
	Grasshoppers	1.1 to 1.4 L/100 L water	Apply by high volume ground equipment to control swarms. Use sufficient water for good coverage, usually 220 to 1100 L/ha.
	Vespid (European and English) wasps in concealed nests	130 to 320 mL per L water	Pour or squirt into entrance of underground nest, or spray semi-concealed nest. Apply preferably at night and wear protective clothing and veil to avoid stings.
	Honey bees in concealed hives	1.1 L/100 L water	Spray into nests in the open and in enclosed cavities where the nest is close to the entrance used by the bees. Destroy the nest if accessible. DO NOT use honeycomb - destroy or bury it. Apply preferably at night and wear protective clothing and veil to avoid stings.
Tobacco bulk sheds	Ants, European earwig, fleas, moths, tobacco beetle, weevils	200 mL/10 L water	Spray thoroughly surfaces to be treated. Five litres of spray should cover 100 m <sup>2</sup> .

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

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## GENERAL INSTRUCTIONS:

### Mixing

Shake container before use. Fill tank half full of water, add KENDON CARBARYL 500SC INSECTICIDE and mix thoroughly, then add remainder of water and mix again. When using as a tank mix with spray oils, add the product AFTER thoroughly mixing the oil with water in the spray tank.

### Application

Good pest control and fruit thinning (pome fruit) 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.

Do not apply under weather conditions, or from spraying equipment, which could be expected to cause spray to drift onto adjacent crops, crop lands, pastures or livestock.

### Special Instructions for Tree and Vine Crops

#### *Dilute Spraying*

- Use a sprayer designed to apply high spray volumes, 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 spray volume to cover the crop to the point of run-off. Avoid excessive run-off.
- The required spray volume to achieve point of run-off may be determined by applying different test volumes, using different settings on the sprayer, or from industry guidelines or other 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 to achieve point of run-off 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 spray 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 spray 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 1500 L/ha
  2. Your chosen concentrate spray volume: For example 500 L/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 200 mL/100 L, then the concentrate rate becomes  $3 \times 200$ ; that is 600 mL of product per 100 L water for concentrate spraying.
- The chosen spray volume, amount of product per 100 L, 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.

### Crop Safety

Several days of high humidity or rain after spraying may result in some damage to tender foliage.

### *Pome Fruit*

DO NOT use on quinces. DO NOT use on McIntosh and York varieties of apples. DO NOT apply to Delicious and Williams Favourite apples before, during or shortly after frost as russet may occur. DO NOT apply in combination with summer oil on apples and pears as fruit spotting may occur. Applications may cause russet to Delicious and Williams Favourite when applied before, during or after frost. Residues can affect colouring of red varieties.

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**Compatibility**

This product may be combined in the spray vat with any one of the following products: copper oxychloride, dimethoate, dicofol, iprodione liquid, carbendazim, summer spray oil, wettable sulphur. DO NOT mix with Lime Sulphur, Bordeaux mixture or other alkaline materials.

As formulations of other manufacturers' products are beyond the control of Kendon Plant Care Pty. Ltd., all mixtures should be tested prior to mixing commercial quantities.