



Melpat International Pty Ltd

COPPOX[®]



Agricultural Fungicide/Bactericide
Active Constituent 500g/kg COPPER (Cu)
Present as COPPER OXYCHLORIDE

A wettable powder for the control of certain diseases in a variety of fruit and vegetable crops, as per the Directions for Use table.

DIRECTIONS FOR USE

Read this leaflet before using this product

GENERAL INSTRUCTIONS

Mixing

The recommended quantity should be added directly to the water in the spray vat with the agitators running. If this product is to be used in a mixture with an emulsifiable concentrate, add it after making the emulsion. After standing ensure agitation.

Compatibility

This product is compatible with wettable powder formulations of most commonly used fungicides, insecticides and miticides.

DO NOT MIX WITH LIME SULPHUR

Protection of Wildlife, Fish, Crustacea and Environment

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

Storage and Disposal

Store in the closed original container in a dry, well-ventilated area, as cool as possible and out of direct sunlight.

Wash out container adding rinsate to spray tank and dispose of empty container at an approved disposal site. Puncture or tear container before disposal.

KEEP OUT OF REACH OF CHILDREN

Safety Directions

May irritate eyes and skin. Avoid contact with eyes and skin. Wash hands after use.

First Aid

If poisoning occurs, contact a doctor or poisons information centre.

Limit of Liability

Melpat International Pty Ltd accepts no responsibility for the consistent quality of the product.

Melpat International Pty Ltd accepts no responsibility whatsoever for any damage, injury or loss following purchase and use of this product.

The extent of liability of Melpat International Pty Ltd is limited to the replacement of goods or a refund on the price paid. This being conditional upon a claim being made in writing and within 30 days of delivery/receipt of product.

This product must also be used in strict accordance with the directions as detailed on this label. The buyer accepts and uses this material with an understanding of the above conditions.

DIRECTIONS FOR USE

RESTRAINTS: • **DO NOT** spray this product when hot conditions (35°C) or frosts are likely to occur as damage can result. • **DO NOT** apply to copper shy varieties. • **DO NOT** apply to wet foliage. • **DO NOT** use this product during poor drying conditions.

Crop	Disease	State	Rate/100 litre	Critical Comments
Apricots	Shothole (<i>Stigmina carpophila</i>) Freckle (<i>Venturia carpophila</i>)	All states	250g or (3kg/ha)	Apply at bud swell but before the earliest sign of leaf bud development. Apply a minimum of 1 Post-Harvest spray.
Cherries Peaches Nectarines Plums	Shothole (<i>Stigmina carpophila</i>)	All states		Apply when buds are swelling but before and within one week of bud opening.
Almonds		Qld, Vic, Tas, SA & WA only		
Apricots Cherries	Bacterial gummosis (<i>Pseudomonas syringae</i>)	Qld, Vic, Tas, SA & WA only	250g	Autumn: Apply at 25-50% leaf fall and again at 90-100% leaf fall. Winter: Apply in mid-winter. Spring: Apply at first sign of bud movement and repeat application 7-10 days later.
		NSW, Vic, Tas, SA & WA only	150g	Apply 1 week after petal fall and repeat application 7-10 days later. These sprays control the leaf population of bacteria in mid to late spring.

Crop	Disease	State	Rate/100 litre	Critical Comments
Nectarines Peaches	Leaf Curl (<i>Taphrina deformans</i>)	All states	250g or (3kg/ha)	<p>Apply when buds are swelling but BEFORE AND WITHIN ONE WEEK OF BUD OPENING.</p> <p>Note:</p> <ol style="list-style-type: none"> 1. Time of bud opening varies on varietal difference & seasonal conditions. 2. Monitoring bud movement is therefore essential so as to identify precise/correct timing of application 3. Blocks containing more than 1 variety should be treated more than once & in line with correct timings for each variety. 4. For leaf curl, spraying times are: Autumn: apply at leaf fall; Spring: first sign of bud swell & repeat 7 days later. <p>CORRECT TIMING IS CRITICAL FOR EFFECTIVE CONTROL.</p>
Almonds		Qld, Vic, Tas, SA & WA only		
Apples Pears	Black Spot (scab) (<i>Venturia inaequalis</i>) Black Spot (scab) (<i>Venturia pirina</i>)	All states	250g or (3kg/ha) and Winter Oil	Spray at green tip and spur burst (where necessary). Repeat 10-14 days later if conditions favour infection, ie. extended wet weather. Consult Department of Agriculture spray charts for specific recommendations on timing, rates and precautions that may be necessary. Use with care on Copper-shy varieties.
Avocados	Anthracnose (<i>Glomerella congulata var minor</i>)	NSW, Qld, SA, Vic, NT only	250g or (3kg/ha)	Apply at 28-day intervals from flowering to harvest. When using low water volume sprayers do not use less than 300Lt/Ha.
Bananas	Cercospora Leaf Spot (<i>Cercospora musae</i>)	NSW, Qld & WA only	250g or (3kg/ha) + 600mL Summer Oil	Apply at 3-4 weekly intervals commencing December to May when weather conditions favour disease outbreak. Use sufficient water to ensure thorough coverage.

Crop	Disease	State	Rate/100 litre	Critical Comments
Beans	Common Blight (<i>Xanthomas Campestris pv. phaseoli</i>)	SA, Tas, Vic & WA only	250g or (2.5kg/ha)	Apply at first sign of infection or as a preventative spray. Repeat at 10 to 14 day intervals as necessary.
	Bacterial Brown Spot (<i>Pseudomonas syringae pv. syringae</i>).	All states & NT	250g or (2.5kg/ha)	Apply the first spray within three weeks of emergence & repeat every 10 to 14 days.
	Halo Blight (<i>Pseudomonas syringae pv. phaseolicla</i>)	SA, Tas, Vic & WA only	250g or (2.5kg/ha)	Apply at the first sign of disease or as a preventative spray. Repeat at 10 to 14 days.
		NSW, Qld & NT only	250-300g or (2.5-3.0kg/ha)	Apply at 10 to 14 day intervals from the time the crop is 15cm to 30cm high. Use a higher dose when conditions favour infection.
	Rust (<i>Uromyces spp</i>)	SA, Vic & WA only	250g or (2.5kg/ha)	Apply at the first sign of disease and repeat at 10 to 14 day intervals if necessary.
Chocolate Spot (<i>Botrytis spp</i>)				
Beans, Faba Beans	Rust (<i>Uromyces spp</i>)	SA, Vic & WA only	250g or (2.5kg/ha)	Apply at the first sign of disease & repeat at 10 to 14 day intervals while conditions allow infection.
	Chocolate Spot (<i>Botrytis spp</i>)			
Brassicas	Black Spot (<i>Xanthomas campestris</i>)	All states	250g or (2.5kg/ha)	Spray at first sign of disease and repeat at 10 to 14 day intervals when conditions favour disease. <u>Cabbages</u> : This product must not be applied to cabbages when frosts are likely to occur.
	Peppery leaf spot (<i>Pseudomonas syringae pv maculicola</i>)			
	Ring Spot (<i>Mycosphaerella brassicicola</i>)			
	Downy Mildew (<i>Peronospora parasitica</i>)			
Capsicums	Bacterial Spot (<i>Xanthomas michiganese</i>)	All states	250g or (2.5kg/ha)	<u>Seed Beds</u> : Apply every 7 days during wet weather. <u>Field Crops</u> : Apply at the first sign of disease & repeat at 7-14 day intervals. Use the shortest interval when conditions favour infection. These applications will reduce the spread of bacterial canker but will not control seed or soil-borne infection.
	Bacterial Canker (<i>Corynebacterium michiganese</i>)	Qld, SA, WA, Tas & NSW only		

Crop	Disease	State	Rate/100 litre	Critical Comments
Carrots	Leaf Spot (<i>Alternaria cercospora</i>)	All states	250g or (2.5kg/ha)	Apply when disease first appears. Repeat at 7-14 day intervals whilst conditions favour infection.
Celery	Leaf Spot (<i>Septoria apiicola</i>)	All states		Apply when disease first appears. Repeat at 7-14 day intervals. Use shorter interval when conditions favour infection.
	Early Blight (<i>Cercospora apii</i>)	NSW, Vic, SA, WA & NT only	250g or (2.5kg/ha)	
Citrus	Black Spot (<i>Phoma citricarpa</i>)	NSW, SA, Vic & WA only	175g plus Summer Oil	Apply at 50-75% petal fall. Use higher rate in coastal districts. <u>Caution:</u> Reduce frequency on copper shy varieties.
	Melanose (<i>Phoma citri</i>)			
	Black Spot (<i>Phoma citricarpa</i>)	Qld & NT only	200-300g plus 600mL Summer Oil	
	Melanose (<i>Phoma citri</i>)			
	Smoky Blotch (<i>Gloeodes pomigena</i>)			
	Scab (lemons) (<i>Elsinoe fawcettii</i>)			
Cucurbits i.e. Rockmelon Watermelon Cucumber	Angular Leaf Spot (<i>Pseudomonas syringae</i> pv. <i>Tachrymans</i>)	All states	250g or (2.5kg/ha)	Apply when disease first appears and repeat at 10 to 14 day intervals whilst conditions favour infection.
	Bacterial Leaf Spot (<i>Xanthomonas campestris</i> pv. <i>Cucurbitae</i>)			
Guavas	Anthracnose (<i>Collectrichum psidii</i>)	NSW & NT only	250g or (3kg/ha)	Good coverage to crop & foliage is essential. Apply to trees after hedging has occurred in October.
	Angular Leaf Spot (<i>Cephaleuros virescens</i>)			
Lettuce	Downy Mildew (<i>Bremia lactucae</i>)	All states	250g or (2.5kg/ha)	Spray thoroughly at first sign of disease & repeat every 7-10 days as necessary. Caution: do not apply if frosts are expected.
	Bacterial Leaf Spot (<i>Xanthomonas campestris</i> pv. <i>Vitians</i>)			
	Anthracnose (<i>Marssonina panationiana</i>)	SA, Tas, Vic, WA & NSW only		Apply on 7-10 day schedule.
Litchi	Parasitic algae (<i>Cephaleuros virescens</i>)	Qld & NSW only	400g + 20ml of a 100% wetting agent (or 4kg/ha)	Apply to affected trunk & limbs until run-off occurs. Apply monthly during the wet season.

Macadamias	Husk Spot (<i>Cercoseptoria spp.</i>)	Qld, NSW & NT only	250g or (3kg/ha)	Good spray penetration of foliage is essential. Apply from nut set (late September) to December. Apply at least 3 sprays at 3-4 week intervals.
	Anthrachnose Husk Rot (<i>Collectrichicum spp.</i>)			Good coverage inside the tree is essential. Spray from early summer (December) to May at monthly intervals.
	Pink Limb Blight (<i>Corticium salmonicolor</i>)			Good coverage of infected limbs is essential. Spray from early summer (December) to May at monthly intervals.
Mangoes	Bacterial Black Spot	Qld, NSW & WA only	250g or (3kg/ha)	Ensure good coverage. Apply every 4 weeks from early flowering to fruit set. Do NOT apply from a misting machine as coverage may not be adequate.
Onions	Downy Mildew (<i>Peronospora destructor</i>)	All states	250g or (2.5kg/ha)	Apply when disease first appears & repeat at 10-day intervals.
Ornamentals (Flowers & shrubs)	Fungal Leaf Spots, Downy Mildew	All states	300g or (3kg/ha)	Apply when disease first appears. Repeat at 7-14 day intervals as required. Small scale phytotoxicity tests are recommended as some varieties may be sensitive under certain conditions.
Passionfruit	Brown Spot (<i>Alternaria passiflorae</i>)	Qld only	200g or (2kg/ha)	Apply every 2 weeks (4 in NSW) from October to May, and 3-4 weeks (2 months in NSW) during winter.
	Septoria Spot (<i>Septoria passiflorae</i>)	NSW, Vic, SA, WA, Tas & NT only	300-400g or (3-4kg/ha)	
	Phytophthora Blight (<i>Phytophthora nicotianae</i>)	Qld & NSW	100g/L	Mix to smooth consistency. Apply to infected area after removing dead tissue. Repeat frequently until healing commences.
Parsnips	Leaf Spot (<i>Septoria spp.</i>)	SA, Vic & WA only	250g or (2.5kg/ha)	Apply when disease first appears & repeat at 10-14 day intervals while conditions favour infection.
Peas	Ascochyta Blight (<i>Ascochyta spp.</i>)	All states	250g or (2.5kg/ha)	Apply when disease first appears & repeat at 10-14 day intervals.
	Bacterial Blight (<i>Pseudomonas syringae pu. syringae</i>)			
Potatoes	Target Spot (<i>Alternaria solani</i>)	All states	220- 250g/100L or (2.5kg/ha)	Apply from crop emergence to crop maturity at 7-14 day intervals. Use the higher rate when conditions are particularly favourable to disease development.
	Irish Blight (<i>Phytophthora infestans</i>)			
Red Beet	Downy Mildew (<i>Peronospora farinose</i>)	All states	250g or (2.5kg/ha)	Apply at 10-14 day intervals, from the seedling stage until maturity, while conditions favour infection.
	Rust (<i>Uromyces betae</i>)			

Rhubarb	Crown Rot (<i>Phytophthora spp.</i>)	All states	250g or (2.5kg/ha)	Dip rhubarb crowns before planting.
	Downy Mildew (<i>Peronospora jaapiana</i>)			Apply at 14 day intervals whilst conditions allow infection.
Silver beet, Spinach	Downy Mildew (<i>Peronospora farinosa</i>)	All states	250g or (2.5kg/ha)	Apply at 10-14 day intervals, from the seedling stage until maturity, while conditions allow infection.
Strawberries	Leaf Spot (<i>Mycosphaerella fragariae</i>)	All states	250g or (2.5kg/ha)	Apply at 10-14 day intervals in wet weather or if conditions favour infection.
	Leaf Scorch (<i>Diplocarpon earleanum</i>)			
Tobacco seed beds	Wildfire, Angular Leaf Spot (<i>Pseudomonas syringae pv. tabaci</i>)	Qld, NSW & Vic only	400g/100L	Apply every 7 days.
	Algae	Qld only		Apply when algae first appears.
Tomatoes	Bacterial Spot (<i>Xanthomonas campestris pv. vesicatoria</i>)	All states	220-250g or (2.5kg/ha)	Commence spray applications at first sign of disease & repeat every 7-10 days depending on weather conditions & severity of disease.
	Bacterial Speck (<i>Pseudomonas syringae pv. tomato</i>)			Apply each 7 to 14 days depending on weather conditions & severity of disease.
	Bacterial Canker (<i>Corynebacterium michiganense</i>)			This product will reduce the spread of bacterial canker, but will not control seed or soil-borne infections.
	Target Spot / Early Blight (<i>Alternaria solani</i>)			Seedbeds: Apply each 7 days under wet weather conditions. Minimise use on seedlings to avoid retardation of growth.
	Septoria Leaf Spot (<i>Septoria spp</i>)			Use the higher rate when conditions are particularly favourable to disease development.
	Irish Blight / Late Blight (<i>Phytophthora infestans</i>)			
Vines	Downy Mildew (<i>Plasmopara viticola</i>)	WA, NSW, SA, Tas, Vic & Qld only	250g or (2.5kg/ha)	First apply when shoots are 10cm long. Repeat at 10-14 day intervals. Use shorter interval when conditions favour infection.
Walnuts	Walnut Blight (<i>Zanthomonas campestris pv. juglans</i>)	All states	300g/100L + 175ml Summer Oil, or (3kg/ha)	Apply at least three sprays at 7-10 day intervals. Commence application when the catkins are partially opened. Further applications would be necessary if conditions favour infection.

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

WITHHOLDING PERIOD: DO NOT HARVEST FOR ONE DAY AFTER APPLICATION