

POISON

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

MELPAT

CAPTAN 800 WG

FUNGICIDE

ACTIVE CONSTITUENT:
800g/kg Captan

GROUP **M4** FUNGICIDE

For the control of certain diseases in a range of
fruit crops, turf & ornamentals as per the
DIRECTIONS FOR USE table.

NET CONTENTS: 5kg, 10kg

IMPORTANT: READ THIS LEAFLET BEFORE USE



MELPAT INTERNATIONAL PTY LTD

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Batch Number:

Date of Manufacture:

APVMA Approval No.: 65788/59424

GENERAL INSTRUCTIONS:

Fungicide Resistance Warning

GROUP **M4** FUNGICIDE

For fungicide resistance management, Melpat Captan 800 WG Fungicide is a Group M 4 fungicide. Some naturally occurring individual fungi resistant to the product and other Group M 4 fungicide may exist through normal genetic variability in any fungal population. The resistant individuals can eventually dominate the fungal population if this fungicide is used repeatedly. These resistance fungi will not be controlled by Melpat Captan 800 WG Fungicide or other Group M 4 fungicide, 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 Ltd accepts no liability for any losses that may result from the failure of Melpat Captan 800 WG Fungicide to control resistant fungi.

Mixing

Melpat Captan 800 WG Fungicide mixes readily with water and should not be pre-mixed. Slowly add the required amount of product to the water under agitation in the spray vat. Maintain agitation throughout spraying. After a stoppage, thoroughly re-mix before recommencing spray.

Compatibility and Crop Safety

Mixtures of Melpat Captan 800 WG Fungicide with commonly used wettable powders and suspension concentrate insecticides and fungicides should not cause any problems. Apart from the products listed below mixtures with emulsifiable concentrates are not recommended. If tank mixes are to be used observe all directions, precautions and limitations on all products to be used. Caution should also be exercised when spraying any mixtures on varieties of fruit trees or vines where there has been no previous experience of mixtures with Melpat Captan 800 WG Fungicide.

Melpat Captan 800 WG Fungicide is compatible with any one of the following products: Anvil, Bayfidan, Topaz, Penncap-M, Gusathion 200SC with or without calcium nitrate, Bugmaster Flowable, Confidor, Hymal, Insegar, Kumulus, Lebaycid, Lorsban, Mavrik, Aquaflow, Omite 300WG (apples only), Pirimor WG, Pyranica, Saboteur, Sanmite, Systhane.

A mixture of Melpat Captan 800 WG Fungicide with more than one of these products or with any other product may be ineffective or may cause serious damage. The use of such a mixture is not recommended without prior advice, and would therefore be entirely at the user's risk. If other mixtures or 3 way mixtures of any of these products are being considered consult your Melpat dealer or representative for advice.

Mixtures of Melpat Captan 800 WG Fungicide with Lorsban 500EC or Nimrod may leave an oily residue on the inside of spray vats which may be difficult to remove. Melpat Captan 800 WG Fungicide should not be combined with Bordeaux mixtures, spray lime, lime sulphur or oils. **DO NOT** apply Melpat Captan 800 WG Fungicide in combination with or within 14 days before or after winter or summer oil sprays. Combinations of Melpat Captan 800 WG Fungicide and sulphur should not be used on crops sensitive to sulphur.

Melpat Captan 800 WG Fungicide mixed with Folidol M500 may be phyto-toxic to many varieties of apples and pears. If it is necessary to use both Melpat Captan 800 WG and Folidol M500 in a spray program, sprays of these products must be at least 7 days apart.

On pears, tank mixes of Melpat Captan 800 WG Fungicide plus Omite 300WG and Melpat Captan 800 WG Fungicide and Gusathion (without calcium nitrate) plus Omite 300WG have been found to be phytotoxic. **DO NOT** tank mix these products, for use on pears

Caution should be taken when applying chemical mixtures to all crops. Varieties within crop groups may react differently therefore a small area should be tested prior to application to crop.

APPLICATION

Grounded application- these rates are for high volume spraying to point of run-off.

DO NOT apply by aircraft.

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 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 supplies water volumes less than those required to reach the point of run-off) and matched the crop being sprayed.
- Set up and operate the sprayer to achieve even coverage throughout the crop canopy using your chosen water volumes.
- 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 calculated in the following way.

Example only

1. Dilute spray volume as determined above: For example 1000L/ha
2. Your chosen concentrate spray volume: For example 500L/ha
3. The concentrate factor in this example is: $2 \times$ (i.e. $1000\text{L}/500\text{L} = 2$).
4. If the dilute label rate is 125g/100L, then the concentrate rate becomes 2×125 , that is 250g/100L of concentrate spray.
 - 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 crop grows.
 - **DO NOT** use concentrate rate higher than specified in the Critical Comments as crop safety has not been assessed.
 - For further information on concentrate spraying, users are advised to consult relevant industry guidelines, undertake appropriate competency training and follow industry Best Practices.

PRECAUTION

RE-ENTRY PERIOD

DO NOT allow entry into areas treated until spray has dried. When prior entry is necessary wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and chemical resistant gloves. Clothing must be laundered after each wash day's use.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

Dangerous to fish. **DO NOT** apply directly to water. **DO NOT** apply under meteorological conditions or from spraying equipment which could be expected to cause spray to drift onto water, or to areas where surface water is present. **DO NOT** contaminate surface water with the concentrated product, spray mix, rinsate, drainage water from glasshouses or the used containers.

STORAGE AND DISPOSAL

Store in the closed original container in a dry, cool, well-ventilated area out of direct sunlight. Store in a locked room or place away from children, animals, food, feedstuffs, seed and fertilisers. Avoid preparation of excess spray, but if necessary spray out excess mixed spray or dispose of in a soil pit which does not drain into waterways or ponds. Degradation of excess material may be hastened by making solutions alkaline with lime or washing soda.

Shake remainder into spray tank. **DO NOT** dispose of undiluted chemicals on site. Puncture and deliver empty packaging to an approved waste management facility. If an approved waste management facility is not available bury the empty packaging 500 mm below the surface in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots, in compliance with relevant Local, State or Territory government regulations. Do not burn empty containers or product.

SAFETY DIRECTIONS

Harmful if inhaled or swallowed. Will damage eyes. May irritate the skin, nose and throat. Avoid contact with eyes and skin. If product or spray in eyes, wash it out immediately with water. **DO NOT** inhale dust or spray mist. When opening the container, mixing and loading and preparing spray wear cotton overalls buttoned to the neck and wrist [or equivalent clothing] elbow-length pvc / nitrile gloves and face shield or goggles.

When using the prepared spray wear cotton overalls buttoned to the neck and wrist [or equivalent clothing] and elbow length rubber gloves. Repeated exposure may cause allergic disorders. Sensitive workers should use protective clothing. Wash hands after use. After each day's use, wash gloves, goggles and contaminated clothing.

FIRST AID

If poisoning occurs, contact a doctor or poisons information centre. Telephone: Australia 13 11 26.

MATERIAL SAFETY DATA SHEET

Additional information is listed in the Material Safety Data Sheet which is available on the Melpat website. www.melpat.com.au

CONDITIONS OF SALE

The use of Melpat Captan 800 Fungicide being beyond the control of the manufacturer, no warranty expressed or implied is given by Melpat International 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 Melpat International Pty Ltd accepts no responsibility for any consequences whatsoever resulting from the use of this product.

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DIRECTIONS FOR USE

RESTRAINTS:

DO NOT apply this product by aircraft

TREE AND VINE CROPS

RATE					CRITICAL COMMENTS
In the following table, all rates are given for dilute spraying. For concentrate spraying, refer to the Mixing/Application section.					For all uses in this table apply by dilute or concentrate spraying equipment. Apply the same total amount of product to the target crop whether applying this product by dilute or concentrate spraying methods.
CROP	DISEASE	STATE	RATE/100L	WHP	DO NOT use at concentrate rates greater than 250g/100L water.
Almonds	Anthraxnose (<i>Colletotrichum acutatum</i>) Blossom blight (<i>Monolinia laxa</i>) Shot hole (<i>Wilsonomyces carpophilum</i>)	NSW, Vic & SA only	Dilute spraying 200g/100L (maximum spray volume 2000L/ha) Concentrate spraying Refer to the Mixing/Application section		Apply a total of 3 applications commencing at petal fall followed by applications at 2-3 week and 4-5 week intervals after the start of petal fall. Use the shorter intervals under higher disease pressure. Captan 800 WG should be used as part of an integrated control program, using applications of other approved fungicides. DO NOT APPLY AFTER THE END OF PETAL FALL. DO NOT GRAZE ANY TREATED AREA OR CUT FOR STOCK FOOD.
Apples	Black Spot (<i>Venturia inaequalis</i>)	All States	Dilute spraying 125g/100L Concentrate spraying Refer to the Mixing/Application section	7 Days	Apply from pink stage onwards following a copper spray at green tip, then at 7 day intervals until petal fall. After petal fall apply as a cover spray at 10-14 day intervals. The risk of russet may be increased in some varieties. Where this is of concern use alternative materials between full bloom and second cover. Apply to point of run-off. Apply no more than five applications per season.
Pears	Black Spot (<i>Venturia pirina</i>)				
Grapes	Black Spot (<i>Elsinoe ampelina</i>)				
	Grey Mould (<i>Botrytis cinerea</i>)	Apply in a program of sprays applied at early flowering, 80-100% cap fall, pre-bunch closure, veraison and pre-harvest. Apply to point of run-off. Apply no more than five applications per season.			
	Downy Mildew (<i>Plasmopara viticola</i>)	Apply from flowering onwards, at intervals of 10-14 days. Apply to point of run-off. Apply no more than five applications per season.			
	Phomopsis Cane and Leaf Blight (<i>Phomopsis viticola</i>)	Commence application at early bud-burst and repeat at 7 to 14 day intervals until prior to flowering to maintain a cover of new grape foliage. Apply no more than 5 applications per season. Use the shorter application interval where there is a rapid shoot growth and conditions are favourable for phomopsis infection (wet weather). Adjust spray application equipment to obtain a thorough coverage of grape buds and shoots.			

CROP	DISEASE	STATE	RATE/100L	WHP	CRITICAL COMMENTS
Stone fruit (except apricots)	Blossom Blight and Brown Rot (<i>Sclerotinia laxa</i> , <i>S. fructicola</i>)	All States	Dilute spraying 125g/100L Concentrate spraying Refer to the Mixing/ Application section	7 Days	Apply at any of the following times as part of a spray program to control blossom blight and brown rot- pink bud, 10% blossom, full bloom, petal fall and shuck fall and pre-harvest sprays at 6, 3 and 1 week prior to harvest. Apply to point of run-off. Apply no more than five applications per season. DO NOT apply to apricots as damage to fruit and foliage may occur.
NON TREE AND VINE CROPS					
Strawberries	Grey Mould (<i>Botrytis cinerea</i>) Gloeosporium Fruit Rot	All States	125g/100L	1 Day	Apply every 10 days commencing at blossom stage. Apply to point of run-off. Apply no more than five applications per season.
	Phytophthora Fruit Rot (<i>Phytophthora nicotianae</i> var <i>parasitica</i>), Black Spot (<i>Anthraco</i>) (<i>Colletotrichum acutatum</i>), Scorch (<i>Diplocarpon earlianum</i>), Leaf Blight (<i>Dendrophoma obscurans</i>)		200g		
Turf	Brown Patch (<i>Rhizoctonia solani</i>)		100-150g in 25-50L water/ 100m ² turf		For preventive treatment from September to April, apply every 5-6 weeks. Apply no more than five applications per season.
Seedlings (Ornamentals and Tobacco)	Damping off (<i>Pythium spp.</i>)		125g		Use 3 L of solution per m ² of seedbed. Apply every 7-14 days when weather conditions favouring the disease persists, paying particular attention to bases of seedlings. When treating tobacco seedbeds, wait until seedlings are at least 5 cm high.
Roses	Black Spot (<i>Diplocarpon rosae</i>)		125g		Apply to thoroughly wet both surfaces of foliage. Apply every 7-14 days. Use the shorter interval during showery weather. Apply no more than five applications per season.

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

THIS PRODUCT SHOULD NOT BE APPLIED BY AIRCRAFT.

WITHHOLDING PERIOD (HARVEST):

STRAWBERRIES: DO NOT HARVEST FOR 1 DAY AFTER APPLICATION.

APPLES, PEARS, GRAPES, STONE FRUIT: DO NOT HARVEST FOR 7 DAYS AFTER APPLICATION.

ALMONDS: NOT REQUIRED WHEN USED AS DIRECTED.

WITHHOLDING PERIOD (GRAZING):

APPLES, PEARS, GRAPES, STONE FRUIT: DO NOT USE TREATED PRODUCE FOR STOCK FOOD WITHIN 7 DAYS OF TREATMENT.

ALMONDS: DO NOT GRAZE ANY TREATED AREA OR CUT FOR STOCK FOOD.

DO NOT USE TREATED PRODUCE FOR STOCK FOOD WITHIN 7 DAYS OF TREATMENT.