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

Folidol® M500

INSECTICIDE SPRAY

Active Constituent: **500 g/L PARATHION-METHYL (an anticholinesterase compound)**
Solvent: **396 g/L XYLENE**

GROUP	1B	INSECTICIDE

For control of some pests of citrus, pome and stone fruit, grapevines, vegetables, cruciferous forage, cotton and tobacco crops

GENERAL INSTRUCTIONS

Insecticide Resistance Warning

For insecticide resistance management, Folidol® M500 is a Group 1B insecticide. Some naturally occurring insect biotypes resistant to Folidol M500 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 Folidol M500 and other Group 1B insecticides are used repeatedly. The effectiveness of Folidol M500 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 Folidol M500 to control resistant insects. Folidol M500 may be subject to specific resistance management strategies. For further information contact your local supplier, Bayer CropScience representative or local agricultural department agronomist.

Export of Treated Produce

Growers should note that suitable MRLs or import tolerances may not be established in all markets for fruit treated with Folidol M500 Insecticide Spray. If you are growing fruit for export or grapes for export (either fresh, dried or as wine), please check with Bayer CropScience Pty Ltd or the Australian Wine Research Institute (in the case of wine), for the latest information on MRLs and import tolerances BEFORE using Folidol M500.

Pest Monitoring

Folidol M500 should only be applied if monitoring indicates that pest population exceeds thresholds.

Compatibility

Folidol M500 is compatible with most Bayer CropScience insecticides and fungicides and may be mixed with Bordeaux mixture and lime sulphur if desired, provided it is used immediately after preparation. Do not mix concentrates together but add each to the spray tank separately. As formulations of other manufacturers' products are beyond the control of Bayer CropScience Pty Ltd, all mixtures should be tested prior to mixing commercial quantities. As changes in climatic conditions can alter the sensitivity of plants to mixtures of sprays, Bayer CropScience Pty Ltd cannot be responsible for the behaviour of such mixtures.

Mixing

Mix the required quantity of Folidol M500 with water in the spray vat while stirring or with agitators in motion.

Application

Ground application: Only apply Folidol M500 by airblast, electrostatic, and boom spraying. It is highly desirable that closed mixing/loading systems are in place and enclosed cabs are used. It is preferable that enclosed cabs are equipped with air-conditioning and pesticide filters.
Aerial application: Where possible during the aerial application of this chemical, enclosed vehicle cabs equipped with air-conditioning and pesticide filters should be used in preference to relying on personal protective equipment.
Human flaggers: Human flaggers used in aerial application should be protected by engineering controls such as enclosed cabs.

Special Instructions For Tree And Vine Crops

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 water to cover the crop to the point of run-off. Avoid excessive run-off.
- The required spray volume may be determined by applying different test volumes, using different settings on the sprayer, or from industry guidelines or expert advice.
- Add the amount of product specified in the Direction 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 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. If the dilute label rate is 100 mL/100 L, then the concentrate rate becomes 3 x 100, that is 300 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.
- For further information on concentrate spraying, users are advised to consult relevant industry guidelines, undertake appropriate competency training and follow industry best practice.

PRECAUTIONS

Re-entry

Do not allow entry for 5 days after treatment. If bug checking or exceptional circumstances require prior entry, limit duration of entry and wear cotton overalls buttoned to the neck and wrist or long trousers and long sleeved shirt, and chemical resistant gloves. Clothing must be laundered after each day's use.
Hand weeders: Do not allow re-entry into treated areas for 5 days after treatment. After this period, wear shoes or boots, socks, long trousers, long sleeved shirt, gloves and hat.

PROTECTION OF LIVESTOCK

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

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

DO NOT contaminate streams, rivers or waterways with the chemical or used containers.
DO NOT apply under meteorological conditions or from spraying equipment that are likely to cause spray drift onto natural streams, rivers or waterways.
DO NOT spray any plants in flower, including ground covers, while bees are present. Should spray drift occur, bees may be at risk several hundred metres downwind depending on atmospheric conditions.
DO NOT aerially apply near to sensitive areas (such as natural streams, rivers or waterways and human dwellings) without applying measures to limit the spray drift on these areas. A spray drift management strategy such as those in the *Best Management Practices Manual for Cotton Growers* or the *Pilots and Operators Manual* should be applied.

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 or recycling. 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.

PRECAUTIONARY INSTRUCTIONS

NRA recommends that a person using, keeping or disposing of this product should have successfully completed an appropriate course of training such as the Farm Chemicals Users Course or similar course qualification.

SAFETY DIRECTIONS

Very dangerous, particularly the concentrate. Product and spray are poisonous if absorbed by skin contact, inhaled or swallowed. Repeated minor exposure may have a cumulative poisoning effect. Will irritate the eyes and skin. Avoid contact with eyes, skin and clothing. Do not inhale spray mist. When opening the container, preparing the spray and using the prepared spray, wear protective waterproof clothing, cotton overalls buttoned to the neck and wrist and washable hat, elbow-length PVC gloves, impervious footwear, 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 areas 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, respirator (and if rubber wash with detergent and warm water) and contaminated clothing. Obtain an emergency supply of atropine tablets 0.6 mg.

FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre (telephone 13 11 26). If swallowed, give one atropine tablet every 5 minutes until dryness of the mouth occurs. Do NOT induce vomiting. Give a glass of water. If poisoned by skin absorption or through lungs, remove 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, which can be obtained from www.bayercropscience.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.

NRA Approval No.: 39718/0603

ORGANOPHOSPHORUS PESTICIDE, LIQUID, TOXIC, FLAMMABLE (parathion-methyl, xylene)	
UN No. 3017	**PG II**
FOR 24 HOUR SPECIALIST ADVICE IN EMERGENCY ONLY PHONE 1800 033 111	

DIRECTIONS FOR USE

Restraints

DO NOT apply by hand-held equipment

DO NOT apply in greenhouses

TREE and VINE CROPS

RATE 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 Instruction for Tree and vine crops** section.				**CRITICAL COMMENTS** For all uses in this table: 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.** Refer to the **Special instructions for Tree and vine crops** section.
CROP	**PEST**	**STATE**	**RATE (dilute spraying)**	
Citrus (mandarins - not in NSW, oranges, lemons, grapefruit)	Black citrus aphid	All states	18 mL/100 L	Spray at first sign of pests.
	Various scale insects	NSW, Vic, SA, WA only	70 or 100 mL/ 100 L	Use lower rate for control of crawlers. Use higher rate (plus 1 L white oil/100 L spray mix) for control of adult scales.
Grapevines	Mealybug	NSW, Vic, Tas, SA, WA only	65 mL/100 L	Thorough spraying is essential.
Pome fruit, Stone fruit	Mealybug	NSW only	65 mL/100 L	Spray at first sign of pest and as required during season.
	Woolly aphid	NSW, Vic, Tas, SA, WA, only	65 mL/100 L	Spray when first seen.
	Other aphids, jassids		40 mL/100 L	Spray at first sign of pests.
	Codling moth, lightbrown apple moth, oriental fruit moth		65 mL/100 L	Apply normal cover sprays, or in warm districts, fortnightly applications may be necessary.
	Oyster scale		100 mL/100 L	Apply in late dormant period up to green tip or late budswell. Add 3 litres winter oil/100 L spray mix.
	San Jose scale	NSW, Vic, SA, WA only		

OTHER CROPS

CROP	PEST	STATE	RATE	CRITICAL COMMENTS
Cotton	*Helicoverpa* larvae	Qld, NSW only	1.4 – 2.8 L/ha	Apply to larvae up to 10 mm long. Do not use on a program basis.
	Aphids, looper		700 mL – 1.4 L/ha	Dilute in a convenient amount of water and spray when pests are first seen. Do not use on a program basis.
Vegetable crops, Cruciferous forage crops	Aphids, mites, green vegetable bug, cabbage white butterfly, cabbage moth	NSW, Vic, Tas, SA, WA only	65 mL/100 L or 700 mL/ha	Apply as pest appears or on a regular protective schedule of 10-14 days.
	African vine weevil, carrot weevil Cutworms	Vic only		
Beans (French), Peas (green)	*Helicoverpa* larvae	Qld only	700 mL – 1.1 L/ha	Apply when pest numbers warrant.
Tomatoes, Capsicums	Aphids, green vegetable bug		65 mL/100 L or 700 mL/ha	Apply as pest appears or on a regular protective schedule of 10 – 14 days.
Beans	Jassids			
Potatoes	Aphids, jassids			
Carrots, Cucurbits, Egg fruit	Aphids			
Tobacco	Budworm	NSW only	100 mL/100 L	Apply at first sign of infestation and repeat as necessary at weekly intervals.
	Looper	NSW, Vic only		
Clover seed crops	Clover seed moth (clover case bearer moth)	Vic only	800 mL/ha	Apply at intervals of 10 – 14 days from beginning of flowering until seed is almost ready for harvest.

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:

Harvest

All crops: **DO NOT HARVEST FOR 14 DAYS AFTER APPLICATION**

Grazing

All crops (except cotton): **DO NOT GRAZE OR CUT FOR STOCKFOOD FOR 14 DAYS AFTER APPLICATION**

Cotton: **DO NOT ALLOW STOCK TO GRAZE TREATED CROPS**