

# MICROTHIOL SPECIAL DISPERSS

CAUTION  
WHO CLASS IV

*A dust free, flowable sulphur based fungicide formulation for the control of powdery mildew and mites in a wide range of crops.*

ACTIVE INGREDIENT: Sulphur 800 g/kg.  
FORMULATION WATER DISPERSIBLE GRANULES  
REGISTRATION NO: PCPB (CR) 0554

MODE OF ACTION : MICROTHIOL SPECIAL DISPERSS acts by contact and through vapour action. When applied to the plant, vapours are released. The powdery mildew mycelium produces hydrogen, which reacts with sulphur to form hydrogen sulphide, a gas toxic to the fungal pathogen. Small particle size increases the number of contact points with mildew mycelium and in turn, increases the efficacy. Sulphur activity increases with heat and light intensity. Conversely, activity decreases with high air movement because it disperses the sulphur vapours.

MICROTHIOL SPECIAL DISPERSS is also effective in the control of mites in terms of the following:

- Effective on both nymphs and adults
- Active as a mite repellent
- Harmless to beneficial insects that prey on mites.

## RECOMMENDATIONS



Crop	Dosage	
	Kg/ha	Gm/20 lt water
French beans	2-4	40-80
Cucurbits	2-4	40-80
Tomato	2-4	40-80
Flowers	2-4	40-80

**Pre-harvest Interval** : 0 days in open fields and 3 days in greenhouses.

APPLICATION: MICROTHIOL SPECIAL DISPERSS is applied as a foliar spray to control powdery mildews, other fungal diseases and mites. Thorough wetting of the crop must be ensured.

**Timing:** Best results are obtained when MICROTHIOL SPECIAL DISPERSS is applied before disease or mite populations are well established. Avoid spraying sulphur during flowering as most crops are sensitive. Spraying is recommended in the early morning or late afternoon as certain crops may be temperature sensitive to sulphur. A spray interval of 7-10 days is recommended, depending on the disease / mite pressure.

PREPARATION OF SPRAY: Half fill the spray tank with clean water, add the necessary quantity of the product and stir, then top up with water. Keep on agitating when filling and during spray operations.

COMPATIBILITY: **MICROTHIOL SPECIAL DISPERSS** is compatible with most commonly used pesticides except those with alkaline reaction and oil containing products.

PHYTOTOXICITY: MICROTHIOL SPECIAL DISPERSS is not phytotoxic when used as recommended.

## MAIN ADVANTAGES

<b>Sulphur particle size</b>	Most range from 1 to 6 microns (median 3 microns) therefore has better coverage and is highly efficacious with low phytotoxicity
<b>Minimal dust</b>	A free flowing water dispersible granule that is safe to the worker.
<b>Instantaneous dispersion</b>	Dissolves completely in water, with little to no residue left in the spray tank
<b>Excellent suspendibility</b>	In both hard and soft water, the suspendibility is the same with 80% remaining in suspension after one hour; thus, even after sitting, minimal agitation may be needed to re-suspend
<b>Compatibility</b>	Is compatible with most commonly used fungicides, insecticides, herbicides and miticides
<b>Application</b>	Can be applied by ground, air, or through chemigation
<b>Wettability</b>	It is instantaneous when added to water.
<b>Efficacy</b>	Excellent efficacy against targetted diseases and mites
<b>Packaging</b>	High quality and convenient disposable packaging

PACK SIZES 25kg, 5kg, 1kg, 500gm

HANDLING PRECAUTIONS

- Do not smoke drink or eat while using this product.
- Avoid eye contact. Wear safety goggles when handling the product.
- Avoid spray mist and exposure to the product. Wear rubber gloves, mask covering nose and mouth. Wear protective clothing
- such as long sleeved shirts, long pants and rubber boots when handling the product.
- After application wash yourself and your work clothes.

ENVIRONMENT AND WILDLIFE: The product is not toxic to fish. However, do not contaminate water sources and supplies by disposal of product waste. Keep livestock out of treated areas. MICROTHIOL SPECIAL DISPERSE is not toxic to natural enemies and beneficial insects such as bees and wasps when used at recommended rates.



LEADERS IN CROP PROTECTION

Microthiol Special Disperss® is a registered trade mark of Cerexagri / United Phosphorus Group.