

FUNGICIDES

DEMILDEX[®] 50WP

Contains Copper Oxychloride

Not all copper fungicides are the same

Contains Copper oxychloride 850g/kg
A protectant copper fungicide with
bacterial effect

The “Copper solution” for
outstanding produce



DESCRIPTION

Not all copper fungicides are the same. **DEMILDEX[®]** has the following remarkable qualities.

- Only high quality ingredients go into **DEMILDEX[®]**. Thus it has very high purity.
- It has very low levels of Copper joiners (Heavy metals impurities such as Lead). It averages 73 ppm lead level, well below the International standard of 250 ppm. Thus superior quality for environmental and health reasons.
- It has less of the undesirable Copper chloride. This is undesirable because of its phytotoxic effects on plants. It leads to burning of the leaves or blemishes on the fruit. Because of the extra long oxygenation time with **DEMILDEX[®]** production process, this product has minimal (0.05% to 0.09%) copper chloride levels. Other brands have tested high as 2%. Low Copper chloride content in **DEMILDEX[®]** is important consideration for all crops, especially the more sensitive crops such as tomatoes..
- Has a better coverage for superior disease control. The smaller the particles the greater the number of particles- or active sites – per unit and hence the greater the fungicidal or bacterial activity. **DEMILDEX[®]** has very small particles(1.58micron) compared with other brands(over 3microns) hence a very big area(10 times) of active (fungicidal) surface
- **DEMILDEX[®]** sticks to the plant better. For fungicides, the tenacity coefficient is a measure of the product's ability to stick to the plant and hence gives a strong guide its resistance to weathering from rainfall or overhead irrigation. The tenacity coefficient increases with decrease in particle size. Ultra fine **DEMILDEX[®]** sticks extremely well to plant
- High suspensibility ensures **DEMILDEX[®]** is kept in maximum suspension in the spray solution and eliminates deposits being left in the tank
- No nozzle blockages when used as directed
- **DEMILDEX[®]** has been especially formulated as a wettable powder with excellent flow characteristics to minimize dust and operators exposure

Other benefits DEMILDEX[®]

- Is not broken down by sunlight to remain active on the plant surface
- Is non corrosive when used as directed
- Non abrasive. A function of the smallness of the particle size and the nature of the product
- Conveniently packaged in 1 to 25kg bags.

USES

For control of Downy mildew, Coffee leaf rust Bacterial canker, Fruit spot, Bacterial rot (bulb onions, garlic, salad onion and leeks), Black rot in Cruciferous, Blight in potatoes and tomatoes, Collar rot in temperate fruits, Foot rot in tomatoes.

Use 80gms per 20Lts of water.

Mode of Action

The fungicidal/ bacterial properties of **DEMILDEX[®]** is based on copper (the active ingredient) which is slowly dissolved in moisture (rain or irrigation) on the plants leaf in the presence of weak organic acids. As plant infections take place during rain, small amount of copper are released on the plant surface to kill or inhibit germination of micro-organisms.

DEMILDEX[®] is a protectant fungicide / bactericide which prevent infection on plants. Its mode of action is by interfering with the enzyme system of spores and mycelium, a process which is usually irreversible. It forms a chemical barrier against fungal attack. It does not have any systemic fungicidal value

DOSAGE

The fine texture and quality of **DEMILDEX[®]** means this product can be used at lower rate (For coffee 4.4kg/ha) than the average copper oxychloride (5.5kg/ha). **DEMILDEX[®]** label rates are similar to the hydroxide products making **DEMILDEX[®]** very attractive on comparative basis