



WHO CLASS III

MISTRESS[®] 72

FUNGICIDE



Guarantee: **Cymoxanil 8% w/w + Mancozeb 64% w/w**
Formulation: **Wettable Powder (WP)**
Classification: **Cyanoacetamide Oxime + Alkylenebis (dithiocarbamate)**

General Description: Mistress 72 is a broad-spectrum unique fungicide formulation containing a mixture of both systemic and contact fungicides thus providing outstanding control of diseases such as blights, downy mildew, purple blotch on a variety of crops. It ensures durable protection of the target plants during periods of active growth.

Mode of Action: Cymoxanil has both contact and local systemic action and also inhibits sporulation, while mancozeb is a non-specific thiol reactant, inhibiting respiration.

Contact action: Mistress 72 forms a uniform layer on plant surface, thus inhibiting entry and growth of fungi.

Translaminar Action: From the upper surface, it penetrates into the plant tissues and goes up to the lower surface. This helps in protection from both surfaces.

Rain Fastness: After spray, Mistress 72 gets absorbed in the system within 2-3 hours. Thus cannot be washed away by rain.

Induced Host response (Plant defense): Immediately after infection, presence of Mistress 72 induces defense in the plant system, resulting in thickening of cell walls near the infection site. This prevents invasion and spread of disease in the plant.

Benefits:

- Due to its strong contact as well as translaminar action, Mistress 72 provides long duration of control.
- Best in controlling resistant populations of fungi.
- Repeat sprays not required even if it rains 2-3 hours after application
- Provides Manganese and Zinc nutrition, keeping plants green and healthy.

Recommended Application Rates

Crop	Diseases	Rates (kg/ha)	Rates / 20L
Potatoes	Early and late blight	1.5	30gms
Tomatoes	Early and late blight	1.5	30gms

Pre- Harvest Interval:
10 days

Phytotoxicity:
Non-phytotoxic to most plant species when used as recommended.

Other suggested uses

Crop	Diseases	Rates/ha
Onions	Purple blotch, Downey mildew	1.5 kg
Cucurbit	Downey mildew	1.5 kg
Beans	Anthracoese	1.5 kg
Ornamentals Roses	Downey mildew	1.5 kg

Compatibility:
Mistress is compatible with commonly used insecticides and fungicides. Do not mix with products of alkaline nature.



Late blight (Tomatoes)



Downy mildew (Onions)



Downy mildew (Rose)



Anthracoese (Beans)



Early blight (Potato leaf)

Osho Chemical Industries Ltd.

Industrial Area Office: Osho Complex, Sasio Rd. off Lunga lunga, Industrial Area

Postal Address: P. O. Box 49916 - GPO 00100 Nbi-Kenya

Pilot Line: (+254) 020 391 2000, (+254) 0711-045 000, (+254) 0733-880 480

Customer Service: (+254) 020 391 2500, (+254) 0711-045 500 Fax: (+254) 020 3912600, (+254) 0711-045 600

E-mail: oshochem@oshochem.com Website: www.oshochem.com

