

# ARBOTECT® 20-S

COMMERCIAL

FOR USE BY ARBORISTS AND OTHERS TRAINED IN THE RECOGNITION OF DUTCH ELM DISEASE AND TREE INJECTION TECHNIQUES

ARBOTECT 20-S aids in the control of Dutch Elm Disease (*Ceratocystis ulmi*) in Elm Trees. It is a systemic fungicide that controls fungal diseases by curative (eradicator) and protective action, if used according to label directions.

**GUARANTEE:**

Thiabendazole ..... 20% w/w

**READ THE LABEL BEFORE USING**

REGISTRATION NO.: **16694**  
PEST CONTROL PRODUCTS ACT

NET CONTENTS: **3.785 L**

**Syngenta Crop Protection Canada, Inc.**  
140 Research Lane  
Research Park, University of Guelph  
Guelph, Ontario N1G 4Z3  
Tel. No.: (519) 836-5665

Notification Change

LABEL

**NOTICE TO USER**

This 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 a control product under unsafe conditions.

**NOTICE TO BUYER**

Seller's guarantee shall be 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.

**FIRST AID**

**IN CASE OF POISONING**, contact a physician or a poison control centre **IMMEDIATELY**. Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

**If on skin**, wash thoroughly with plenty of water for at least 15 minutes. Remove contaminated clothing and wash prior to re-use. Obtain medical attention if irritation occurs.

**If in eyes**, immediately rinse eyes with plenty of water for at least 15 minutes. Hold eyelids apart to rinse the entire surface of the eyes and lids. Obtain medical attention if irritation occurs.

**If inhaled**, move person to fresh air. If discomfort occurs or persists, seek medical attention.

**If swallowed**, Give 1-2 glasses of water to drink. Immediately contact a physician or poison centre. Never induce vomiting or give anything by mouth to an unconscious person.

**TOXICOLOGICAL INFORMATION**

**NOTE TO PHYSICIAN:** Although this product is not irritating and has low toxicity in animal studies, it is very acidic.

There is no specific antidote, if this product is ingested. Treat symptomatically. This product was non-toxic by the oral route in laboratory animals. Accidental ingestion of large amounts of thiabendazole may cause the following adverse reactions: gastrointestinal disorders, dizziness, headache, blurring of vision, change in urine appearance and odour, and hypersensitivity reactions.

**PRECAUTIONS:****KEEP OUT OF REACH OF CHILDREN**

Avoid contact with skin or eyes. Avoid breathing spray mist.  
Acid solution – use only with stainless steel or resistant plastics.

DO NOT APPLY BY AIR.

## STORAGE

PRODUCT FREEZING TEMPERATURE IS BETWEEN  $-3.89$  TO  $-1.67^{\circ}\text{C}$

Satisfactory utility is restored after thawing and mixing of product. Repeat freezing and thawing of the product should be avoided. KEEP COVER ON OPENED CONTAINER TO PREVENT DRYING. Before using ARBOTECT 20S with other chemicals, consult the manufacturer.

## DECONTAMINATION AND DISPOSAL

For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial agency in case of a spill and for the clean up of spills.

## CONTAINER DISPOSAL :

Do not reuse this container for any purpose. This is a recyclable container, and is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site. Before taking the container to the collection site:

1. Triple- or pressure-rinse the empty container. Add the rinsings to the mixture in the tank.
2. Make the empty, rinsed container unsuitable for further use.

If there is no container collection site in your area, dispose of the container in accordance with provincial requirements.

***IN CASE OF EMERGENCY INVOLVING A MAJOR SPILL, FIRE OR POISONING  
CALL 1-800-327-8633 (FASTMED)***

## DIRECTIONS FOR USE - 1 YEAR TREATMENT:

**Preventative treatment** – For each 13 cm of trunk diameter inject 30 mL of ARBOTECT 20-S diluted in 1.2 litres of water to 60 mL ARBOTECT 20-S diluted in 2.4 liters of water. Use the higher levels of Arbotect 20-S under high disease pressure situations.

Preventive applications should be made when leaves approach full size, usually in late May or June.

**Therapeutic treatment** – For each 13 cm of trunk diameter inject 60 mL of ARBOTECT 20-S diluted in 2.4 litres of water to 120 mL of ARBOTECT 20-S diluted in 4.8 litres of water. Use the higher levels of ARBOTECT 20S under high disease pressure situations. At therapeutic dilution rates, chemical injury may occur. Therapeutic applications should be made as soon as the current year infections are seen, usually in late June through August.

For optimum disease control, preventive treatment is recommended. When a tree shows more than 5% crown symptoms, treatment may not be effective. Treatment should be used in conjunction with an insect control and sanitation program (pruning of diseased limbs) in order to obtain best results.

**Trees that are 13 cm or less in diameter at chest height should not be treated.**

Follow the operating instruction supplied with the injection equipment used. Place injection sites at 7.5 – 25 cm intervals around the base of the tree with a maximum hole diameter of 1.3 cm using a minimum of 3 - 4 equally spaced injection points per tree. If pressure injection is used, do not exceed 700 kPa (100 psi).

#### **DIRECTIONS FOR USE - 3 YEAR TREATMENT:**

**For Preventive and Therapeutic Treatment of Dutch Elm Disease** – Inject 360 mL of ARBOTECT 20-S diluted in 24 litres of water for each 13 cm trunk diameter. Inject into any exposed root flares, below ground, (15cm), **once every three years**. The maximum diameter of the injection holes should be 1.3 cm. **Do not use this treatment if trees are less than 25.4 cm in diameter. When a tree shows more than 5% crown symptoms, treatment may not be effective.** Treatment should be used in conjunction with an insect control and sanitation program (pruning of diseased limbs) in order to obtain best results.

Do not dilute ARBOTECT 20-S with highly alkaline water as a precipitate may form. If it does occur, use another water source.

Tree Injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Syngenta Crop Protection Canada, Inc. or the seller. Treatment may not be effective if tolerant strains develop. Use of alternative treatments should be considered when treatment with the product proves ineffective.

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