



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

MAR 4 1994

Joanne Pratt
WILBUR-ELLIS COMPANY
191 W. Shaw Avenue - Suite 107
Fresno, CA 93704

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Subject: Label Amendment Submission of 09/17/93 in Response to PR Notice 93-7
EPA Reg. No. 2935-493
GRANOL N-M

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is accepted. A copy of your proposed labeling stamped "ACCEPTED WITH COMMENTS" is enclosed.

WHAT THIS ACCEPTANCE MEANS:

Based on your certification, the Agency has accepted the labeling changes that are necessary to comply with the Worker Protection Standard (WPS) labeling requirements of 40 CFR part 156, subpart K, described in PR Notices 93-7 and 93-11. Any other labeling changes submitted in connection with this amendment application but not directly related to compliance with the WPS have not been reviewed or accepted by the Agency. If you wish to make such changes, you must submit a separate amendment application proposing them. If your product is currently suspended, the acceptance of this labeling amendment does not affect the suspension in any way.

WHAT YOU NEED TO DO NEXT:

Send to EPA one (1) copy of the final printed labeling:

- BEFORE selling or distributing any product bearing the final printed labeling
- AND
- WITHIN one year from date of this acceptance.



Recycled/Recyclable
Printed with Soy/Canola Ink on paper that
contains at least 50% recycled fiber

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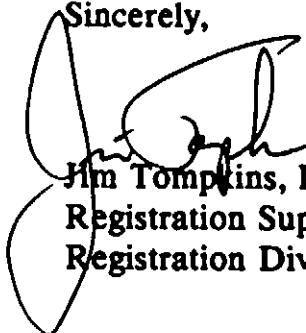
Submit the final printed labeling via the U.S. Postal Service to:

Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs (7505C)
U.S. Environmental Protection Agency
401 M Street, SW
Washington, D.C. 20460-0001

Hand or courier deliveries of final printed labeling may be made to:

Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs
Room 266A, Crystal Mall 2
1921 Jefferson Davis Highway
Arlington, VA 22202

Sincerely,

A handwritten signature in black ink, appearing to read "Jim Tompkins", is written over the typed name and title.

Jim Tompkins, Deputy Chief
Registration Support Branch
Registration Division (7505W)

Attachment

ACCEPTED
with COMMENTS
In EPA Letter Dated
MAR 4 1991



Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under EPA Reg. No.

2935-493

BEST AVAILABLE COPY

GRANOL® N-M

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING

Avoid contact with GRANOL N-M. It may be fatal if inhaled, swallowed or absorbed through the skin. Do not breathe dust. Do not get in eyes, on skin or on 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: long-sleeved shirt and long pants or a coverall, of chemical-resistant gloves, hat, socks, boots, a 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.

Treat outdoors or in a thoroughly ventilated place.

Avoid contamination of feed and foodstuffs.

Treated seed should be labeled: "Treated seed, do not use for food, feed or all purposes."

ENVIRONMENTAL HAZARDS

This product is toxic to fish, birds and other wildlife. For terrestrial use, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash waters. 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.

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 inhaled: Remove victim to fresh air. Apply artificial respiration if indicated.

If on skin: Remove contaminated clothing and wash affected areas with soap and water.

If in eyes: Flush eyes for at least 15 minutes with water. Call a physician immediately.

Do not administer milk or fatty substances which enhance the absorption of chlorinated hydrocarbons.

PRODUCT INFORMATION

GRANOL N-M is a special seed treatment formulation of lindane and maneb which, when used at the correct dosage rates, protects crops against seed-borne diseases such as Sinking 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. Granol N-M also provides temporary protection of seeds and seedlings against wireworms.

GRANOL N-M is especially designed for on-the-farm treatment for drill or planter box application. This application is mixed directly with the seed in the box, either as it is running into the box or by spreading the treatment in a layer over the leveled seed and thoroughly mixing the treatment (with an axe handle or paddle) or with suitable seed treatment equipment. Refer to 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 ALL APPLICABLE STATE AND FEDERAL REGULATIONS.

WHEAT, OATS, BARLEY, RYE

Use 2 oz. per Bushel

FLAX

Use 4 oz. per Bushel

Use only recommended rates — 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. Mix Granol N-M thoroughly with seed until the powder uniformly coats the seed.

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INSECTICIDE AND FUNGICIDE SEED TREATMENT

A DUAL PURPOSE ready-to-use formulation for drill or planter box application to control smuts, seed decay and seedling blight and for temporary protection of seeds and seedlings against wireworms.

WHEAT — OATS — BARLEY — RYE — FLAX

ACTIVE INGREDIENTS	By WL
Maneb (Manganese ethylenebisdithiocarbamate)	50.00%
LINDANE (Gamma isomer of Benzene Hexachloride)	18.75%
INERT INGREDIENTS	31.25%
TOTAL: 100.00%	

EPA Reg. No. 2935-493

EPA Est. No. 70-KY-1

KEEP OUT OF REACH OF CHILDREN

WARNING AVISO

See side panel for additional precautionary statements.

DIRECTIONS FOR USE (cont.)

1. Automatic Seed Treaters — Equipment that meters the proper amount of Granol N-M and uniformly mixes it as seed is augered into the planter or drill box. Be sure to calibrate equipment to get the proper amount of Granol N-M on the seed.
2. Drill or Planter Box Application — Place and level one-half of the seed in the drill or planter box, then uniformly sprinkle over the seed one-half of the total GRANOL N-M required. Mix thoroughly with an axe handle or paddle (an axe handle or paddle used for seed treatment purposes only), then fill the box with seed and sprinkle the remaining one-half of the Granol N-M over the seed and thoroughly mix once more. Stir until streaking of the powder has disappeared and coating of the seed is uniform.
3. Dribble required amount of GRANOL N-M into each bushel of seed as it is poured into the drill box, and mix until seed is uniformly coated.

DO NOT MIX WITH HANDS.

Wear a properly designed dust mask and goggles and change filters frequently while treating seed. Keep away or upwind from any dust that may arise.

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. Store away from water, food and feed.

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: Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residues into application equipment. Then dispose of liner in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke. If drum is contaminated and cannot be reused, dispose of in same manner.

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.

GRANOL is a registered trademark of ICI Canada, Inc.
Logo TM of WILBUR-ELLIS Company

IDEAS TO GROW WITH is a registered trademark of WILBUR-ELLIS Company

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In Case of Emergency,
Call CHEMTREC 800-9300

COPY B**Personal Protective Equipment**

Applicators and other handlers must wear:

- A) Coveralls over short sleeved shirt and short pants
- B) Waterproof gloves
- C) Chemical-resistant footwear plus socks
- D) Protective eyewear
- E) Chemical-resistant headgear *for overhead exposure*
- F) Chemical-resistant apron when cleaning equipment, mixing or loading
- G) Dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C)

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

COPY D

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURE USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontaminations, notification, and emergency assistance. It also contains specific instructions, and exceptions pertaining to protective equipment (PPE). The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow workers entry into treated areas during the restricted entry interval (REI) of _____ hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- A) Coveralls over long sleeved shirt and long pants
- B) Chemical-resistant gloves such as Barrier Laminate, Butyl Rubber, 14 mils, or Nitrile Rubber, 14 mils.
- C) Chemical-resistant footwear plus socks
- D) Protective eyewear
- E) Chemical-resistant headgear for overhead exposure.

→ Not
Applicable
to A
Seed
Treatment

COPY II**User Safety Recommendations:****Users should:**

- * Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- * Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- * Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

COPY I

Si usted no entiende la etiqueta,
busque alguien para que se la
explique a usted en detalle (If
you do not understand the label
find someone to explain it to
you in detail).