



# PENNCAP-M

## FLOWABLE MICROENCAPSULATED INSECTICIDE

GROUP 1B INSECTICIDE

**Active Ingredient:** 240g/L Parathion-Methyl  
(An ANTICHOLINESTERASE COMPOUND)

**Poison Schedule:** S6

**Withholding Period:** Apples, pears, citrus, grapevines:  
Do not harvest for 14 days after application. Do not graze or cut for stockfood for 14 days after application.

**Resistance Grouping:** 1B

**Dangerous Goods Class:** 9

**Registered for use In:** ALL STATES

**Available In:** 10L (2 x 10L per carton).

### **DIRECTIONS FOR USE**

DO NOT apply by hand-held equipment.  
DO NOT apply in greenhouses.

CROP	INSECTS CONTROLLED	RATE	CRITICAL COMMENTS
Apples	Codling Moth, Light brown apple moth, Twig Looper, San Jose scale, Woolly aphid, Longtailed mealy bug.	125mL in 100L water	Apply when pests appear during the growing season and repeat at intervals determined by trap counts and at no less than 2 weeks intervals.



<b>CROP</b>	<b>INSECTS CONTROLLED</b>	<b>RATE</b>	<b>CRITICAL COMMENTS</b>
Pears	Twig Looper, Longtailed mealy bug, Light brown apple moth, Codling moth, San Jose scale.	125mL in 100L water	Apply when pests appear during the growing season and repeat at intervals determined by trap counts and at no less than 2 weeks intervals.
Citrus	Red scale, Soft brown scale, Small citrus butterfly, Longtailed mealy bug		Apply when pests appear during the growing season. Repeat no more frequently than 3 week intervals.
Grapevines	Light brown apple moth, Vine moth		Spray when pests appear after full bloom and repeat at 3-4 week intervals or when more than two moths per week are caught in light brown apple moth traps.

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

**General Instructions**

**Pest Monitoring:** Penncap-M should only be applied if monitoring indicates that pest population exceeds thresholds.

**Mixing:** Penncap-M is a flowable formulation consisting of a water suspension of polymeric-type microcapsules which contain parathion-methyl. Use 50-mesh screens or larger. Shake container before pouring. First fill the spray vat approximately half full with water. Then add the required amount of Penncap-M and finally add the remainder of the water whilst agitating the spray vat.

**Compatibility:** Do not mix with Bordeaux, dinocap, oils or emulsifiable concentrates.

**Application Methods**

**Ground application:** Only apply Penncap-M by air-blast, 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. DO NOT apply by air.

**Dilute (high volume) spraying:** Apply to the point of run off to ensure coverage. Note that the required volume will vary between crops, the size of trees and the change in canopy during the season.



**Concentrate (low volume) spraying:** The rate per 100 litres for concentrate spraying is derived from the volume of dilute spray that would be applied per hectare. This can be determined from calibration, tables or guidelines, or by calculation using tree row volume or unit canopy row formulae.

Penncap-M can be applied through concentrate spraying equipment up to 5x concentrate. Penncap-M has low toxicity to predatory mites when used in IPM programmes and has been demonstrated to be safe to *Typhlodromus pyri* and *Typhlodromus occidentalis*.

### **Precautions**

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.

**Re-entry:** Do NOT allow entry for 5 days after treatment. If trap 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 fruit thinners: 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 could be expected 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.

### **Storage and Disposal**

Store in original container tightly closed in a dry well ventilated area, as cool as possible out of direct sunlight. Do not store with seeds and foodstuffs. Protect product from frost. 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 500mm 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, inhaled or swallowed. Repeated minor exposure may have a cumulative poisoning effect. Avoid contact with eyes and skin and clothing. Do not inhale spray mist. When opening container, preparing the spray and using the prepared spray, wear protective waterproof clothing, cotton overalls buttoned to the neck and wrists and washable hat, impervious footwear, elbow-length PVC gloves 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 days 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. **If swallowed**, induce vomiting, preferably using Ipecac Syrup APF, and give one atropine tablet every fifteen minutes until dryness of the mouth occurs. **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. Additional information is contained in MSDS 32.

**APVMA Approval No: 40500**