

IMPORTANT -- HOW TO USE THIS PRODUCT

Cut or tear this package along dotted line.

Remove water soluble pack and place in spray tank. Destroy outer bag.

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

ACCEPTED
with COMMENTS
by EPA

BRESTAN® H 47.5 WP
FUNGICIDE
in water-soluble bag

NOV 19 1982

Under the
Fungicide
as amended
registered

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%

100.0%

*Equivalent to 15.3% Metallic Tin

KEEP OUT OF REACH OF CHILDREN

DANGER

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED -- Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person. See a physician immediately.

IF INHALED -- Remove victim to fresh air and apply resuscitation if indicated.

IF ON SKIN -- Immediately remove contaminated clothing, including shoes, and wash skin with soap and plenty of water. If irritation develops see a physician.

IF IN EYES -- Rinse eyes for at least 15 minutes with water. See a physician immediately.

If possible bring this container and labeling to the attending physician. For emergency assistance call (201) 231-2000.

See Side Panel for Additional Precautionary Statements.

NET CONTENTS: ONE POUND

Hoechst



American Hoechst Corporation
Agricultural Division
Route 202-206 North
Somerville, New Jersey 08876

EPA Reg. No. 8340-

EPA Est. No. 2393-IL-3

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
DANGER

May be fatal if swallowed or absorbed through skin. Causes irreversible eye damage. Do not get in eyes, on skin or on clothing. Do not breathe dust or spray mist. Wear protective clothing, rubber gloves, goggles or face shield and a mask or pesticide respirator jointly approved by the Mining Enforcement and Safety Administration, and the National Institute for Occupational Safety and Health. Wash thoroughly with soap and water after handling and before eating or smoking. Remove contaminated clothing and wash before reuse.

ENVIRONMENTAL HAZARDS

This product is toxic to fish and wildlife. Do not apply directly to water. Birds feeding on treated areas may be killed. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water by cleaning of equipment, or disposal of wastes. Apply this product only as specified on this label.

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.

ACCEPTED
with conditions
EPA 111

NOV 19 1960

Under
For
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Reg

8390-15

DIRECTIONS FOR USE:

It is a violation of Federal law to use this product in a manner inconsistent with its label.

STORAGE AND DISPOSAL

Prohibition: Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited. Do not reuse empty container.

Pesticide Disposal: Spray mixture, or rinse water that cannot be used according to label instructions must be disposed of according to Federal or approved state procedures under Subtitle C of the Resource Conservation and Recovery Act.

Container Disposal: Dispose of empty outside poly bag in a sanitary landfill or by incineration if allowed by State and local authorities.

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 psi. is recommended. **AERIAL APPLICATION** -- (helicopter or fixed wing aircraft). Apply 5 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** (solid-set 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

BEST BEFORE 10/10/81

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. NOV 19 1932 8340-15

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

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, EXPRESS OR IMPLIED, INCLUDING ANY OTHER EXPRESS 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.

ACCEPTED
with COMMENTS
in EPA Letter Dated:

NOV 19 1982

8340-75

SUPPLEMENTARY
LABEL INFORMATION

BRESTAN® H 47.5 WP
FUNGICIDE

Wettable Powder in Water Soluble Bags

DANGER

Keep Out of Reach of Children

SEE LABEL ON PRODUCT
PACKAGE FOR ADDITIONAL
DIRECTIONS, WARNINGS,
PRECAUTIONS AND NOTICE
(WARRANTY)

ACCEPTED
with COMMENTS
EPA Label Draft

NOV 19 1982

Under the
Fungicide, an
amendment
registered on
8340-15

Hoechst



American Hoechst Corporation
Agricultural Division
Route 202-206 North
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SPRINKLER IRRIGATION EQUIPMENT TO APPLY BRESTAN[®] H 47.5 WP FUNGICIDE

GENERAL DIRECTIONS

Apply 6 to 10 ounces of BRESTAN[®] H fungicide per acre, use only solid-set or center-pivot (circle) type equipment (do not apply through center-pivot equipment which uses water pressure to move the system over the field). In solid-set system, application may be made as a part of the irrigation cycle or as a separate treatment. 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.

EQUIPMENT -- Tank connected to the suction side of irrigation pump, field sprayer or other pressurized equipment connected to the main irrigation line may be used for injection. Good agitation must be provided in injection tank.

SOLID-SET -- CALIBRATION AND USE

1. Measure acreage covered by sprinklers.
2. Operate solid-set irrigation system and injection equipment at normal pressures. ^{8340.15}
3. Fill tank of injection equipment.
4. Adjust flow from injection equipment to use contents over a period of 10 to 30 minutes.
5. For application of BRESTAN H fungicide, mix desired amount of product for acreage to be covered (see label for rates per acre, timing, stages of growth and other information) into quantity of water used during prior calibration and operate entire system for amount of time established during calibration. BRESTAN H fungicide should be injected at the end of the irrigation cycle or as a separate application.
6. Stop injection equipment after treatment is completed and continue to operate irrigation system until BRESTAN H fungicide has been cleared from the last sprinkler head. Refer to dye method of timing discussed below:

CENTER-PIVOT -- CALIBRATION AND USE

1. Operate center-pivot system and injection equipment at normal pressure.
2. Fill tank of injection equipment.
3. Operate entire system for one complete circle, measure time required, amount of water used and acreage covered.
4. For application of BRESTAN H fungicide, mix desired amount of product for acreage to be covered (see label for rates per acre, timing, stages of growth and other information) into quantity of water used during prior calibration and inject into system continuously for one complete revolution of the field.
5. If irrigation is to be stopped after BRESTAN H fungicide has been applied, shut off the injection equipment after treatment is completed and continue to operate irrigation system until BRESTAN H fungicide has been cleared from the last sprinkler head. Refer to dye method discussed below.
6. With center-pivot system, irrigation cycle may be continued after injection has been stopped.

DYE CALIBRATION

A recommended procedure for establishing the time which will elapse from stopping the injection of BRESTAN H fungicide to its clearance from the last sprinkler is as follows:

1. During calibration of injection equipment as described above, insert a water soluble Food, Drug and Cosmetic approved dye into the irrigation line at the injection point and record the time it takes for the dye to be released from the last sprinkler head.
2. Collection of water from the last sprinkler in a glass jar will assist in observing when dyed water reaches that point.

ACCEPTED
with COMMENTS
by EPA Letter Dated:

NOV 19 1982

Under
Fungicide
as indicated
registration

8340-15

<p align="center">U.S. ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (WH-567) WASHINGTON, D.C. 20460</p> <p>NOTICE OF PESTICIDE: <input type="checkbox"/> REGISTRATION <input type="checkbox"/> REREGISTRATION <i>(Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended)</i></p>	<p>EPA REGISTRATION NO. DATE OF ISSUANCE NOV 19 1982</p> <p>TERM OF ISSUANCE</p> <p>NAME OF PESTICIDE PRODUCT</p>
<p>NAME AND ADDRESS OF REGISTRANT (Include ZIP code)</p> <div style="text-align: right; margin-top: 20px;"> $\frac{160}{18} \quad \frac{85.225}{1}$ </div>	
<p>NOTE: Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.</p>	
<p>On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.</p> <p>A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.</p> <p>Registration is in no way to be construed as an indorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.</p>	
<p><input type="checkbox"/> ATTACHMENT IS APPLICABLE</p>	
<p>SIGNATURE OF APPROVING OFFICIAL</p>	<p>DATE</p>