



**orion** AGRISCIENCE



# Manco<sup>TM</sup>

## 75WG

# FUNGICIDE

For the control of fungal diseases in a wide range of crops.

**Active Ingredient:**

750 g/Kg mancozeb in the form of a water dispersible granule.

**10 kg**



# PLEASE READ THE LABEL COMPLETELY BEFORE USE

**HAZARD CLASSIFICATION: 6.3B, 6.4A, 6.5B, 6.9B, 9.1A**

**WARNING: ECOTOXIC**

Harmful: May cause eye and mild skin irritation. May cause sensitisation from prolonged skin contact. May cause organ damage from repeated ingestion at high doses. Very toxic to aquatic organisms.

**PRECAUTIONS**

**APPROVED HANDLER:** This product must be under the control of an approved handler during use.  
**STORAGE:** Keep out of reach of children. Store in the original packaging in a cool, dry, secure and well ventilated area away from foodstuffs. Storage of certain quantities of this product trigger specific storage requirements (Refer to Safety Note). This product should show no significant degradation for two years from the date of manufacture. Contact your supplier for further information about the use of product that is older than this.

**PERSONAL PROTECTION:** Avoid contact with eyes and skin. Avoid inhalation of dust or spray mist. When handling, mixing or applying, wear overalls, boots, gloves and eye protection. Clean protective clothing daily after work. Do not eat, drink or smoke while using. Remove protective clothing and wash hands and face thoroughly before meals and after work.

**USE:** Apply with well maintained and calibrated spray equipment.

**DISPOSAL:** Dispose of this product only by using in accordance with this label, or at a suitable landfill. Do not burn. Dispose of packaging to a suitable landfill. Do not burn. Do not use packaging for any other purpose.

**ENVIRONMENTAL:** Use this product carefully. Do not contaminate aquatic environments with product, spray drift or packaging. Do not allow spray drift outside the target area to occur.

**First Aid**

If swallowed do not induce vomiting. If splashed in eyes, wash out immediately with running water for several minutes. If skin or hair contact occurs, remove contaminated clothing and wash with soap and running water. If inhaled, immediately move to fresh air and rest. Maintain half upright position if breathing is difficult. Call the National Poisons Centre **0800 POISON (0800 764 766) (24 hrs)** or a doctor immediately for advice.

**Emergency Response**

In a transport emergency call **111, Police or Fire Brigade**. For specialist advice in an emergency only, call **0800 CHEMCALL (0800 243 6625)** (24 hrs).

**Spillage**

Exclude non-essential people from the area. Wear protective clothing. Moisten to prevent dusting and sweep up. Place in a waste container. Dispose of safely to a suitable landfill.

**Safety Data Sheet**

Additional information is provided in the safety data sheet.

Freephone **0800 ORIONAS (0800 674 6627)** or visit [www.orionagriscience.co.nz](http://www.orionagriscience.co.nz).

**GENERAL INFORMATION**

Manco 75WG is a fungicide with protective properties for the control of fungal diseases in range of fruit, vegetable and ornamental crops.

**DIRECTIONS FOR USE**

It is an offence to use this product on animals

**RATES AND TIMING OF APPLICATION**

The following rates are for a full coverage spray to run-off.

**A) FRUIT CROPS**

CROP	DISEASE	RATE	CRITICAL COMMENTS
Apples Pears	Black spot Glomerella Ripe spot Sooty blotch	110 – 160 g / 100 litres water	Apply at green tip, and repeat at 10 – 14 day intervals. Use highest rate and shortest interval early in season or where severe disease exists. Maintain high rate for Glomerella. NOTE: Early season use under frosty conditions may cause russet.
Boysenberries Loganberries Raspberries	Downy mildew (Dryberry) Leaf spot Rust	210 g / 100 litres water	Apply at green tip, and repeat at 10 – 14 day intervals.
Citrus	Brown rot	210 g / 100 litres water	Apply in May. Where severe disease exists, apply at 4 – 6 week intervals from April to late winter.
	Alternaria		Apply from October to April at 14 – 28 day intervals.
	Verrucosis		Apply at petal fall
	Citrus rust mite		Apply at first signs of mite activity (Dec/Jan). Apply at 21 – 28 day intervals if necessary.
Currants (Red and Black) Gooseberries	Leaf spot	210 g / 100 litres water	Apply at green tip, pre-flowering, and repeat at 14 – 21 day intervals.
Grapes	Anthracoise (Black spot) Downy mildew	210 g / 100 litres water	Apply at bud burst, and repeat at 10 - 14 day intervals as required.
Nectarines Peaches	Rust	210 g / 100 litres water	Apply in early November. Repeat application if disease is severe. NOTE: To avoid spray deposits, Do NOT spray within 6 weeks of harvest. Do NOT allow drift onto plums as foliage damage and defoliation may occur.
Strawberries	Mycosphaerella leaf spot (Frogs eye)	210 g / 100 litres water or 2 Kg / ha	Apply from mid June. Apply at 10 – 14 day intervals. In wet weather, repeat at 7 day intervals.

**B) ORNAMENTALS**

CROP	DISEASE	RATE	CRITICAL COMMENTS
Ornamentals	Blight, Spots and Rust	210 g / 100 litres water	Apply at 7 – 14 day intervals throughout the growing season.

**C) VEGETABLES**

CROP	DISEASE	RATE	CRITICAL COMMENTS
Beans	Anthracoise Rust	160 - 210 g / 100 litres water	Apply at the first signs of disease and repeat at 7 – 10 day intervals.
Broccoli Brussels sprouts Cabbage Cauliflower	Downy mildew	160 - 210 g / 100 litres water	Apply at 7 – 10 day intervals. In wet weather, apply to seedbed at 3 – 4 day intervals.
Carrots	Cercospora leaf spot	160 - 210 g / 100 litres water	Apply at the first signs of disease and repeat at 7 – 10 day intervals.
Celery	Septoria leaf spot	160 - 210 g / 100 litres water	Seedbed: Apply at 3 – 5 day intervals. Field: Apply at 7 – 10 day intervals.
Cucurbits: Cucumber Melons Pumpkin Squash	Anthracoise Alternaria Cercospora leaf spot Downy mildew	160 - 210 g / 100 litres water	Apply as plants begin to run or at first signs of disease. Repeat at 5 – 7 day intervals.
Lettuce	Downy mildew Leaf spot Ring spot	160 - 210 g / 100 litres water	Apply at the first signs of disease and repeat at 7 – 10 day intervals.
Maize Sweetcorn	Northern leaf blight	2.1 Kg / ha	Apply as an aerial treatment at the first signs of disease. Apply in sufficient water for coverage. Repeat as necessary.
Onions	Botrytis Downy mildew	160 - 210 g / 100 litres water	Apply at 7 – 10 day intervals.
Potatoes	Early blight (Target spot) Late blight	1.6 – 2.1 Kg / ha	Apply lower rate as crop emerges, higher rate as vines size. Repeat at 7 – 10 day intervals. In wet weather, repeat at 3 – 4 day intervals.
Tomatoes	Anthracoise Early blight Late blight Septoria leaf spot	160 - 210 g / 100 litres water	Apply at 7 – 10 day intervals. Use highest rate and shortest interval where severe disease conditions exist. Do NOT use on young tomato seedlings in glass houses or tunnel houses as injury may occur.

**APPLICATION METHODS**

Manco 75 WG is non-corrosive and almost non-abrasive. Manco 75 WG can be applied with conventional spraying equipment. Do not use strainers finer than 300 micrometres. Use a finer droplet size for more uniform coverage. Ensure the underside of leaves are treated. Wash equipment thoroughly after use.

**MIXING**

Manco 75 WG mixes readily with water. Add the required amount of Manco 75 WG into the partly filled tank then add the remaining water while agitating. The spray mixture should be kept agitated before and during spraying, and before spraying after a stoppage.

**COMPATIBILITY**

Manco 75 WG is compatible with most commonly used insecticides and fungicides. Do NOT use with lime sulphur or Bordeaux mixture. For hard to wet vegetables such as onions, the addition of a non-ionic wetting agent such as Synergy™ Wetter Sticker will improve coverage.

**WITHHOLDING PERIODS**

**It is an offence for users of this product to cause residues exceeding the relevant MRL in the New Zealand (Maximum Residues Limits of Agricultural Compounds) Food Standards.**

Cucurbits, Tomatoes	1 day
Apples, Beans, Boysenberries, Broccoli, Brussels Sprouts, Cabbage, Carrots, Cauliflower, Celery, Citrus, Currants (Red and Black), Gooseberries, Grapes, Lettuce, Loganberries, Maize, Nectarines, Onions, Peaches, Pears, Potatoes, Raspberries, Strawberries, Sweetcorn	14 days
Export Crops	Check with your exporter or industry crop adviser

**RESISTANCE MANAGEMENT**

**GROUP M3 FUNGICIDE**

Manco 75 WG is a member of the dithio carbamate group of fungicides. Resistance to this and other M3 fungicides could develop from excessive use. To minimise this risk, use strictly in accordance with label instructions and resistance management strategies that exist for any diseases listed on the label. Consult <http://resistance.nzpps.org/index.php> for alternative modes of action and details of resistance management strategies (if any) for the crops listed on the label.

**WARRANTY**

This formulation is warranted to contain the specified active ingredient within accepted analytical tolerance when packed. The user bears the risk for damage resulting from factors beyond the manufacturer's control. The manufacturer declines all liability for damage resulting from improper storage or use of the product.

Registered pursuant to the ACVM Act 1997, No. P7578  
 See [www.foodsafety.govt.nz](http://www.foodsafety.govt.nz) for registration conditions.  
 Approved pursuant to the HSNO Act 1996, No. HSR000808  
 See [www.epa.govt.nz](http://www.epa.govt.nz) for approval conditions.

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Batch No.

Date of manufacture