

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

HA 12 2935-472
7/1

JUN 09 1992

345/5473-11
17/8

Ms. Joanne Pratt
Wilbur-Ellis
191 W. Shaw Ave., Suite 107
Fresno, CA 93704-2876

Dear Mr. Pratt:

Subject: Finished Labeling and Nominal Concentration
Granol Plus Insecticide and Fungicide Cereal Seed
Treatment
EPA Registration No. 2935-472
Your Submission Dated October 29, 1991

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable. A stamped copy is enclosed for your records.

Regarding Nominal Concentration we have the following comments:

For nominal concentrations >1.0% and <20.0% the upper and lower certified limit is $\pm 5\%N$ (N = nominal concentration).

THIABENDAZOLE TECH: $N = 1.00, \pm 5\%N = .05$
upper limit $1.00 + .05 = 1.05$
lower limit $1.00 - .05 = .95$

LINDANE: $N = 18.75, \pm 5\%N = .94$
upper limit $18.75 + .94 = 19.69$
lower limit $18.75 - .94 = 17.81$

For nominal concentrations >20.0% and <100.0% the upper and lower certified limit is $\pm 3\%$.

Maneb Tech: $N = 25.00, \pm 3\%N = .75$
upper limit $25.00 + .75 = 25.75$
lower limit $25.00 - .75 = 24.25$

Please make the appropriate changes on your Confidential Statement of formulas.

Sincerely,

George T. LaRocca
Product Manager 13

CONCURRENT Insecticide-Rodenticide Branch
Registration Division (H7505C)

SYMBOL							
SURNAME	Helbert						
DATE	6-1-92						

ACCEPTED GRANOL® PLUS

JUN 09 1997

Under the Federal Insecticide, Fungicide, and Rodenticide Act, it is unlawful for the pesticide

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if swallowed. Harmful if inhaled. Causes eye irritation. Avoid contact with skin, eyes and clothing. Do not rub eyes or mouth with hands. See First Aid (Practical Treatment section). Avoid breathing dust.

Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling.

Treat outdoors or treat in a well ventilated place.

HANDLERS (MIXERS, LOADERS AND APPLICATORS) MUST WEAR THE FOLLOWING PROTECTIVE CLOTHING AND EQUIPMENT: a long-sleeved shirt and long pants or a coverall, chemical resistant gloves, socks, boots, and 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. Always wash hands and arms with soap and water before using the toilet.

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.

Avoid contamination of feed, food and foodstuffs.

STATEMENT OF PRACTICAL TREATMENT

If swallowed: Call a physician and/or the Poison Control Center immediately. Drink one or two large glasses of water and induce vomiting by touching the back of the throat with finger. Repeat until vomit fluid is clear. 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 inhaled: Remove victim to fresh air. Get medical attention.

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. Do not contaminate water when disposing of equipment washwaters. Dispose of all excess treated seeds by burial away from bodies of water.

In case of significant spill, call CHEMTREC 1(800)424-9300.

PRODUCT INFORMATION

GRANOL Plus is a special seed treatment formulation containing a combination of maneb and thiabendazole fungicides, plus the insecticide lindane. When used at the correct use rate, GRANOL Plus protects wheat against the seed-borne disease Stinking Smut (Bunt). It also protects wheat against certain seed and soil-borne diseases such as Root Rot and Seedling Blight during germination and the early seedling stages. GRANOL Plus also provides temporary protection of seeds and seedlings against wireworm damage. GRANOL Plus is especially designed for on-the-farm treatment for drill or planter box application. It is to be mixed directly with the seed in the box, either as it is run into the box, or by spreading the treatment over the leveled seed and thoroughly mixing the treatment into the seed with an axe handle or paddle (an axe handle or paddle for seed treatment purposes only). This product can also be applied with suitable automated application equipment to give thorough uniform coverage to the seed. See application instructions on this label.

PHYSICAL AND CHEMICAL HAZARDS

If maneb becomes wet in storage, its fungicidal effectiveness may be reduced and it may also produce vapors which may be flammable. Keep away from flames or sparks.

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.

Application Instructions: Wheat — Use 2 oz. per bushel.

Use only recommended rates. Lower rates 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 excessively early sowing under poor growing conditions. GRANOL Plus should be thoroughly mixed with seed to uniformly coat the seed.

1. Automatic Seed Treaters — equipment that meters the proper amount of GRANOL Plus and uniformly mixes it as seed is augered into the planter or drill box. Be sure to calibrate the equipment properly to get proper amount of GRANOL Plus on the seed.

INSECTICIDE AND FUNGICIDE SEED TREATMENT FOR WHEAT Contains Thiabendazole

AGRICULTURAL USE ONLY

A dual purpose ready-to-use formulation for
Planter Box or Drill Box Application

WHEAT

ACTIVE INGREDIENTS	By WL
Maneb (Manganese ethylenebisdithiocarbamate).....	25.00%
(equivalent to manganese metallic 6.5%)	
2-(4-thiazolyl) benzimidazole Thiabendazole.....	1.80%
Lindane (Gamma isomer of benzene hexachloride).....	16.78%
INERT INGREDIENTS	56.25%

TOTAL: 100.00%

EPA Reg. No. 2935-472

EPA Est. No. 70-KV-1

KEEP OUT OF REACH OF CHILDREN DANGER

See side panel for additional precautionary statements.

DIRECTIONS FOR USE (cont.)

2. Drill or Planter Box Application — place and level one-half of the seed in the drill or planter box, then uniformly sprinkle one-half of the total GRANOL Plus required. Mix thoroughly with an axe handle or paddle (an axe handle or paddle for seed treatment purposes only), then fill the box with seed and sprinkle the remaining one-half of the GRANOL Plus over the seed and thoroughly mix until the seed is uniformly coated.

3. Dribble required amount of GRANOL Plus into each bushel of seed as it is poured into the drill box or planter box, and mix until seed is uniformly coated.

4. NEVER USE BARE HANDS TO MIX GRANOL PLUS WITH SEED.

Stand upwind while treating seed.

Remove and separately launder clothing and decontaminate shoes before reuse.

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

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 and well ventilated place away from food and feed. Do not allow to become wet in storage.

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 Environment Control Agency or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Completely empty container and top side and bottom to loosen clinging particles. Empty into application equipment. Then dispose of in a sanitary landfill or by incineration or, if allowed by State and local regulations, 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, promise 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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In Case of Emergency, Call CHEMTREC 300/424-9300

NET WEIGHT: 10 lbs.

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