

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

FMC
CAPTAN 900
FUNGICIDE

ACTIVE CONSTITUENT: 900g/kg CAPTAN

GROUP	M4	FUNGICIDE
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For the control of certain diseases in a range of fruit crops, turf and ornamentals as specified in the directions for use table.

NET CONTENTS: 10KG
(5kg)

FMC Crop Protection Pty Ltd

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Technical Enquiries: 1800 901 939

DIRECTIONS FOR USE

RESTRAINTS:

DO NOT apply with aircraft.

Tree and Vine Crops

Rate In the following table, all rates are given for dilute spraying. For concentrate spraying, refer to the Mixing/Application section.					Critical Comments 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	States	Rate/100L	WHP	
Apples	Black spot (<i>Venturia inaequalis</i>)	All States	Dilute spraying 110g/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. Do not use at concentrate spray rates greater than 5X the dilute application rate.
Pears	Black spot (<i>Venturia pirina</i>)	All States		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. Do not use at concentrate spray rates greater than 5X the dilute application rate.
Grapes	Black spot (<i>Elsinoe ampelina</i>)	All States		7 days	Apply at 50% bud-burst and repeat application 10-14 days later. Apply to point of run-off. Apply no more than five applications per season. Do not use at concentrate spray rates greater than 5X the dilute application rate.
	Grey mould (<i>Botrytis cinerea</i>)		Apply in a program of sprays applied at early flowering, 80- 100% cap fall, pre-bunch closure, veraisson and pre-harvest. Apply to point of run-off. Apply no more than five applications per season. Do not use at concentrate spray rates greater than 5X the dilute application rate.		

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Crop	Disease	States	Rate/100L	WHP	
Grapes	Downy mildew (<i>Plasmopara</i> (<i>Plasmopara</i> <i>a viticola</i>))	All States	Dilute spraying 110g/100L Concentrate spraying Refer to the Mixing/ Application section	7 days	Apply from flowering onwards, at intervals of 10-14 days. Apply to point of run-off. Apply no more than five applications per season. Do not use at concentrate spray rates greater than 5X the dilute application rate.
	Phomopsis Cane and Leaf Blight (<i>Phomopsis viticola</i>)				Commence application at early budburst 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 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. Do not use at concentrate spray rates greater than 5X the dilute application rate.
Stone Fruit (Except apricots)	Blossom blight and Brown rot (<i>Sclerotinia laxa</i> , <i>S. fructicola</i>)	All States		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. Do not use at concentrate spray rates greater than 2X the dilute application rate.

DIRECTIONS FOR USE
Non-Tree and Vine Crops

Crop	Disease	States	Rate /100L	WHP	Critical Comments
Strawberries	Grey mould (<i>Botrytis cinerea</i>) Gloeosporium fruit rot	All States	110g	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 (Anthracnose), (<i>Colletotrichum acutatum</i>) Scorch (<i>Diplocarpon earlianum</i>) Leaf blight (<i>Dendrophoma obscurans</i>)		180g		
Turf	Brown patch (<i>Rhizoctonia solani</i>)	All States	90- 135g in 25-50 litres of water for each 100m2 of turf	-	For preventative treatment from September to April, apply every 5-6 weeks. Apply no more than five applications per season.
Seedlings (Ornamentals & Tobacco)	Damping-off (<i>Pythium</i> spp)	All States	110g	-	Use 3 litres of solution per m2 of seedbed. Apply weekly-fortnightly when weather conditions favouring the disease persists, paying particular attention to bases of the seedlings. When treating tobacco seedbeds wait until seedlings are at least 5cm high.
Roses	Black spot (<i>Diplocarpon rosae</i>)	All States	110g	-	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:

STRAWBERRIES:

APPLES, GRAPES, PEARS, STONE FRUIT:

**DO NOT HARVEST FOR 1 DAY AFTER
 APPLICATION**

**DO NOT HARVEST FOR 7 DAYS AFTER
 APPLICATION**

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

GENERAL INSTRUCTIONS

Fungicide Resistance Warning

GROUP	M4	FUNGICIDE
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For fungicide resistance management the product is a Group M4 fungicide.

Some naturally occurring individual fungi resistant to FMC Captan 900 Fungicide and other Group M4 fungicides may exist through normal genetic variability in any fungal population. The resistant individuals can eventually dominate the fungal population if these fungicides are used repeatedly. These resistant fungi will not be controlled by FMC Captan 900 Fungicide or other Group M4 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, FMC Australasia Pty Ltd accepts no liability for any losses that may result from the failure of FMC Captan 900 Fungicide to control resistant fungi.

Mixing

FMC Captan 900 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 spraying.

FMC Captan 900 Fungicide degrades rapidly in high pH solutions. Therefore the addition of a buffering agent such as Primabuff® Biodegradable Adjuvant to the spray solution is recommended when mixing FMC Captan 900 Fungicide in alkaline water.

Compatibility and Crop Safety

Mixtures of FMC Captan 900 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 FMC Captan WG.

FMC Captan 900 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® Aquaflo, Omite®300WG (apples only), Pirimor® WG, Pyranica®, Saboteur®, Sanmite®, Systhane®.

A mixture of FMC Captan 900 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 FMC dealer or representative for advice.

Mixtures of FMC Captan 900 Fungicide with Lorsban® 500EC or Nimrod® may leave an oily residue on the inside of spray vats which may be difficult to remove.

FMC Captan 900 Fungicide should not be combined with Bordeaux mixture, spray lime, lime sulphur or oils. Do not apply FMC Captan 900 Fungicide in combination with or within 14 days before or after winter or summer oil sprays. Combinations of captan and sulphur should not be used on crops sensitive to sulphur.

FMC Captan 900 Fungicide mixed with Folidol® M500 may be phytotoxic to many varieties of apples and pears. If it is necessary to use both FMC Captan 900 Fungicide and Folidol M500 in a spray program, sprays of these products must be at least 7 days apart.

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

For ground 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 the 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 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 then be 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 500 L/ha.
3. The concentration 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 100L of water, and the sprayer set up and operation may need to be changed as the crop grows. Do not use at a concentration rate higher than that 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 Periods**

Do not allow entry into treated areas until the 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 day's use.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

Very toxic to aquatic life. DO NOT contaminate wetlands or watercourses this product or 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. Triple rinse or preferably pressure rinse containers before disposal. Add rinsings to spray tank. Do not dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush or puncture and bury empty containers in a local authority landfill. If no landfill is available, bury the containers 500mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.

SAFETY DIRECTIONS

Harmful if inhaled or swallowed. Will damage Eyes. May irritate the Skin. May irritate the 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 and a washable hat (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 and a washable hat (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. Phone Australia 13 11 26.

MATERIAL SAFETY DATA SHEET

For further information, refer to the Material Safety Data Sheet (MSDS), which is available from the supplier.

WARRANTY

FMC Australasia Pty Ltd makes no warranty expressed or implied, concerning the use of this product other than that indicated on the label. Except as so warranted the product is sold as is. Buyer and user assume all risk of use and/or handling and/or storage of this material when such use and/or handling and/or storage is contrary to label instructions.

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IN EMERGENCY DIAL 000, POLICE OR FIRE BRIGADE	FOR SPECIALIST ADVICE IN AN EMERGENCY CALL 1800 033 111 (24 HOURS)
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DOM.:

BATCH NO:

APVMA Approval No: 68839/60127

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