

DANGEROUS POISON

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

CHEMAG SENTINEL 800 INSECTICIDE SPRAY

**ACTIVE CONSTITUENT:
800g/L OMETHOATE (an anticholinesterase compound)**

GROUP 1B INSECTICIDE

For control of certain pests on cotton, apples, bananas, citrus, lupins, onions, pears, potatoes and ornamentals as specified in the DIRECTIONS FOR USE table.

**IMPORTANT: READ THE LABEL BEFORE OPENING
OR USING THIS PRODUCT.**

APVMA Approval No: 59872/0905

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GENERAL INSTRUCTIONS

Insecticide Resistance Warning

For insecticide resistance management, Chemag Sentinel is a Group 1B insecticide. Some naturally occurring insect biotypes resistant to Chemag Sentinel 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 Chemag Sentinel and other Group 1B insecticides are used repeatedly. The effectiveness of Chemag Sentinel on resistant individuals could be significantly reduced. Since occurrence of resistant individuals is difficult to detect prior to use, Chemag accepts no liability for any losses that may result from the failure of Chemag Sentinel to control resistant insects. Chemag Sentinel may be subject to specific resistance management strategies. For further information, contact your local supplier, Chemag 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 Carnage. If you are growing edible produce for export, please check with Chemag for the latest information on MRLs and import tolerances before using ChemAg Sentinel.

Mixing

Add the required quantity of ChemAg Sentinel 800 to water in the spray vat while stirring or with agitators in motion.

Application

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. Avoid excessive 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 100L 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: $3 \times$ (ie $1500\text{L} \div 500\text{L} = 3$)
 4. For the dilute label rate of 75mL/100L, the concentrate rate becomes 3×75 , that is 225mL/100L of concentrate spray.
- The chosen spray volume, amount of product per 100L 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.

Note on ornamentals

ChemAg Sentinel 800 Insecticide Spray has been used on a wide range of ornamental plant species without damage. However, some species and varieties are particularly sensitive to chemical sprays and as this is often related to local conditions it is advisable to treat only a small number of plants first, in order to ascertain their reaction before treating the whole crop.

Compatibility

ChemAg Sentinel 800 is compatible with Antracol®, Nitofol®, white oil, misting oil, water miscible oil. Do not mix concentrates together but add each to the spray tank separately. As formulations of other manufacturers' products are beyond the control of Imtrade Australia, 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, Imtrade Australia cannot be responsible for the behaviour of such mixtures.

PRECAUTION

Re-entry

Do not allow entry into treated areas for 1 day after treatment. When prior entry is necessary, wear cotton overalls buttoned to the neck and wrist and a washable hat, chemical resistant gloves and impervious footwear. 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

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

STORAGE AND DISPOSAL

Store in the closed, original container in a cool, dry and 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 container 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 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 exposure may cause allergic disorders. Sensitive workers should use protective clothing. Repeated minor exposure may have a cumulative poisoning effect. Avoid contact with eyes, skin and clothing. Do not inhale spray mist. When preparing spray wear cotton overalls buttoned to the neck and wrist and washable hat, elbow-length PVC gloves and face shield. If product 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, face shield and contaminated clothing. Obtain an emergency supply of atropine tablets 0.6mg.

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. If poisoned by skin absorption or through lungs, remove any contaminated clothing and 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 Imtrade Australia Pty Ltd

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 it is lawfully able to do so, Imtrade Australia Pty Ltd accepts no liability or responsibility for loss or damage arising from failure to follow such directions and instructions.

PRODUCT: ORGANOPHOSPHORUS PESTICIDE, LIQUID, TOXIC FLAMMABLE (contains omethoate, 1-methoxy-2-propyl acetate)		
UN No. 3017	PG II	HAZCHEM 3W
In a transport emergency Dial 000 Police or Fire Brigade		



DIRECTIONS FOR USE

Tree and Vine Crops

		RATE			
In the following table, all rates given are for dilute spraying . For concentrate spraying , refer to the Application section.					
CROP	PEST	STATE	RATE	WHP	CRITICAL COMMENTS
Apples Pears	Twospotted mite (not in MIA or Goulburn Valley)	NSW, Vic, SA, Tas, WA only	75mL/100L	7 days	Spray thoroughly at beginning of mite build up. Repeat at beginning of renewed mite activity. Do not apply during flowering. This product is not compatible with integrated mite control programs.
		NSW, VIC, SA, WA only			
	Tas only	65mL/100L			
	WA only	75mL/100L			
Citrus	Woolly aphid	WA only	75mL/100L	7 days	Spray when pests are first seen. Apply thoroughly as a full cover spray, timed according to previous schedule, eg between January and early March. Do not apply to Meyer lemon or Seville orange.
	California red scale	NSW, Vic, SA only	50mL plus 1L spraying oil/100L		
		WA only	75mL plus 1L spraying oil/100L		
	Aphids		75mL/100L		
Glen Retreat mandarins	California red scale	Qld only	65mL/100L	7 days	Spray when pests are seen. Apply thoroughly as a full cover spray. Apply two sprays - one in early December to coincide with peak hatching and one in late January.

Non-Tree/Vine Crops

CROP	PEST	STATE	RATE	WHP	CRITICAL COMMENTS
Cotton	Thrips, mirids Aphids Jassids	Qld, NSW, WA, NT only	140-280mL/ha	21 days	Apply by ground rig or air. Aircraft may use double track spacing with a reliable cross wind for thrips only. Use higher rate for longer residual control of thrips, or where mirid populations exceed 1/m of row.
			250mL/ha		
			280mL/ha		
Bananas	Corky scab caused by flower thrips	Qld, NSW only	Bell injection 50mL/5L	6 weeks	At bunch emergence, apply 40 to 60mL of mix while the emerging bell is still upright by injecting into the bell about 1/4 of its length from the upright tip. Inject to a depth of 30-50mm so as not to damage the bunch stem. Use the higher rate for larger bunches.
			Individual plant treatment 125mL/100L		
Lupins	Blue green aphid, cowpea aphid, green peach aphid (suppression only)	WA only	250mL/ha	14 days	Can be applied ULV in water using 20% anti-evaporative oil (eg Ulvapron).
Onions	Thrips Lucerne flea	All States Vic, SA, Tas only	700mL/ha or 65mL/100L		Apply thoroughly as a full cover spray. Add wetting agent.
			35mL/ha		
Potatoes	Aphids	WA only	75mL/100L	7 days	Spray when pests are first seen and repeat when necessary.

CROP	PEST	STATE	RATE	WHP	CRITICAL COMMENTS
Carnations, Chrysanthemums, Pelargoniums, Roses, Callistemons, Eucalyptus spp., Grevillea spp., Paperbarks, Wattles	Aphids, lace bugs, mealybugs, mites, thrips, whiteflies	All States	75mL/100L	-	Spray thoroughly as a full cover spray. Repeat at beginning of renewed pest activity. See note on ornamentals.

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)

Lupins, onions: DO NOT HARVEST FOR 14 DAYS AFTER APPLICATION
 Cotton: DO NOT HARVEST FOR 21 DAYS AFTER APPLICATION
 Bananas (bell injection): DO NOT HARVEST FOR 6 WEEKS AFTER APPLICATION
 Bananas (throat spray): DO NOT HARVEST FOR 4 DAYS AFTER APPLICATION
 Other edible crops: DO NOT HARVEST FOR 7 DAYS AFTER APPLICATION