NOT FOR USE IN CALIFORNIA

PENNCOZEB" D

75% Dry Flowable fungicide

A Coordination Product of Manganese and Zinc and Ethylenebisdithiocarbamate [CCEPT]

MAR 1 3 1989

Under the Federal Insection

Fungicia.

ACTIVE INGREDIENT. A coordination product of zinc ion and manganese ethylenebisdithiocarbamate ...

Zinc++

Ethylenebisdithiocarbamate ion . . . $(C_4H_6N_2S_4)$

INERT INGREDIENTS

TOTAL

75 penticide Act.

KEEP OUT OF REACH OF CHILDREN CAUTION

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED, call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce varniling by touching back of throat with finger. Do not induce varniting or give anything by mouth to an unconscious person.

IF ON SKIN, wash with plenty of soap and water. Get medical attention

IF IM EYES, flush eyes with planty of water. Call a physician if irritation persists.

See Inside Panel for Additional Precautionary Statements

For Directions for Use and Chemigation Instructions see Following Pages



EPA Registration No. 4581-370 EPA Establishment No. 33910-HL-01

NET CONTENTS 50 LBS./22.68 KG.

ACCEPTED

Sold by:

AGCHEM DIVISION—PENNWALT CORPORATION Philadelphia, PA 19102

Under the Federal Insecticide. Pungicide, and Rodenticide for

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The state of the s

PROPOSED LABEL

PRECAUTIONARY STATEMENTS

Hazards To Humans (And Domestic Animals)

CAUTION

May cause irritation of eyes. Harmful if swallowed, Inhaled. or absorbed through skin. Avoid contact with eyes, skin, or clothing. Wash thoroughly with soup and water efter handling.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. Oritt and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not apply directly to water or wetlands (swamps, bogs, marshes, and potholes), except as specified for the labeled use on cranberries. Do not contaminate water when disposing of equipment washwaters.

CHEMICAL HAZARDS

Do not allow to become wet during storage. This may lead to certain chemical changes which will reduce the effectiveness of the product as a fungicide and create vapors which may be l'ammable. Keep container closed when not in use.

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DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a mariner inconsistent with its labeling

Do not enter treated areas without protective clothing within 24 hours after applicabon Secause certain states may require more restrictive reentry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.

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, such warnings shall be given in a language customarily understood by the workers. Oral warnings must be given it there is reason to believe that written warnings cannot be understood by the workers. Written wernings must include the

following information: "CAUTI treated with PENNICOLES 75DF 1 Area icide on (date of application)."

After sprays have dired/dusts have settles ... not enter or allow entry into treated areas until the 24-hour reentry interval has expired unless wearing the personal protective equipment issled below

WORKER SAFETY RULES

"我说我我说。"

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

Do not rub eyes or mouth with hunds. See Statement of Fractical Treatment.

PERSONAL PROTECTIVE EQUIPMENT—For Miners, Loaders, Applicators and Early Reentry Workers.

HANDLE THIS PRODUCT ONLY WHEN WEARING THE FOLLOWING PRITISCHIVE CLOTHING AND EQUIPMENT: a long-sleeve shirt and long parits of a losserabilitati covers all parts of the body except the head, hands, and feet; chemical resistant gloves, shoes, secks, and goggles or a face sheld. During mixing as a $12.86\,\mathrm{mpc}$ s chemical resistant apron must also be worn

During application from a tractor with a completely enclased cab with posts in pressure filtration, or aerially with an enclosed pocheil, a long-sleeve shirt and love pants may be worn in place of the above protective clothing. Chemical resistant gloves must be available in the cab or cockpit and worm white exiting

IMPORTANT! Before removing gloves, wash them with soap and water. Always week hands, face, and arms with seep and water before eating, smoking or drink. The Always week hands and arms with seep and water before using the tollet.

After work take off all clothes and shoes. Shower using soap and water. Wi clean clothes. Do not use contaminated clothing. Wash protective clothi protective equipment with soap and water after each use. Personal clother during use must be laundered separately from household articles. Cloth protective equipment heavily contaminated or dienched with PENNCOZEB i destroyed according to state and local regulations. HEAVILY CONTAMINA DRENCHED CLOTHING CANNOT BE ADEQUATELY DECONTAMINATED.

During aerial application, human flaggers are prohibited unless in totally e vehicles.

PENNCOZEB is a dry flowable fungicide containing a coordination product ion and manganese ethylenebisdithlocarbamate, and is recommended for u spray for the control of many important plant diseases

AS A SPRAY, (Ground or aerial equipment) apply at the rate shown. Use so water to provide thorough coverage, usually 20 100 gallons per acre for equipment and 5-8 gallons per acre for aircraft. Use a Spreader Sticker at 4 ft oz per 100 gallons spray if needed. Add product slowly to water in th tank with apitation, or premax thoroughly in separate holding tank for conc or arreraft sprayers. Continuous agitation is required to keep the product in s sion.

Where a range of Application TALPA is given, the higher rate should be used under conditions of severe discase presente.

FIELD CHOPS

CHOPY	BELASES	RATE LINE/SCRE	REMARKS
Barley, Oets Rys	Homerstasportum Leaf Blight Septema Leaf Sout	,	Begin applications at littaining to jointing stage and repeat at 7 to 19 day intervals. Do risk make many than three applications, din not a water 26 days of harvest, do not graze tradi area within 26 days other application.
Sugar Boots	Cricaspora Ecal Spoi	1747	Bryan psychopers when distance first throops and repost at 7- to 10-day intervals. Do had apply within 14 days of pervent
Prenett	Carcangora Leaf Spot	1-2	Begin applications, when distant first applies and regard of 10- to 14-day intervals, or of 2-day intervals during humble continue. If purpose view tops in to be recel for findereck. Bod, do not not many than 116 pounds per acre per application. Do not apply within 14 days of tervars.
Collins (Southward Griff)	Rugi	114.7	Brow applications when tred first appears in the area and repair at 10 to 14 day secured. On my apply after both open do not grass treated treats in ford gan hash to twesters.
West	Ittinuthesprium Lust Spots Septem I cut Spots Septem Ghave Botch Last Russ Tax Sent	2	Start topic prior to enter of disease in when plants are or illiaring to present stage and repeat at 7 in 10 day intervals. Do not mak more than 3 applicables in one season On not apply within 25 days of hervist. On not prace bening to diseased arress within 26 days after application.

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CHOPS	DOMESTIC	LEGACIN	ACMANET
Peldecs	Early and Late Blights	1.2	Buyer appropriate when plants are 4.6 Inch ligh, and report at 7. to 10-day interests before frequently under sovere frequent association of Decophant the season
Public Trace Tracetraped	Fearing East Pass Decay	-	Oils which or cut soull output in mighter of 1% Re. of product per 50 gallors of under orals and patel immediately. If pany propies are to be field before plotting, agreed out to dry he a deaf paten. Do not you breaked seed portrafter folig or soull purposes.
Terrutors	Forly and Late Studies Grey Leaf Spot Grey Leaf Might Anthronoms	16.3	Reprint applications when so-rimps emproper and repost of 7 day interests throughout the season. The next apply within 5 days of home
C Senders M. W. Rur wat Square	Afthromese Atturning Last Spot Corcusants Last Spot Daving Milder Germing State Bught Scale	1)	Single applications of the 7 feet stage and report of 5- to 7 day intervals. Do not apply within 5 days of herves!
Com 11 Sept and . Papers a	Jedenstagen J. Led Bank B. Ligitet	19 14	Apply PERINCULES in sufferior mater for a startegy coverage. Surt applications when dending first appears and repost in 4 to 7-

VECETABLE CROPS (LATERIAL)

CAPPE	BISLASES	NATE LULACINE	Marver
fu is two	Hermathosponiai. e cal filight	115	Apply FitterCoZtR or sufficient water for Borough coverage. Start applications when disease tray applics and repeat at 4 to 7 day interests. Do not suply writes 40 days of Revisal.
Omons (Dr.) built)	Bottyky I zal Bughi Doutry Welcu Mich Rat Purper Bussel.	2.3	Super applications when diseases are list reported in the area and repost at 7 day extensis averageout the salson. Do not apply select 7 days of harrest de not apply to expose liste.
Catery format	Early and Look Biophys	2	Begin applications in plant bods as soon as plants emerge repeal at 3 to 5 day intervals in plant bod and at 7-day intervals after pith-ts are set in feed. Do not apply within 14 days of harvest.
Carion	Atternaria Leaf Cook Carcospora Leaf Spui	1'4-2	Begin applications when discase first appears, and report at 7- to 16-day intervals. De not apply within 7 days of NAMest. Do not use treated tops for feed or feed purposes.
*\$\$41.\$\text{\$41.}	Must	2	Buyer applications when must first appears and repeat at 18-day letterness as regular. Use only on firms after speaks have been harvested.

FRUIT CHOPS

5y51

CHOPS	DISEASES	RATE	Name
Appers Pears Carbapoles Curta	B- tes R.a. Brach Ho! Brown Rot Cordesport Russ Sty Speck Soch Bhach Scab	j - 7 per IOR gel Cintehed epray	Use PC MICO/EB at 1.2 No. par 180 gallons of fembrot surer and apply up to 10 No. of product per acce per application (for first volume Serys), adjust accordingly? Apply at 2. No. 14-Cay enterest throughout the senson for scall—lagger at presenting or delayed don-sant stage. For computager are able some time for infer diseases at the 10 Cover Add Spreader Sacker to spray distince for figs. 3 cover agrays.
			FOR APPLES. Do not apply within 30 days of harvest in Bornhein states or 21 days in Southern states or 21 days in Southern states. (Seathern area applies to Arsansan Debarrae, Minnoto trabase, Marsan, Marsa
			FOR IREARS, CRAGADPILES AND QUANCE Do not apply within 13 days of honest and do out graza investock in tracked areas.
Cidaberias	File Rus	3.6	Bright applications at whill bleam and restall at 7 to 10 day intervels. Do not apply within 30 days of harvest
Grapus	Buck Ros Sunch Rut Dead Arm Downy Middew	124	Apply when shoots are in to 115 unings long when shoots are 3-5 under long and when shoots are 3-5 under long and when shoots are 3-5 under long contage at 10- to 14-day unbrush. But do not apply within 65 days of lavour in Captionsa do not apply after that set
rignis	Anthrachuse Physophysera Fred Rol	224	Add Spreader Séclar in agray missing Bogin applications at Remoting Birm, regard at 14-day interrupt on at 7-day interrupt sender spread disease admitted in Ticul cross and bioscom area

CHEMIGATION NOT FOR THIS USE IN CALIFORNIA **GENERAL INSTRUCTIONS**

Apply this product only through aprinter irrigation systems including center pivot, lateral move, and low, side (wheel) foll, travaler, big gun, solid set, or hand move. Do not apply this product through any other type of irrigation system.

Crap Injury, lack of effectiveness, or illegal posticide residues in the crop can result from monumform distribution of treated water

If you have any questions about calibration, you should contact State Extension. Service specialists, equipment manufacturers or other experts

A person knowledgeable of the chemigation system and responsible for its 900

PROPOSED LABEL

Do not connect chemigation system to any public water system. Public water system means a system for the provision of piped water for human consumption If such system has at least 15 service connections or requiarly serves an average of at least 25 Individuals daily at least 60 days out of the year

SYSTEM REQUIREMENTS

Systems utilizing a pressurted water and pertiode injection system must meet the following requirements.

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 perfecte injection pipeline must comain a functional, automatic, quick closing check valve to prevent the flow of fluid back toward the injection pump.

The perficide 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 tank when the irrigation system is either automatically or manually shut down

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops

The imgation 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 posticide distribution is adversely affected.

Systems must use a melering 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 system interlock

INSTRUCTIONS FOR SPRINKLER (OVERHEAD) IRRIGATION:

Observe the requirements in the System Regulrements section above

Do not apply when wind speed favors drift beyond the area intended for freatment

Apply PENNCOZEB only through systems containing anti-syption and check valves designed to prevent water source contamination or overflow of the mix lank and containing interlocking controls between the melening device and the water pump to insure simultaneous shut-off

Maintain a gentle continuous agitabon in mix tank during mixing and application to assure a uniform suspension.

Greater accuracy in calibration and distribution will be achieved by injecting a

larger volume of a more difute suspension per unit time Application of more than recommended quantities of irrigation water per acre may result in decreased product performance.

Do not apply when wind Struck favors drift, when system connections or fiftings leak, when nozzies do not provide unitorm distribution or when knes containing the product cannot be flushed and must be dismantled and drained. In a center pivot system, block the nozzle set nearest the well-pivot/injection unit to prevent spray being applied to this area

Where sprinkler distribution patterns do not overlap sufficiently unacceptable disease control may result.

Allow sufficient time for posticide to be flushed through all lines and all nozzles before turning off irrigation water

PENINCOZEB may be applied in conjunction with chemically neutral liquid fertilizers. Application in conjunction with highly alkaline fertilizers, such as aqueous ammonia, may cause a degradation of the posticide, resulting in reduced performance and should be avoided

Check local restrictions and requirements regarding sprinkler irrigation applications, as they may vary from state to state.

SPRAY PREPARATION:

flemove scale, pasticide residues, and other foreign matter from the chemical tank and entire imector system. Flush with clean water

Propers a suspension of PENNCOZEB in a mix tank. Fill the tank with 1/2 or 3/4 the desired amount of water. Start mechanical or hydraulic agitation. Slowly add the required amount of PENNCOZEB and then the remaining volume of water

APPLICATION INSTRUCTIONS:

Set sprinkler system to deliver 0.1 to 1.25 inches of water per acre. Volumes of water higher than this may reduce efficacy. Start sprinkler and then undormly inject the suspension of PENNICOZEB into the sengation water line so as to deliver the desired rate per acre. The suspension of PENNCOZEB about the injected with a positive displacement pump into the main line ahead of a right erigic turn to insure adequate mixing

STORAGE AND DISPOSAL

STORAGE INSTRUCTIONS: Store in the original container in a dry area. If allowed to become wet the product will deteriorate and represent a fire hazard. Keep away from sources of ignition (e.g sparks and open flame). Close bag when not in use. Do not store in a manner where cross-contamination with other pesticides, fertilizers, food or feed could occur. If spilled during storage or handling sweep up spillage and dispose of in accordance with the Pesticide Disposal Instructions listed below.

PESTICIDE DISPOSAL INSTRUCTIONS: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL INSTRUCTIONS: Completely empty bag into application equipment. Then dispose of bag in a sanitary landfill, by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

WARRANTY AND DISCLAIMER

Pennwar Corporation warrants that this material conforms to the chemical description on the label and is reasonably lit for the purposes referred to in the Directions for Use, rubject to the risks referred to therein PENNWALT MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED IVARRANTY IN NO CASE SHALL PENNWALT OR SELLER BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT INCLUDING, BUT NOT LIMITED TO, LOSS OF PROFITS, BUSINESS REPUTATION, OR CUSTOMERS; LABOR COST; OR OTHER EXPENSES INCURRED IN PLANTING OR HARVESTING

Pennwelt and seller offer this product and the buyer and user accept it subject to the foregoing conditions of sale and warranty which may be varied only by agreement in writing signed by a duly authorized representative of Pennwelt.

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