

HALI YA SUMU

Dawa ya Microthiol Special Disperss haina sumu kwa mimea ikitumiwa kulingana na mapendekezo.

HADHARA ZA MATUMIZI

- Usivute, Usinywe, au kula unapotumia Microthiol Special Disperss
- Kinga macho kwa kuvaa mewani kila unapofanya kazi na dawa hii.
- Jizuie kwa mvuke wa dawa, kwa kuvaa kinga za mikono (gloves) pua na mdomo. Vaa mavazi kama shati la mikono mirefu, suruali ndefu, na 'gumboots' unapo itumia kwa kufanya kazi.
- Baada ya kufanya kazi na dawa, oga mwili wote na ufue mavazi ya kazi.

MAZINGARA NA WANYAMA

Dawa ya Microthiol Special Disperss haina sumu kwa samaki. Lakini usije ukachafua mito na vianzo vya maji kwa kutupa mabaki ya taka ya dawa ndani ya mito baada ya matumizi. Mifugo watengwe mbali na sehemu zilizo nyunyiziwa dawa. Microthiol Special Disperss haina sumu kwa wadudu walio na faida kama nyuki na (Mpango wa kusimamia kuzuia wadudu) ikitumiwa kuambatana na vipimo vilivyo pendekezwa.

UBORA NA FAIDA WA MICROTHIOL SPECIAL DISPERSS

Vumbi ya dawa	Dawa hii haitoi upepo wa vumbi (hutiririka bila kutoa vumbi).
Kuchanganya	Dawa uyeyuka mara moja kwenye maji bila kuacha mabaki chini ya tanki.
Inapofanya	Kwenye maji ya kawaida au chumvi dawa hutundika kwa kiwango cha asilimia themanini (80%) baada ya muda wa saa moja. Hata hivyo muda mfupi unahitajika kukoroga ili kufikia matokeo bora.
Upatanifu	Dawa inaweza kutumiwa pamoja na madawa mengine ya kuzuia magonjwa na wadudu waharibifu.
Kutumika	Dawa yaweza kutumika kupitia unyunyiziaji wa kawaida au kupitia ndege au kutumia machine ya unyunyishaji maji shambani.
Unyefu	Dawa hulowa haraka inapo ongezwa maji.



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ALWAYS READ THE LABEL BEFORE USE

MICROTHIOL SPECIAL

80% WATER DISPERSIBLE GRANULES

DISPERSS



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



Dispersion quality of microthiol



LEADERS IN CROP PROTECTION

MICROTHIOL SPECIAL



DISPERSS

DESCRIPTION

MICROTHIOL SPECIAL DISPERSS is a dust free, flowable sulphur based fungicide formulation for the control of powdery mildew, other fungal diseases and mites in a wide range of crops. MICROTHIOL SPECIAL DISPERSS goes into suspension quickly and completely providing more consistent coverage and greater surface contact compared to traditional sulphur products.

Active ingredient : Sulphur 800 g/kg

Formulation : MICROTHIOL SPECIAL DISPERSS is a dry flowable formulation made of finely ground sulphur particles that primarily range in size from 1 to 6 microns with most particles being 3 microns.

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.

DIRECTIONS FOR USE

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. 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.

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



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.

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

Compatibility

MICROTHIOL SPECIAL DISPERSS is compatible with most commonly used pesticides except those with alkaline reaction and oil containing products. However, DO NOT tank mix with any product unless your own prior testing has shown that the combination is physically compatible, effective and non-injurious under your conditions.

Phytotoxicity

MICROTHIOL SPECIAL DISPERSS is not phytotoxic when used as recommended.

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.

Features / Benefits of MICROTHIOL SPECIAL DISPERSS

Sulphur particle size	Most range from 1 to 6 microns (median 3 microns) therefore has better coverage and is highly efficacious with low phytotoxicity
Minimal dust	A free flowing water dispersible granule that is safe to the worker.
Instantaneous dispersion	Dissolves completely in water, with little to no residue left in the spray tank
Excellent suspendibility	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
Compatibility	Is compatible with most commonly used fungicides, insecticides, herbicides and miticides
Application	Can be applied by ground, air, or through chemigation
Wettability	It is instantaneous when added to water.
Efficacy	Excellent efficacy against targeted diseases and mites
Packaging	High quality and convenient disposable packaging



MAELEZO

Microthiol Special Disperss ni dawa maalum ya vumbi ya kuzuia ukungu, magonjwa mengineo na wadudu aina ya mites katika mimea mingi na mboga kama vile maua, miti ya matunda na kahawa.

Microthiol Special Disperse hufanya kazi mara moja kwa kutoa kinga kwenye sehemu kubwa ya mimea ikilinganishwa na bidhaa zingine za kawaida za Sulphur.

MCHANGANYIKO

Microthiol Special Disperse in dawa ya vumbi inayotiririka na iliyotengenezwa kwa kusiaga madini muhimu ya sulphur yenye ukubwa wa vipimo vya micron 1-hadi 6, wingi wake ukiwa ni micron 3.

JINSI INAVYOFANYA KAZI

Microthiol Special Disperss hufanya kazi kupitia kugusana au mvuke. Dawa inapowekwa kwa mmea, mvuke hujitokeza na hutoa hydrogen ambayo hupatana na sulphur na kutoa hydrogen sulphide ambayo ni sumu kwa viini vya magonjwa. Utendaji wa sulphur huimarika kwa joto na ongezeko la mwangaza. Na pia utendaji kazi waveza kupungua kutokana kwa ongezeko la kuvuma kwingi kwa upepo.

Microthiol Special Disperss hutumika kuzuia wadudu wa mites kupitia njia zifuatazo:-

- Kuuwa viluwilwi na wadudu waliokomaa wa 'mites'.
- Kuwafukuza au kuwa kizingiti cha mites
- Kutowadhuru wadudu wenye faida wanao kula mites

NAMNA YA KUTUMIA

Microthiol Special Disperss hutumika kwa kunyunyiziwa kwenye matawi kuzuia ukungu, magonjwa mengineo pamoja na mites. Hakikisha umenyunyizia sehemu zote za mmea. Weka nusu ya maji masafi kwenye tanki, kisha ongeza kiwango cha dawa kilichopendekezwa na kukoroga. Endelea kukoroga unapojaza maji na unapo nyunyizia.

Mmea	VIPIMO	
	Kilo/hektari	Gramu/Lita 20 ya maji
Maharagwe ya maji (French beans)	2-4	40-80
Cucurbits	2-4	40-80
Nyanya	2-4	40-80
Maua	2-4	40-80

WAKATI WA KUTUMIA

Matokeo mema ya Microthiol Special Disperss hupatikana ikitumiwa kabla ya wingi wa magonjwa au kabla ya mites kuwa wengi. Usitumie "Sulphur" wakati wa mimea inapotoa maua kwa sababu dawa yaweza kudhuru sisimizi kujitokeza. Nyunyizia mimea nyakati za asubuhi au jioni ili isidhuru mimea mingine. Kipindi cha kunyunyizia cha siku 7-10 kinapendekezwa kuambatana na wingi wa magonjwa na mites.

Kipindi cha kungoza kabla ya kuvuna:- Hakuna muda wa kungoza baada ya kunyunyizia kwenye mimea inayokuzwa inje, lakini siku tatu kwenye mmea inayokuzwa kwenye "greenhouse".

UPATANIFU

Microthiol Special Disperss ina shikamana na madawa mengi ya wadudu yanayotumika, isipokuwa yale ambayo yana chumvi na bidhaa zenye mafuta. Usichanganyie kwenye tanki moja hadi uhakikishe kwamba majaribio yako ya awali ya kuchanganya yamedhibitisha kuwa mchanganyiko ni wa sawa sawa kwa kufanya kazi na si hatari unapotumia.