

Product Name: VERSYS INSECTICIDE
APVMA Approval No: 82738/125820



Label Name:	VERSYS INSECTICIDE
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Signal Headings:	READ SAFETY DIRECTIONS BEFORE OPENING OR USING
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Constituent Statements:	100 g/L AFIDOPYROPEN
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Mode of Action:	GROUP 9D INSECTICIDE
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Statement of Claims:	For the control of aphids and suppression silverleaf whitefly in certain vegetable crops, cotton and ornamentals and for the control of aphids in barley, wheat and canola, as per directions for use table.
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Net Contents:	10L 1L 5L 20L
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Restrains:	This section contains file attachment.
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Directions for Use:	This section contains file attachment.
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Other Limitations:	
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Withholding Periods:	<p>WITHHOLDING PERIOD: Brassica vegetables, celery, cucurbits, fruiting vegetables (other than cucurbits), leafy vegetables (including brassica leafy vegetables), strawberry, carrots, parsley: DO NOT harvest for 1 day after application. Cotton, ginger, potato, sweet potato, sweet corn, artichoke, rhubarb: DO NOT harvest for 7 days after application. Wheat, Barley, Canola: Not required when used as directed. GRAZING DO NOT graze sweet corn for 7 days after application. DO NOT graze wheat, barley, or canola forage for 7 days after application.</p>
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Trade Advice:	<p>TRADE ADVICE: Export of treated commodities Growers should note that Maximum Residue Limits (MRLs) or import tolerances do not exist in all markets for labeled crops treated with VERSYS Insecticide. Additionally, some export markets have established MRLs different to those in Australia. If you are growing crops for export, please check with BASF Australia Ltd for the latest information on MRLs and import tolerances BEFORE using this product.</p>
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General Instructions:	<p>GENERAL INSTRUCTIONS VERSYS Insecticide is an insecticide which acts by inhibiting behaviour in target insects. This disrupts insect orientation and the ability to feed, resulting in death. As a result, VERSYS Insecticide will only provide slow knockdown, although cessation of feeding will occur within hours of application. Monitor crops and apply VERSYS Insecticide as threshold levels are reached. VERSYS Insecticide has low toxicity to beneficial insects and is suitable for use in Integrated Pest Management programs.</p> <p>APPLICATION To be effective, thorough crop coverage is required. Ensure this by increasing water volume with plant growth stage.</p> <p>Techniques to minimize drift should be employed at all times when applying sprays (see RESTRAINTS and SPRAY DRIFT RESTRAINTS). DO NOT use a higher spray system pressure than the maximum the manufacturer specifies for the selected nozzle to deliver the droplet size category required in the label Spray Drift Restraint.</p> <p>Vegetable, herb and ornamental crops Apply by ground rig only. Apply in a minimum of 200 L/ha water with spray droplets no smaller than a COARSE category according to nozzle manufacturer specifications that refer to the ASAE S572 or BCPC standard. Adjust water volumes according to the crop growth stage to ensure thorough coverage. Always mix with Hasten Spray Adjuvant at 0.2% v/v when applying for control of silverleaf whitefly.</p> <p>Broadacre crops (including wheat, barley, canola and cotton) Apply by ground or air. Ground application: Apply in a minimum of 100 L/ha water with spray droplets no smaller than a COARSE category according to nozzle manufacturer specifications that refer to the ASAE S572 or BCPC standard. Aerial application (broadacre arable crops only): Apply in a minimum of 50L/ha water with spray droplets no smaller than a COARSE category according to nozzle manufacturer specifications that refer to the ASAE S572 or BCPC standard. Adjust water volumes according to the crop growth stage to ensure thorough coverage.</p>
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Resistance Warning:	<p>INSECTICIDE RESISTANCE WARNING GROUP 9D INSECTICIDE</p>
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	<p>For insecticide resistance management VERSYS is a Group 9D insecticide. Some naturally-occurring insect biotypes resistant to VERSYS and other Group 9D insecticides may exist through normal genetic variability in any insect population. The resistant individuals can eventually dominate the insect population if VERSYS or other Group 9D insecticides are used repeatedly. The effectiveness of VERSYS on resistant individuals could be significantly reduced. Since occurrence of resistant insects is difficult to detect prior to use, BASF Australia Ltd accepts no liability for any losses that may result from the failure of VERSYS to control resistant insects. VERSYS may be subject to specific resistance management strategies. For further information contact your local supplier, BASF Australia Ltd representative or local agricultural department agronomist.</p>
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Precautions:	<p>RE-ENTRY PERIOD DO NOT enter treated areas until spray has dried. If prior entry is necessary wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and chemical resistant gloves. Clothing must be laundered after each day's use.</p>
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Protections:	<p>PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT Very Toxic to aquatic life. DO NOT contaminate wetlands or watercourses with product or used containers.</p> <p>PROTECTION OF HONEY BEES AND OTHER POLLINATORS DO NOT apply while bees are actively foraging. Risk to bees is reduced by spraying in early morning and late evening when bees are not foraging.</p>
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Storage and Disposal:	<p>Store in the closed, original container in a dry, cool, well-ventilated area out of 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.</p>
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Safety Directions:	<p>Harmful if inhaled. Will irritate the eyes and skin. Avoid inhaling vapour or spray mist. Avoid contact with eyes and skin. When opening the container and preparing spray, wear cotton overalls buttoned to the neck and wrist, a washable hat and elbow-length chemical resistant gloves. If product on skin, immediately wash area with soap and water. Wash hands after use. After each day's use wash gloves and contaminated clothing.</p>
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First Aid Instructions:	<p>First aid is not generally required. If in doubt, contact a Poisons Information Centre (phone Australia 13 11 26) or a doctor.</p>
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First Aid Warnings:	
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RESTRAINTS

For Professional Use Only

DO NOT apply if heavy rains or storms are forecast within 3 days

DO NOT irrigate to the point of run-off from the treatment area for at least 3 days after application

DO NOT feed cotton fodder, cotton stubble or cotton trash to livestock

DO NOT use the product in protected cropping situations unless otherwise specified

SPRAY DRIFT RESTRAINTS

Specific definitions for terms used in this section of the label can be found at apvma.gov.au/spraydrift.

DO NOT allow bystanders to come into contact with the spray cloud.

DO NOT apply in a manner that may cause an unacceptable impact to native vegetation, agricultural crops, landscaped gardens and aquaculture production, or cause contamination of plant or livestock commodities outside the application site from spray drift. The buffer zones in the relevant buffer zone table/s below provide guidance but may not be sufficient in all situations. Wherever possible, correctly use application equipment designed to reduce spray drift and apply when the wind direction is away from these sensitive areas.

DO NOT apply unless the wind speed is between three and 20 kilometres per hour at the application site during the time of application

DO NOT apply if there are hazardous surface temperature inversion conditions present at the application site during the time of application. Surface temperature inversion conditions exist most evenings one to two hours before sunset and persist until one to two hours after sunrise.

DO NOT apply by a boom sprayer unless the following requirements are met:

- Spray droplets are not smaller than a COARSE spray droplet size category.
- Minimum distances between the application site and downwind sensitive areas are observed (see the following table titled 'Buffer zones for boom sprayers').

Buffer zones for boom sprayers

Application rate	Boom height above the target canopy	Mandatory buffer zones for natural aquatic areas
Up to 500 mL/ha	0.5 m or lower	35 metres
	1.0 m or lower	90 metres
Up to 350 mL/ha	0.5 m or lower	30 metres
	1.0 m or lower	70 metres
Up to 50 mL/ha	0.5 m or lower	0 metres
	1.0 m or lower	15 metres

DO NOT apply by a vertical sprayer unless the following requirements are met:

- Spray is not directed above the target canopy.
- The outside of the sprayer is turned off when turning at the end of rows and when spraying the outer row on each side of the application site.
- For dilute water rates up to the maximum listed for each type of canopy specified, minimum distances between the application site and downwind sensitive areas are observed (see the following table titled 'Buffer zones for vertical sprayers').

Buffer zones for vertical sprayers

Type of target canopy and dilute water rate	Mandatory buffer zones for natural aquatic areas
2 metres tall and shorter, maximum dilute water rate of 1000 L/ha	20 metres
Taller than 2 metres (not fully foliated), maximum dilute water rate of 1000 L/ha	45 metres
Taller than 2 metres (fully foliated), maximum dilute water rate of 1000 L/ha	35 metres

DO NOT apply by aircraft unless the following requirements are met:

- Spray droplets are not smaller than a COARSE spray droplet size category
- For maximum release height above the target canopy of 3 metres or 25 per cent of wingspan or 25 per cent of rotor diameter, whichever is the greatest, minimum distance between the application site and downwind sensitive areas are observed (see the following table titled 'Buffer zones for aircraft').

Buffer zones for aircraft

Application rate	Type of aircraft	Mandatory downwind buffer zones	
		Natural aquatic areas	Livestock areas
Up to 350 mL/ha	Fixed-wing	240 metres	10 metres
	Helicopter	160 metres	15 metres
Up to 50 mL/ha	Fixed-wing	60 metres	0 metres
	Helicopter	50 metres	0 metres

CROP	PEST	RATE	WHP	CRITICAL COMMENTS
Brassica vegetables (including broccoli, broccolini, Brussels sprouts, cabbage, cauliflower, kohlrabi)	Green peach aphid (<i>Myzus persicae</i>)	100mL/ha	1 day	Versys Insecticide disrupts insect behaviour and feeding and will provide slow knockdown. Monitor crops and commence applications as local threshold levels are reached.
Celery	Cabbage aphid (<i>Brevicoryne brassicae</i>)			Versys Insecticide will provide residual control of aphids out to 21 days. Continue to monitor crops and make subsequent applications after 14 days where necessary.
Rhubarb	Cotton aphid / Melon aphid			Apply a maximum of 2 sprays before rotating to an alternative insecticide for aphid control.
Artichokes	(<i>Aphis gossypii</i>)			Do Not apply more than 4 applications per crop. If using for whitefly control, do not apply more than 2 additional applications at the 100mL/ha rate for aphids.
Cucurbits (field and protected)	Corn aphid (<i>Rhopalosiphum maydis</i>)			Apply in sufficient water to ensure thorough coverage of the target crop. Addition of an adjuvant may aid in speed of knockdown and the overall control. For suitable adjuvants refer to the Adjuvant section in Compatibility.
Fruiting vegetables, excluding cucurbits (capsicum, chilli, eggplant, okra, tomato) (field and protected)				
Sweet corn				
Strawberry (field and protected)	Suppression of – Silverleaf whitefly (<i>Bemisia tabaci</i> Biotype B)	350 mL/ha + 0.2% v/v Hasten		When local thresholds are reached, apply a single spray before rotating to an alternative insecticide for white fly control.
Leafy vegetables and Brassica Leafy Vegetables including chard (silver beet), cress spinach, lettuce (head and leafy), bok choy, Chinese cabbage, choy sum, gai lan, kale, leafy				Do not apply more than 2 applications for whitefly control in any one crop. If using for whitefly control, do not apply more than 2 additional applications at the 100mL/ha rate for aphids.

CROP	PEST	RATE	WHP	CRITICAL COMMENTS
mustard, pak choy, rocquette Parsley				Versys Insecticide will provide suppression of both adult and nymph stages of whitefly, however it is recommended to target the nymph stage as better activity is seen against nymphs. A general decline in population will occur over time as nymph numbers are suppressed.
Cotton potato, sweet potato, ginger	Green peach aphid (<i>Myzus persicae</i>) Cabbage aphid (<i>Brevicoryne brassicae</i>) Currant lettuce aphid (<i>Nasonovia ribis-nigri</i>) Cotton aphid / Melon aphid (<i>Aphis gossypii</i>)	100mL/ha	7 days	<p>Versys Insecticide disrupts insect behaviour and feeding and will provide slow knockdown. Monitor crops and commence applications as local threshold levels are reached.</p> <p>Versys Insecticide will provide residual control of aphids out to 21 days. Continue to monitor crops and make subsequent applications after 14 days where necessary.</p> <p>Apply a maximum of 2 sprays before rotating to an alternative insecticide for aphid control.</p> <p>Do Not apply more than 4 applications per crop. If using for whitefly control, do not apply more than 2 additional applications at the 100mL/ha rate.</p> <p>Apply in sufficient water to ensure thorough coverage of the target crop. Addition of an adjuvant may aid in speed of knockdown and the overall control. For suitable adjuvants refer to the Adjuvant section in Compatibility.</p>
	Suppression of – Silverleaf whitefly (<i>Bemisia tabaci</i> Biotype B)	350 mL/ha + 0.2% v/v Hasten		When local thresholds are reached, apply a single spray before rotating to an alternative insecticide for white fly control.

CROP	PEST	RATE	WHP	CRITICAL COMMENTS
				<p>Do not apply more than 2 applications for whitefly control in any one crop. If using for whitefly control, do not apply more than 2 additional applications at the 100mL/ha rate.</p> <p>Versys Insecticide will provide suppression of both adult and nymph stages of whitefly, however it is recommended to target the nymph stage as better activity is seen against nymphs. A general decline in population will occur over time as nymph numbers are suppressed.</p>
Ornamentals (field and protected)	<p>Green peach aphid (<i>Myzus persicae</i>)</p> <p>Cabbage aphid (<i>Brevicoryne brassicae</i>)</p> <p>Currant lettuce aphid (<i>Nasonovia ribis-nigri</i>)</p> <p>Cotton aphid / Melon aphid (<i>Aphis gossypii</i>)</p> <p>Rose aphid (<i>Macrosiphum rosae</i>)</p>	100mL/ha	-	<p>Versys Insecticide disrupts insect behaviour and feeding and will provide slow knockdown. Monitor crops and commence applications as local threshold levels are reached.</p> <p>Versys Insecticide will provide residual control of aphids out to 21 days. Continue to monitor crops and make subsequent applications after 14 days where necessary.</p> <p>Apply a maximum of 2 sprays before rotating to an alternative insecticide for aphid control.</p> <p>Do not apply more than 4 applications per crop.</p> <p>Apply in sufficient water to ensure thorough coverage of the target crop. Addition of an adjuvant may aid in speed of knockdown and the overall control. For suitable adjuvants refer to the Adjuvant section in Compatibility.</p>
	Greenhouse whitefly (<i>Trialeurodes Spp.</i>)	35-50ml/100L	-	<p>Apply in sufficient water to ensure thorough coverage of the target crop. Addition of an adjuvant may aid in speed of knockdown and the overall control. For suitable adjuvants refer to the Adjuvant section in Compatibility.</p>

CROP	PEST	RATE	WHP	CRITICAL COMMENTS
	<p>Silverleaf whitefly (<i>Bemisia tabaci</i> Biotype B)</p> <p>Citrus mealybug (<i>Planococcus</i> <i>spp.</i>)</p> <p>Long-tailed mealybug (<i>Pseudococcus</i> <i>spp.</i>)</p>			
Barley, Wheat	<p>Russian wheat aphid (<i>Diuraphis</i> <i>noxia</i>)</p> <p>Oat aphid (<i>Rhopalosiphum</i> <i>padi</i>)</p> <p>Corn aphid (<i>Rhopalosiphum</i> <i>maydis</i>)</p> <p>Aphids (<i>Aphis spp</i>)</p>	50 mL/ha + 0.2% Hasten or other MSO or 0.1% Agral	-	<p>Begin application when threshold levels are reached.</p> <p>Versys Insecticide will provide good residual control of aphids. Continue to monitor crops and make subsequent applications after 14 days where necessary.</p> <p>Apply a maximum of 2 sprays before rotating to an alternative insecticide for aphid control.</p> <p>Apply in sufficient water to ensure thorough coverage of the target crop (see general instructions below).</p> <p>Some species of aphids tend to infest cereal plants at the base of the plant, often inside the leaf sheath and below the soil surface. These entrenched aphids at the base of the plant may not be adequately controlled by Versys Insecticide.</p> <p>For control of Russian Wheat Aphid, begin applications when action thresholds are reached. Monitor crops and make further</p>

CROP	PEST	RATE	WHP	CRITICAL COMMENTS
				<p>insecticide applications as necessary.</p> <p>Entrenched aphids make not be controlled. For best results; use Versys Insecticide early in the aphid infestation, early in crops development.</p> <p>Use as part of an IPM program where beneficials are preserved.</p> <p>Do not apply after BBCH 71 (watery ripe).</p>
Canola	<p>Green peach aphid (<i>Myzus persicae</i>),</p> <p>Cabbage aphid (<i>Brevicoryne brassicae</i>),</p> <p>Aphids (<i>Aphis spp</i>)</p>	50 mL/ha + 0.2% Hasten or other MSO	-	<p>Versys Insecticide will provide good residual control of aphids. Continue to monitor crops and make subsequent applications after 14 days where necessary.</p> <p>Apply a maximum of 2 sprays before rotating to an alternative insecticide for aphid control.</p> <p>DO NOT apply after the end of flowering (BBCH 69)</p> <p>Apply in sufficient water to ensure thorough coverage of the target crop (see general instructions below).</p> <p>Some species of aphids form dense colonies (clusters) around growing tips and flowering spikes. In situations where dense clusters occur it may be difficult to gain coverage of all individuals which may result in lower levels of control. Careful monitoring for aphids at budding and early flowering will often reveal aphids amongst the buds and flowering heads of canola</p>

CROP	PEST	RATE	WHP	CRITICAL COMMENTS
				prior to clustering. For best results, apply Versys at this earlier infestation timing prior to heavy infestations and clusters as part of an IPM program.

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