

POISON

KEEP OUT OF REACH OF CHILDREN

READ SAFETY DIRECTIONS BEFORE OPENING OR USING

Cyren[®] 500 WP

INSECTICIDE

ACTIVE CONSTITUENT:

500 g/kg CHLORPYRIFOS

(an anticholinesterase compound)

GROUP	1B	INSECTICIDE
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For control of insect pests
in fruit and other situations
as shown under the Directions for Use

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DIRECTIONS FOR USE

RESTRAINTS

DO NOT apply if bees are actively foraging.

CROP	PEST	STATE	RATE	CRITICAL COMMENTS
Apples	Apple Dimpling Bug	NSW, Vic, Qld, SA, ACT, WA only	100 g/100 L water (1 measure pack/250 L water)	Apply up to late pink (balloon) stage. Reapply at the end of flowering, if necessary. DO NOT apply for a minimum of 3 days before bees are actively foraging.
	Light Brown Apple Moth	NSW, Vic, Qld, SA, Tas, WA, ACT only	50 g/100 L water (1 measure pack/500 L water)	Apply as a full cover spray fortnightly after petal fall. This rate will also suppress Mealy Bug populations present at spraying (except in Tasmania)
Avocadoes	Queensland Fruit Fly (<i>Bactrocera tryoni</i>)	NSW, Qld, WA, ACT only	120 g plus 600 mL yeast hydrolysate/30 L water	Use 50 to 100 mL mixture/tree weekly, as a strip or patch low on the tree. AVOID CONTACT WITH FRUIT.
Bananas	Banana Scab Moth	Qld only	Air Blast 250 g/125 L water (1 measure pack/125 L water) or 1 or 2 kg/ha (4 or 8 measure packs/ha) Knapsack 10 g/5 L water	Apply from first appearance of flowers and repeat as populations indicate until fingers are exposed. Air Blast: Use 500 to 1,000 L water/ha. Use the high rate with the onset of wet weather and for high insect numbers.
	Banana Weevil Borer	NSW, Qld, WA, ACT only	500 g/100 L water (2 measure packs/100 L water) or 500 g/4 kg sand (2 measure packs/4 kg sand)	Remove trash and apply 600 mL of spray or 30 g sand mixture as a 30 cm band around the base of the plant. Apply once at maximum weevil activity (October-November) and in Autumn (March-April). Note: A complete season's control is dependent on timely application.
Citrus	Queensland Fruit Fly (<i>Bactrocera tryoni</i>)		120 g plus 600 mL yeast hydrolysate/30 L water	Use 50 to 100 mL of mixture/tree as a strip or patch low on the tree. Use every 7 to 10 days during periods of crop susceptibility. AVOID CONTACT WITH FRUIT.
Container plants in soil or other growing media	Argentine ants (<i>Linepithema humile</i>)	Tas only	250 g/25 L water (1 measure pack/25 L water)	To meet requirements to enter Tasmania, treat the base of plants and the surface of growing media. A white deposit will remain.
Ginger	Cutworm (<i>Agrotis</i> spp.)	Qld only	700 g or 900 g/ha	Apply when pest population is evident from damage to the primary shoot (at or below ground) or to the first leaf.
Grapevines	Light Brown Apple Moth	All States	50 g/100 L water (1 measure pack/500 L water) or 500 g/ha (2 measure packs /ha)	Apply initial spray just after berry set. Later sprays should be made as required.
Kiwifruit	Light Brown Apple Moth	All States	50 g/100 L water (1 measure pack/500 L water) or 1 kg/ha (4 measure packs /ha)	Apply the first application at green tip, pre-blossom or post-blossom, after bees have been removed. The second application should be after 14 days then every 21 to 28 days as required. Apply at least 10 days after dormant lime sulfur application.

CROP	PEST	STATE	RATE	CRITICAL COMMENTS
Macrocarpa hedges	Dimpling Bug (<i>Niastama punctaticollis</i>)	Tas only	50 g/100 L water (1 measure pack/500 L water) or 500 g/ha (2 measure packs /ha)	Spray hedges adjacent to orchards in late winter to early spring to prevent adults entering the orchards.
Passionfruit	Queensland Fruit Fly (<i>Bactrocera tryoni</i>)	NSW, Qld, WA, ACT only	120 g plus 600 mL yeast hydrolysate/30 L water	Apply 30 L of spray mixture/ha in a strip along the bottom of the vines. Repeat every 7 to 10 days during periods of fruit fly susceptibility. AVOID CONTACT WITH FRUIT This treatment is preferred in integrated pest management (IPM) programs where the use of cover sprays would be too disruptive.
Pears	Light Brown Apple Moth	NSW, Vic, SA, WA, Tas, ACT only	50 g/100 L water (1 measure pack/500 L water)	Commencing after petal fall, apply as a full cover spray at fortnightly intervals. This rate will also suppress Mealy Bug populations present at spraying (except in Tasmania).
Stone Fruit		WA, Tas only		

SEED DRESSING

CROP	PEST	STATE	RATE	CRITICAL COMMENTS
Beetroot Carrots Onions Radish Shallots Turnips	Cutworms, Earwigs, False Wireworms, Field Crickets, Harvester Ants, Mole crickets	QLD only	500 g/10 kg seed (2 measure packs/ 10 kg seed)	Mix powder with seed in planter seed box immediately prior to sowing. See General Instructions for mixing seed dressing.
Cereals	Black Soil Scarab, Wheat Root Scarab	NSW, WA only	500 g/10 kg seed (2 measure packs/ 10 kg seed)	Mix powder with seed in planter seed box immediately prior to sowing. See General Instructions for mixing seed dressing. Note: With wheat root scarab, black soil scarab and wireworm a presence of 5 larvae/metre square indicates a potential yield loss of 10%.
	Spine-tailed Weevil		250 g/210 kg seed (1 measure pack/ 210 kg seed)	
	Wireworms	NSW, SA, Vic, WA only	250 g/310 kg seed (1 measure pack/ 310 kg seed)	
	False wireworms	Vic, WA, Qld only	250 g/310 kg seed (1 measure pack/ 310 kg seed)	
	Cereal curculio	SA only	250 g/210 kg seed (1 measure pack/ 210 kg seed)	See General Instructions for mixing seed dressing. A sowing rate of 95 kg/ha (minimum) is necessary to ensure economic responses are achieved.
	Spine-tailed weevil	Vic only		
	Spotted vegetable weevil	WA only		
Oil seeds	False wireworms	Vic, WA, Qld only	250 g/310 kg seed (1 measure pack/ 310 kg seed)	See General Instructions for mixing seed dressing.

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

WITHHOLDING PERIODS:

Apples, Bananas, Citrus, Grapevines, Kiwifruit, Passionfruit, Pears, Stone Fruit:

DO NOT HARVEST FOR 14 DAYS AFTER APPLICATION

Avocados: DO NOT HARVEST FOR 7 DAYS AFTER APPLICATION

GENERAL INSTRUCTIONS:

INSECTICIDE RESISTANCE WARNING

GROUP	1B	INSECTICIDE
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For insect resistance management CYREN 500 WP INSECTICIDE is a Group 1B insecticide.

Some naturally-occurring insect biotypes resistant to CYREN 500 WP 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 CYREN 500 WP INSECTICIDE or other Group 1B insecticides are used repeatedly. The effectiveness of CYREN 500 WP INSECTICIDE on resistant individuals could be significantly reduced. Since occurrence of resistant individuals is difficult to detect prior to use, Cheminova Australia Pty Ltd accepts no liability for any losses that may result from the failure of CYREN 500 WP INSECTICIDE to control resistant insects.

CYREN 500 WP INSECTICIDE may be subject to specific resistance management strategies. For further information contact your local supplier, representative or local agricultural department agronomist.

MIXING

Spray Mix: One third fill the spray tank with water and add the required number of water soluble pre-packs to the strainer/sieve. Complete filling allowing the remaining water to run over the bags. The bags will completely dissolve in a few minutes.

OR

Add the required number of pre-packs to a mixing bucket and add enough water to completely cover the bags. Stir until the bags are completely dissolved and pour the pre-mix into the spray tank. Triple rinse the bucket and stirring implement, adding the rinse water to the spray tank. Agitate continuously to ensure thorough mixing before and during application. Only mix sufficient chemical for each day's work.

Tank mixtures: CYREN 500 WP Insecticide should be added to the partially full spray tank first, followed by dry flowables, suspension concentrates (flowables), aqueous concentrates and then emulsifiable concentrate formulations.

Seed Dressing: Use a respirator with a dust canister, wear elbow-length PVC gloves and cover all bare skin. Half fill the seed box and sprinkle half the powder evenly over the seed. Mix thoroughly with a wooden or metal stirrer. Repeat the process after adding the remaining seed and powder. Only mix in the seed box prior to sowing. DO NOT store treated seed for later use.

COMPATIBILITY

CYREN 500 WP Insecticide is compatible with benomyl, carbendazim, dicofol, dinocap, dodine, fenarimol, mancozeb, thiram, thiophanate-methyl, and ziram.

APPLICATION

Unless specified, it is essential to apply CYREN 500 WP Insecticide in sufficient water to obtain thorough coverage. Apply through accurately calibrated equipment.

CLEANING SPRAY EQUIPMENT

Rinse water should be discharged onto a designated disposal area or, if this is unavailable onto unused land away from homes and watercourses.

After using CYREN 500 WP Insecticide, empty the spray equipment completely and drain the whole system. Quarter fill the spray equipment with clean water and circulate through the pump, line, hoses and nozzles. Drain and repeat procedure twice.

RE-ENTRY PERIOD

Field crops, tree crops and vines: DO NOT allow entry into treated crops until spray deposits have dried. If prior entry is required, limit duration of entry and wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and chemical resistant gloves. Clothing must be laundered after each day's use.

Greenhouses: DO NOT allow entry into greenhouses until spray deposits have dried and treated areas are adequately ventilated. If prior entry is required, limit duration of entry and wear cotton overalls buttoned to the neck and wrist (or equivalent clothing), chemical resistant gloves and half-facepiece respirator. Clothing must be laundered after each day's use.

PRECAUTIONS

Seed treated with CYREN 500 WP must not be used for human consumption.

PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

Only treat target plants. DO NOT allow spray to drift.

PROTECTION OF LIVESTOCK

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

Seed treated with CYREN 500 WP Insecticide must not be used for animal consumption or be allowed to contaminate seed intended for animal consumption. DO NOT store treated seed. Treated seed should not be left exposed on the ground particularly during sowing.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

HIGHLY TOXIC TO BIRDS AND REPTILES. VERY HIGHLY TOXIC TO FISH AND AQUATIC INVERTEBRATES. DO NOT contaminate streams, rivers or waterways with the chemical, used containers or containers used for mixing or holding seed. DO NOT feed or expose treated seed to wildlife and domestic animals, particularly birds. Only treat target plants. DO NOT re-apply to the same crop within 7 days (unless specifically recommended in the directions for use).

Spray drift may occur under adverse meteorological conditions or from certain spray equipment. DO NOT allow spray to drift onto sensitive areas including, but not limited to, natural streams, rivers or waterways and human dwellings. A spray drift management strategy such as those in the Best Management Practices Manual for Cotton Growers or the Pilot and Operators Manual should be applied. Options for minimising drift to sensitive areas include not spraying within a certain distance of sensitive areas when the wind is blowing towards them (see table for guidance) or ensuring that drifting spray will be intercepted by a catching surface such as a row of shelter trees an unsprayed row of orchard trees, or hail netting.

Situation	Recommended buffer distance
Orchard (dormant trees, citrus, large trees)	30 m
Cotton (aerial application)	300 m
Other crops (aerial application)	100 m

DO NOT apply if heavy rains or storms that are likely to cause surface runoff are forecast in the immediate area within 2 days of application. DO NOT apply when irrigating, or to waterlogged soil; or while water remains on the surface or in furrows, unless tail water is captured on farm.

DO NOT allow contaminated runoff water from treated paddocks to enter adjacent areas or water bodies. Runoff contaminated by irrigation events (tailwater) and a 25 mm rainstorm should be captured on farm for 2 days after application.

STORAGE AND DISPOSAL

Store in the closed, original container in a dry, cool, well-ventilated area cut of direct sunlight. Single rinse before disposal. Add rinsings to spray tank. Do not dispose of undiluted chemicals on site. 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 specially marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.

SMALL SPILL MANAGEMENT

Wear appropriate clothing whilst cleaning up small spills (see Safety Directions). Remove bulk dust from surfaces and sweep up residual material. Place in a refuse container which prevents further dispersion of the powder. If spilled inside a building, wipe contaminated surfaces with a dilute solution of bleach (sodium hypochlorite). Dispose of the contaminated material in accordance with State and/or local regulations. Triple rinse cleaning equipment, discharging rinse water onto a designated disposal area, or if this is unavailable, onto unused land away from homes and water courses.

SAFETY DIRECTIONS

Product is poisonous if absorbed by skin contact, inhaled or swallowed. Repeated minor exposure may

have a cumulative poisoning effect. Obtain an emergency supply of Atropine tablets 0.6mg. Will irritate the eyes and skin. Avoid contact with eyes and skin. Do not inhale dust or spray mist. When opening the container, preparing the spray or using the prepared spray, wear cotton overalls buttoned to the neck and wrist, a washable hat, elbow-length PVC gloves and a face shield or goggles. 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 or goggles and contaminated clothing.

FIRST AID

If swallowed, splashed on skin or in eyes, or inhaled, contact a Poisons Information Centre (Phone Australia 131126) or a doctor at once. Remove any contaminated clothing and wash skin thoroughly. If swallowed, activated charcoal may be advised. Give atropine if instructed. If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor.

MATERIAL SAFETY DATA SHEET

Additional information is listed in the Safety Data Sheet available from www.cheminova.com.au

WARNING

This product must be used, handled and stored strictly as directed in accordance with this label, packaging and other reference material ("Directions"). To the extent permitted by law Cheminova Australia Pty Ltd and its related companies will have no liability for any injury, loss or damage arising from a failure to follow the Directions.

APVMA Approval No; 51513/0406

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UN No. 2783	ORGANOPHOSPHORUS	Class 6 TOXIC diamond
HAZCHEM 2X	PESTICIDE, SOLID, TOXIC	
PG III	(CONTAINS CHLORPYRIFOS)	