

## DIRECTIONS FOR USE

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

IMPORTANT: Read these entire Directions and Conditions of Sale before using LESAN 70% Wettable Powder.

CONDITIONS OF SALE: THE DIRECTIONS ON THIS LABEL WERE DETERMINED THROUGH RESEARCH TO BE THE DIRECTIONS FOR CORRECT USE OF THIS PRODUCT. THIS PRODUCT HAS BEEN TESTED FOR A RANGE OF WEATHER CONDITIONS SIMILAR TO THOSE WEATHER CONDITIONS THAT ARE ORDINARY AND CUSTOMARY IN THE GEOGRAPHIC AREA WHERE THE PRODUCT IS USED. INSUFFICIENT CONTROL OF PESTS MAY RESULT FROM THE OCCURRENCE OF EXTRAORDINARY OR UNUSUAL WEATHER, OR FROM FAILURE TO FOLLOW LABEL DIRECTIONS. IN ADDITION, FAILURE TO FOLLOW LABEL DIRECTIONS MAY CAUSE INJURY TO THE CROP TO WHICH THE PRODUCT IS APPLIED, OTHER CROPS, ANIMALS, MAN, OR THE ENVIRONMENT. MOBAY AND THE SELLER OFFER, AND THE BUYER ACCEPTS AND USES, THIS PRODUCT SUBJECT TO THE CONDITIONS THAT EXTRAORDINARY OR UNUSUAL WEATHER, OR FAILURE TO FOLLOW LABEL DIRECTIONS ARE BEYOND THE CONTROL OF MOBAY AND ARE, THEREFORE, THE RESPONSIBILITY OF THE BUYER.

LESAN 70% Wettable Powder fungicide is recommended as a seed or soil treatment to provide effective control of Pythium and Aphanomyces which cause damping-off of seedlings. The packet dissolves and the formulation wets readily with water to form a slurry suitable for use in any commercial slurry seed treater. LESAN 70% Wettable Powder is compatible with other fungicides and insecticides recommended for seed treatment, and may be applied in combinations with them. Apply solutions immediately after mixing as exposure to light may result in loss of fungicidal activity.

MIXING: The enclosed packets containing LESAN 70% Wettable Powder are water soluble. Do not allow packet to become wet prior to adding to the slurry seed treater. Do not handle with wet hands. Reseal outer bag to protect remaining packets.

To prepare a slurry with the proper concentration, drop the required number of unopened packets, as determined under "Recommended Applications", into the slurry seed treater while filling with water to the desired level. Each packet contains 10 ounces of LESAN 70% Wettable Powder. For example, to treat one ton of seed at the 3 oz. per 100 pounds of seed rate, use six packets (3-3/4 pounds LESAN 70% Wettable Powder). Depending on the water temperature and the degree of agitation, the packets should be completely dissolved within approximately 5 minutes from the time they were added to the water.

If the seed is to be treated with another pesticide at the same time, be sure that the packets of LESAN 70% Wettable Powder are added to the slurry first and completely dissolved before the addition of the other pesticide.

## RECOMMENDED APPLICATIONS

CROP	DISEASE	Ounces LESAN 70% WP	REMARKS
<u>FIELD CROPS:</u> Corn	Seed rot & damping-off ( <u>Pythium</u> )	0.4 to 0.8	Apply specified dosage per 100 pounds of seed (equivalent to 1/4 to 1/2 oz. of LESAN 70% Wettable Powder per bushel) in a slurry. One 10-oz. packet will treat 1250 to 2500 lbs. of seed.

LESAN 70% WP

RECOMMENDED APPLICATIONS (Continued)

CROP	DISEASE	Ounces LESAN 70% WP	REMARKS
<b>FIELD CROPS (Cont.)</b>			
Cotton	Seed rot, damping-off & other seedling diseases (Anthrachnose <u>Pythium</u> )	2 to 3	<b>SEED TREATMENT:</b> Apply specified dosage to 100 pounds of seed in a slurry. Use higher rate only if adequate soil moisture is present to avoid possible injury to seedlings. One 10-oz. packet will treat 333 to 500 lbs. of seed. For control of <u>Rhizoctonia</u> , Terraclor* should be mixed with LESAN 70% Wettable Powder at the rate of 3 ozs. active per 100 pounds of seed.
Sorghum	Covered Kernel smut Seed rot & damping-off ( <u>Pythium</u> )	1 to 2	Apply specified dosage to 100 pounds of seed in a slurry. One 10-oz. packet will treat 500 to 1000 lbs. of seed.
Sugar Beets	Seed rot & damping-off ( <u>Aphanomyces</u> <u>Pythium</u> )	2 to 4	Apply specified dosage to 100 pounds of seed with sufficient water to provide uniform coating of seed. One 10-oz. packet will treat 250 to 500 lbs. of seed. Rates up to 6 ozs. per 100 pounds of seed (one 10-oz. packet per 170 lbs. of seed) may be necessary on seed planted in soil high in clay or organic composition. Do not exceed the 4-oz. rate in light soils. For <u>Rhizoctonia</u> control, Terraclor* should be mixed into the slurry at the rate of 1.5 to 3.0 ozs. actual per 100 pounds of seed.
Sugar Cane Propagation Seed Beds	Root rot ( <u>Pythium</u> )	0.075 (1 level tea-spoonful)	Mix specified dosage in 1 gallon of water (equivalent to approximately 0.5 gram per liter) and apply to 8 sq. ft. of seed bed area. (Mix one 10-oz. packet in 133 gallons of water and apply to 1250 sq. ft. of seed bed.) Make weekly applications for a period of 8 to 12 weeks.
<b>VEGETABLES</b>			
Beans (Snap & Lima) Peas	Seed rot & damping-off ( <u>Aphanomyces</u> <u>Pythium</u> )	1	Apply specified dosage per 100 pounds of seed as a slurry. Agitate seed thoroughly to ensure uniform distribution of LESAN 70% WP on the seed. Do not use treated seed for food or feed.
Beets Spinach	Seed rot & damping-off ( <u>Aphanomyces</u> <u>Pythium</u> )	4	One 10-oz. packet will treat: 1,000 lbs. of seed at the 1 oz. rate. 333 lbs. of seed at the 3 oz. rate. 250 lbs. of seed at the 4 oz. rate.
Cucumbers	Seed rot & damping-off ( <u>Pythium</u> )	3	

RECOMMENDED APPLICATIONS (Continued)

CROP	DISEASE	Ounces LESAN 70% WP	REMARKS
FRUITS			SEED PIECE TREATMENT: Mix specified dosage per 10 gallons of water for use as a seed piece dip at time of planting. Mix one 16-oz. packet in 8 gallons of water.
Pineapple (Hawaiian Islands Only)	Heart rot Root rot (Phytophthora)	12	

Note: To meet U.S. Federal Seed Act requirements, all seed treated with LESAN should be labeled: "Treated with Sodium [4-(Dimethylamino)phenyl]diazenesulfonate (LESAN)."

RESTRICTIONS

Treated seed must not be used for feed, food, or oil purposes. Do not use on other crops used for food or forage. Use only according to label directions. Applications at rates above those shown may result in illegal crop residues. Do not treat food crops grown in the greenhouse.

Observe all cautions and limitations on labeling of all products used in mixtures.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

D A N G E R  P O I S O N

Fatal if swallowed. May be fatal if absorbed through the skin. Harmful if inhaled. Do not get in eyes or on skin. Wear natural rubber gloves and goggles when treating seed or loading spreader. Do not breathe spray mist.

Do not contaminate feed or food. Keep out of reach of children. Wash hands, arms, and face thoroughly with soap and warm water after use and before eating or smoking. Wash all contaminated clothing with soap and hot water before reuse.

SYMPTOMS OF POISONING: No specific symptoms. Poisoning is accompanied by decreased activity, lethargy and tiredness.

STATEMENTS OF PRACTICAL TREATMENT

In case of poisoning, call a physician immediately. Have patient lie down and keep quiet. If swallowed, vomiting should be induced. Administer water freely and induce vomiting by giving one dose (1/2 oz. or 15 ml.) of syrup of ipecac. If vomiting does not occur within 10 to 20 minutes, administer second dose. If syrup of ipecac is not available, induce vomiting by sticking finger down throat. Repeat until vomit fluid is clear. Never give anything by mouth to an unconscious person. Professional medical assistance should be secured immediately.

If on skin, wash skin immediately with soap and warm water. If irritation occurs, get medical attention. If eyes are contaminated, wash with plenty of water for at least 15 minutes. Get medical attention. If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. Get medical attention.

TO PHYSICIAN: Treat symptomatically. This compound inhibits oxidative phosphorylation and, therefore, causes a marked decrease in the rate of carbohydrate metabolism.

LESAN 70% WP

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ENVIRONMENTAL HAZARDS

This product is toxic to wildlife. Keep out of lakes, streams or ponds. Treated seeds exposed on soil surface may be hazardous to birds and other wildlife. Dispose of excess treated seeds or wastes by burial.

STORAGE AND DISPOSAL

Handle this package carefully to prevent breakage of inner bags. Keep water soluble packets in this container and store in a cool dry place but not below freezing (32° F).

Do not use container in any connection with feed, food, or drinking water.

PESTICIDE DISPOSAL: Pesticide or rinsate that cannot be used according to label instructions must be disposed of according to Federal, State or local procedures under the Resource Conservation and Recovery Act.

CONTAINER DISPOSAL: Dispose of bags according to approved Federal, State, or local procedures under the Resource Conservation and Recovery Act.

LESAN is a Reg. TM of the Parent Company of Farbenfabriken Bayer GmbH, Leverkusen.

\*Trademark of Olin Mathieson Chemical Corporation

C-8805

Base Pre-Reg. (4691)

LABELING FOR 10-OUNCE PACKET

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®LESAN

70% Wettable Powder

ACTIVE INGREDIENT:

Sodium [4-(dimethylamino)phenyl]diazenesulfonate ..... 70%

EPA Reg. No. 3125-303-ZA

KEEP OUT OF REACH OF CHILDREN

DANGER



POISON

(See Outer Package for Complete Use and Handling  
Directions and Precautions Including Antidote Statement)

NET WT. 10 OUNCES

Wohlgemuth Chemical Corporation  
Agricultural Chemicals Division  
P.O. Box 1015  
Kansas City, MO 64120

Attention: G. E. Russell

Re: Amend:

Subject: Sevin 70% Wettable Powder in Water Soluble Packets  
EPA Registration No. 3125-303  
Application Dated November 9, 1962

The amendment referred to above, submitted in connection with registration under FIFRA Sec. 3(c)(1)(B), is acceptable, provided that you:

1. Submit and/or cite all data required for registration/re-registration of your product under FIFRA Sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data.
2. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling:
  - a. The statement "Do not contaminate feed or food" must be deleted from under the heading "Precautionary Statements" and placed under the heading "Directions for Use."
  - b. The statement "Keep out of lakes, streams or ponds" must be revised to read "Do not apply directly to lakes, streams or ponds."
3. Submit five (5) copies of your final printed labeling before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA Sec. 6(e). Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

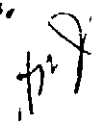
3125 303  
3/ 2  
300 8003  
15 2

The data submitted under your letter of November 9, 1982 were assigned the following EPA Accession Number(s):

<u>EPA Accession Number(s)</u>	<u>Title of Report(s)</u>
248801	Report No. 82401, "Acute Oral Toxicity of Lesan 70% WP in Rats"

In future correspondence regarding these data, you should reference the assigned EPA Accession Number to facilitate our retrieval of these data. The requested regulatory action must await completion of the review of the data submitted.

Sincerely yours,

  
Henry M. Jacoby  
Product Manager (21)  
Fungicide-Herbicide Branch  
Registration Division (TS-767)

Enclosure

TS-767:H.JACOBY:DCR-03357:WANG-1674C:grm:Raven:479-2013:12/16/82

Reason to Issue: To show product is a Category I pesticide with appropriate labeling; revise storage and disposal statements.

U.S. LABEL

Date of Draft: 11/8/82 (Pre-Reg) (S)

EPA Reg. No. 3125-303-AA

LESAN

ACCEPTED  
WITH COMMENTS  
by EPA

70% WETTABLE POWDER  
SEED AND SOIL FUNGICIDE  
IN WATER SOLUBLE PACKETS

JAN 4 1983

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, this product is registered under...

FOR CONTROL OF PLANT DISEASES

ACTIVE INGREDIENT:

Sodium [4-(dimethylamino)phenyl] diazenesulfonate ..... 70%

KEEP OUT OF REACH OF CHILDREN

DANGER  POISON

INERT INGREDIENTS: ..... 30%  
100%

(See Rear Panel for Statements of Practical Treatment and Other Precautionary Statements)

KEEP WATER SOLUBLE PACKETS IN THIS CONTAINER AND STORE IN A COOL DRY PLACE, BUT NOT BELOW FREEZING (32°F)

EPA Reg. No. 3125-303-ZA

STOP - READ THE LABEL BEFORE USE

DEALERS SHOULD SELL IN ORIGINAL PACKAGES ONLY

CONTAINS 48 10-OUNCE WATER SOLUBLE PACKETS  
TOTAL NET CONTENTS 30 POUNDS

MOBAY CHEMICAL CORPORATION  
AGRICULTURAL CHEMICALS DIVISION  
Box 4913, Kansas City, Mo. 64120