

CAUTION

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

MELPAT

BORDEAUX®

Fungicide

**ACTIVE CONSTITUENT 200 g/kg
COPPER (Cu) present as
tribasic copper sulphate**

GROUP **M1** FUNGICIDE

A water dispersible granular fungicide for the control
of fungal and bacterial diseases of fruit, as per
Directions for Use table.

READ THIS LEAFLET BEFORE USING THIS PRODUCT



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GENERAL INSTRUCTIONS:

Melpat Bordeaux Fungicide is a dry flowable fungicide that provides a pH neutral spray mix. Before opening, carefully read Directions For Use, Precautionary Statements, Safety Directions, and First Aid. This product is a protectant fungicide for the control of certain fungus and bacteria diseases in fruit.

MIXING: The recommended quantity may be added directly to water in spray tank with the agitators running. Never mix the product with water before pouring into the tank. Remove the sieve.

Fill 2/3 of the spray tank with water.

Turn the agitators on.

Add Melpat Bordeaux Fungicide directly to water in the spray tank with the agitators running.

Finish by filling the spray tank with water while the agitators are running, even if the spraying has stopped, until the application is complete.

If this product is to be used in mixture with an emulsifiable concentrate add it after making the emulsion. Keep agitating during use and agitate thoroughly after stoppage and before recommencing spraying.

APPLICATION:

Apply sufficient spray volume to wet leaf surfaces to the point of runoff. The spray equipment should be adjusted so that the spray is evenly distributed, thoroughly covering all plant surfaces. Hand-held spraying equipment should be avoided if it could result in an excessive application of sprayed product.

Tree Crops and Grape Vines

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 up the crop to the point of run-ff. 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-ff.
- 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 be then calculated in the following way:

EXAMPLE ONLY

1. Dilute spray volume as determined above: For example 1000 L/ha
2. Your chosen concentrate spray volume: For example 250 L/ha
3. The concentration factor in this example is: $4 \times$ (i.e. $1000 \text{ L}/250\text{L} = 4$)
4. If the dilute label rate is 250 mL/100L, then the concentrate rate becomes 4×250 , that is 1 L/100L of concentrate spray.
5. The chosen spray volume, amount of product per 100 L of water, and the sprayer set up and operation may need to be changed as the crop grows.

For further information on concentrate spraying, users are advised to consult relevant industry guidelines, undertake competency training and follow Industry Best practices.

Deciduous Fruit

Apply as a dilute or up to 2 times concentrate spray. Apply with an air-blast spray calibrated to deliver the required spray volume. The equipment should be adjusted so that the spray is evenly distributed through the trees. Preferably apply using a sprayer fitted with cone nozzles. Concentrate sprays should only be applied with sprayers specifically designed for this purpose.

Oranges

Apply only as a dilute spray. The spray equipment should be calibrated to deliver the required spray volume. The equipment should be adjusted so that the spray is evenly distributed through the trees.

Vines

Apply sufficient volume to wet all leaf surfaces to the point of run-off. Apply as a medium to fine spray preferably using cone nozzles. Air-blast sprayers are recommended for application to vines with very dense foliage.

COMPATIBILITY

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

FUNGICIDE RESISTANT WARNING

GROUP **M1** FUNGICIDE

Melpat Bordeaux Fungicide is a member of the Multi-site activity group of fungicides. For fungicide resistance management Melpat Bordeaux Fungicide is a group M1 fungicide.

Some naturally occurring individual fungi resistant to Melpat Bordeaux Fungicide and other Group M1 Fungicides may exist through normal genetic variability in any fungal population. The resistant individuals can eventually dominate the fungi population if these fungicides are used repeatedly. These resistant fungi will not be controlled by Melpat Bordeaux Fungicide and other Group M1 fungicides thus resulting in a reduction in efficacy and possible yield loss.

Since the occurrence of resistant fungi is difficult to detect prior to use, Melpat International Pty Limited accepts no liability for the losses that may result from the failure of Melpat Bordeaux Fungicide to control resistant fungi.

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 dry, cool, well-ventilated area out of direct sunlight and away from children, animals, food, feedstuffs, seed and fertilisers. Shake empty bags into the spray tanks. Do not dispose of undiluted chemicals on site. Break, crush or puncture and deliver empty packaging to an approved waste management facility. Do not burn empty containers or product.

SAFETY DIRECTIONS

Harmful if swallowed. Will irritate the eyes, nose, throat and skin. Avoid contact with eyes and skin. Avoid inhaling vapours or spray mist. When preparing the spray, wear cotton overalls buttoned to the neck and wrist, a washable hat, elbow-length PVC gloves and face shield or goggles. 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 poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia: 13 11 26). If skin contact occurs, remove contaminated clothing and wash skin thoroughly. 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 Material Safety Data Sheet, which can be obtained from the supplier.

CONDITIONS OF SALE

Melpat International Pty Ltd will not accept responsibility whatsoever or whosoever arising and whether for consequential loss or otherwise in connection with the sale, supply, use of these goods other than responsibility for the merchantable quality of the goods and such responsibilities mandatorily imposed by Statutes applicable to the sale or supply of these goods. To the extent allowed by such Statutes the liability of Melpat International Pty Ltd (company) is limited to the replacement of the goods (or at the option of the company) the refund of the price paid and is conditional upon claim being made in writing and where possible sufficient part of the goods to enable proper examination being returned to the company within thirty days of delivery.

IN A TRANSPORT EMERGENCY DIAL 000 POLICE OR FIRE BRIGADE	SPECIALIST ADVICE IN AN EMERGENCY DIAL 1800 033 111 ALL HOURS AUSTRALIA WIDE
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APVMA Approval No.: 62430/0309

DIRECTIONS FOR USE

RESTRAINTS:

- DO NOT spray this product when hot conditions (>35o C) or frosts occur as damage may result.
- DO NOT use this product on copper sensitive crops or varieties.
- DO NOT apply when slow drying conditions prevail.
- DO NOT apply to wet crops.
- DO NOT apply if rain is likely before the spray is dry.

Tree/Vine Crop	Disease	State	Dilute/Spraying Rate per 100L	Critical Comments
			For Concentrate Spraying refer to Application Section	For all uses in Tree & Vine crops: Apply by dilute or concentrate spraying equipment. Apply the same amount of product to the target crop whether applying this product by dilute or concentrate spraying methods. For concentrate spraying DO NOT use at rates greater than 5 times the dilute spraying rate.
Almonds	Leaf curl (<i>Taphrina deformans</i>)	All States	500 g	<p>CORRECT TIMING IS CRITICAL FOR EFFECTIVE CONTROL. Apply when buds are swelling but BEFORE AND WITHIN ONE WEEK OF BUD OPENING. For a given variety the timing of bud opening will vary from year to year, depending on the weather and in any year it will vary between varieties. Thus the bud development of each variety in the orchard should be monitored each year to determine the correct time of application. Blocks containing more than 1 variety may need to be treated more than once, to treat each variety at the correct time. Where Leaf Curl is or is likely to be a severe problem, based on previous experience, the following program should be followed:</p> <ol style="list-style-type: none"> 1. AUTUMN apply at leaf fall 2. Apply at FIRST SIGN of BUD SWELL and REPEAT ONE WEEK LATER. Apply by dilute or concentrate spraying equipment. Apply the same total amount of product whether applying this product by dilute or concentrate spraying methods.

Tree/Vine Crop	Disease	State	Dilute/Spraying Rate per 100L	Critical Comments
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Apricots	Bacterial gummosis (<i>Pseudomonas syringae</i>)	All States	625 g	Autumn: Apply at 3-5% leaf fall, 25-50% leaf fall and again at 90-100% leaf fall. Winter: Apply in mid-winter. Spring: Apply at first sign of bud movement. Repeat application 7 to 10 days later.
		NSW only	500 g	
		NSW, VIC, TAS, SA, WA only	312 g	
	Shothole (<i>Stigmina carpophila</i>) Freckle (<i>Venturia carpophila</i>)	All States	500 g	Apply a week after petal fall. Repeat application 7 – 10 days later. These sprays control the leaf population of bacteria in mid to late spring. Apply at bud swell but before the earliest sign of leaf/bud movement. Apply at least one post harvest spray.
Avocadoes	Anthraxnose (<i>Glomerella cingulata var. minor</i>)	All States	500 g	Spray every 4 weeks from flowering to harvest. During extended wet weather, spray every 14 days. When using as a concentrate spray apply in not less than 400 L of water/ha.
Cherries	Bacterial gummosis (<i>Pseudomonas syringae</i>)		625 g	Autumn: Apply at 3-5% leaf fall, 25-50% leaf fall and again at 90-100% leaf fall. Winter: Apply in mid-winter. Spring: Apply at first sign of bud movement. Repeat application 7 to 10 days later.
		NSW, only	500 g	
		NSW, VIC, TAS, SA, WA only	312 g	
	Shothole (<i>Stigmina carpophila</i>)	All States	500 g	Apply a week after petal fall. Repeat application 7-10 days later. These sprays control the leaf population of bacteria in mid to late spring. Apply at bud swell but before the earliest sign of leaf/bud movement.
Mangoes	Anthraxnose (<i>Glomerella sp</i>)		400 g	Spray every 4 weeks from flowering to harvest. During extended wet weather spray every 14 days. When using a concentrate spray, do not apply in less than 300 L/ha water. Use in rotation with fungicides with a different mode of action.
	Bacterial Black Spot (<i>Xanthomonas campestris cv mangiferaeindacae</i>)			Apply as a preventative spray. Repeat at 10 to 14 day intervals while conditions allow infection.
Nectarines Peaches	Leaf Curl (Taphrina deformans)		500 g	CORRECT TIMING IS CRITICAL FOR EFFECTIVE CONTROL. Apply when buds are swelling but BEFORE AND WITHIN ONE WEEK OF BUD OPENING. For a given variety the timing of bud opening will vary from year to year, depending on the weather and in any year it will vary between varieties. Thus the bud development of each variety in the orchard should be monitored each year to determine the correct time of application. Blocks containing more than 1 variety may need to be treated more than once, to treat each variety at the correct time. Where Leaf Curl is or is likely to be a severe problem, based on previous experience, the following program should be followed: 1. AUTUMN apply at leaf fall. 2. Apply at FIRST SIGN of BUD SWELL and REPEAT ONE WEEK LATER.

Tree/Vine Crop	Disease	State	Dilute/Spraying Rate per 100L	Critical Comments
			For Concentrate Spraying refer to Application Section	For all uses in Tree & Vine crops: Apply by dilute or concentrate spraying equipment. Apply the same amount of product to the target crop whether applying this product by dilute or concentrate spraying methods. For concentrate spraying DO NOT use at rates greater than 5 times the dilute spraying rate.
Nectarines Peaches continued	Shothole (<i>Stigmina carpophila</i>)	All States	500 g	Apply at bud swell but before the earliest sign of leaf/bud movement. Do not use a concentration factor greater than 2.
Oranges	Black Spot (<i>Guignardia citri-carpai</i>) Melanose (<i>Diaporthe citri</i>) Smoky Blotch (<i>Gloeodes pomigena</i>)	All States	500 g	Apply as a dilute application only. Spray at petal fall.
		QLD	As above 500g + 600 ml Polyphase or Miscible oil	Apply at 50 to 75 percent petal fall.
Pears	Black spot (scab) (<i>Venturia pirina</i>)	All States	500 g	Spray at green tip and repeat 10 to 14 days later if conditions allow infection. If conditions allow infection i.e. extended wet weather, consult local Department Spray Charts or authorities for specific recommendations on timing, rates and precautions that may be necessary. Before applying to recently introduced varieties ascertain their tolerance of copper sprays from relevant authorities. Do not use a concentration factor greater than 2.
Plums	Shothole (<i>Stigmina carpophila</i>)	All States	500 g	Apply at bud swell but before the earliest sign of leaf/bud movement. Do not use a concentration factor greater than 2.
Tomatoes	Bacterial Spot (<i>Xanthomonas campestris cv. vesicatoria</i>)		250 – 350 g	Apply at first sign of disease and repeat at 7 to 14 day intervals while conditions allow infection. The shortest interval should be used when conditions are very favourable for infection during wet weather and when inoculum levels are high. These applications will reduce the spread of bacterial canker but they will not control seed or soil borne infection. Use the higher rate under high disease pressure.
	Target Spot (<i>Alternaria solani</i>)		350 g	Apply at the first sign of disease and repeat at 10 to 14 day intervals while conditions allow infection.
Vines	Downy Mildew (<i>Plasmopara viticola</i>)		250 – 400 g	First spray when shoots are 10 cm long and re-apply as necessary, particularly when infection levels are high. Use the lowest rate only under conditions of low disease pressure. Use the higher rate when conditions are highly favourable for infection. Leaf damage may occur on 'copper shy' varieties. Do not use a concentration factor greater than 3.

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

WITHHOLDING PERIOD:

ALL CROPS: DO NOT HARVEST FOR 1 DAY AFTER APPLICATION.