

CAUTION

KEEP OUT OF REACH OF CHILDREN

READ SAFETY DIRECTIONS BEFORE OPENING OR USING



MANCOZEB 750 WG
FUNGICIDE

ACTIVE CONSTITUENT: 750 g/kg MANCOZEB

GROUP M3 FUNGICIDE

For the control of certain fungus diseases of fruit, field crops, tobacco, turf, vegetables and ornamentals as per the Directions for Use Table.

IMPORTANT: READ THIS LEAFLET BEFORE USE

4 FARMERS AUSTRALIA PTY LTD

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Batch Number:

Date of Manufacture:

Expiry Date:

APVMA APPROVAL No: 67550/56343

DIRECTIONS FOR USE:

Restraints: DO NOT incorporate this product with an Integrated Mite control programme.

CROPS	DISEASE CONTROLLED	STATES	RATE PER HA	RATE PER 100 L	WHP DAYS	CRITICAL COMMENTS
Bananas	Leaf Spot	Qld, NSW, WA only	2.2 to 4.5 kg/ha plus 3.5 to 4.2 L/ha miscible summer oil	200 g plus 600 mL miscible summer oil	7 days	Apply when weather conditions favour disease outbreak. Repeat treatments in accordance with locally recommended spray schedules. Use sufficient water to ensure good coverage. NSW: Ground application – Apply at 3 week intervals from December or January until May. South Qld: Apply at 3 week intervals from December or January until May North Qld: Apply every 2 weeks during the wet season. Extend to 3 weeks after this and then every 4 to 5 weeks during the drier months returning to 3 weeks prior to the next wet season.
	Leaf Speckle		2.2 kg	200 g		
	Cordana Leaf Spot, Fruit Speckle, Black Pit	Qld only	2.2 kg	200 g		
Beans	Rust and Anthracnose	All States	1.7 to 2.2 kg/ha	150 to 200 g	7 days	Apply when disease first appears and repeat treatment at 7-10 day intervals. Under severe disease conditions, use shorter spray intervals and higher rate of application.
	Angular Leaf Spot	Qld, NSW, WA only	1.7 to 2.2 kg/ha	150 to 200 g	7 days	Spray when leaves, flowers, or pods on plants first show signs of infection and weather conditions are likely to remain humid or wet and favour disease development. If disease pressure is severe and weather conditions favour the spread of disease, repeat the spray treatment at 2-3 week intervals in order to protect new growth and developing pods. Use the higher rate for dense crops and if disease is severe. Repeat more frequently if severe disease persists. For ground equipment apply 100 L/ha; for aircraft apply at least 30 L/ha.
Broadbeans (including Faba beans)	Chocolate spot (<i>Botrytis fabae</i>)	NSW, Tas, Vic, SA, WA only	1.7 to 2.5 kg			
	Suppression of Leaf Blight (<i>Ascochyta fabae</i>)	NSW, Tas, Vic, SA, WA only				
	Rust (<i>Uromyces viciae-fabae</i>)	NSW, Tas, Vic SA, WA only	1.7 to 2.2 kg			
Carrots	Cercospora Leaf Spot, Alternaria Leaf Spot	All States	1.7 to 2.2 kg	150 to 200 g	7 days	Spray at first sign of disease, then at 7-10 day intervals. Use the higher rate and shorter spray interval during weather conditions favourable to disease development.
Celery	Septoria Leaf Spot	All States	1.7 to 2.2 kg/ha		7 days	
Chrysanthemum, Gladioli	Botrytis, Septoria Leaf Spot	All States	150 to 200 g/100 L		–	
Citrus	Black Spot	Qld, NSW, Vic, SA, Tas, WA only	–	Dilute Spraying: 200 g/100 L Concentrate spraying: Refer to the mixing/application section	–	Apply by dilute spraying equipment. On Heavy Soil: Add 250 mL miscible summer oil. Spray at 8 and 15 weeks following a Bordeaux spray (5-5-100) at petal fall. On Light Soil: Spray at 6 and 13 weeks following a Bordeaux spray (3.5-3.5-100) at petal fall. Add 250 mL miscible summer oil plus 12 mL wetting agent at petal fall. Qld: Add 600 mL miscible summer oil and apply at 6 and 12 weeks after petal falling following Bordeaux mixture of 8-8-100. Apply the same total amount of product to the target crop whether applying by dilute or concentrate spraying methods.
	Citrus Rust Mite, Brown Citrus Mite	Qld only				Apply at first sign of mite activity, usually between December and May. Apply by dilute spraying equipment. Apply the same total amount of product to the target crop whether applying by dilute or concentrate spraying methods.
	Citrus Bud Mite					Apply when blossom malformation is observed, usually February. Apply by dilute spraying equipment. Apply the same total amount of product to the target crop whether applying by dilute or concentrate spraying methods.
Cucumber) Pumpkin) Cantaloupes) Melons) Zucchini) Squash)	Downy Mildew Anthracnose Gummy Stem Blight	All States	1.7 to 2.2 kg	150 to 200 g	7 days	Apply when disease symptoms first appear and then repeat at 7-10 day intervals. Use higher rate and shorter intervals during weather conditions favourable to disease development.
Pumpkin	Septoria Leaf Spot	Qld only				
Lettuce	Downy Mildew Anthracnose Septoria Leaf Spot	All States			14 days	
Grapevines	Downy Mildew	Qld, NSW, ACT, Vic, Tas, SA, WA only	–	Dilute Spraying: 200 g/100 L Concentrate spraying: Refer to the mixing/application section	30 days	Apply by dilute spraying equipment. For Blackspot control apply every 10-14 days starting at bud burst. If downy mildew is expected, continue spray programme at intervals of 10-14 days until the threat of disease has passed. Use the shorter spray interval during weather conditions favourable to disease development. Apply the same total amount of product to the target crop whether applying by dilute or concentrate spraying methods.
	Black Spot					
Onions	Downy mildew	All States	2.2 to 3.5 kg/ha	150 to 200 g	7 days	Apply when disease symptoms first appear and then repeat at 7-10 day intervals. Use higher rate and shorter intervals during weather conditions favourable to disease development.
	Purple blotch	Qld, NSW, WA only				
Mangoes	Anthracnose (<i>Collectotrichum gloeosporioides</i>)	Qld, WA only	–	Dilute Spraying: 200 g/100 L Concentrate Spraying: Refer to the mixing/application section	14 days	Apply by dilute spraying equipment. Spray at weekly intervals during flowering then monthly until near harvest. Apply the same total amount of product to the target crop whether applying by dilute or concentrate spraying methods.
Passionfruit	Septoria Leaf Spot, Brown Spot (<i>Alternaria passiflorae</i>)	Qld only	–	Dilute Spraying: 150 g/100 L Concentrate spraying: Refer to the mixing/application section	14 days	Apply by dilute spraying equipment. Apply at 10-14 day intervals from October to May and every 21-28 days for remainder of year. Apply the same total amount of product to the target crop whether applying by dilute or concentrate spraying methods.
Peanuts	Cercospora Leaf Spot, Peanut Rust	NSW, Qld, WA only	1.7 kg to 2.2 kg	–	14 days	Apply at interval of 10-14 days, starting when the disease symptoms first appear. If rust is anticipated, apply at 7 to 10 day intervals. Use the higher rate and shorter spray interval during weather conditions favourable to disease development. Do not graze livestock on peanut crops treated with this product or feed treated crops and/or trash to livestock.

CROPS	DISEASE CONTROLLED	STATES	RATE PER HA	RATE PER 100 L	WHP DAYS	CRITICAL COMMENTS
Pome Fruit, Apples and Pears	Black Spot, Bitter Rot, Target Spot, Fly Speck, Sooty Blotch	All States	–	Dilute Spraying: 150 g to 200 g/100 L Concentrate spraying: Refer to the mixing/ application section	14 days	Apply by dilute spraying equipment. Apply at 7-14 day intervals following a cover copper spray at green tip. Use higher rate or shorter interval between sprays where conditions favour disease. Apply the same total amount of product to the target crop whether applying by dilute or concentrate spraying methods.
Potatoes	Early and Late Blight	All States	1.7 to 2.2 kg	150 to 200 g	7 days	Apply when disease symptoms first appear and then repeat at 7-10 day intervals. Use higher rate and shorter intervals during weather conditions favourable to disease development.
Roses	Black Spot	All States	150 to 200 g/100 L		–	
Stone fruit Peaches Apricots Plums (except Wilson) Nectarines Almonds Cherries	Rust, Shot Hole, Freckle Brown Rot	All States Vic, Tas, SA, NSW, WA only SA, Tas, WA only SA only Tas, Vic, WA only	–	Dilute Spraying: 150 g to 200 g/100 L Concentrate Spraying: Refer to the mixing/ application section	14 days	Apply by dilute spraying equipment. Spray at early bloom (1-10%), mid to full bloom (50-100%), petal fall and shuck fall, then at intervals of 14 days. Continue with a protective spray programme at 2 week intervals. Apply the same total amount of product to the target crop whether applying by dilute or concentrate spraying methods.
Tobacco (Field)	Blue Mould, Brown Spot Frog Eye Leaf Spot	Qld, NSW, Vic, WA only Qld only	2.2 kg 2.1kg	200 g 200g	7 days	Field treatment: Apply at 7 day intervals commencing 10 days after transplanting and ceasing 7 to 10 days before the first harvest. Increase spray volume accordingly as plant size increases. Seed bed treatments: Apply when seedlings are 1.5 cm across and then repeat twice weekly. Wet the seedlings evenly without run-off.
Tomatoes	Early and Late Blight, Leaf Mould, Anthracnose Grey Leaf Spot Phoma Rot	All States NSW, Qld, WA only	2 to 3 kg	150 to 200 g	14 days	Apply when disease symptoms first appear and then repeat at 7-10 day intervals. Use higher rate and shorter intervals during weather conditions favourable to disease development.
Turf	Helminthosporium, Fusarium, Rhizoctonia	All States	200-250 g/100 m ²		–	Apply as a protective spray schedule at 7 day intervals throughout the susceptible season. Use sufficient water to ensure adequate coverage. Do not feed grass clippings from treated areas to poultry or animals.
VEGETABLES Beetroot) Silver Beet) Spinach) Brussels Sprouts) Cabbage) Cauliflowers) Broccoli Rhubarb	Cercospora Leaf Spot, Downy Mildew Downy Mildew, Anthracnose, Alternaria Spot, Ring Spot Rust Downy Mildew	All States NSW, WA, Tas, SA, Qld only Tas only All States	1.7 to 2.2 kg	150 to 200 g	14 days 7 days 14 days	Apply when disease symptoms first appear and then repeat at 7-10 day intervals. Use higher rate and shorter intervals during weather conditions favourable to disease development.

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

WITHHOLDING PERIODS:

BANANAS, BEANS, BRUSSELS SPROUTS, BROCCOLI, CABBAGE, CANTALOUPE, CARROTS, CAULIFLOWER, CELERY, CUCUMBER, MELON, ONIONS, POTATOES, PUMPKIN, SOYBEANS, SQUASH, TOBACCO, ZUCCHINI:
DO NOT HARVEST FOR 7 DAYS AFTER APPLICATION.

ALMONDS, APPLES, APRICOTS, BEETROOT, CITRUS, LETTUCE, MANGOES, NECTARINES, PASSIONFRUIT, PEACHES, PEANUTS, PEARS, PLUMS, RHUBARB, SILVER BEET, SPINACH, TOMATOES:
DO NOT HARVEST FOR 14 DAYS AFTER APPLICATION.

GRAPE: DO NOT HARVEST FOR 30 DAYS AFTER APPLICATION.

DO NOT FEED GRASS CLIPPINGS FROM TREATED AREAS TO POULTRY OR ANIMALS.

GENERAL INSTRUCTIONS

This product is a protectant fungicide for the certain diseases of many crops. For best results, apply as a regular spray programme. Thorough coverage of the treated crop is essential.

APPLICATION

Dilute spraying:

- Use a sprayer designed to apply high volumes of water up to the point of run-off.
- 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 required amount of product specified in the Directions for Use for each 100 L of water. Spray to the point of run-off.
- The required dilute spray volume will change as 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. E.g. Low volume air blast
- Set up and operate the sprayer to achieve even coverage throughout the crop canopy using your chosen water volume.
- Determine the appropriate dilute spray (see dilute spraying above) for 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:

- Dilute spray volume as determined above: For example 1500 L/ha
 - Your chosen concentrate spray volume: For example 500 L/ha
 - The concentration factor in this example is: 3 x (i.e. 1500 L / 500 L = 3)
 - If the dilute label rate is 10 mL/ 100 L, then the concentrate rate becomes 3 x 10, that is 30 mL/100 L 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 the crop grows.
 - For further information on concentrate spraying, users are advised to consult the relevant industry guidelines, undertake appropriate competency training and follow industry Best Practices.

For fruit trees and some row crops apply as a high volume dilute spray.

The spray volume will vary according to the type of crop to be treated and should be increased in heavy growth and on large plants to ensure thorough coverage. The spray volume should also be increased as the size of treated crops increases throughout the growing season. As a guide for mature crops (Dilute volumes only). Otherwise the application rate should be determined using the dilute spraying instructions above.

Crops	Spray volume
Bananas, Tobacco, Vines and other row crops	200 to 1100 L/ha
Pome and Stone fruit	1100 to 4000 L/ha
Citrus	4000 to 8000 L/ha

Aerial Application

Use at least 30 to 50 L/ha of spray mixture per hectare. (Refer to the Directions for Use table).

Spray timing

Treatments should begin prior to disease infection and continue until the threat of disease passes.

Repeat applications may be required to protect new growth. Reduce the spray interval when weather conditions favour disease development.

FUNGICIDE RESISTANCE WARNING

GROUP M3 FUNGICIDE

4Farmers Mancozeb 750 WG Fungicide is a member of the multi-site activity group of fungicides. For fungicide resistance management 4Farmers Mancozeb 750 WG Fungicide is a group M3 Fungicide. Some naturally occurring individual fungi resistant to 4Farmers Mancozeb 750 WG Fungicide and other Group M3 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 4Farmers Mancozeb 750 WG Fungicide and other Group M3 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, 4Farmers Pty Ltd accepts no liability for any losses that may result from the failure of 4Farmers Mancozeb 750 WG Fungicide to control resistant fungi.

Mixing

Add the required amount of this product to the spray tank as it is being filled or premix for concentrate and aerial spraying. Add other products after 4Farmers Mancozeb 750 WG Fungicide is in suspension. Continue agitation while spraying to prevent product settling out. Rinse out spray tank, pumps, and nozzles at the end of the day.

COMPATIBILITY

This product may be harmful to *Typhlodromus pyri* and its use in orchards where integrated pest control is practiced should be avoided.

4Farmers Mancozeb 750 WG Fungicide is compatible with most commonly used insecticides and miticides such as Azinphos, Carbaryl, Dicofol, Endosulfan, Pirimicarb, Propargite, Sulphur Power, Wetting Agent or Spreader-Sticker. Also compatible with D-C-Tron.

The user is advised to check the label recommendation for the companion product before preparing tank mixes.

Surfactants

The addition of a surfactant will improve initial spray deposits, fungicide redistribution and weatherability. Refer to manufacturers label instructions for further details.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

Dangerous to fish. DO NOT contaminate streams, rivers or waterways with the chemical or used container.

STORAGE AND DISPOSAL

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

Shake bag contents into spray tank until bag is empty. DO NOT dispose of undiluted chemicals on site. Puncture or shred and bury empty containers in local authority landfill. If no landfill is available, bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty bags and product should not be burnt.

SAFETY DIRECTIONS

May irritate the eyes, nose, throat and skin. Avoid contact with eyes and skin. DO NOT inhale dust or spray mist. Wash hands after use.

FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia: 13 11 26).

SAFETY DATA SHEET

For further information please refer to the Safety Data Sheet. For a copy visit our website at www.4farmers.com.au

NOTICE TO BUYER

The use of 4Farmers Mancozeb 750 WG Fungicide being beyond the control of the manufacturer, no warranty expressed or implied is given by 4Farmers 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 4Farmers Pty Ltd accepts no responsibility for any consequence whatsoever resulting from the use of this product.

In a Transport Emergency Dial 000 Police or Fire Brigade	Special Poisons Advice: 13 11 26
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