

TECTO[®]

Systemic, broad spectrum fungicide for foliar disease prevention and control in ornamentals as well as post-harvest use on avocados, bananas, mangoes, or pre-plant application on beans.

REGISTRATION NO. PCPB(T) 0145
Suspension concentrate
GUARANTEE: Thiabendazole 500 g/lit.

COMMERCIAL AND AGRICULTURAL CLASS

**KEEP LOCKED OUT OF REACH OF CHILDREN
 READ THE LABEL AND LEAFLET BEFORE USE**

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

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

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Manufactured by: Syngenta Crop Protection AG, Basle, Switzerland

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MEMBER OF
 AGROCHEMICALS
 ASSOCIATION OF KENYA
 MEMBERSHIP NO. 226

syngenta
Colour band: GREEN

Spectrum of Activity

Thiabendazole is systemic with protective and curative action. It is absorbed by the leaves and the roots. The wide anti-fungal spectrum of thiabendazole and its wide margin of safety to plants make it the product of choice on many crops. Thiabendazole helps prevent and control plant infections by foliar application treatments and it can help extend shelf life by controlling storage diseases. Thiabendazole is effective against a wide range of plant pathogenic fungi; e.g., *Alternaria* sp., *Botrytis cinerea*, *Colletotrichum lindemuthianum*, *Cladosporium* sp, *Fusarium* sp, *Monilinia* sp, *Penicillium* sp, *Rhizoctonia* sp, *Aspergillus*, *Phoma*, *Sclerotinia*, *Septoria*, *Cercospora*,

Recommendations for Use

To avoid risks to man and the environment, comply with the instructions for use.

TECTO[®] is a broad-spectrum systemic fungicide with protective and curative action. It is used for pre-plant applications, foliar sprays and post-harvest treatment.

a) Pre-Plant treatments

- i) **French beans:** For root rot complex (caused by *Fusarium solani* and *Pythium* spp) use 335 –465 ml per 100 litres of water as a seed dip
- ii) **Ornamentals (Bulbs and corms)**

Use 200 ml TECTO[®] per 100 litres water applied as a pre-plant dip to control

b) Foliar treatments			
Crop	Disease	Rate/100 lt.	Remarks
Roses	Powdery mildew Gray mold	90 ml	Apply at 8-10 day intervals with a max. of 4 applications/season
	Black spot		

c) Post-harvest applications			
Crop	Disease	Rate ml/100 lt.	Remarks
Pineapples	Soft rot	500	Bath treatment
Citrus	Blue,	400-1000	Dip or drench
	Green mold Stem end rot		
Bananas	Crown rot complex	40-80	Dip or drench
Apples, Pears	<i>Botrytis</i> sp <i>Gloeosporium</i> sp.	100-220	In dip treatments replenish the bath with double concentration
Mango,	Anthracnose	465-698	§Dip or drench
Avocado	Anthracnose	200-650	

Fusarium basal rot (*Fusarium* sp), grey mold (*Botrytis* sp) and Blue mold (*Penicillium* sp).

Potatoes: for the control of black scurf (*Rhizoctonia solani*). Dip tubers shortly before planting in a dip bath containing 360-480 ml TECTO[®]/ 100 litres water for 3-5 minutes. Dry tubers to prevent bacterial rots. 100-kg tubers are dipped in a 70-litre bath, which can be used about 20 times before replenishment.

Applied as a spray use 8-30 ml/100 kg of tubers.

iii) **Onions and Garlic**

For the control of White rot (*Sclerotium cepivorum*) and Neck rot (*Botrytis* spp) use 180-360 ml TECTO[®] /100 litres water as a pre-plant dip. Thereafter apply 250-360 ml of TECTO[®]/ 100 litres water at planting (either soil or foliar) and then 2 additional applications at 30 day intervals.

Application Information

Use Directions for Drench Applications

Apples and Pears: Drench harvested fruit according to label rates. Do not treat for over 3 minutes. Treat apples only before and after storage for maximum decay control. Treat pears once.

Citrus Fruit: Drench harvested fruit according to label rates.

Bananas: Drench harvested fruit according to label rates. Compatible with 1% alum. Incompatible with copper products and oxidizing agents such as chlorates and nitrates. High pH can cause precipitation of the active ingredient.

Tropical Fruits (Avocado, Mango, Papaya): Drench harvested fruit according to label rates.

Ornamental bulbs and corms: Dip according to label rates. Clean and treat within 24-48 hours of digging.. Submerge stock completely. Suspension temperature should be 13-23⁰C.

General information:

Must be agitated. Avoid foaming. Use recirculating drenches to treat fruit. Recirculate both fresh suspensions and used suspension thoroughly before treating any fruit. Replace with fresh suspension when any of the following occur:

- when tank contents become dirty or contaminated
 - non-use for a period of 24 hours or greater
- Recharge the suspension when the tank concentration is reduced to 85% of the label target concentration. Recirculating filtration systems are recommended only to remove debris and organic matter from charged suspensions. Do not store used suspensions for the purpose of recharging drench tank suspensions.
- Drain fruit thoroughly following treatment.

Protected crops (ornamentals) in greenhouses and under plastic

TECTO[®] can be applied with spray guns, horizontal and vertical boom sprayers or knapsack sprayers. In view of the usually dense crop stands, particular care has to be taken to achieve thorough coverage also of the lower plant parts. Spray volumes between 200-2000 lt./ha are recommended.

Mixing

Make certain application equipment is clean and not contaminated. Calculate carefully the required amount of spray mixture in order to prevent any left over in the spray tank after treatments. Do not pre-mix in bulk for more than a days work. Triple rinse empty containers and add the rinsate to the spray mixture. For operator safety do not contaminate the outside of the sprayer.

Tractorised equipment

Fill the spray tank/mixing tank to 1/3-1/2 with clean water and start agitation. Add the required amount of TECTO[®] and continue agitation while adding the rest of the water. Agitate the mixture thoroughly before use and continue agitation during spraying. When filling the spray tank/mixing tank the filling hose should always be above water level in order to avoid suckback.

Portable equipment

If no mixing tanks are used, fill half of the sprayer with clean water, add the calculated and measured quantity of TECTO[®], close the knapsack lid, shake well for a short interval and then continue to fill the sprayer with water.

Compatibility: Compatible with most commonly used crop protection products. However, it is recommended to do a small compatibility test in case of doubt.

Clean up procedure

Drain spray system completely. Rinse tank, spray boom and nozzles with clean water for several minutes. Fill tank with clean water and leave in tank for 15 minutes with agitation, then drain through nozzle outlets. Rinse hoses and spray boom. Nozzles and screens should be removed and cleaned separately along with protective equipment.

Hazards and Precautions

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

Operator safety

Strictly avoid all contact with skin, eyes or clothing. Avoid breathing spray mist. Prolonged or repeated exposure to product may be harmful. Do not eat or smoke during work; wash hands and face thoroughly first. Wear protective clothing, i.e., overalls, gloves, gumboots and face shield. When applying indoors, wear respiratory mask, hat and goggles. Immediately wash off accidental splashes of product and spray mixture. Change contaminated clothing immediately and launder before re-use. After work wash entire body thoroughly with soap and water and change to clean clothing. Extinguishing media: Use water spray or all-purpose dry chemical. Fire-fighting procedures: Firefighters should wear self-contained breathing apparatus and full protective equipment.

Storage

Store in original tightly closed container away from sun and damp. Keep under lock and key, away from children, animals and other unauthorized persons.

Product and Container disposal

Dispose of surplus product on a landfill site approved for pesticides or bury in a safe place away from water sources. Dilute surplus application mixture, pour it broadcast on fallow land. Dispose of plastic containers in a landfill site or burn in a safe place. Do not re-use empty containers for any other purpose, especially for food, feed or storing drinking water.

Spillage and Leakage

Remove heavily contaminated soil layer and bury in a safe place away from water sources. Spillage's: soak up with sand, sawdust, soil or an oil binding agent. Collect up the contaminated material thoroughly and bury in a safe place or put in a waste bin or a plastic bag, mark it and dispose of on a landfill site approved for pesticides. Treat spill area with plenty of water. Spilt product must not be re-used.

Environment and Wildlife

TECTO is very toxic to aquatic organisms. DO NOT contaminate water used for irrigation or domestic purposes and water areas, such as ponds, ditches, lakes, drainage systems, etc. by disposal of product waste. Newly treated areas must not be grazed and all livestock is to be kept out. Environmental fate: Thiabendazole is not degraded readily in the soil but remains immobile and will not readily leach. It gradually degrades in the presence of sunlight, both in water and on plant surfaces. Thiabendazole does not bioaccumulate in fish since it is rapidly eliminated. No risk is expected for birds and earthworms, due to the low toxicity of the compound to these organisms.

FIRST AID INSTRUCTIONS

If poisoning is suspected, stop work immediately and call a physician. Keep the patient in a well-ventilated room and protect from undercooling. Remove contaminated clothes. Wash contaminated clothes and affected parts of the body with soap and water. After eye contact rinse eyes with clean water for several minutes. If the substance has been ingested, repeatedly give medicinal charcoal in a large quantity of water. NB: Never give anything by mouth to an unconscious person. DO NOT induce vomiting.

TOXICOLOGICAL INFORMATION

Poisoning symptoms

No case of human poisoning is on record

Antidote: No specific antidote is known. Apply symptomatic therapy.

WHO Class: III (unlikely to cause acute hazard in normal use)

Notice to User

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User's Risk

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. The user bears the risk for damage resulting from factors beyond the manufacturer's control. The manufacturer warrants the quality of their products provided they are acquired in the original sealed packages.

Resistant strains of fungal diseases may develop or may exist against which TECTO® may not be effective resulting in crop loss. Since the occurrence of such strains cannot be forecast, neither the manufacturer nor its distributors can accept responsibility for any loss or damage caused by failure of the fungicide to control resistant strains.

All recommendations for use of the product are based on the current state of the manufacturer's knowledge. Since the manufacturer cannot control the application, use, storage or processing of the product, the manufacturer cannot therefore accept responsibility.

Before using the product, please read the attached product label and accompanying packaging leaflet.

Use pesticides safely.

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