POISON

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

Vertimec® Pro

Insecticide/Miticide

syngenta®

ACTIVE CONSTITUENT: 18 g/L ABAMECTIN

GROUP	6	INSECTICIDE

For the control of certain mites and insect pests on Apples, Avocados, Capsicums, Citrus, Hops, Ornamentals, Oil tea tree, Pears, Tomatoes, Strawberries and certain other fruit, vegetable and field crops as specified in the Directions for Use.

Syngenta Australia Pty Ltd
Level 1, 2-4 Lyonpark Road, Macquarie Park NSW 2113

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

APVMA Approval No: 69685/124658

SC Formulation type **Suspension Concentrate**

DIRECTIONS FOR USE

Restraints:

DO NOT use if rainfall is expected before spray has dried as reduced efficacy may result.
DO NOT overhead irrigate within 24 hours of application.

Crop	Pest	Rate	WHP (days)	Critical Comments
Apples, Pears	European Red Mite (*Panonychus ulmi*) Two-spotted Mite (*Tetranychus urticae*)	750 mL/ha plus 5 L/ha Summer Oil See General Instructions for mixing rates	14 (G, H)	For best results, apply the product using dilute applications (spraying to the point of runoff). If applying with concentrate applications efficacy may be compromised. DO NOT apply at more than two times concentrate, ie half the dilute water volume. Apply the same total amount of VERTIMEC PRO to the target crop whether applying VERTIMEC PRO by dilute or concentrate spraying methods. DO NOT apply VERTIMEC PRO before or after applications of Delan* or Captan*. In apples, apply VERTIMEC PRO from 2 to 6 weeks after petal fall if monitoring shows high numbers of over-wintering European Red Mite eggs are present, or if mites are a problem early in the season. In pears, timing is not as critical and the application should be made soon after mite numbers have reached the threshold for your area. Generally VERTIMEC PRO takes about 7 days to reach maximum mite control. VERTIMEC PRO will control moderate to high mite populations, but in the absence of predatory mites (see Integrated Pest Control below), retreatment with another miticide may be necessary. If retreatment is required, use an approved miticide from a different chemical group. Refer to notes on Resistance and Crop Safety under General Instructions section of this label. Integrated pest control: The effects of VERTIMEC PRO on parasitic wasps and other beneficial insects in Australian orchards are not fully known. Studies have shown that after application of VERTIMEC PRO, predatory mite populations may not increase for a number of weeks, due to a lack of suitable pest mite prey. Predatory mite numbers will increase with any increase in pest mite numbers allowing the continuation of biological mite control. DO NOT use in IPM programs unless the pest mite threshold has been reached and predators are unlikely to achieve effective control.
Avocados	Tea Red Spider Mite (*Olygnychus coffeae*)	37.5 mL/100 L water with 500 mL Summer Oil per 100 L water	14 (H)	Apply at the first signs of infection and before severe infestation. For good control apply in early spring. Apply by foliar application with ground equipment only (air-blast or equivalent). Spray in sufficient volume to ensure thorough coverage. Apply in the range of 1000 – 1500L/ha. DO NOT apply more than 2 applications per crop. Applications should be applied 14 - 28 days apart. Apply in accordance with the Resistance Management Strategy. To avoid resistance build up, the product should be rotated with other approved miticides and insecticides from different chemical groups.

Crop	Pest	Rate	WHP (days)	Critical Comments
Adzuki beans, mung beans and navy beans	Two-spotted mite (*Tetranychus urticae*) Bean or onion thrips (*Thrips tabaci*)	300 mL/ha	28 (G, H)	Monitor crops regularly and apply as soon as threshold mite or thrips numbers have been reached. Best results will be achieved when spray is applied to low mite or thrips populations. Application to high populations may not give satisfactory control. Thorough coverage of foliage is essential. For aerial spraying, apply in a minimum water volume of 20 L/ha. Preferably use aircraft fitted with Micronair equipment using settings to produce a medium droplet size. For ground application, apply using a boom spray with inter-row droppers in a minimum water volume of 100 L/ha. Apply a maximum two (2) foliar applications per crop, with a minimum re-treatment interval of 7 – 10 days between applications.
Blackcurrants	Two-spotted mite (*Tetranychus urticae*)	300 or 450 mL/ha or 60-90 mL/100 L	21 (H)	Apply using spray volume of 1000L/ha. Spray to point of runoff. DO NOT exceed 1200L/ha. When applying 60-90mL/100L application, DO NOT exceed 500L/ha spray volume. DO NOT apply more than one application per season. Apply when mites appear before numbers exceed 3 mites / leaf. Apply using high volume ground spray application using an air blast sprayer. DO NOT use in an IPM program unless the pest mite threshold has been reached and predatory mites are unlikely to provide effective control
Blackberries and Raspberries	Two-spotted mite (*Tetranychus urticae*)	300 or 450 mL/ha or 60-90 mL/100 L	7 (H)	Apply using ground application equipment (boom spray/knapsack) to the point of runoff. Ensure thorough coverage by increasing water volume in accordance with crop growth. Thorough coverage and penetration into bushes is essential. When applying 60-90mL/100L application, DO NOT exceed 500L/ha spray volume. DO NOT use more than 2 applications per crop, with a minimum retreatment interval of 28 days between consecutive applications. Apply in accordance with the Two-Spotted Mite Resistance Management Strategy.
Blackberries, Raspberries and Blueberries	Queensland fruit fly (QFF) (*Bactrocera tryoni*)	<u>Spot treatment</u>: To prepare diluent, add 25 mL product /100 L, plus yeast autolysate. To be applied at 125 spots / ha, with 20 mL diluent applied per spot. <u>Strip Spray Treatment</u>: To prepare diluent, add 25 mL product /100L, plus yeast autolysate. To be applied at 15 L diluent / ha.	7 (H)	Apply with ground equipment (spray gun, knapsack sprayer, or equivalent) only. Direct spray towards the base of bushes where fruit bearing is sparse. Apply on a weekly basis starting from a month prior to harvest (i.e. green berry stage) through to the end of the berry harvest. Add yeast autolysate as an attractant at the recommended label rate. Allow approximately 7 days between consecutive spray applications. DO NOT make more than 12 applications to any fruit crop in any one season. DO NOT apply when conditions are unsuitable for water based sprays (i.e. high temperatures, strong winds, inversion conditions, imminent rain). Apply no more than four (4) sequential spray applications of VERTIMEC PRO or another abamectin product before switching to another registered fruit fly insecticide from another chemical group for at least two (2) applications. VERTIMEC PRO only has contact residual activity against QFF (i.e. has no systemic action).

Crop	Pest	Rate	WHP (days)	Critical Comments
Duboisia	Red spider mite (*Tetranychus urticae*)	750 mL/ha plus 5 L/ha of summer oil.	-	Apply to point of run off. Thorough coverage is essential. Monitor crops regularly and apply as soon as the threshold mite number for your area has been reached. Best results will be obtained when applied to low mite populations. Application under high populations may not give satisfactory control, in this case a second application 7-10 days later may be needed.
Citrus	Broad Mite (*Polyhagotarsonemus latus*) Brown Citrus Rust Mite (*Tegolophus australis*) Citrus Rust Mite (*Phyllocoptera oleivora*)	Dilute spray 15 mL/100 L or 25 mL/100 L plus 250 mL/100 L Summer Oil Concentrate spray Refer to the Application Section - Citrus	7 (H)	Apply as pest pressure indicates as a dilute spray in 3000 to 6000 L water/ha. Apply by dilute or concentrate spraying equipment. Use the higher rate under conditions of high pest pressure. Apply the same total amount of VERTIMEC PRO to the target crop whether applying VERTIMEC PRO by dilute or concentrate spraying methods. Make no more than 1 application per season.
Citrus	Queensland fruit fly (QFF)	25 mL/100 L	7 (H)	Apply in a spray volume of 15 – 20 L/ha in combination with suitable protein based lure product. Apply treatment when fruit fly activity is initially observed, as determined by regular monitoring and fruit fly trapping. Apply as a coarse spray in a 1 m wide band spray to tree skirt using a spray gun, knapsack sprayer or equivalent. Apply to one side of every row or every second row of trees. Apply a maximum of 6 applications in a season with a minimum retreatment interval of 7 days. VERTIMEC PRO should be used in conjunction with other registered QFF control methods.
Cucumber, squash and zucchini	Two-spotted mite (*Tetranychus urticae*)	300 - 450 mL/ha	3 (G, H)	Apply with a properly calibrated boom sprayer (or equivalent) in sufficient volume to penetrate the plant canopy and evenly cover the plant surfaces. Apply before pest populations reach economic damaging levels. Re-apply if monitoring shows moderate numbers of pest mites re-infest plants. Allow at least 28 days between applications. DO NOT apply more than 2 applications per crop VERTIMEC PRO and other abamectin products should not be applied in two consecutive seasons without a chemical from a different MoA group being used in between.
Spring onions and shallots (field only)			3 (H)	
Snow peas and sugar snap peas	Two-spotted mite (*Tetranychus urticae*)		1 (H); 2 (G)	
Sweet corn (field only)	Tomato Red Spider Mite (*Tetranychus evansi*)		21 (G, H)	

Crop	Pest	Rate	WHP (days)	Critical Comments
Fruiting vegetables other than cucurbits, including tomatoes, peppers (sweet and chilli), and eggplant	Two-spotted mite (*Tetranychus urticae*) Tomato Red Spider Mite (*Tetranychus evansi*)	300 - 450 mL/ha (high volume spraying 60 mL/100 L or 90 mL/100 L)	3 (G, H)	Thorough coverage and penetration into the plant canopy is essential. Preferably apply before the build-up of mite numbers. Use higher rate in situations of greater pest pressure (in tomatoes this is when mite numbers exceed 5-6 mites per compound leaf). Re-apply when pest numbers indicate. For staked/trellised tomatoes use high volume spraying. For non-trellised/staked tomatoes use droppers to direct the spray onto plants and away from the inter-row. Alternate with other chemical groups. Allow at least 28 days between applications. DO NOT use more than 2 applications per crop. DO NOT apply more than 2 consecutive sprays before changing to an approved insecticide from a different chemical group. Refer to notes on resistance under General Instructions section of label.
	Tomato Russet Mite (*Aculops lycopersici*)			Apply as for Two-Spotted Mite. The lower rate will control Tomato Russet Mite not apparent at spraying. Use the higher rate when Tomato Russet Mite is present at spraying or is the main pest.
	Tomato Potato Psyllid (*Bactericera cockerelli*)	450 mL/ha plus 500 mL summer spray oil (or 90 mL/100 L)		Thorough coverage and penetration into the plant canopy is essential. Preferably apply before the build-up of pest numbers. Re-apply when pest numbers indicate. Alternate with other chemical groups. Allow at least 28 days between applications. DO NOT use more than 2 applications per crop. Refer to notes on resistance under General Instructions section of label.
	Tobacco Leafminer (Potato Moth) (*Phthorimaea operculella*)	600 mL/ha (for high volume spraying use 120 mL/100 L)		Apply in sufficient volume to obtain even coverage and penetration of plants. Apply on the first sign of pests. Re-apply as pest numbers indicate, or every 7 – 10 days with a maximum of 5 applications to the crop. If mites are also a project, DO NOT use more than 2 VERTIMEC PRO sprays per crop. For staked/trellised tomatoes use high volume spraying. For non-trellised/staked tomatoes use droppers to direct the spray onto plants and away from the inter-row. Refer to notes on resistance under General Instructions section of label.
Lettuce	Two-spotted mite (*Tetranychus urticae*)	300 - 450 mL/ha or 60-90 mL/100 L water	3 (H)	Apply sufficient volume for even coverage and adequate spray penetration of plants using a knapsack or boom spray. Use the higher rate for high pest pressure. DO NOT apply more than one (1) application per crop to avoid potential development of resistance. Where more frequent control of two-spotted mite is required other approved chemicals with a different MoA Group should be rotated to avoid resistance development.
Custard apple	Two-spotted mite (*Tetranychus urticae*) Banana spotted mite (*Tetranychus lambi*)	60 - 90 mL/100L or 300 – 450 mL/ha	14 (H)	Apply when mites first appear during spring/summer. Best results are obtained when applied to low pest populations. Apply by air blast sprayer or equivalent using a sufficient water volume to obtain thorough coverage. Thorough coverage is essential to achieve effective control. DO NOT apply more than one application per season.

Crop	Pest	Rate	WHP (days)	Critical Comments
Cut flowers	Tomato Potato Psyllid (*Bactericera cockerelli*)	90 mL/100 L water or 450 mL/ha	-	Use as a pre-harvest spray or post-harvest dip. Ensure adequate penetration and coverage when applying pre-harvest. For dipping, flowers must be totally immersed in the diluted solution for not less than one minute and left to air dry naturally for two hours.
Hops	Two-spotted Mite (*Tetranychus urticae*)	1 L/ha	28 (G, H)	Apply as pest pressure indicates as a dilute spray in 1000 to 2000 L water/ha, depending on crop size. Make no more than one application per season.
Lychees	Two-spotted mite (*Tetranychus urticae*) Litchi erinose mite (*Aceria litchii*)	50-100 mL/100 L water	7 (H)	Apply foliar spray when mites first appear during spring/summer. Use calibrated air-blast sprayer or similar equipment. Apply in spray volume of 1,000 to 1,500 L water per hectare. Thorough coverage of foliage is essential to achieve effective control. Apply a maximum of two (2) foliar applications per season, with a minimum re-treatment interval of 28 days. Add wetter: 0.2% horticultural spray oil (i.e. 200 mL product /100 L). Use in accordance with existing insecticide resistance management strategies.
Mushrooms	Red pepper mites (*Siteroptes mesembrinae*) Mushroom pygmy mites (*Microdispus lambi*) Soil borne nematodes of the family Rhabditidae	6 mL / 50 L of casing material 3 mL in 1.5 L of water/m^2 of growing medium	3 (H)	Apply when pests first appear using a water cart or knapsack spray. Repeat depending upon infestation. Apply as a casing drench or if in crop over beds. DO NOT apply more than 2 applications per crop with a minimum retreatment interval of 14 days. Application of VERTIMEC PRO should be made at casing material preparation stage or 2 applications watered onto casing layer as split applications. Include cultural control methods as part of an integrated pest management strategy in addition to chemical control.
Nursery stock (non-food)	Tomato Potato Psyllid (*Bactericera cockerelli*)	450 mL/ha plus 500 mL summer spray oil or 90 mL/100 L	-	Thorough coverage and penetration into the plant canopy is essential. Apply before pest populations reach economic damaging levels. Re-apply if monitoring shows moderate numbers of pests re-infest plants. DO NOT apply more than 2 applications per crop. Allow at least 7 days between applications. DO NOT apply more than 2 consecutive sprays before changing to an approved insecticide from a different chemical group.
Oil tea tree	Pyrgo beetle	300 mL/ha	21 (G)	Apply to coppice regrowth. Apply as a foliar spray by ground or aerial application. Use a spray volume of 30 – 100 L/ha. DO NOT apply more than 2 applications per crop. For resistance management alternate with products from different mode of action groups.
Papaya / pawpaw	Two-spotted mite (*Tetranychus urticae*)	300 or 450 mL/ha or 60-90 mL/ 100 L	7 (H)	Apply when pest first appears. Ensure adequate spray penetration to obtain effective control of pest. DO NOT make more than one application per season. To avoid resistance, sprays should be rotated with products from different chemical classes.

Crop	Pest	Rate	WHP (days)	Critical Comments
Passionfruit	Passionvine Mite (*Brevipalpus phoenicis* Geijskes) Two-spotted mite (*Tetranychus urticae*)	50 mL/100 L water	1 (H)	Apply with a properly calibrated boom sprayer or similar equipment in sufficient volume to penetrate the plant canopy and evenly cover the plant surfaces. Apply in the range of 1200 - 1500L/ha. Apply before pest populations reach economic damaging levels. If conditions continue to favour mite development, a second application may be required 14 - 20 days later. DO NOT apply more than two sprays per season. To avoid resistance build up, the product should be rotated with other approved miticides and insecticides from different chemical groups.
Rhubarb	Broad mite (*Polyphagotarsonemus latus*)	300 or 450 mL/ha or 60-90 mL/100 L	7 (H)	Apply using an airblast sprayer or boom sprayer. The water rate may need to increase as the crop size increases. Mature crops may require 500 L/ha and the rate per 100 L should be used. DO NOT make more than two applications per season with a minimum retreatment interval of 14 days. VERTIMEC PRO (Group 6) should not be applied in 2 consecutive crops without alternating with miticides from different chemical groups.
Strawberries	Two-spotted Mite (*Tetranychus urticae*)	100 mL/100 L If spray volume is less than 600 L/ha, use a minimum of 600 mL/ha DO NOT exceed 1200 mL/ha	3 (G, H)	Spray to wet foliage to near the point of runoff. Thorough coverage and penetration into plants is essential. Preferably apply on first appearance of mites. When applied early, 1 application may be sufficient to give effective control, however if mite numbers exceed 3 to 5 mites per leaflet, apply 2 applications spaced 7 to 10 days apart. Reapply as pest numbers indicate to a maximum of 2 sprays with VERTIMEC PRO per season. If retreatment is required after 2 consecutive sprays with VERTIMEC PRO, use an approved miticide from a different chemical group. Integrated pest control: see comments in the Apple and Pear section. Refer to notes on Resistance under General Instructions section of this label.
Ornamentals including Roses, Chrysanthemums, Carnations and indoor foliage plants	Two-spotted Mite (*Tetranychus urticae*)	50 mL/100 L to a maximum of 1.5 L/ha	-	Spray to wet foliage to near the point of runoff using at least 2000 L water/ha (100 L/500 m^2). Thorough coverage and penetration into plants is essential. Preferably apply on first appearance of mites. When applied when pest numbers are low to moderate, one application will be sufficient to give effective control, however if mites are numerous, apply a second application 7 to 10 days later. DO NOT use overhead irrigation within 24 hours after application. DO NOT use on ferns and shasta. For ornamentals not listed on the label, small test applications to assess for unexpected phytotoxicity, should be made before spraying the whole crop. DO NOT use more than 2 times per season. Refer to notes on Resistance under General Instructions section of this label.

G = Grazing, H = Harvest

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

WITHHOLDING PERIODS

Apples, Pears:	**DO NOT HARVEST FOR 14 DAYS AFTER APPLICATION** **DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 14 DAYS AFTER APPLICATION**
Adzuki beans, Mung beans, Navy beans:	**DO NOT HARVEST FOR 4 WEEKS AFTER APPLICATION** **DO NOT GRAZE FOR 4 WEEKS AFTER APPLICATION**
Avocados, Custard apple:	**DO NOT HARVEST FOR 14 DAYS AFTER APPLICATION** **DO NOT GRAZE OR CUT TREATED AREA FOR STOCK FOOD**
Blackcurrants:	**DO NOT HARVEST FOR 21 DAYS AFTER APPLICATION**
Strawberries:	**DO NOT HARVEST FOR 3 DAYS AFTER APPLICATION** **DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 3 DAYS AFTER APPLICATION**
Cucumber, Squash and Zucchini, Fruiting vegetables other than cucurbits:	**DO NOT HARVEST FOR 3 DAYS AFTER APPLICATION** **DO NOT FEED TREATED PRODUCE TO LIVESTOCK FOR 3 DAYS AFTER APPLICATION**
Citrus, Blackberries, Blueberries, Raspberries, Lychees:	**DO NOT HARVEST FOR 7 DAYS AFTER APPLICATION**
Duboisia:	**DO NOT GRAZE PLANTATIONS OR CUT GRASS FOR STOCK FOOD**
***Hops*:**	**DO NOT HARVEST, GRAZE OR CUT FOR STOCKFOOD FOR 4 WEEKS AFTER APPLICATION**
Mushrooms, Lettuce, Spring onions, Shallots:	**DO NOT HARVEST FOR 3 DAYS AFTER APPLICATION**
Nursery stock (non-food):	**NOT REQUIRED WHEN USED AS DIRECTED**
***Oil tea tree*:**	**DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 21 DAYS AFTER APPLICATION**
Ornamentals:	**NOT REQUIRED WHEN USED AS DIRECTED** **DO NOT GRAZE OR CUT FOR STOCK FOOD**
Papaya/pawpaw, Rhubarb:	**DO NOT HARVEST FOR 7 DAYS AFTER APPLICATION** **DO NOT GRAZE TREATED AREA OR CUT FOR STOCK FOOD**
Passionfruit:	**DO NOT HARVEST FOR 1 DAY AFTER APPLICATION** **Grazing: NOT REQUIRED WHEN USED AS DIRECTED**
Snow peas and Sugar snap peas:	**DO NOT HARVEST FOR 1 DAY AFTER APPLICATION** **DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 2 DAYS AFTER APPLICATION**
Sweet corn:	**DO NOT HARVEST FOR 21 DAYS AFTER APPLICATION** **DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 21 DAYS AFTER APPLICATION**

Trade advice

Export of treated produce:

Growers should note that maximum residue limits (MRLs) or import tolerances may not exist in all markets for all edible produce treated with VERTIMEC PRO. If you are growing edible produce for export, please check with industry representative or Syngenta Australia Pty Ltd for the latest information on MRLs and import tolerances before using VERTIMEC PRO.

GENERAL INSTRUCTIONS

After application VERTIMEC PRO quickly moves into leaves where it remains for several weeks and where it is taken up by sucking mites. VERTIMEC PRO is not systemic making good coverage essential. VERTIMEC PRO that is not absorbed into plants is quickly degraded.

Crop Monitoring

Effective control depends upon regular monitoring of crops. Check crops regularly (every 3 to 5 days) during the season.

Mixing

Measure the required amount of VERTIMEC PRO, add to the partly filled spray tank, and then add the remainder of the water. If oil is recommended add this after the VERTIMEC PRO is well mixed. Wetting agent is not required.
Mixing Instructions for Apple and Pear Applications: VERTIMEC PRO is not systemic making good coverage essential. To achieve 750 mL VERTIMEC PRO plus 5 L Summer Oil/ha apply spray at the following mixing rates:

	Rate/100 L required	
	VERTIMEC PRO	**Summer Oil**
1000 L/ha (minimum)	75 mL	500 mL
1500 L/ha	50 mL	335 mL
2000 L/ha	37.5 mL	250 mL
2500 L/ha	30 mL	200 mL

Crop Safety: VERTIMEC PRO plus Summer Oil has very occasionally caused slight fruit russetting on some pear varieties particularly Anjou and other sensitive varieties when used alone or when other products are applied sequentially. A very small amount of temporary apple fruit blemishing has been associated with low water volume applications. DO NOT apply VERTIMEC PRO to apples or pears before or after applications of Delan or Captan. The Directions for Use and Precautions on Summer Oil labels should be followed carefully. Certain conditions may play a part in the occurrence of this damage. DO NOT make applications:

- when temperatures exceed 28°C or are expected to exceed 28°C within 48 hours after application
- under poor or slow drying conditions or
- with equipment that may leave large droplets on fruit after application

To Avoid Crop Damage

Cut flowers: This product has been used on a wide range of ornamental plant species without damage. However some species and varieties are particularly sensitive to chemical sprays and this is often related to local conditions. It is advisable to treat only a small number of plants first, in order to ascertain their reaction before treating larger quantities.

Application

Citrus

To be effective VERTIMEC PRO requires thorough spray coverage. Ensure that equipment is properly calibrated to give an even distribution at the correct volume. The same quantity of VERTIMEC PRO per hectare should be used when spraying either the dilute or concentrate method.
Dilute Spraying: Use a sprayer designed to apply high volumes of water up to the point of runoff 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 runoff. Avoid excessive runoff. 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 VERTIMEC PRO specified in the Directions for Use table for each 100 L of water. Spray to the point of runoff. 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 runoff) 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
Dilute spray volume as determined above: for example 3000 L/ha
Your chosen concentrate spray volume: for example 500 L/ha
The concentrate factor in this example is 6X (ie. 3000 L ÷ 500 L = 6)
If the dilute label rate is 15 mL/100 L, then the concentrate rate becomes 6 x 15 that is 90 mL/100 L of concentrate spray.
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 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
VERTIMEC PRO is compatible with Summer Spray Oil*, BP Summer Spray Oil*, Codacide* and with most commonly used insecticides and fungicides. However, as formulations of other manufacturers' products are beyond the control of Syngenta Australia Pty Ltd, all mixtures should be tested prior to mixing commercial quantities.

Insecticide Resistance Warning | **GROUP** | **6** | **INSECTICIDE**

For insecticide resistance management VERTIMEC is a Group 6 insecticide. Some naturally occurring insect biotypes resistant to VERTIMEC PRO and other Group 6 insecticides may exist through normal genetic variability in any insect population. The resistant individuals can eventually dominate the insect population if VERTIMEC PRO and other Group 6 insecticides are used repeatedly. The effectiveness of VERTIMEC PRO on resistant individuals could be significantly reduced. Since occurrence of resistant individuals is difficult to detect prior to use, Syngenta Australia Pty Ltd accepts no liability for any losses that may result from failure of VERTIMEC PRO to control resistant insects. VERTIMEC PRO may be subject to specific resistance management strategies. For further information contact your supplier, Syngenta representative or local agricultural department agronomist.

Crop Specific Strategy:
VERTIMEC PRO should not be applied more than the following number of times:

Apples, Blackcurrants, Citrus (other than Queensland fruit fly control), Custard apple, Hops, Papaya/Pawpaw, Pears:	1 spray per season
Lettuce:	1 spray per crop
Capsicum, Lychees, Passionfruit, Rhubarb, Strawberries:	2 sprays per season
Adzuki beans, Avocados, Cucumber, Blackberries (foliar), Duboisia, Fruiting Vegetables, Mung Beans, Mushrooms, Navy beans, Nursery stock (non-food), Oil tea tree, Raspberries (foliar), Shallots, Snow peas, Squash, Spring Onions, Sugar snap peas, Sweet corn, Zucchini:	2 sprays per crop
Tomatoes:	2 sprays per crop if mites are present, 5 sprays if mites are not present
Citrus (Queensland fruit fly):	6 sprays per season
Blackberries, Raspberries, Blueberries (spot and strip spray for Queensland Fruit fly):	12 applications per season

In addition, VERTIMEC PRO should not be applied in 2 consecutive seasons on crops without an unrelated chemical being used in between. Alternate VERTIMEC PRO with approved miticides from other chemical groups. Consult your chemical supplier or technical consultant for advice on chemical groups.

PRECAUTION

Re-entry Period
Under field conditions the spray should be allowed to dry on the foliage before re-entry into treated areas. DO NOT allow re-entry into treated areas in glasshouse for 24 hours after treatment. When prior entry is necessary, wear cotton overalls buttons to the neck and wrist and elbow-length gloves.
Clothing must be laundered after each day's use.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

DO NOT apply under weather conditions or from spraying equipment that may cause spray to drift from the target area. Dangerous to fish and other waterborne organisms. DO NOT contaminate streams, rivers or waterways with the chemical or used containers. Dangerous to bees. DO NOT spray any plants in flower while bees are foraging. Studies indicate that when abamectin comes into contact with soil it readily and tightly binds to the soil and becomes inactive over time.

STORAGE AND DISPOSAL

Store in the closed original container in a cool, well ventilated area. DO NOT store for prolonged periods in direct sunlight.

Triple 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 deliver empty packaging to an approved waste management facility. If an approved waste management facility is not available, bury the empty packaging 500 mm 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. DO NOT burn empty containers or product.

Disposal of waste dipping solution*:* Dispose of spent treatment solutions in a waste pit at least 50 metres away from streams, drains, ponds, channels, wells, boreholes or watercourses. Ensure it is disposed of at least two metres above any groundwater, in a location that is not affected by erosion or flooding. For light soil areas it is recommended to add compost, sawdust or peat to the disposed liquid.

SAFETY DIRECTIONS

Harmful if inhaled or swallowed. May irritate the eyes and skin. Avoid contact with eyes and skin. DO NOT inhale spray mist.

When opening the container, preparing spray and using the product wear:

- **cotton overalls buttoned to the neck and wrist (or equivalent clothing)**
- **elbow-length chemical resistant gloves**
- **half face piece respirator with organic vapour/gas cartridge or canister.**

When using as a dip, wear:

- **cotton overalls buttoned to the neck and wrist (or equivalent clothing),**
- **a washable hat,**
- **elbow-length chemical resistant gloves,**
- **impervious footwear,**
- **goggles**
- **half-facepiece respirator.**

In addition, if applying by spraying equipment carried on the back of the user wear cotton overalls, over normal clothing, buttoned to the neck and wrist.

If product on skin, immediately wash area with soap and water. Wash hands after use. After each day's use wash gloves, respirator (if rubber, wash with detergent and warm water) and contaminated clothing.

FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone 131 126.

SAFETY DATA SHEET

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

DISCLAIMER

This product complies with the specifications in its statutory registration. Implied terms and warranties are excluded. Syngenta's liability for breach of the express or any non-excludable implied warranty is limited to product replacement or purchase price refund. The purchaser must determine suitability for intended purpose and take all proper precautions in the handling, storage and use of the product including those on the label and/or safety data sheet failing which Syngenta shall have no liability.

Scan here for more information including SDS and label