

DANGEROUS POISON

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

Monitor[®]

INSECTICIDE

Active Constituent:
580 g/L METHAMIDOPHOS (an anticholinesterase compound)

GROUP 1B INSECTICIDE

For the control of various pests of certain Vegetables, Ornamentals, Peaches and Peanuts as per the DIRECTIONS FOR USE Table.

STORAGE AND DISPOSAL: Store in the closed, original container in a cool, well-ventilated area. Do not store for prolonged periods in direct sunlight. Store in a locked room or place away from children, animals, food, feedstuffs, seed and fertilisers. 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: Very dangerous, particularly the concentrate. Product and spray are poisonous if absorbed by skin contact or inhaled or swallowed. Avoid contact with eyes and skin and clothing. Do NOT inhale spray mist. Repeated minor exposure may have a cumulative poisoning effect. Obtain an emergency supply of atropine tablets 0.6 mg. When opening the container, preparing spray and using the prepared spray, wear protective waterproof clothing, elbow-length PVC gloves, impervious footwear and full facepiece respirator with combined dust and gas cartridge. If clothing becomes contaminated with product or wet with spray, remove clothing immediately. If product or spray on skin, immediately wash area with soap and 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, respirator (if rubber wash with detergent and warm water) and contaminated clothing. Monitor must not be used in glasshouses or other confined spaces.

FIRST AID: If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 13 11 26. If swallowed, give one atropine tablet every 5 minutes until dryness of the mouth occurs – if poisoned by skin absorption or through lungs, remove any contaminated clothing, wash skin thoroughly and give atropine tablets as above. Get to a doctor or hospital quickly.

MATERIAL SAFETY DATA SHEET: Additional information is listed in the Material Safety Data Sheet available from Arysta LifeScience Corporation.

EXCLUSION OF LIABILITY: This product as supplied is of a high grade and suitable for the purpose for which it is expressly intended and must be used in accordance with the directions. The user must monitor the performance of any product as climatic, geographical or biological variables and / or developed resistance may affect the results obtained. No responsibility is accepted in respect of this product, save for those non-excludable conditions implied by the Trade Practices Act or any State or Federal legislation.

IMPORTANT: READ THIS BOOKLET BEFORE USE.

ORGANOPHOSPHORUS PESTICIDE, LIQUID, TOXIC (contains methamidophos)		
UN 3018	PG II	HAZCHEM 2X
IN A TRANSPORT EMERGENCY DIAL 000 POLICE OR FIRE BRIGADE		FOR 24 HOUR SPECIALIST ADVICE IN EMERGENCY ONLY PHONE 1800 033 111



Arysta LifeScience

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APVMA Approval No: 47765/10/0805 9



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Corporation



DIRECTIONS FOR USE

Restraint DO NOT mix with alkaline or dirty water.

CROP	PEST	STATE	RATE		WHP	CRITICAL COMMENTS
			For further information refer to Application Section in the GENERAL INSTRUCTIONS			
			PER 100 L WATER	PER HECTARE		
Brassicas – field grown	Cabbage moth, cabbage white butterfly, heliothis (<i>Helicoverpa</i> spp.), cabbage-centre grub, cluster caterpillar	All States	100 mL or 190 mL	1.1 L or 2.1 L	7 days	Apply when pests are first seen and repeat at 10 day intervals or as required. Use the higher rate under conditions of heavy infestation. Add a non-ionic wetting agent at the recommended rate.
	Aphids	Qld, WA, NT only				
Capsicums – field grown	Green peach aphid	All States	50 mL	550 mL	14 days	Spray when aphids are seen and repeat as necessary. Use sufficient water to ensure thorough coverage.
	Budworm (<i>Helicoverpa</i> spp.)	Qld, WA, NT only	190 mL	2.1 L		Spray at first sign of pest and repeat as necessary.
	Potato moth (tobacco leaf miner)		65 mL	700 mL		
Gladioli – field grown	Thrips	Qld, WA only	190 mL	—	—	Apply as a cover spray at first sign of pests and repeat as necessary. Note: Flower crops should not be harvested/cut for 7 days after application.
Lupins	Green peach aphid, Bluegreen aphid, Cowpea aphid	All States	—	550 mL	6 weeks (Harvest & Grazing)	Aphids build up in late winter to early spring. Spray when aphids are delaying flower emergence, causing abortion of flowers or wilting and severe distortion of leaves. Apply by aircraft or ground equipment. DO NOT apply more than 1 application to lupins per season.
Ornamentals – field grown	Western flower thrips (<i>Frankliniella occidentalis</i>)	Vic, NSW, WA only	200 mL	—	—	Apply three (3) sprays at up to five day intervals. Phytotoxicity may be a problem with some varieties and species of ornamentals. Initially treat a small number of plants to ascertain crop safety. Note: Flower crops should not be harvested / cut for 7 days after application.
Peaches	Green peach aphid	All States	Dilute spraying: 50mL/100L Concentrate spraying Refer to Application section in GENERAL INSTRUCTIONS		21 days	Apply as a cover spray at the first sign of aphid infestation. Do NOT apply to early varieties such as Watts. Apply by dilute or concentrate spraying equipment. Apply the same total amount of product to the target crop whether applying this product by dilute or concentrate spraying methods.

DIRECTIONS FOR USE (Continued)

Restraint DO NOT mix with alkaline or dirty water.

CROP	PEST	STATE	RATE		WHP	CRITICAL COMMENTS
			For further information refer to Application Section in the GENERAL INSTRUCTIONS			
			PER 100 L WATER	PER HECTARE		
Peanuts	Whitefringed weevil	Qld, WA only	—	250 mL	12 weeks (Harvest & Grazing)	Apply as a band spray when adults are observed in or near the crop after early summer rain. Repeat spray two to three weeks later. Crop edges may require an additional spray if weevils begin to move into the crop from adjacent area. Do NOT apply more than 4 sprays to any one crop.
Potatoes	Potato moth (tobacco leaf miner)	All States	65 mL	700 mL	7 days	Spray at first sign of moth activity. Repeat at 14 day intervals or as needed. Use sufficient water to ensure thorough coverage.
	Green peach aphid		50 mL	550 mL		Spray when aphids are seen and repeat as necessary. Use sufficient water to ensure thorough coverage.
Tomatoes – field grown	Tomato grub (heliothis)	All States	190 mL	2.1 L	4 days	Spray at first sign of pest activity and repeat as necessary.
	Potato moth (tobacco leaf miner)		65 mL	700 mL		Spray at first sign of activity and repeat at 14 day intervals or as needed.
	Green peach aphid		50 mL	550 mL		Spray when aphids are seen and repeat as necessary.
	Common brown jassid (big bud vector)		Vic, WA only	95 mL		1.0 L

NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION. IN TASMANIA, THIS PRODUCT MUST NOT BE APPLIED BY AIRCRAFT WITHOUT THE SPECIFIC APPROVAL OF THE REGISTRAR OF PESTICIDES. THIS PRODUCT IS TOO HAZARDOUS TO BE RECOMMENDED FOR USE IN THE HOME GARDEN.

WITHHOLDING PERIODS (WHP)
Tomatoes – DO NOT HARVEST FOR 4 DAYS AFTER APPLICATION.
Brassicas, potatoes – DO NOT HARVEST FOR 7 DAYS AFTER APPLICATION.
Capsicums – DO NOT HARVEST FOR 14 DAYS AFTER APPLICATION.
Lupins – DO NOT HARVEST FOR 6 WEEKS AFTER APPLICATION.
Lupins – DO NOT GRAZE OR CUT FOR STOCKFEED FOR 6 WEEKS AFTER APPLICATION.
Peaches – DO NOT HARVEST FOR 21 DAYS AFTER APPLICATION.
Peanuts – DO NOT HARVEST FOR 12 WEEKS AFTER APPLICATION.
Peanuts (fodder) – DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 12 WEEKS AFTER APPLICATION.

GENERAL INSTRUCTIONS

GROUP **1B** INSECTICIDE

Insecticide Resistance Warning

For insecticide resistance management, Monitor Insecticide is a Group **1B** insecticide. Some naturally occurring insect biotypes resistant to Monitor 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 Monitor or other Group **1B** insecticides are used repeatedly. The effectiveness of Monitor on resistant individuals could be significantly reduced. Since occurrence of resistant individuals is difficult to detect prior to use, Arysta LifeScience Corporation accepts no liability for any losses that may result from the failure of Monitor to control resistant insects. The user should seek advice, and monitor the performance, and if the results are not in accordance with expectations, contact the manufacturer immediately. Apparent resistance however, should not be confused with poor application, coverage or timing techniques. Monitor may be subject to specific resistance management strategies. For further information contact your local supplier, Arysta LifeScience Corporation 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 Monitor. If you are growing edible produce for export, please check with Arysta LifeScience Corporation for the latest information on MRLs and import tolerances BEFORE using Monitor.

Mixing

Add the required amount of this product to water in the spray vat with agitators running. Maintain agitation while spraying.

Application

Good pest control requires even, thorough coverage of the target area. Application should be made using appropriate spray equipment and sufficient water to provide adequate penetration and coverage. Equipment settings and water volume may need to vary, depending on the growth stage of the crop.

Vegetables (Brassicas, Capsicums, Potatoes and Tomatoes)

Where spray volume equals or exceeds 1100 L/ha use **Rate per 100 L water, as specified in the Direction for Use table**. Where spray volume is less than 1100 L/ha use the appropriate **Rate per Hectare, as specified in the Direction for Use table**.

Special Instructions for Peaches

Dilute spraying

- Use a sprayer designed to apply high spray volumes, 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 spray volume to cover the crop to the point of run-off. Avoid excessive run-off.
- The required spray volume to achieve point of run-off may be determined by applying different test volumes, using different settings on the sprayer, or from industry guidelines or other expert advice.
- Add the amount of product specified in the Directions for Use table for each 100L water. Spray to the point of run-off.
- The required dilute spray volume to achieve point of run-off will change and the sprayer set 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 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 500 L/ha
 3. The concentration factor in this example is: 3 X (i.e. 1500 L – 500 L = 3)
 4. As the dilute label rate is 50 mL/100 L, then the concentrate rate becomes 3 x 50, that is 150 mL/100L 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

This product may be combined with Fulasin or Benomyl.

PRECAUTIONS

Re-entry Period: Do not allow entry into treated areas until the spray deposits have dried. When prior entry is necessary, wear cotton overalls buttoned to the neck and wrist and elbow-length PVC gloves. Clothing must be laundered after each day's use.

PROTECTION OF LIVESTOCK

Dangerous to bees. DO NOT spray any plants in flower while bees are foraging.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

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

DRIFT WARNING

DO NOT apply under weather conditions or from spraying equipment which could be expected to cause spray to drift onto adjacent crops, crop lands, pastures or livestock.

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