

# POISON

KEEP OUT OF REACH OF CHILDREN

READ SAFETY DIRECTIONS BEFORE OPENING OR USING



# Dimethoate 400

SYSTEMIC INSECTICIDE

ACTIVE CONSTITUENT: 400 g/L DIMETHOATE (an anti-cholinesterase compound)

**GROUP 1B INSECTICIDE**

Controls a wide range of insect pests on grapes, pastures, cotton, lucerne, peanuts, peas and ornamentals as listed in the Directions for Use table.

IMPORTANT: READ THE ATTACHED LEAFLET BEFORE USE

CONTENTS: 20 LITRES

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BATCH NO:

DATE OF  
MANUFACTURE:

EXPIRY DATE:

## DIRECTIONS FOR USE

**Restraints:** DO NOT apply to any non-food tree crop or plantation (including *Eucalyptus* spp.) by air.  
DO NOT USE as a foliar, post harvest or quarantine treatment on Grapes after commencement of flowering.

CROP	PEST	STATE	RATE	WHP	CRITICAL COMMENTS
Cereals	Lucerne Flea	NSW, ACT, Vic, Tas, SA, WA only	55-85 mL/ha	4 weeks (Harvest) 14 days (Grazing)	Apply 3-5 weeks after the commencement of Autumn rains or when outbreak occurs. Use the higher rate in cold weather. DO NOT spray on bare ground. Allow the crop to emerge before application. Apply from Boom Spray in 50-100 L water/ha or Aircraft and misting machines in 20-40 L of water per hectare.
	Redlegged Earth Mite	Vic, Tas, SA, WA only	55-85 mL/ha		
		NSW, ACT only	85 mL/ha		
	Wingless Grasshopper	All States	75 mL/100 L water or 750 mL/ha		Apply when grasshoppers appear and re-apply as required. In addition to the infested area spray a band of about 20 metres around areas to be protected.
	Brown Wheat Mite	Qld, WA only	90 mL/ha		Apply when pests appear.
	Blue Oat Mite	Qld, NSW, ACT, WA only	90 mL/ha		Apply when pests threaten damage to crop.
	Leafhoppers, Cereal Aphids	Qld, WA only	500 mL/ha		
Cotton	Aphids, Spider Mites (including Red Spider Mite, Two Spotted Mite)	Qld, NSW, ACT, WA only	500 mL/ha	14 days (Harvest)	Apply when pests appear and repeat as required. Use higher rate for heavy infestation. Use the higher rate for heavy infestations. Some strains of Spider Mites are resistant to organophosphorus compounds. DO NOT use this product when resistant strains are present. <b>DO NOT feed cotton fodder, stubble or trash to livestock.</b>
	Thrips		300-375 mL/ha		
	Wingless Grasshopper		750 mL/ha or 75 mL/100 L water		
	Leafhopper (Jassids)		350 mL/ha		
	Bugs including Green Vegetable Bug, Green Mirids, Brokenbacked Bug, Apple Dimpling Bug, Brown Smudge Bug, Rutherglen Bug		340-500 mL/ha		

CROP	PEST	STATE	RATE	WHP	CRITICAL COMMENTS
Grain Legumes Adzuki Bean, Cowpea, Mung Bean, Navy Bean, Pigeon Pea	Spider Mites, Thrips, Jassids, Green Vegetable Bug, Aphids, Bean Fly	Qld, Vic, Tas, SA, WA only	75 mL/100 L or 800 mL/ha	14 days (Harvest) 14 days (Grazing)	Apply when insects appear and repeat as necessary. Spray when flowering spikes carrying 20-50 aphids are easy to find and when there is evidence of viral disease. Some strains of Spider Mite are resistant to organophosphorus compounds.
	Redlegged Earth Mite	Vic, Tas, SA, WA only	75 mL/100 L		
	Lucerne Flea	WA only	85 mL/100 L		
Grapes	Aphids, Thrips, Jassids, Mites including Spider Mites	Qld, Vic, Tas, SA, WA only	75 mL/100 L of water	–	Apply when pest first appear and repeat at 3 weekly intervals or as necessary. Some strains of Spider Mites are resistant to organophosphorus compounds. DO NOT use after flowering commences.
Leucaena	Leucaena Psyllid	Qld, WA only	340 mL/ha	14 days (Grazing)	Apply when pest population builds up.
Lucerne	Spotted Alfalfa Aphid, Blue Green Aphid	WA only	150-225 mL/ha	14 days (Grazing)	Apply when aphids first appear to build up on the stem or apply at the same rate as soon as possible after cutting the lucerne stand if and when the infestation occurs. Repeat if necessary. <b>Vic only:</b> Spray when 20-40 aphids per stem on mature plants and 1-2 aphids/plant in seedlings are present. Spotted Alfalfa Aphids are resistant to some organophosphates in some areas. Consult your district agronomist before spraying.
		Qld, NSW, ACT, Vic only	150 mL/ha		
		Tas only	375 mL/ha		
	Blue Green Aphid	SA only			
	Leafhoppers (Jassids)	Qld, Vic, Tas, SA, WA only	350 mL/ha		Apply when insects appear and repeat as necessary.
	Bean Fly	Vic, Tas, SA, WA only	340 mL/ha		Apply when insects appear.
	Blue Oat Mite	NSW, ACT, WA only	90 mL/ha		

CROP	PEST	STATE	RATE	WHP	CRITICAL COMMENTS
Lucerne — continued	Pea Aphid	NSW, ACT, Vic, WA only	150 mL/ha	14 days (Grazing)	Apply when aphids begin building on stems. <b>Vic only:</b> Spray when 20-40 aphids per stem on 1-2 per seedling.
	Lucerne Flea	NSW, ACT, Vic, Tas, SA, WA only	55-85 mL/ha		Apply 3-5 weeks after the commencement of Autumn rains or when outbreak occurs. Use the higher rate in cold weather or on mature pastures.
	Redlegged Earth Mite	Vic, Tas, SA, WA only	55-85 mL/ha		DO NOT spray on bare ground. Allow the lucerne to emerge before application.
		NSW, ACT only	85 mL/ha		Boom spray apply in 50-100 L of water/ha. Aircraft and misting machines apply in 20-40 L/ha.
	Wingless Grasshopper	All States	75 mL/100 L of water		Apply when grasshoppers appear and re-apply as required. In addition to the infested area spray a band of about 20 metres around areas to be protected.
Maize	Maize Leafhoppers, Thrips	Qld, WA only	500 mL/ha	4 weeks (Harvest) 14 days (Grazing)	Apply 2 sprays 5-7 days apart.
Oil Seeds	Lucerne Flea	NSW, ACT, Vic, Tas, SA only	55-85 mL/ha	14 days (Harvest) 14 days (Grazing)	Apply 3-4 weeks after Autumn opening rains or when pest outbreak occurs. Use the higher rate in cold weather. DO NOT spray on bare ground. Allow the crop to emerge before application. Boom spray apply in 50-100 L of water/ha. Aircraft and misting machines apply in 20-40 L/ha.
		WA only	40-55 mL/ha		
	Redlegged Earth Mite	Vic, Tas, SA only	55-85 mL/ha		
		WA only	40-55 mL/ha		Apply when grasshoppers appear and re-apply as required. In addition to the infested area spray a band of about 20 metres around areas to be protected.
		NSW, ACT only	85 mL/ha		
	Wingless Grasshopper	All States	75 mL/100 L of water or 750 mL/ha		Apply when pests appear.
	Green Vegetable Bug, Jassids		350 mL/ha		

CROP	PEST	STATE	RATE	WHP	CRITICAL COMMENTS
Ornamentals (not Chrysanthemum, Begonias, Liquid Amber or Gloxinias)	Aphids, Thrips, Jassids, Spider Mites, Leafhoppers, Azalea Lace Bug, Green Vegetable Bug, Rutherglen Bug, Leaf Miners, Greenhouse White Fly	All States	75 mL/100 L of water	–	Apply when pests appear and repeat as necessary. Some strains of Spider Mites are resistant to organophosphorus compounds.
	Bronze Orange Bug	Qld, NSW, ACT, Vic, SA, WA only			
	Wingless Grasshopper	All States			Apply when grasshoppers appear and re-apply as required. In addition to the infested area spray a band of about 20 metres around areas to be protected.
	Woolly Aphid	Vic, Tas, SA, WA, NT only			Apply when pests appear and repeat as necessary.
Wild Flowers, Protea	Aphids, Thrips, Leafhoppers, Rutherglen Bug	WA only			Apply when pests appear. Dimethoate will not control OP resistant pests.
Pastures, Pasture Seed & Forage Crops including Clover, Medics, Lucerne, Legumes (for animal feed)	Lucerne Flea, Redlegged Earth Mite	NSW, ACT, Vic, Tas, SA, WA only	55-85 mL/ha	14 days (Grazing)	Apply 3-5 weeks after the commencement of Autumn rains or when outbreak occurs. Use the higher rate in NSW and in cold weather and/or for heavy infestations in other states.
	Blue Oat Mite	NSW, ACT, WA only	90 mL/ha		DO NOT spray on bare ground. Allow the crop to emerge before application. Apply from either Boom Spray apply 50-100 L of water/ha or Aircraft and misting machines 20-40 L of water per ha.
	Wingless Grasshopper	All States	75 mL/100 L of water or 750 mL/ha		Apply when grasshoppers appear and re-apply as required. In addition to the infested area spray a band of about 20 metres around areas to be protected.
	Pangola Aphid	Qld, WA only	190 mL/ha		Apply when insects appear. DO NOT treat when predators are present in significant numbers.

CROP	PEST	STATE	RATE	WHP	CRITICAL COMMENTS
Pastures, Pasture Seed & Forage Crops including Clover, Medics, Lucerne, Legumes (for animal feed) – continued	Spotted Alfalfa Aphid, Blue Green Aphid	WA only	150-225 mL/ha	14 days (Grazing)	<p>Apply when aphids begin to build up on the stem or apply at the same rate as soon as possible after cutting the lucerne stand if and when the infestation occurs. Repeat only if necessary. Spotted Alfalfa Aphids are resistant to some organophosphates in some areas. Consult your district agronomist before spraying.</p> <p><b>Vic only:</b> Apply when 20-40 aphids/stem on mature plants and 1-2 aphids/plant in seedlings are present.</p>
		Qld, NSW, ACT, Vic only	150 mL/ha		
		Tas only	375 mL/ha		
	Blue Green Aphid	NSW, ACT only	150 mL/ha		
		SA, WA only	375 mL/ha		
Peanuts	Aphids, Jassids, Thrips, Green Vegetable Bug, Peanut Mite	Qld, NSW, ACT, WA only	350 mL/ha	14 days (Harvest) 14 days (Grazing)	Apply when pests appear.
Seed Dressing: Vetches, Lupins	Redlegged Earth Mite, Lucerne Flea	Vic, Tas, SA, WA only	150 mL in 1-1.2 L of water/100 kg seed	–	<p>Mix thoroughly in drum or cement mixer. The addition of a surfactant will give better coverage and penetration. Sow seeds as soon as possible after treatment.</p> <p>DO NOT use this product when it is necessary to inoculate seed. DO NOT use treated seed for any other purpose eg. animal feed.</p>
Seed Dressing: Peas		NSW, ACT, Vic, Tas, SA, WA only	600 mL in 2-2.5 L of water/100 kg seed		
Seed Dressing: Lucerne					
Seed Dressing: Clover	Redlegged Earth Mite, Lucerne Flea	NSW, ACT, Vic, Tas, SA, WA only	300 mL in 2 L of water/100 kg seed	–	<p>Mix thoroughly in drum or cement mixer. The addition of a surfactant will give better coverage and penetration. Sow seeds as soon as possible after treatment.</p> <p>DO NOT use this product when it is necessary to inoculate seed. DO NOT use treated seed for any other purpose eg. animal feed.</p>
Seed Dressing: Linseed, Canola			330 mL in 1.2 L of water/100 kg seed		
Sorghum	Aphids	Qld, WA only	500 mL/ha	4 weeks (Harvest) 14 days (Grazing)	Apply as required.

CROP	PEST	STATE	RATE	WHP	CRITICAL COMMENTS
Trees: Eucalypts, Kurrajongs, Flame Trees, Umbrella Trees	Jarrah Leaf Miner, Psyllids, Kurrajong Leaf Miner, Leaf Blister, Sawfly, Lerp insects, Scale insects, Spittle Bugs, Mites	WA only	25 mL/8 L of water	–	Apply in early June for control of Jarrah Leaf Miner and in early Spring for Psyllids. Trunk injection method may be used on large trees. Bore holes in tree trunk and fill with 1:1 mixtures of this product and water. Apply in late January as above for Kurrajong Leaf Miner.

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

**WITHHOLDING PERIODS:**

**Cereals, Maize, Sorghum:**

**DO NOT harvest for 4 weeks after application.  
DO NOT graze or cut for stockfood for 14 days after application.**

**Cotton:**

**DO NOT harvest for 14 days after application.  
DO NOT feed cotton fodder, stubble or trash to livestock.**

**Pastures, forage crops and leucaena:**

**DO NOT graze or cut for stockfood for 14 days after application.**

**Pasture seed crops, lucerne and cereals:**

**DO NOT graze or cut for stockfood for 14 day after application.**

**Seed Dressings (Vetches, Lupins, Lucerne, Clover, Linseed, Canola):**

**NOT REQUIRED WHEN USED AS DIRECTED.**

**Oil seeds, Pulses (grain legumes):**

**DO NOT harvest for 14 days after application.  
DO NOT graze or cut for stockfood for 14 days after application.**

**Grapes:**

**NOT REQUIRED WHEN USED AS DIRECTED.**

## GENERAL INSTRUCTIONS

### DIRECTIONS FOR MIXING

The product can be poured directly into the water in the vat with agitators in operation.

If combining with another product, mix each product separately in a small quantity of water first before adding to the spray tank.

### INSECTICIDE RESISTANCE WARNING

For insecticide resistance management

ACP Dimethoate 400 Systemic

**GROUP 1B INSECTICIDE**

Insecticide is a Group 1B insecticide. Some naturally occurring insect biotypes resistant to ACP Dimethoate 400 Systemic Insecticide 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 ACP Dimethoate 400 Systemic Insecticide or other Group 1B insecticides are used repeatedly. The effectiveness of ACP Dimethoate 400 Systemic Insecticide on resistant individuals could be significantly reduced.

Since occurrence of resistant individual is difficult to detect prior to use, Australis Crop Protection Pty Ltd accepts no liability for any losses that may result from the failure of ACP Dimethoate 400 Systemic Insecticide to control resistant insects. ACP Dimethoate 400 Systemic Insecticide may be subject to specific resistant management strategies. For further information contact your local supplier, Australis Crop Protection or local agricultural department agronomist.

### 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. Dangerous to fish.

### STORAGE AND DISPOSAL

Store in the closed, original container, in a cool, well-ventilated area out of direct sunlight. Store in a locked room or place away from children, animals, food, feedstuffs, seed and fertilisers.

Protect from direct sunlight and temperatures above 40°C. If storing for periods of more than 2-3 months avoid temperatures above 30°C.

The method of disposal of the container depends on the container type. Read the Storage and Disposal instructions on the label that is attached to the container.

## SAFETY DIRECTIONS

Product is poisonous if absorbed by skin contact, inhaled or swallowed. Repeated minor exposure may have a cumulative poisoning effect. Avoid contact with eyes and skin. DO NOT inhale spray mist. When opening the container and preparing spray wear cotton overalls buttoned to the neck and wrist, washable hat, elbow-length PVC gloves, face shield and impervious footwear. When using the prepared spray, wear cotton overalls buttoned to the neck and wrist, washable hat, elbow-length PVC gloves, impervious footwear and half-face respirator with combined dust and gas cartridge. 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 respirator and if rubber wash with detergent and warm water and contaminated clothing.

### FIRST AID

If swallowed, splashed on skin or in eyes, or inhaled, contact Poisons Information Centre. Phone Australia 13 11 26; 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

Additional information is listed in the Material Safety Data Sheet, which can be obtained from the supplier.

**CONDITIONS OF SALE:** The use of ACP Dimethoate 400 Systemic Insecticide being beyond the control of the manufacturer no warranty expressed or implied is given by Australis Crop Protection Pty Ltd regarding its suitability, fitness or efficiency for any purpose for which it is used by the buyer, whether in accordance with the directions or not and Australis Crop Protection Pty Ltd accepts no responsibility for any consequence whatsoever resulting from the use of this product.

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