

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

JUL 31 1992

Ms. Joanne C. Pratt
Wilbur- Ellis Company
191 W. Shaw Avenue, Suit 107
Fresno, CA 93704

Dear Ms. Pratt:

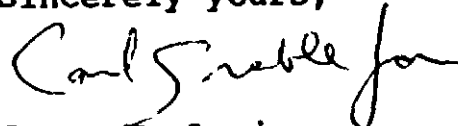
Subject: Granol Flowable Insecticide-Fungicide Seed Treatment
EPA Registration No. 2935-468
Amendment Revised Labeling
Your Submission Dated April 20, 1992

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable subject to the comments listed below. Five copies of the finished labeling must be submitted prior to releasing the product for shipment.

Under Environmental Hazards, change the fifth sentence to "Do not contaminate water when disposing of equipment washwaters."

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

Sincerely yours,



Susan T. Lewis
Product Manager (21)
Fungicide-Herbicide Branch
Registration Division (H7505C)

Enclosure

CONCURRENCES							
SYMBOL							
SURNAME							
DATE							

Insecticide Fungicide Seed Treatment For On-farm Use

A dual purpose, ready-to-use, liquid formulation for control of smuts, seed decay and seedling blight and for temporary protection of seeds and seedlings against wireworms.

For on-the-farm treatment of seeds.

WHEAT - OATS - BARLEY - RYE

ACTIVE INGREDIENTS	By Wt.
Maneb (manganese ethylenebisdithiocarbamate). . .	21.0%
(equivalent to manganese metallic 0.42%)	
Lindane (gamma isomer of benzene hexachloride). . .	10.5%
INERT INGREDIENTS	68.5%
TOTAL	100.0%

This product contains: 2.19 lbs. maneb per gallon
1.09 lbs. lindane per gallon

KEEP OUT OF REACH OF CHILDREN

WARNING

See side panel for additional precautionary information

EPA Est. No. 37429-GA-1

EPA Reg. No. 2935-468

*GRANOL is a registered trademark of C-I-L Inc., Canada

NET CONTENTS: 2.5 gallons

ACCEPTED
with COMMENTS
in EPA file # 2935-468

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Under
Funding
agreement
registered under EPA Reg. No.

2935-468

ACCEPTED

JUN 27

2935-468

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING: Harmful if swallowed or absorbed through the skin. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Do not rub eyes or mouth with hands. See First Aid Practical Treatment section).

HANDLERS (MIXERS, LOADERS AND APPLICATORS) MUST WEAR THE FOLLOWING PROTECTIVE CLOTHING AND EQUIPMENT: a long-sleeve shirt and long pants or a coverall, chemical resistant gloves, hat, socks, boots, disposable, paper dust mask which covers at least one-third of the face, and goggles or a face shield. During mixing and loading, a chemical resistant apron must also be worn.

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

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 and water after each use. Personal clothing worn during use must be laundered separately from household articles. Clothing and protective equipment drenched with maneb must be destroyed according to state and local regulations.

CONTAMINATED CLOTHING CANNOT BE ADEQUATELY DECONTAMINATED.

Work outdoors or in a well ventilated place. Avoid contamination of feed, food and foodstuffs.

Treated seed must not be used for or mixed with food or animal feed, or processed for oil. Seed commercially treated with GRANOL Flowable must be labeled in accordance with all applicable requirements of the Federal Seed Act.

STATEMENT OF PRACTICAL TREATMENT

If swallowed, call a physician and/or the Poison Control Center immediately.

Drink one or two glasses of water and induce vomiting by touching the back of the throat with finger or, if possible, by administering syrup of ipecac.

Do not induce vomiting or give anything by mouth to an unconscious person.

If on skin, wash with plenty of soap and water.

If in eyes, flush with plenty of water. Get medical attention if irritation persists.

If inhaled, remove victim to fresh air. Apply artificial respiration if indicated.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish, birds and other wildlife. Exposed treated seeds may be hazardous to birds and other wildlife. Cover or incorporate spilled treated seed. Dispose of all excess treated seeds by burial away from bodies of water. Do not contaminate water when disposing of equipment wash waters. Apply this product only as specified on this label. In case of significant spill, call CHEMTREC 1-800-424-9300.

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GRANOL Flowable is a special seed treatment formulation of maneb and lindane, which when used at the correct use rate, protects cereal crops against seed-borne diseases such as stinking smut (bunt) of wheat, oat smuts, covered and false loose smuts of barley and bunt of rye. It also protects cereal crops against certain seed and soil-borne diseases such as root rot and seedling blight during the seedling and germination stages. GRANOL Flowable also provides temporary protection of seeds and seedlings against wireworms. GRANOL Flowable is especially designed for on-the-farm treatment using a seed treater suitable for metering and mixing flowable seed treatments. Refer to application instructions on this label.

DIRECTIONS FOR USE

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

ALWAYS READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS, AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.

GRANOL Flowable is a ready-to-use seed treatment for on-the-farm use in suitable seed treating equipment at the following rates:

Wheat, Oats, Barley and Rye
3 fl. oz. per bushel

Use only the recommended rate. Lower amounts may not give the desired control. Higher amounts may cause seed injury. Seed should be well cured, dry and cleaned before treatment. For maximum benefits, avoid deep seeding and exceptionally early sowing under poor growing conditions.

Automatic Seed Treaters - equipment that meters the proper amount of GRANOL Flowable and uniformly mixes it as the seed is being metered into the planter or drill box. Be sure to calibrate equipment to set the proper amount of GRANOL Flowable on the seed.

NEVER USE HANDS TO MIX GRANOL FLOWABLE WITH SEED.

Work upwind while treating seed to avoid contact.

Treat only those seeds needed for immediate use, minimizing the interval between treatment and planting. Do not store excess treated seeds beyond planting time. Treated seed must not be used for or mixed with food or animal feed, or processed for oil.

Always wash hands and arms with soap and water before using toilet facilities.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. **STORAGE:** Keep container tightly closed when not in use. Always store product in original container in a cool, dry, well ventilated place. Store above 0° F. Product stored at lower temperatures can be restored for use by warming up to approximately 70° F and thoroughly shaking or stirring before use. Do not store product near heat or flame. Store treated seed in a well-ventilated place away from water, food and feed. In case of spill or leak on floor or paved surfaces, absorb on sand, earth or synthetic absorbent and shovel into a leak-proof container. Wash area with a solution of

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30% household bleach and water and let stand for 10 minutes. Then cover with hydrated lime and let stand for 1-2 hours.

Cover with absorbent and shovel into waste container. Rinse area with water and pick up with absorbent. Label and remove waste container to chemical waste area.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. 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: Triple rinse (or equivalent). Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill or by incineration or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

CONDITIONS OF SALE:

NOTICE: The statements made on this label are believed to be true and accurate, but because of conditions of use which are beyond our control, WILBUR-ELLIS COMPANY does not make, nor does it authorize any agent or representative to make, any warranty, guaranty or representation, expressed or implied, concerning this material or the use thereof, except in conformity with the statements on the label. Neither WILBUR-ELLIS COMPANY nor the seller shall be held responsible in any manner for any personal injury or property damage or loss resulting to the buyer or to the other person from handling, storage or use of this material, not in accordance with directions. The buyer assumes all risk and liability resulting from improper handling, storage or use and accepts and uses this material on these conditions.

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Wilbur-Ellis Company
P. O. Box 12458
Fresno, CA 93735

IN CASE OF EMERGENCY CALL CHEMTREC 800/424-9300

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