



Thiovit Jet®

syngenta®

Agricultural Fungicide for the control of powdery mildew and mites in vine grape, citrus, coffee, tea, ornamentals.

REGISTRATION NO. PCPB(R) 0106

Water dispersible granules

GUARANTEE: 80% w/w sulphur

KEEP LOCKED OUT OF REACH OF CHILDREN

**COMMERCIAL AND
AGRICULTURAL CLASS
READ THE LABEL AND ATTACHED
LEAFLET BEFORE USE**

Shelf Life: At least 2 years from date of manufacture in original sealed containers.

Date of manufacture:

Expiry date:

Batch No:

Content : 1 kg

In case of an emergency Call Toll free
No.: 0800 720021/ 0800 730030 (24 hr)

Manufactured by: Syngenta Crop Protection AG, Basle, Switzerland

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Distributor: Syngenta East Africa Ltd.
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TM





Thiovit Jet®

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Dawa inayochanganyika na kuangamiza kuku na karina kwenye vine grape, citrus, kahawa, chai na maua.

NAMBARI YA KUSAJILIWA. PCPB(R) 0106

Chembe ambazo huchanganyika na maji

DHAMANA: 80% w/w sulphur

WEKA MBALI NA WATOTO

**KUNDI LA BIASHARA NA KILIMO
SOMA MAELEZO KWENYE KIBANDIKO
NA YALE YALIYO KWENYE UKURASA
KABLA YA KUTUMIA DAWA HII**

Maisha rafuni: Si chini ya miaka miwili kuanzia tarehe ya kutengenezwa ikiwa imehifadhiwa katika viwekeo vyake asili ambavyo havijafunguliwa.

Tarehe ya kutengeneza:

Tumia kabla ya:

Nambari ya kifurushi:

Ujazo : Kilo 1

Kukiwa na jambo la dharura piga simu isiotozwa Nambari 0800 720021/ 0800730030 (24 hr)

Watengenezaji: Syngenta Crop Protection AG, Basle, Switzerland

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TM



Water dispersible granules

Agricultural Fungicide for the control of powdery mildew and mites in vine grape, citrus, coffee, tea, ornamentals.

Active ingredient content: 80% w/w sulphur

Mode of Action

THIOVIT® is a water dispersible granule and offers excellent contact and vapour action. THIOVIT® uptake by plants is through roots as sulphate and through roots and leaf cuticle as sulphur dioxide. It acts by contact and through the vapour phase enhanced by the sublimation of the sulphur. Contact action relies upon good leaf coverage and the close proximity with the fungus.

Vapour action depends upon the surface of contact with the air and the level of sublimation. It has a long residual activity.

Spectrum of Activity

THIOVIT® has excellent control of powdery mildew and mites in ornamentals, fruits, vegetables, field crops. It also corrects / prevents sulphur deficiency in all crops. It promotes chlorophyll formation leading to a greening effect. It ensures efficient utilisation of nitrogen. All these lead to a positive yield response.

Recommendations for use

THIOVIT® is applied as a foliar spray to control powdery mildews and certain other diseases. THIOVIT® reduces mite populations in a wide range of crops. Best results are obtained when THIOVIT® is applied before disease or mite populations are well established. Do not use THIOVIT® within 14 days of an oil treatment, except for dormant sprays on pears and apples. Do not apply oil for 14 days following treatment. For citrus, do not apply within 21 days of an oil application.

Rates of Applications

Crop

Dosage rate

	kg/ha	g/20l
Citrus	2.0-8.0	40-160
Coffee, Cereals	2.0-4.0	40-80
Field crops	2.0-8.0	40-160
Fruit trees	2.0-8.0	40-160
Grapes	4.0-8.0	80-160
Ornamentals	2.0-8.0	40-160
Vegetables	2.0-5.0	40-100
Tomatoes	6.0	120
Tea	3.0	60

Some crops are susceptible to sulphur under certain climatic conditions. Sulphur may burn foliage or cause fruit injury when

temperatures are too high. A spray interval of 7-10 days is recommended, depending on disease pressure.

Note

Spraying is recommended to be done in the morning or late afternoon. The crop should not be under stress when spraying. Where the crop is under water stress scorching of leaves may be observed. Avoid spraying sulphur during flowering as most crops are sensitive. Use of THIOVIT® in coffee helps prevent / control red spider mites that cause crinkle leaf. A mixture of THIOVIT® and copper formulations gives several advantages:

- control of mites (crinkle leaf)
- due to the fine particle size of THIOVIT®, better spray coverage is achieved and this gives better disease control
- it gives a greening effect due to promotion of chlorophyll formation
- it prevent / corrects sulphur deficiency

Pre-harvest interval: 3 days in greenhouses

Spray volume

Before spraying ensure that the sprayer is in good order and correctly calibrated. Use sufficient water to ensure good spray coverage.

Tractor and knapsack sprayers: Use a spray volume of 300-1000 l/ha water.

Aircraft: Use at least 30 l/ha water.

Mixing

For sprayers with agitators, THIOVIT® can be added directly to the water in the spray tank. Fill two thirds of the spray tank with water. Pour progressively the amount of water required into the tank while the agitator is operating. Agitate thoroughly while mixing and spraying.

In case of tank mixtures proceed as above except that powder products should be added after THIOVIT® and that liquid products should be the latest to be added in the spray tank.

For sprayers without agitators, half fill the spray tank with water, add the required amount of THIOVIT®, mix thoroughly and fill the tank with water upto the level required. Pre-mix the required quantity of product with a small volume of water. Add the slurry to clean water in the half-filled spray tank. Maintain agitation while topping up. Always stir the spray mixture well and apply within a few hours.

Spraying Equipment

THIOVIT® can be applied with conventional tractor boom sprayers, motorized knapsacks knapsack sprayers and by aircraft. The equipment must be properly calibrated to provide

thorough and even coverage of the whole plant, in particular also of the lower plant parts. In protected crops, e.g., greenhouses, HV portable equipment or hose and gun for foliar or soil sprays can be used. Flush spray equipment thoroughly with plenty of clean water after use.

Storage

Store away from sun and damp. Store in original tightly closed containers in a well-ventilated area. Avoid storage above 35°C. Store under lock and key, away from foodstuffs, animal feeds, children, animals and unauthorised persons.

Hazards and Precautions

Precautionary Measures

KEEP LOCKED OUT OF REACH OF CHILDREN and other unauthorised persons and animals.

Operator Safety

THIOVIT® is slightly hazardous to humans. Avoid getting product in contact with skin, eyes or clothing. Do not inhale dust or spray mist. Wash hands and face before eating, drinking, or smoking. If indisposition occurs, stop work immediately and apply first aid measures.

Wear protective clothing (overalls, gumboots, face shield, gloves, hat or cap) when spraying. If product comes in contact

with eyes, get medical attention. Wash off splashes of concentrate immediately. After work, wash entire body thoroughly. Clean work clothing and protective equipment immediately after work.

Product and Container Disposal

Dispose of surplus product on a landfill site approved for pesticides, or divide remainder into small quantities and bury in a safe place away from water supplies.

Dilute small quantities of surplus spray mixture with plenty of water and spray on fallow land. Dispose of containers in a landfill site approved for pesticides, or burn in a safe place. Do not re-use empty containers for any other purpose, especially not for food, feed or storing drinking water.

Leakage and Spillage

Remove heavily contaminated soil and bury in a safe place away from water supplies.

Spillage: soak up with sand, sawdust, soil or an oil binding agent. Collect contaminated material thoroughly and bury in a safe place or put in a waste bin or plastic bag, mark it and dispose of on a landfill site approved for pesticides. Treat spill area with plenty of water. Do not re-use spilt product.

Environment and Wildlife

The product does not present a demonstrable hazard to fish and wildlife. It is not toxic to honeybees. Do not contaminate stagnant water or running water by disposal of product waste. The treated area must not be grazed, and no food or feed should be collected from it for a period corresponding to the pre-harvest interval.

Do not enter treated area before the spray has completely dried.

FIRST AID INSTRUCTIONS TYPE AREA

If poisoning is suspected, stop work immediately and call a physician. Remove patient from further contact with the pesticide and strip off all contaminated clothing. Move patient to a well-ventilated area. In case of contact with skin and eyes, wash immediately with plenty of water. Rinse splashes from eyes with abundant fresh and clean water for at least 10 minutes. If inhaled move patient to clean air. Never give anything by mouth to an unconscious person.

TOXICOLOGICAL INFORMATION

No case of human poisoning is on record. Of low mammalian toxicity.

Symptoms of Poisoning

Ingestion of large quantities may cause nausea, vomiting, headache, diarrhea, somnolence, cyanosis.

Note to the doctor

In case of poisoning apply symptomatic therapy.

Antidote

No specific antidote is known. Apply symptomatic therapy.

In case of an emergency Call Toll free No.: 0800 720021 / 0800 730030 (24hr)

MAXIMUM TYPE AREA

NOTICE TO USER

This pest control product is to be used only in accordance with the directions on the label. It is an offence under the Pest Control Products Act to use or store a pest control product under unsafe conditions.

WARRANTY

Seller's guarantee is limited to the terms set out on the label and subject thereto, the buyer assumes the risk to persons or property arising from the use or handling of this product and accepts the product on that condition.

Chembe ambayo zinachanganyika na maji

Dawa inayochanganyika na kuangamiza kovu na karina kwenye vine grape, citrus, kahawa, chai na maua.

Dhamana: Sulphur 80%w/w

Maelezo

THIOVIT® ni dawa ya kuangamiza kovu iliyo na kiwango cha 80% w/w kemia ya Sulphur.

THIOVIT® ni dawa inayochanganyika na maji ya kuangamiza kovu na karina kwenye kahawa, mboga za aina mbali mbali, matunda, maua za aina mbali mbali na mimea mingine.

Namna ya kutumia

1. Mimea itakayo nyunyizwa dawa hii lazima iwe inakua vizuri. Ikiwa mimea haipati maji ya kutosha, huwa ni rahisi kuharibika. Mimea mingi huadhiriwa na kemia ya Sulphur, wakati wa kuchanua maua.
2. Unyunyizaji wa dawa hii ni lazima ufanywe wakati wa asubuhi ama baadaye aduhuri lakini usifanywe wakati wa jua na joto nyingi.
3. Kemia ya Sulphur inaweza kuadhiri kiukamba (cucumbers) na rock melons.

Haipendekezwi itumiwe kwa mimea ya aina hii. Pia inaweza kuadhiri majani ya mimea mingine kama vile cucurbits, apples, grapes, pawpaws na mimea mingine ya mapambo, endapo dawa hii itanyunyizwa pakiwa na joto linalozidi 24°C.

Mimea

Kiasi cha THIOVIT®

	kama asilimia	kg/ha	g/lita 20
Michungwa	0.2-0.8	2-8	40-160
Kahawa na Ngano	0.2-0.4	2-4	40-80
Mimea ya kudumu	0.2-0.8	2-8	40-60
Mitunda	0.2-0.8	2-8	40-160
Grapes	0.4-0.8	4-8	80-160
Mimea ya mapambo	0.2-0.8	2-8	40-160
Mboga za aina mbali mbali	0.2-0.5	2-5	40-100
Nyanya	0.6	6	120
Michai	0.3	3	60

4. Wakati wa kurudia mnyunyizo ni siku 7-10 kulingana na kuzuka kwa kuvu.
5. THIOVIT® ni dawa iliyo na nguvu sana kwa kuangamiza kuvu, ya aina ya powdery mildew na pia huzuia karina. THIOVIT® inaweza kutumiwa kuzuia purple mites ambao hushambulia michai, na red spider mites wanao shambulia nyanya.

Kuvuna: Hakuna wakati wakungojea. Kwa greenhouse, vuna baada ya siku 3 wa mnyunyizo wa THIOVIT®.

Mchanganyiko wa THIOVIT® na madini ya shaba (copper) hupatia manufaa yafuatayo:

- (a) Matokeo mazuri katika uzuiaji wa kutu ya majani (leaf rust), CBD na karina
- (b) Ukuaji bora na wenye nguvu
- (c) Unyunyizaji wa kadri husababisha matokeo mema kwa mimea hivyo utazuia mimea kutoshambuliwa na magonjwa yasababishwayo na kuvu
- (d) Mimea huwa imara na yenye nguvu

Matayarisho ya dawa

Mimina kiasi unachohitaji cha dawa ya THIOVIT® nauichanganye na maji ya kutosha ikolee, alafu uanze kuikoroga.

Kuhifadhi

THIOVIT® lazima ihifadhiwe katika viwekeo vyake asili vilivyofungwa, mahali pakavu kivulini, mbali na watoto vyakula na mifugo.

Hadhari

WEKA MBALI NA WATOTO, watu wasiohusika nayo na mifugo.

Usalama kwa wanyunyizaji

Usimeze THIOVIT®. Usivute hewa iliyo na dawa. Chunga dawa isiingie kwenye macho, mwili au nguo ulizovaa. Usile, usinywe wala kuvuta sigara wakati wa kunyunyiza dawa; na kabla ya kufanya hivyo oga mikono na uso. Vaa nguo za kazi yaani ovaroli, buti, kofia na glavu hasa wakati wa kukoroga na kunyunyiza dawa.

Ukimwagikiwa na dawa mwilini au nguoni, osha mara moja. Baada ya kazi oga mwili wote na maji na sabuni. Safisha nguo za kazi kabla ya kuzitumia tena.

MAXIMUM TYPE AREA

Mazingira na wanyama wa pori

THIOVIT® lazima iwekwe mbali na wanyama kama vile mbuzi, kondoo na ng'ombe.

Usimwage dawa iliyobaki ovyo ovyo, ama maji yaliyotumika kwa kuzunzia vyombo vya dawa hii karibu au kwenye mto, visima au visiwa.

Dawa imalizikapo

Zika kiasi kidogo kidogo cha dawa iliyobaki ndani ya mashimo mbali mbali katika sehemu zisizo na mimea au maji. Safisha mikebe na mapipa ya dawa vizuri kabisa ukimwaga maji yenye dawa ndani ya bomba la kunyunyizia. Ongeza maji mengi kwa ile dawa iliyobaki ndani ya bomba na halafu umwage mbali na mimea. Safisha vizuri bomba baada ya kazi.

Toboa na kuondaponda kabisa mikebe na mapipa ya dawa na baadaye kuzika. Usitumie mikebe au mapipa ya dawa kwa kazi yoyote, na hasa kwa kuwekea chakula, malisho ya mifugo au maji.

HUDUMA YA KWANZA

Kama ukijisikia umesumika, acha kazi na uone daktari mara moja. Mgonjwa awekwe mahali penye hewa ya kutosha, mbali na dawa. Kama alimwagikio na dawa, toa nguo na zivuliwe vizuri. Ikiwa dawa imeingia kwenye macho, yasafishwe kwa maji mengi kwa muda wa dakika 15. Mgonjwa anyeshwe makaa maalum ikiwa amemeza dawa. Mtu aliyezirai asilishwe chochote.

Kinga

Hakuna kinga maalum. Matibabu ni vile atavyoona daktari.

Kukiwa na jambo la dharura piga simu isitozwa Nambari: 0800 720021 / 0800 730030 (24 hr).

ILANI KWA MTUMIAJI

Dawa hii ni sharti itumiwe kulingana na maagizo yaliyo kwenye kibandiko. Ni hatia chini ya sheria za madawa ya kuangamiza wadudu waharibifu kutumia au kuhifadhi dawa hii katika hali isiyosalama.

DHAMANA

Dhamana ya muuzaji ni maelezo yaliyo kwenye kibandiko ambayo ni lazima yafuatwe kikamilifu. Mnunuzilazima akubali hatari zozote zinazoweza kutokana na matumizi ya dawa hii kwa binadamu au mali na lazima aikubali dawa hii katika hali hiyo.

MAXIMUM TYPE AREA