CONTENTS

READ SAFETY DIRECTIONS BEFORE OPENING OR USING

Vayego® 200 SC

INSECTICIDE

ACTIVE CONSTITUENT: 200 g/L TETRANILIPROLE

GROUP	28	INSECTICIDE

For the control of various pests of almonds, macadamias, pome fruit and stone fruit as specified in the DIRECTIONS FOR USE table

DIRECTIONS FOR USE

RESTRAINTS

DO NOT apply by aircraft.
DO NOT apply if heavy rains or storms are forecast within 3 days.
DO NOT irrigate to the point of runoff for at least 3 days after application.
DO NOT apply where the slope exceeds 4%.

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 3 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.

Vertical sprayers

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 (see ‘Mandatory buffer zones’ section of the following table titled ‘Buffer zones for vertical sprayers’) are observed.

Buffer zones for vertical sprayers

Type of target canopy and dilute water rate	Mandatory downwind buffer zones				
	Bystander areas	Natural aquatic areas	Pollinator areas	Vegetation areas	Livestock areas
2 metres tall and shorter, maximum dilute water rate of 1000 L/ha (maximum application rate of 300 mL/ha)	Not required	5 m	Not required	Not required	Not required
taller than 2 metres (not fully-foliated), maximum dilute water rate of 2400 L/ha (maximum application rate of 300 mL/ha)	Not required	25 m	Not required	Not required	10 m
taller than 2 metres (fully-foliated), maximum dilute water rate of 2400 L/ha (maximum application rate of 300 mL/ha)	Not required	15 m	Not required	Not required	5 m

DIRECTIONS FOR USE TABLE

CROP	PEST	RATE	WHP	CRITICAL COMMENTS
Almonds	Carpophilus beetles (incl. *Carpophilus near dimidiatus)*	12.5 mL/ 100 L	H 10 days	Monitor orchards during hull split for the presence of carpophilus beetles. If numbers have the potential to cause economic loss, apply at mid hull split before the shells of soft-shelled varieties dry, exposing the kernel. Apply a maximum of two applications per crop with the second application 14 - 21 days later if there is a continual influx of carpophilus beetles from surrounding areas. Kernel damage can still occur if carpophilus beetles enter the orchard just prior to harvest, when the shell is open, and feed directly on the kernel. Ensure thorough coverage of the target crop as thorough coverage of all hulls is essential – refer 'Application' section in GENERAL INSTRUCTIONS. Concentrate spraying for this pest is not appropriate. A non-ionic wetter e.g. Agral® 600 should be added at 10 mL/100 L of spray solution. Do not apply more than 300 mL of Vayego per hectare in a single application. Vayego should form part of an integrated program to manage carpophilus beetle populations with a focus on orchard hygiene.

CROP	PEST	RATE	WHP	CRITICAL COMMENTS
Macadamias	Sigastus weevil (macadamia seed weevil, *Kuschelorhynchus macadamiae)*	12.5 mL/ 100 L	H 10 days	Monitor the weevil population and commence applications when weevils are active and after petal fall. Apply a maximum of three applications, with a 14 - 28 day interval between applications as required until shell hardening. Apply as a dilute application ensuring thorough and uniform spray coverage of foliage and branches – refer 'Application' section in GENERAL INSTRUCTIONS. Do not apply more than 300 mL of Vayego per hectare in a single application. The addition of a non-ionic wetter e.g. Agral 600 added at 10 mL/100 L of spray solution, may improve control. Vayego 200 SC should be used as part of an integrated pest management approach which should include the use of other measures for control of sigastus weevil.
Pome fruit	Codling moth (*Carpocapsa pomonella* syn (*Cydia pomonella*), light brown apple moth (*Epiphyas postvittana* syn *Tortrix postvittana*)	10 mL/ 100 L	H 7 days	Apply a maximum of three applications, with 14 - 21 day intervals between each application. Commence no earlier than post petal fall (or 110 degree days for codling moth or 140 degree days for light brown apple moth as detected in pheromone traps but after petal fall) until late December. Ensure thorough coverage of the target crop – refer 'Application' section in GENERAL INSTRUCTIONS. Do not apply more than 300 mL of Vayego per hectare in a single application. Further treatments should be made with alternate mode-of-action insecticides.
Pome fruit, stone fruit	Weevils e.g. apple weevil *(Otiorhynchus cribricollis)*, Fuller's rose weevil (*Asynonychus cervinus*), garden weevil *(Phlyctinus callosus)*	10 mL/ 100 L	Pome fruit H 7 days Stone fruit H 3 days	Monitor the orchards in early spring and commence applications no earlier than post petal fall when weevils begin to emerge. Apply a second application 14 days later if required. Ensure thorough coverage of the target crop – refer 'Application' section in GENERAL INSTRUCTIONS. Do not apply more than 300 mL of Vayego per hectare in a single application.

CROP	PEST	RATE	WHP	CRITICAL COMMENTS
Stone fruit	Oriental fruit moth *(Laspeyresia molesta* syn *Grapholita molesta)*	10 mL/ 100 L	H 3 days	Commence applications post petal fall, when predictive models from local monitoring agencies indicate egg hatch of a generational peak. Apply a maximum of three applications, with 14 - 21 day intervals between applications. Ensure thorough coverage of the target crop – refer 'Application' section in GENERAL INSTRUCTIONS. Do not apply more than 300 mL of Vayego per hectare in a single application.
	Dried fruit beetles (*Carpophilus* spp.) – suppression			Monitor stone fruit orchards for beetles as fruit approaches maturity and become susceptible to attack. Commence application before beetle populations reach damaging levels and re-apply treatments if necessary at an interval of 10 - 14 days. Ensure thorough coverage of the target crop – refer 'Application' section in GENERAL INSTRUCTIONS. Do not apply more than 300 mL of Vayego per hectare in a single application.
	Mediterranean fruit fly (*Ceratitis capitata*)	12.5 mL/ 100 L		Commence applications when monitoring indicates fruit fly activity and fruit are vulnerable to damage (e.g. fruit ripening). Apply a maximum of three sprays, with 10 day intervals between applications. Ensure thorough coverage of the target crop – refer 'Application' section in GENERAL INSTRUCTIONS. Do not apply more than 300 mL of Vayego per hectare in a single application. Vayego applications should form part of an integrated fruit fly management program including baiting, trapping and a focus on orchard hygiene.

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

WITHHOLDING PERIODS
Harvest (H)
Stone fruit: DO NOT HARVEST FOR 3 DAYS AFTER APPLICATION
Pome fruit: DO NOT HARVEST FOR 7 DAYS AFTER APPLICATION
Almonds and macadamias: DO NOT HARVEST FOR 10 DAYS AFTER APPLICATION
Grazing (G)
DO NOT GRAZE TREATED ORCHARD

EXPORT OF TREATED PRODUCE
Growers should note that MRLs or import tolerances may not exist in all markets for edible produce treated with Vayego 200 SC Insecticide. If you are growing edible produce for export, please check with Bayer CropScience Pty Ltd for the latest information on MRLs and import tolerances before using Vayego 200 SC.

GENERAL INSTRUCTIONS

Mixing

Shake the container well before using. Partially fill the spray tank with clean water and add the required volume of product to the water whilst agitating. Where recommended, add non-ionic surfactant, then top up the tank with clean water to the required volume. Vayego 200 SC should be agitated constantly before and during application and applied as soon as possible after mixing.

Application

Dilute spraying – all crops

- Use a sprayer designed to apply high volumes of water up to the point of run-off and matched to the crop being sprayed.
- Set up and operate the sprayer to achieve even coverage throughout the crop canopy. Apply sufficient water to cover the crop to the point of run-off. Avoid excessive run-off.
- The required water volume may be determined by applying different test volumes, using different settings on the sprayer, from industry guidelines or expert advice.
- Add the amount of product specified in the Directions for Use table for each 100 L of water up to a maximum of 300 mL Vayego per hectare in a single application. Spray to the point of run-off.
- The required dilute spray volume will change and the sprayer set up and operation may also need to be changed, as the crop grows.

Concentrate spraying – macadamias, pome fruit, stone fruit

- 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 750 L/ha
3. The concentration factor in this example is 2 X (i.e. 1500 L ÷ 750 L = 2)
4. If the dilute label rate is 10 mL/100 L, then the concentrate rate becomes 2 x 10, which is 20 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.
- Do not use at a concentration factor greater than 2X (e.g. at a rate higher than 25 mL/ 100 L where a dilute spraying rate of 12.5 mL/ 100 L is specified).
- Note that the concentration mixing rate is applicable only to Vayego. The adjuvant remains unchanged (i.e. no concentration factor applies).
- For further information on concentrate spraying, users are advised to consult relevant industry guidelines, undertake appropriate competency training and follow industry best practice.

COMPATIBILITY

For the latest compatibility recommendations contact the Bayer Crop Science Technical Information Line 1800 804 479 or your local Bayer Crop Science representative.

INSECTICIDE RESISTANCE WARNING

GROUP	28	INSECTICIDE

For insecticide resistance management Vayego 200 SC Insecticide is a Group 28 insecticide.
Some naturally occurring insect biotypes resistant to Vayego 200 SC and other Group 28 insecticides may exist through normal genetic variability in any insect population. The resistant individuals can eventually dominate the insect population if Vayego 200 SC or other Group 28 insecticides are used repeatedly. The effectiveness of Vayego 200 SC on resistant individuals could be significantly reduced. Since occurrence of resistant individuals is difficult to detect prior to use, Bayer CropScience Pty Ltd accepts no liability for any losses that may result from the failure of Vayego 200 SC to control resistant insects.

Resistance management strategy
Vayego 200 SC may be subject to specific resistance management strategies. For further information contact your local supplier, Bayer Crop Science representative, local agricultural department agronomist or visit www.croplife.org.au.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT
Very toxic to aquatic life. DO NOT contaminate wetlands or watercourses with the product or used containers.

PROTECTION OF HONEY BEES AND OTHER INSECT POLLINATORS
Highly toxic to bees. Tetraniliprole has a systemic action. DO NOT apply to crops pre-bloom or from the onset of flowering until flowering is complete. DO NOT allow spray drift to flowering weeds or flowering crops in the vicinity of the treatment area. Before spraying, notify beekeepers to move hives to a safe location with an untreated source of nectar and pollen, if there is potential for managed hives to be affected by the spray or spray drift. Risk to bees is reduced by spraying in early morning or late evening while bees are not foraging.

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 container 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 for appropriate disposal 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. Do not re-use empty container for any other purpose.

SAFETY DIRECTIONS
Keep out of reach of children. When opening the container, mixing and loading and using the prepared spray, wear cotton overalls (or equivalent clothing) buttoned to the neck and wrists and elbow-length chemical resistant gloves. Wash hands after use. After each day's use, wash gloves and contaminated clothing.

FIRST AID
First aid is not generally required. If in doubt, contact a Poisons Information Centre (phone Australia 13 11 26) or a doctor.

SAFETY DATA SHEET
Additional information is listed in the Safety Data Sheet, which can be obtained from www.crop.bayer.com.au.

EXCLUSION OF LIABILITY
This product must be used strictly as directed, and in accordance with all instructions appearing on the label and in other reference material. So far as it is lawfully able to do so, Bayer CropScience Pty Ltd accepts no liability or responsibility for loss or damage arising from failure to follow such directions and instructions.

APVMA Approval No.: 86756/116512

FOR 24 HOUR SPECIALIST ADVICE IN EMERGENCY ONLY
PHONE 1800 033 111

GHS STATEMENTS

Classification not required according to GHS criteria.