

RESTRICTED USE PESTICIDE

Because of the high acute toxicity of triphenyltin hydroxide and its potential for creating teratogenic effects, this product may be applied only by certified applicators or persons directly under their supervision.

BRESTAN® H 47.5 WP
FUNGICIDE

in water-soluble bag

DO NOT OPEN UNTIL READY TO USE
DO NOT USE LESS THAN FULL BAG.

A FUNGICIDE FOR CONTROL OF:

- EARLY & LATE BLIGHT ON POTATOES
- LEAFSPOT ON SUGAR BEETS & PEANUTS
- SCAB & CERTAIN OTHER DISEASES ON PECANS
- BROWN SPOT ON TOBACCO
- LEAFSPOT AND ALTERNARIA ON CARROTS

ACTIVE INGREDIENT:

Triphenyltin hydroxide* 47.5%

INERT INGREDIENTS:..... 52.5%

*Equivalent to 15.3% Metallic Tin 100.0%

KEEP OUT OF REACH OF CHILDREN



DANGER



POISON

STATEMENT OF PRACTICAL TREATMENT

If possible bring this container and labeling to the attending physician.
For emergency assistance call (201) 231-2244.

IF SWALLOWED: Do not induce vomiting. Drink promptly a large quantity of milk, egg whites, gelatin solution, or if they are not available, drink large quantities of water. Call a physician or Poison Control Center.

IF INHALED: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

IF ON SKIN: Wash with plenty of soap and water.

IF IN EYES: Flush with plenty of water. Call a physician

See Side Panel for Additional Precautionary Statements.

NET CONTENTS: ONE POUND

American Hoechst Corporation
Agricultural Division
Somerville, New Jersey 08876

EPA REG. NO. 8340-15
EPA EST. NO. 8340-WG-1

Hoechst



ACCEPTED

JUN 27 1985

Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under
EPA Reg. No. 8340-15

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS

DANGER - Fatal if inhaled. Corrosive, causes irreversible eye damage. May be harmful or fatal if swallowed or absorbed through the skin. Do not get in eyes, or on skin. Do not breathe dust, vapor, or spray mist. When handling either products containing TPTH or spray-diluted mixtures, wear protective clothing (long pants, long sleeve shirt, impermeable gloves, hat, boots, and a pesticide respirator jointly approved by the Mining Enforcement and Safety Administration and the National Institute for Occupational Safety and Health.) When handling the concentrated products, wear a face shield. Wash thoroughly with soap and water after handling and before eating or smoking. Remove contaminated clothing and wash before reuse. Do not enter treated areas for at least 24 hours after treatment.

The United States Environmental Protection Agency has determined that triphenyltin hydroxide causes birth defects in laboratory animals. Exposure to triphenyltin hydroxide during pregnancy should be avoided.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and wildlife. Do not apply directly to water or wetlands. Drift or runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Cover or incorporate spills. Do not contaminate water by cleaning of equipment or disposal of wastes.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Do NOT reuse outer container. Dispose of outer container in an approved sanitary landfill or by incineration if allowed by state and local authorities. Spray mixture, or rinse water that cannot be disposed of according to label directions must be disposed of according to Federal or state procedures under subtitle C of the Resource Conservation and Recovery Act

Do NOT store near heat or open flame.

Store in locked area away from food, feed or fertilizer. If container is damaged or leaking call (201) 231-2244. (For specific instructions.)

BEFORE USE, READ DIRECTIONS, WARNING AND NOTICE STATEMENTS CAREFULLY

DO NOT OPEN UNTIL READY TO USE, DO NOT USE LESS THAN FULL BAG

Consult agricultural extension or agricultural experiment station specialists regarding timing recommendations. This product is intended for large acreage use only.

GENERAL INFORMATION

Full coverage is necessary for best results. Diluted spray should be directed to all parts of the plant uniformly and gallonage increased according to size of plants. Use the lowest application rates in protective schedules, higher rates later in the season or during high infection periods.

DIRECTIONS FOR USE:

It is a violation of Federal law to use this product in a manner inconsistent with this label. This product may be applied only by certified applicators or persons directly under their supervision.

MIXING

Before adding BRESTAN H FUNGICIDE to the spray tank, partially fill with water. Cut or tear outside package along dotted line. Do not open, break or perforate the inner bag. Remove water soluble inside package and place in partially filled tank while agitating. After mixing thoroughly, add remaining water to spray tank. Continuous agitation within the spray tank is essential.

SUGAR BEETS: BRESTAN H FUNGICIDE is recommended for control of leafspot (*Cercospora beticola*) on sugar beets. **GROUND APPLICATION** -- Apply 4 to 10 ounces of BRESTAN H FUNGICIDE per acre in at least 15 gallons of water. Full coverage of the foliage is necessary for best results. **AERIAL APPLICATION** -- (helicopter or fixed wing aircraft). Apply 4 to 10 ounces per acre in 5 to 10 gallons of water. Diluted spray should be directed uniformly to all parts of the plant and the gallonage increased according to the size of the plants. Use the lowest rate only in protective schedules, higher rates later in the season or during high infection periods. Application should begin when leafspot conditions appear or when the disease is in the area and repeated at 10 to 14 day intervals. Do not treat within 14 days of harvest. Do not graze or feed beet tops to livestock.

POTATOES: EARLY AND LATE BLIGHT -- **GROUND APPLICATION** -- Apply 5 to 10 ounces of BRESTAN H FUNGICIDE per acre in at least 15 gallons of water. Full coverage of the foliage is necessary for best results. A spray pressure of less than 200 lbs. is recommended. **AERIAL APPLICATION** -- (helicopter or fixed wing aircraft). Apply to 10 ounces per acre in 3 to 10 gallons of water. For helicopter application, fly high enough so as to not whip the vines. Diluted spray should be directed uniformly to all parts of the plant and the gallonage increased according to the size of the plants. **IRRIGATION SYSTEM APPLICATION** (flood-sit or center-pivot system only) -- Apply 6 to 10 ounces per acre. Do not apply through center-pivot (circle) system which uses water pressure for movement of system. Irrigation system must be

equipped with safety valves or other devices to prevent backsiphoning of pesticide into water source. Any irrigation water treated with this product should be held on the treated area until it is absorbed by the soil. It should not be turned into the tail water or fed back into the irrigation system. For complete directions regarding application, refer to supplementary information available at point of sale. Application should begin with the appearance of blight weather conditions and continue on a 7 day schedule. Do not treat within 7 days of harvest when applied by ground or aerial application equipment and not within 33 days when applied by irrigation system. The lower rate of application should be used early in the season and the high rate mid to late season or when blight infection is in the area.

PEANUTS: BRESTAN H FUNGICIDE is recommended for control of Cercospora leafspot on peanuts. GROUND APPLICATION -- Apply 5 to 8 ounces per acre in 10-100 gallons of water. AERIAL APPLICATION -- (helicopter or fixed wing aircraft). Apply 5 to 8 ounces per acre in 3 to 10 gallons of water. Use lower rate when leafspot is light, increasing rate as disease pressure increases. Apply in sufficient water for uniform, full-coverage of foliage. Use lower gallonage in early season when plants are small and increase spray volume as plant size increases. Application should begin approximately 6 weeks after planting or as soon as first signs of leafspot appear. Spray applications should continue on a 10 to 14 day schedule. Do not apply within 14 days of harvest. Do not allow hogs to feed on peanuts in treated fields. Hulls from treated peanuts may be used in feed for livestock; do not use vines as feed.

CARROTS: BRESTAN H FUNGICIDE is recommended for control of Cercospora leafspot and Alternaria blight on carrots. Apply 4 to 8 ounces per acre, use lower rate when diseases are light, increasing rate as disease pressure increases. Apply in sufficient water for uniform, full-coverage of foliage -- 25 to 100 gallons per acre. Use lower gallonage in early season when plants are small and increase spray volume as plant size increases. Applications should begin 6 weeks after planting or as soon as first signs of diseases appear. Spray applications should continue at 7-day intervals or as needed for continued control. Do not apply within 14 days of harvest. Do not use tops as feed for livestock.

TOBACCO: BRESTAN H FUNGICIDE is suggested for control of Brown spot (Alternaria longipes) of tobacco in Southeastern United States. Mix one pound of BRESTAN H FUNGICIDE per 100 gallons of water and apply 40 to 60 gallons per acre (6.5 to 9.5 ounces BRESTAN H per acre) as a full coverage spray. Diluted spray should be directed to all parts of the plant. Applications should begin immediately after the first priming (harvest) and repeated immediately after each weekly priming.

PRECAUTIONS: BRESTAN H FUNGICIDE may be applied in combination with wettable powder insecticides but should not be used in combination with emulsifiable concentrate or oil spray formulations on sugar beets, tobacco, carrots, peanuts and potatoes (except on potatoes in the states of Washington, Oregon, Idaho, northernmost counties of California and Red River Valley areas of North Dakota and Minnesota where it may be used in tank mix with emulsifiable concentrates of Thiodan, Meta-Systox R, DE-FEND® and Guthion). Observe all cautions and limitations on labeling of all products used in mixtures. Do not add surfactants, spreaders, or stickers to BRESTAN H FUNGICIDE sprays. Do not graze dairy or meat animals in treated areas.

PECANS: SCAB, BROWN LEAF SPOT, DOWNY SPOT, POWDERY MILDEW, LIVER SPOT, SOOTY MOLD AND LEAF BLOTCH -- AERIAL APPLICATION -- (helicopter or fixed wing aircraft). Apply 0.75 to 1.5 pounds per acre in a minimum of 20 gallons of water. GROUND APPLICATION -- Mix 0.2 to 0.6 pounds (3.2 to 9.6 ounces) of BRESTAN H for each 100 gallons of water (1 to 3 lbs. per 500 gallon tank) and apply as a full coverage spray. Dilute spray should be directed to all parts of the tree. Applications should begin at pre-pollination stages when the young leaves are unfolding, and a second application made when the small nuts are forming. Repeat spray applications at 2 to 4 week intervals as needed to maintain control. Use the lower rate for the first two applications or until disease becomes severe or during dry weather. Use the higher rate during wet weather or during severe scab, powdery mildew, or other disease infections. Do not apply after shucks have started to open.

PRECAUTIONS: BRESTAN H may be applied to pecans in combination with wettable powder insecticides or emulsifiable concentrate formulations. Do not graze dairy or meat animals in treated areas.

IMPORTANT NOTICE: DISCLAIMER

Read "IMPORTANT NOTICE: DISCLAIMER" before buying or using. If terms are not acceptable, return at once unopened. AMERICAN HOECHST CORPORATION warrants only that the product conforms to the chemical description on the label and is reasonably fit for the purpose stated on the label when used in accordance with the directions under normal conditions of use. This warranty does not extend to the use of this product contrary to label instructions or under abnormal conditions, or under conditions not reasonably foreseeable to AMERICAN HOECHST CORPORATION, and user assumes the risk of any such use. AMERICAN HOECHST CORPORATION MAKES NO OTHER WARRANTY, EXPRESSED OR IMPLIED, INCLUDING ANY OTHER EXPRESSED OR IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR OF MERCHANTABILITY. In no case shall AMERICAN HOECHST CORPORATION be liable for consequential, special, indirect or incidental damages resulting from the use or handling of this product. The foregoing conditions of sale and warranty can be varied only by an agreement in writing signed by a duly authorized representative of AMERICAN HOECHST CORPORATION.