

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



## **BENTHION 200 FLOWABLE Insecticide**

Active Constituent: 200 g/L AZINPHOS-METHYL  
(an anticholinesterase compound)

<b>GROUP</b>	<b>1B</b>	<b>INSECTICIDE</b>
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For control of codling moth, lightbrown apple moth, oriental fruit moth and other pests as specified  
in the directions for use table

Contents: 10 Litres

Distributed by:  
Colin Campbell (Chemicals) Pty Ltd  
5 Blackfriar Place  
Wetherill Park, NSW  
Phone: (02) 9725 2544

### 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.

Crop	Pest	State	Rate/100 L	Critical Comments
Apples Pears Quinces	Codling moth, Lightbrown apple moth, Spring beetle, Apple leaf hopper, Bryobia mite, Pear and cherry slug, Woolly aphid	NSW, Vic, Tas, SA,WA only	190 - 245 mL	Apply as a full cover spray at intervals of at least 28 days commencing with the emergence of the first codling moths in late October/early November or at intervals no shorter than 28 days as dictated by moth activity as indicated from pheromone traps or lure pots. IN NSW ONLY: Use only the higher rate for control of codling moth.
	Codling moth, Lightbrown apple moth, Bryobia mite	Qld only	245 mL	Apply as a full cover spray at intervals of at least 28 days commencing with emergence of the first codling moths in late October/early November.
	San Jose scale, Oystershell scale	NSW, Vic, SA, WA only	245 mL plus summer oil 1.2 L/100 L	Apply late November to early March. 1-3 applications may be necessary depending on severity of infestation.
	Root borer	Vic, WA only	245 mL	Apply as a soil drench or overall spray.
	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 at least 28 days later. Alternatively, use higher rate as a butt and soil spray only.
Peaches Nectarines Apricots	Oriental fruit moth, Lightbrown apple moth, Bryobia mite, Pear and cherry slug	NSW, Vic Tas, SA, WA, Qld only	245 mL	Apply as a full cover spray at intervals of at least 28 days during the period of likely infestation or as recommended by Department of Agriculture. Regular sprays of Benthion 200 will help control <i>Carpophilus</i> beetle and fruit fly.
	San Jose scale	NSW, Vic, SA, WA only	245 mL plus dormant oil 2 L/100 L	Apply at early budswell.
	Root borer	Vic, WA only	245 mL	Apply as a soil drench or overall spray.
	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 at least 28 days later. Alternatively, use higher rate as a butt and soil spray only.
Blueberries	Lightbrown apple moth	Tas, WA only	245 mL	Apply at 28 day intervals after flowering.
Cherries	Oriental fruit moth, Lightbrown apple moth, Bryobia mite	NSW, Vic, SA WA only	245 mL	Apply as a full cover spray at intervals of at least 28 days during the period of likely infestation or as recommended by Department of Agriculture. Regular sprays of Benthion 200 will help control <i>Carpophilus</i> beetle and fruit fly.
	Pear and cherry slug	NSW, Vic, Tas, SA, WA, Qld 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.

Crop	Pest	State	Rate/100 L	Critical Comments
Plums	Bryobia mite	Qld, WA only	245 mL	Apply a full cover spray mid November.
	Lightbrown apple moth			Apply late October.
Grapes	Grapevine scale	Qld, NSW, Tas, WA only	245 mL plus dormant oil 1 L/100 L	Spot spraying of infested vines is usually enough.
	Grapevine hawk moth, Grapevine moth		245 mL	Apply as required.
	Lightbrown apple moth			Apply 3-4 weeks after flowering and later at intervals of at least 28 days as required.
	Fig longicorn, Elephant weevil	NSW, 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.
Litchis	Macadamia nutborer, Fruitspotting bug	Qld, NSW, WA only	190 mL	Spray to thoroughly cover nuts or fruit when pest numbers indicate or on a schedule of at least 28 days during the period when pests are normally active. Use the shorter interval during wet weather or severe infestations.
Macadamias				

**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 PERIOD:**

**POME FRUITS, STONE FRUITS, CHERRIES, PLUMS, GRAPES:  
DO NOT APPLY LATER THAN 14 DAYS BEFORE HARVEST**

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

**MACADAMIAS:**

**DO NOT HARVEST FOR 7 DAYS AFTER APPLICATION**

**LITCHIS:**

**DO NOT HARVEST FOR 1 DAY AFTER APPLICATION**

## General Instructions

### Insecticide Resistance Warning

<b>GROUP</b>	<b>1B</b>	<b>INSECTICIDE</b>
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For insecticide resistance management, Benthion 200 is a Group 1B insecticide. Some naturally occurring insect biotypes resistant to Benthion 200 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 Benthion 200 and other Group 1B insecticides are used repeatedly. The effectiveness of Benthion 200 on resistant individuals could be significantly reduced. Since occurrence of resistant individuals is difficult to detect prior to use, Colin Campbell (Chemicals) Pty Ltd accepts no liability for any losses that may result from the failure of Benthion 200 to control resistant insects. Benthion 200 may be subject to specific resistance management strategies. For further information contact your local supplier, Campbell representative or local agricultural department agronomist.

### Mixing

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

Semi-concentrate spray equipment: Apply Benthion 200 at up to 5 times high volume rate.

For high volume sprays add a suitable wetting agent.

### Compatibility

Benthion 200 is compatible with most commonly used insecticides and fungicides.

The residual life of Benthion 200 may be reduced if mixed with Bordeaux mixture, sprays containing lime or if it is allowed to stand with lime sulphur.

### Re-entry

**Blueberry, macadamia, lychees, 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 streams, rivers or waterways. DO NOT contaminate streams, rivers or waterways with the chemical or used container.

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 metres 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 metres outside the orchard/vineyard on the upwind side.

DO NOT direct the spray above trees or vines during airblast operations. TURN OFF outward pointing nozzles at row ends and outer rows during airblast applications.

### Storage and Disposal

Triple or preferably pressure 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 bury empty containers in a local authority landfill. If no landfill is available, bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.

### 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 allergenic 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 allergenic 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 doctor or Poisons Information Centre (Phone eg 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

For further information refer to Material Safety Data Sheet, obtainable from [www.campbellchemicals.com.au](http://www.campbellchemicals.com.au)

#### CONDITIONS OF SALE

Agricultural, horticultural and pastoral preparations in their application involve varying factors such as differing conditions, soil, climate and methods of application over which the vendor does not have control, Whilst Colin Campbell (Chemicals) Pty. Ltd believes that all goods sold by it are true to label and are effective and safe for purpose indicated the company and the seller hereby expressly negate and exclude any express or implied condition, statement or warranty, statutory or otherwise, as to quality or fitness of any goods sold for any purpose or purposes whatsoever except such warranties and conditions, if any, as are implied by the Trade Practices Act 1974 (Commonwealth). The company and the seller accept no responsibility for any loss, harm or damage whatsoever suffered from the use of such goods for any purpose or purposes irrespective of whether or not the buyer was acting in reliance upon the advice recommendation or representation of the seller or any representative agent of employee of the company as to such use except in respect of breaches of conditions and warranties, if any, implied by the Trade Practices Act and in respect of such breaches the liability of the company and the seller shall be limited to the replacement of the goods or the supply of equivalent goods, or the payment of the cost of replacing the goods.

APVMA Approval No.: 53215/0511

Batch No.:

Date of Manufacture:

ORGANOPHOSPHORUS PESTICIDE, LIQUID, TOXIC, (azinphos-methyl)		(TOXIC 6 DIAMOND)
UN No. 3018	PG II	
IN A TRANSPORT EMERGENCY DIAL 000, POLICE or FIRE BRIGADE		