DLYMPIC BENOMYL 50 DF

TOTAL

1001

EPA Peg. No. 59807 -

EPA Est. 33967-NJ-1

Under Lie.

Rodenticide Act e

KEEP OUT OF REACH OF CHILDREN

CAUTION

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION! MAY IRRITATE EYES, NOSE, THROAT AND SKIIL.

Avoid breathing dust or spray mist. Avoid contact with skin, eyes and clothing. Wash thoroughly after using.

Do not apply this product in such a manner as to directly or through drift, expose workers or other persons. The area being treated must be vacated by unprotected persons.

Protective clothing must be worn during periods of exposure. See Directions for Use.

This product may cause a temporary altergic skin reaction in a few susceptible persons. This condition should be treated as an altergic dermalitis. There is no evidence of atterellects or permanent injury.

First Aid: In case of contact, thish skin or eyes with plenty of water; for eyes, get medical attention.

For medical emergencies involving this product, call toll free 1-800-441-3637.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. Do not apply directly to water. Do not apply vivere runoff is likely to occur. Drift and wholf from the pesticide is toxic to fish. Do not apply directly to water. Do not apply when weather conditions tavor drift from areas treated.

PHYSICAL OF CHEMICAL HAZARDS

Keep away from fire or sparks.

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DIRECTIONS FOR USE

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

Olympic "Senomyl" 50 DF should be used only in accordance with recommendations on this label, or in separate published Olympic recommendations available through local dealers.

Olympic will not be responsible for losses or damages resulting from use of this product in any manner not apecifically recommend by Olympic. User assumes all risks associated with such nonrecommended use.

Do not enter treated areas without protective clothing until aprays have dried. Because certain states may require more res ictive reentry intervals for various crops treated with this product, consult your State Department of Agriculture for information.

Further

Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. When oral warnings are given, warnings shall be given in a language customarily understood by workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. Warnings must include the following information: "CAUTION: Area treated with 'Benomyl' 50 DF on (date of application). Do not enter without appropriate protective clothing until sprays have dried. In case of contact, flush skin or eyes with plenty of water; for eyes, get medical attention."

"Benomy." 50 DP is recommended for the control of certain diseases of roses, flowers, ornamentals, shade trees and bulbs.

If treatment is not effective following use of "Benomyl" 50 DF as recommended, a resistant strain of the fungus may be present. If treatment is ineffective due to the presence of a benomyl resistant strain, then neither "Benomyl" 50 DF nor any other benzimidezole or thiphanate type fungicide will effectively control that disease; consideration should be given to prompt use of other types of suitable fungicides.

The repeated exclusive use of "Benomyl" 50 DF may lead to buildup of resistant strains of fungi and loss of disease control. A spray program using other fungicides may delay resistant strain buildup. Consult your state extension specialist or official state recommendations for guidance on your particular crop and disease control situation.

NOTE: Do not tank mix or alternate "Benomyl" 50 DF with benzimidazole or thiophanate products such as Mertect 1. Topsin 2. Fungo 3, or 3336 4.

WORK SAFETY RULES

Keep all unprotected persons, children, livestock and pets away from treated area or where there is danger of drift.

During mixing and loading of the concentrated product wear the following protective clothing and equipment:

Long sleave shirt and long legged pants; chemical resistant gloves, chemical resistant apron; chemical resistant shoes, shoe coverings or boots.

Wear the following protective clothing during application, equipment repair and equipment cleaning:

Long sleave shirt and long legged pants; chemical resistant gloves, chemical resistant shoes, shoe coverings or boots.

IMPORTANT! Before removing gloves, wash them with soap and water. Always wash hands, face and arms with soap and water before smoking, eating, drinking or toileting.

After work, take off all clothes and shoes. Shower using soap and water. Wear only clean clothes. Do not use contaminated clothing. Wash protective clothing and protective equipment with soap/detergent and water after each use. Personal and protective clothing worn during use must be laundered separately from household articles. Clothing or protective equipment heavily contaminated or drenched with benomyl must be destroyed according to state or local regulations. Heavily contaminated or drenched clothing cannot be adequately decontaminated.

CHEMIGATION: Apply "Benomyl" 50 DF only through sprinkler including center pivot, lateral move, end tow, side (wheel) roll, traveler, big gun, solid set or hand move irrigation systems only on crops specifically designated in the "Directions for Use" for that particular crop. Do not apply "Benomyl" 50 DF through any other type of irrigation system or on any other crops.

Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from nonuniform distribution of treated water.

If you have questions about calibration, you should contact State Extensions Service Specialists, equipment manufacturers or other experts.

Do not connect an irrigation system (including greenhouse systems) used for pasticide application to a public water system unless the pesticide label prescribed safety devices for public vater systems are in place.

A person knowledgeable of the chemigation systems and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

SPECIFIC INSTRUCTIONS FOR PUBLIC WATER SYSTEMS:

- Public water system means for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year.
- 2: Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, backflow preventer, (RPZ) or the functional aquivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservior tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservior tank of at least twice the inside dismeter of the fill pipe.
- The pesticide injection pipeline must contain a functional, automatic, quick closing check valve to prevent the flow of fluid back toward the injection pump.
- 4. The pesticide injection pipeline must contain a functional, normally closed, solenoid-operated value located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
- 5. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops, or in cases where there is no water pump, when the water pressure decreases to the point where pesticide distribution is adversely affected.
- 6. Systems must use a metering pump, such as a positive displacement injection pump (e.g. diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a a system interlock.
- Do not apply when wind speed favors drift beyond the area intended for treatment.

SPECIFIC INSTRUCTIONS FOR SPRINKLER IRRIGATION SYSTEMS:

- The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.
- The pesticide injection pipeline must contain a functional, automatic, quick closing check valve to prevent the flow of fluid back toward the injection pump.

she posticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply ta: when the irrigation system is either au writeal Tr.tically or manually shut down.

- 4. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
- The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pasticide distribution is affected.
- Systems must use a metering pump, such as a positive displacement injection pump (e.g. diaphragm pump) effectively designed and constructed of materials that are conpatible with pesticides at capable of being fitted with a system intersock.
- Do not apply when wind speed favors drift beyond the area intended for treatment.

Good agitation is required in the injection tank.

- In moving systems, apply specified dosage of "Benomyl" 50 DF as a cont'nuous injection. In nonmoving systems inject "Benowyl" 50 DF for 15 to 30 minutes at end of cycle. Use the least amount of water possible consistent with uniform coverage.
- 10. Mix the amount of "Benomyl" 50 DF needed for acreage to be treated into the quantity of water determined during prior calibration. For moving systems inject into system continuously for one complete revolution of the field. For nonmoving systems inject into system for the time established during calibration.
- 11. Stop injection equipment after treatment is completed and continue to operate irrigation equipment until all "Benomyl" 50 DF is flushed from system.

OSES, FLOWERS, ORNAMENTALS, SHADE TREES

rield and Greenhouse: Foliar Spray - Begin applications when disease first appears and repeat at 10 to 14 day intervals throughout the growing season; shorten interval during humid, rainy weather. Use at the following rates: 1/2 lb. per 100 gals. (1 tablespoon per 2 gals.) for Powdery Hilder, Botrytis Gray Hold, 1 lb. per 100 gals. for Anthracnosa (for shad trees and woody ornsmentals; begin at bud h tk and make 2 or 3 additional app-lications at 10 to 14 day intervals); Black Spot of roses: Ca: :ospora, Entomosporium, Ramularia and Septoria Leafspots: Ascochyta and Phomopais blights; Didymellina Leafspot of iris; Cornynespora, Leafspot of Ligustrum; ovulinia Blight of azales and rhododendron (begin as flowers open); Scab of pyacantha and flowering crab. Addition of a surfactant to the spray mixture improves distribution of the spray on hard-to-wet plants such as roses For acrial application, use 1/2 to 1 lb. per

Drench Treatment: Botrytie, Fusarium, Rhizoctonia prench freatment: Sotrytis, ruserium, Rhizoctonia and Scierotinia siem, crown and root rots on herbaceous annuals, perennials and bedding plants: Cylindrocladium and Thielaviopsis rots on woody ornamentals such as azaleas, rhododendrons, coniters, and poinsettias. Use 1 lb. per 100 gals.; apply as a drench or heavy spray (1 to 2 pts. per sq. ft.) after transplanting into propagation hads or containers. Memory at 2 to 4 week interbeds or containers. Repeat at 2 to 4 week intervals during periods favorable for disease. "Benocyl" 50 DF does not control Pythium app. or Phytophthora spp.

Preplant Dip Treatment: For diseases listed under Drench Treatment, use 1 lb. per 100 gals. of water: immerse plants or outtings for 10 to 15 min.; remove and allow to drain.

Diplodia Tip Blight (Diplodia pies) on Austrian Red and Scotch Pine: Apply 16 or. per 100 gals. of water along with a compatible spreader/sticker at recommended rates to entire trees. Thorough covered to the country of the country erage of new growth (developing bude and elong-ating candles) is essential for optimum control. The Make a second application 10 to 14 days later just prior to needles emerging from the sheath; make a second third application 10 to 14 days later. prook.

Rhabdocline needle-cast (Ribdocline app.) and Swiss needle-cast (Phalocryptopus gaumanni): Apply 1 lb. of "Benomyl" 50 DF per 100 gallons along wi : a competible apreader/sticker at recommended rates to entire tree. Thorough coverage is essential for optimum disease control. Begin application in the spring when new growth starts. Make three additional applications 21 days apart.

BULBS (Easter Lily, Tulip, Gladiolus, Daffodil, Iris): Fusarium and Penicillum Rots: Use 1 2/3 lbs. per 100 gals. of water (2 tablespoons per gal.). Soak cleaned bulbs for 15 to 30 per gal.). Soak cleaned bulbs for 15 to 30 minutes in warm dip (80 to 85 degrees P.) preferably within 48 hours after digging. Dry bulbs after treatment. If bulbs are for forcing, treat after bulbs have been heat-cured.

STORAGE AND DISPOSAL

STORAGE: Never allow "Benomyl" 50 DF to become wet during storage. This may lead to certain Chemical changes which will reduce the effectiveness of "Benomyl" 50 DP as a fungicide. Keep container tightly closed when not in use. Store product in original container only, away from other posticides, fertilizer, food or feed.

PRODUCT DISPOSAL: Do not contaminate water, food, or feed by storage or disposal. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Completely empty container in application equipment. Triple rinse (or equivalent). Then offer for recycling or reconditioning or puncture and dispose of empty container in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

. NOTICE OF WARRANTY

Olympic warrants that this product conforms to the chesical description on the label thereof and is reasonably fit for purposes stated on such label only when used in accordance with the directions under normal use conditions. It is impossible to eliminate all risks inherently associated with the use of this product. 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 Olympic. In no case shall Olympic be liable for consequential, special or indirect damages resulting from the use or handling of this product. All such risks shall be assumed by the Buyer. OLYMPIC MAKES NO WARRANTIES OF MERCHANTABILITY OF FITNESS FOR A PARTICULAR PURPOSE FOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

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