

# DANGEROUS POISON

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

**Farmoz**

# Gusathion<sup>®</sup> 200 SC

## INSECTICIDE

**ACTIVE CONSTITUENT: 200 g/L AZINPHOS-METHYL**  
(an anti-cholinesterase compound)

**GROUP 1B INSECTICIDE**

***For control of Codling moth, Lightbrown Apple Moth, Oriental Fruit Moth and other pests in fruit and macadamias as specified in the Directions for Use Table.***



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**DIRECTIONS FOR USE**

**RESTRAINTS:** DO NOT apply aerially.  
DO NOT apply under meteorological conditions or from spray equipment that could be expected to cause spray drift onto natural streams, rivers or waterways.  
DO NOT apply if heavy rain or storms are forecast with greater than 50% probability within 48 hours of application.  
DO NOT apply at a spray interval closer than 28 days.

**TREE and VINE CROPS**

| <b>RATE</b>            |   |                                 |                   |   | <b>WHP (days)</b>  | <b>CRITICAL COMMENTS</b>   |
|------------------------|---|---------------------------------|-------------------|---|--|--|
| <b>CROP</b>            | <b>PEST</b>   | <b>STATE</b>                    | <b>RATE/100 L</b> | <b>In the following table, all rates are given for dilute spraying. For concentrate spraying and for further details on dilute spraying, refer to the Special Instructions for Tree and Vine Crops section.</b> |  |  |
| Apples, Pears, Quinces | Apple Leaf Hopper, Bryobia Mite, Codling Moth, Lightbrown Apple Moth, Pear and Cherry Slug, Spring Beetle, Woolly Aphid | NSW, ACT, Vic, Tas, SA, WA only | 190-245 mL        | 14 days   | Apply as a full cover spray at intervals of 28 days commencing with the emergence of the first codling moths in late October/early November or at intervals dictated by moth activity as indicated from pheromone traps or lure pots.<br><b>In NSW only:</b> Use only the higher rate for control of Codling Moth. |  |
|                        | Bryobia Mite, Codling Moth, Lightbrown Apple Moth   | Qld only                        | 245 mL            |   |  | Apply as a full cover spray at intervals of 28 days commencing with emergence of the first Codling Moths in late October/early November.   |
|                        | Oystershell Scale, San Jose Scale   | NSW, ACT, Vic, SA, WA only      | 245 mL            |   |  | Apply late November to early March. 1-3 applications may be necessary depending on severity of infestation. Add summer oil at rate of 1.2 L/100 L of spray mix regardless of whether spraying by dilute or concentrate methods.  |
|                        | Root Borer  | Vic, WA only                    | 245 mL            |   |  | Apply as a soil drench or overall spray.<br><b>Note:</b> concentrate spraying is not appropriate for this use.   |
|                        | Curculio Beetle, Fuller's Rose Weevil   | WA only                         | 245-490 mL        |   |  | Apply lower rate as a high volume spray to foliage, butt and soil when weevils are first seen in October/November. Apply a second spray 28 days later. Alternatively, use higher rate as a butt and soil spray only.<br><b>Note:</b> concentrate spraying is not appropriate for this use. |

**TREE and VINE CROPS – continued**

| CROP                                | PEST  | STATE   | RATE/<br>100 L | WHP<br>(days) | CRITICAL COMMENTS   |
|-------------------------------------|---|---|----------------|---------------|---|
| Peaches,<br>Nectarines,<br>Apricots | Bryobia Mite,<br>Lightbrown Apple Moth,<br>Oriental Fruit Moth,<br>Pear and Cherry Slug | Qld, NSW,<br>ACT, Vic,<br>Tas, SA,<br>WA only | 245 mL         | 14 days       | Apply as a full cover spray at intervals of 28 days during the period of likely infestation or as recommended by Department of Agriculture. Regular sprays of GUSATHION 200 SC will help control <i>Carpophilus</i> Beetle and Fruit Fly.   |
|                                     | San Jose Scale  | NSW, ACT,<br>Vic, SA,<br>WA only              |                |               | Apply at early budswell. Add dormant oil at rate of 2 L/100 L of spray mix regardless of whether spraying by dilute or concentrate methods.   |
|                                     | Root Borer  | Vic, WA<br>only                               | 245-490 mL     | 14 days       | Apply as a soil drench or overall spray.<br><b>Note:</b> concentrate spraying is not appropriate for this use.  |
|                                     | Curculio Beetle,<br>Fuller's Rose Weevil  | WA only                                       |                |               | Apply lower rate as a high volume spray to foliage, butt and soil when weevils are first seen in October/November. Apply a second spray 28 days later. Alternatively, use higher rate as a butt and soil spray only.<br><b>Note:</b> concentrate spraying is not appropriate for this use.                              |
| Cherries                            | Bryobia Mite,<br>Lightbrown Apple Moth,<br>Oriental Fruit Moth                          | NSW, ACT,<br>Vic, SA,<br>WA only              | 245 mL         | 14 days       | Apply as a full cover spray at intervals of 28 days during the period of likely infestation or as recommended by Department of Agriculture. Regular sprays of GUSATHION 200 SC will help control <i>Carpophilus</i> Beetle and Fruit Fly.   |
|                                     | Pear and Cherry Slug  | Qld, NSW,<br>ACT, Vic,<br>Tas, SA,<br>WA only |                |               | Apply as a full cover spray when slugs appear in late November/early December. Reinfestation may occur so a repeat spray may be necessary.  |
| Plums                               | Bryobia Mite  | Qld, WA<br>only                               | 245 mL         | 14 days       | Apply a full cover spray mid November.  |
|                                     | Lightbrown Apple Moth   |   |                |               | Apply late October.   |
| Grapes                              | Grapevine Scale   | Qld, NSW,<br>ACT, Tas,<br>WA only             | 245 mL         | 14 days       | Spot spraying of infested vines is usually enough. Add dormant oil at rate of 1 L/100 L of spray mix regardless of whether spraying by dilute or concentrate methods.   |
|                                     | Grapevine Hawk Moth,<br>Grapevine Moth  |   |                |               | Apply as required.  |
|                                     | Lightbrown Apple Moth   |   |                |               | Apply 28 days after flowering and later as required.  |
|                                     | Elephant Weevil,<br>Fig Longicorn   | NSW, ACT,<br>WA only                          |                |               | Apply insecticide thoroughly to trunk and arms ensuring that all bark areas are drenched. Add wetting agent to ensure thorough wetting of the bark. Apply to foliage to assist in the control of adults. Apply monthly between November to April.<br><b>Note:</b> concentrate spraying is not appropriate for this use. |
| Litchis                             | Fruitspotting Bug,<br>Macadamia Nutborer  | Qld, NSW,<br>ACT, WA<br>only                  | 190 mL         | 1 day         | Spray to thoroughly cover nuts or fruit when pest numbers indicate or on a 28 day schedule during the period when pests are normally active.  |
| Macadamias                          |   | Qld, NSW,<br>ACT, WA<br>only                  |                |               |   |
| Blueberries                         | Lightbrown Apple Moth   | Tas, WA<br>only                               | 245 mL         | 7 days        | Apply at 28 day intervals after flowering.  |

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

**THIS PRODUCT IS TOO HAZARDOUS FOR USE IN THE HOME GARDEN**

**WITHHOLDING PERIODS (WHP):**

**CHERRIES, GRAPES, PLUMS, POME FRUITS, STONE FRUITS:**

**DO NOT HARVEST FOR 14 DAYS AFTER APPLICATION.**

**BLUEBERRIES: DO NOT APPLY LATER THAN 7 DAYS BEFORE HARVEST.**

**LITCHIS: DO NOT HARVEST FOR 1 DAY AFTER APPLICATION.**

**MACADAMIAS: DO NOT HARVEST FOR 7 DAYS AFTER APPLICATION.**

## GENERAL INSTRUCTIONS

### INSECTICIDE RESISTANCE WARNING

For insecticide resistance management, FARMOZ GUSATHION® 200 SC Insecticide is a Group 1B insecticide. Some naturally occurring insect biotypes resistant to GUSATHION 200 SC and other Group 1B insecticides may exist through normal genetic variability in any insect population. The resistant individuals can eventually dominate the insect population if GUSATHION 200 SC and other Group 1B insecticides are used repeatedly. The effectiveness of GUSATHION 200 SC on resistant individuals could be significantly reduced.

Since occurrence of resistant individuals is difficult to detect prior to use, FARMOZ Pty. Ltd. accepts no liability for any losses that may result from the failure of Gusathion to control resistant insects.

GUSATHION 200 EC may be subject to specific resistance management strategies. For further information contact your local supplier, FARMOZ representative or local agricultural department agronomist.

### EXPORT OF TREATED PRODUCE

Growers should note that MRLs or import tolerances do not exist in all markets for edible produce treated with GUSATHION 200 SC. If you are growing edible produce for export, please check with FARMOZ Pty. Ltd. for the latest information on MRLs and import tolerances before using GUSATHION 200 SC.

### MIXING

Prior to pouring, shake container thoroughly, then add the required quantity of GUSATHION 200 SC to the required amount of water and stir. Rinse container with water and pour into spray tank. Keep agitators in motion.

### APPLICATION

For dilute (high volume) spraying add a suitable wetting agent.

### SPECIAL INSTRUCTIONS FOR TREE AND VINE CROPS

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

**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 run-off) and matched to the crop being sprayed. Set up and operate the sprayer to achieve even coverage throughout the crop canopy using your chosen water volume. 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 X (i.e.  $1500 \text{ L} \div 500 \text{ L} = 3$ )
4. If the dilute label rate is 245 mL/100 L, then the concentrate rate becomes  $3 \times 245$ , that is 735 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 a concentrate rate higher than that specified in the CRITICAL COMMENTS.

For further information on concentrate spraying, users are advised to consult relevant industry guidelines, undertake appropriate competency training and follow industry Best Practices.

### COMPATIBILITY

GUSATHION 200 SC is compatible as a tank mix with most commonly used insecticides and fungicides. The residual life of GUSATHION 200 SC may be reduced if mixed with Bordeaux mixture, sprays containing lime or if it is allowed to stand with lime sulphur. As formulations of other manufacturers' products are beyond the control of FARMOZ Pty. Ltd., all mixtures should be tested prior to mixing commercial quantities. As climatic conditions may affect the sensitivity of some plants to such mixtures, FARMOZ Pty. Ltd. cannot be responsible for the behaviour of such mixtures.

## PRECAUTIONS

### Re-entry:

**Blueberry, macadamia, litchis, pome (apples, pears, quinces) and stone-fruit (apricots, peaches, nectarines, plums, cherries):** 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.

**Grapes (except grape girdling and cane turning):** DO NOT allow entry into treated areas for 14 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.

**Grape girdling and cane turning:** DO NOT allow entry into treated areas for 44 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.

### PROTECTION OF LIVESTOCK

Azinphos-methyl is dangerous to bees and will kill bees foraging in the crop to be treated or in hives which are over-sprayed or reached by spray drift. Residues toxic to bees may remain for several days after application.

### PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

Dangerous to fish and other aquatic organisms.

DO NOT allow spray drift on to aquatic areas including natural streams, rivers or waterways.

DO NOT contaminate streams, rivers or waterways with the chemical or used containers.

For crops other than macadamias: DO NOT apply within 100 metres of downwind aquatic and wetland areas including aquacultural ponds or surface streams and rivers.

For macadamias: DO NOT apply within 200 meters of downwind aquatic and wetland areas including aquacultural ponds or surface streams and rivers.

DO NOT apply in orchards or vineyards when the wind speed is less than 3 or more than 20 kilometres per hour as measured 15 meters outside of the orchard/vineyard on the upwind side.

DO NOT direct the spray above trees or vines during airblast applications.

TURN OFF outward pointing nozzles at row ends and outer rows during airblast applications.

### STORAGE AND DISPOSAL

Store in the closed, original container in a dry, 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 a 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.

### SAFETY DIRECTIONS

FOR OPEN CAB: Product and spray are poisonous if absorbed by skin contact or inhaled or swallowed. Will irritate the eyes and skin. May irritate the nose and throat. Repeated exposure may cause allergic disorders. Repeated minor exposure may have a cumulative poisoning effect. Avoid contact with eyes and skin and clothing. DO NOT inhale vapour or spray mist. When using the prepared spray (open cab), wear cotton overalls buttoned to the neck and wrist (or equivalent clothing), protective waterproof clothing including a hood or waterproof hat, elbow-length PVC gloves, water resistant footwear and half facepiece respirator with combined dust and gas cartridge. If clothing becomes contaminated with product or wet with spray remove clothing immediately. If product on skin, immediately wash area with soap and water. If product in eyes, wash it out immediately with water. 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 respirator (and if rubber wash with detergent and warm water), face shield or goggles and contaminated clothing.

FOR CLOSED CAB FITTED WITH CHARCOAL FILTERS: Product and spray are poisonous if absorbed by skin contact or inhaled or swallowed. Will irritate the eyes and skin. May irritate the nose and throat. Repeated exposure may cause allergic disorders. Repeated minor exposure may have a cumulative poisoning effect. Avoid contact with eyes and skin and clothing. DO NOT inhale vapour or spray mist. When using the prepared spray (closed cab fitted with charcoal filters), wear cotton overalls buttoned to the neck and wrist (or equivalent clothing). If clothing becomes contaminated with product or wet with spray remove clothing immediately. If product on skin, immediately wash area with soap and water. If product in eyes, wash it out immediately with water. 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 respirator (and if rubber wash with detergent and warm water), face shield or goggles and contaminated clothing.

#### FIRST AID

If swallowed, splashed on skin or in eyes, or inhaled, contact a Poisons Information Centre (Phone Australia 131126; New Zealand 0800 764 766) or a doctor at once. Remove any contaminated clothing and wash skin thoroughly. If swallowed, activated charcoal may be advised. Give atropine if instructed.

#### MATERIAL SAFETY DATA SHEET

Additional information is listed in the material safety data sheet (MSDS). A material safety data sheet for GUSATHION 200 SC is available from FARMOZ on request. Call Customer Service on (02) 9431 7800.

**CONDITIONS OF SALE:** The use of FARMOZ GUSATHION 200 SC Insecticide being beyond the control of the manufacturer, no warranty expressed or implied is given by FARMOZ Pty. Ltd., regarding its suitability, fitness or efficiency for any purpose for which it is used by the buyer, whether in accordance with the directions or not and FARMOZ Pty. Ltd. accepts no responsibility for any consequence whatsoever resulting from the use of this product.

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UN No. 3018  
ORGANOPHOSPHORUS  
PESTICIDE, LIQUID, TOXIC



(CONTAINS AZINPHOS-METHYL)  
PACKAGING GROUP: II  
HAZCHEM CODE: 2X

PACK SIZE: 10 L