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DU PONT
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CANADA LABELLED

LIGNASAN(R) BLP
LIQUID CONCENTRATE FUNGICIDE

For Control of Dutch Elm Disease

COMMERCIAL READ LABEL BEFORE USING

GUARANTEE: Carbendazim-phosphate.....0.7%

Patented 1972

REGISTRATION NO. 13,298
PEST CONTROL PRODUCTS ACT

CONTENTS: 20 L

PRECAUTION: Keep out of reach of children

May irritate eyes, nose, throat and skin. Avoid breathing dust or spray mist. Avoid contact with skin, eyes and clothing.

In case of contact, flush skin or eyes with plenty of water, for eyes get medical attention.

WEAR PROTECTIVE GOGGLES WHEN WORKING WITH THIS CHEMICAL. KEEP FROM TEMPERATURES BELOW FREEZING.

"Lignasan" BLP is to be used for the protection of Elms from Dutch Elm disease by injection of the chemical into root, root flare or trunk of the tree.

Root injection is performed by a closed system injection process covered by Patent No 962588, Canadian Patents and Development Ltd., Ottawa. The Ontario Shade Tree Council+ is a licensee. The Council grants permits to purchase "Lignasan" BLP, for root injection use, to persons who complete an O.S.T.C tree injection course.

Treatment of trees in Ontario is subject to licensing requirements of the Ontario Ministry of the Environment.

Manufactured by E.I. du Pont de Nemours & Co. Inc.,
Wilmington, Del.

Distributed in Canada by:
Du Pont Canada Inc., Agrichemicals,

P.O. Box 2300, Streetsville P.O.,
Mississauga, Ontario. L5M 2J4

(R) Du Pont Registered Trade Mark in Canada +7241 Jane Street,
Concord Ontario, L4K 1A7

GENERAL INFORMATION

"Lignasan" BLP may be used to protect trees from disease or to arrest the disease at the earliest stages of infection. It is to be used by trained arborists and others trained in the identification of Dutch Elm disease and injection techniques. It should be used in conjunction with sanitation and insect control programs.

Results may vary according to geographic areas because of variations in climate, physiological differences in the trees, and fungus strains.

When use directions on this label are followed, sufficient "Lignasan" BLP is injected to obtain satisfactory results in most areas of Eastern Canada.

Protection: Root injection may protect healthy elms for two years. Retreat before June of the third year. Root flare or truck injection offers annual protection only. Retreat annually.

Therapeutic: Root injection, made at the earliest stage of infection, may arrest Dutch Elm disease.

DIRECTIONS

How to use: Add 1 2/3 L "Lignasan" BLP concentrate to 10 L tap water++. (1,000 ppm solution).

Use 7 L of dilute solution plus 0.5 L per cm dbh. Inject total volume of dilute solution at operating pressure up to 150 kpa. After injecting required dosage, continue injection of water for the remainder of the 24-48 hour period. This assist chemical distribution.

Lower concentrations, 250-500 ppm provide larger volumes of fluid for maximum effectiveness. Refer to dosage schedule provided by Ontario Shade Tree Council.

Limitations: Do not treat on rainy days. Root injection treatments may be made any time during the growing season. Root flare and trunk injections may be made only after full leaf expansion.

Root Injection: At least one root per major root flare around the

base of the elm is severed at 5cm. diameter, the total number of roots increasing with the size of the tree. A root adapter connected to the reservoir by the injection line is clamped to each severed root. After removal of the apparatus the roots are sealed with grafting wax and covered over again.

Root Flare Injection: Each major accessible root flare is drilled to a depth of approximately 1 to 3 cm, the number of holes per root flare depending on the size of the flare and spaced at 15 cm intervals. After removal of the injector nozzle the wound is

sealed over with grafting wax. Treatment is effective on large or small trees.

Trunk Injection: A series of bore holes are made at 15 cm intervals around the circumference of the tree at any convenient height. An injector nozzle is fastened into the bore hole and connected to the line leading to the reservoir. After removal the wound is sealed with grafting wax. Trunk injection bore holes in trees greater than 40 cm dbh may cause continuous bleeding which can be detrimental to the tree. The condition may persist for many years.

NOTICE TO USER

This control product is to be used only in accordance with the directions on this label. It is an offense 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.

Purchase of this material does not confer any rights under patents of countries outside Canada.

++Do not use highly alkaline water or water high in calcium (water hardness in excess of 145 mg per L.) as precipitation may occur.

Made in the U.S.A

Printed in U.S.A.

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