

JUN 8 1990

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Chipman, A Business Unit C-I-L Inc.
c/o Mr. Don O'Shaughnessy
ICI Americas Inc.
Registration & Regulatory Affairs
Agricultural Chemicals
Wilmington, DE 19897

Dear Mr. O'Shaughnessy

Subject: Amendment - Deletion of Rhodamine B/Manufacturing Location Change
GRANOL N-M Insecticide-Fungicide Seed Treatment
EPA Registration No. 2935-465 (formerly 8203-8)
Your Letter Dated June 27, 1989
Your Application Dated January 24, 1990

Your basic Confidential Statement of Formulas (CSFs) referred above for the subject product are acceptable for the removal of Rhodamine B and the manufacturing location change. A copy of each have been inserted into the record for the subject product. However, based on the CSF dated June 23, 1989 for the alternate formulation, your product will not meet the label claim for Lindane using source product supplied in EPA Registration No. 21137-3. The source product for Lindane is 99.5% active ingredient. Therefore, the percentage of Lindane in the product based on pure active form would be: $(18.77\%)(99.5\%) = 18.68\%$. Since this percentage is lower than the lower certified limit of 18.75%, you should revise your CSF so that the lower certified limit will be in agreement with the label claim. Note: The source product for Lindane in the basic formulation is EPA Registration No. 264-455 (Rhone-Poulenc AG Co.).

At the next label revision, you should remove the following footnote found under the label ingredient statement: "This product contains the toxic inert Rhodamine B."

Sincerely yours,

George T. LaRocca
Product Manager 15
Insecticide-Rodenticide Branch
Registration Division (H7505C)

ACCEPTED

JUL 28 1988

U.S. Department of Agriculture
Fungicide
as amended by this record
registered under
EPA Reg. No. 8203-8
NET WEIGHT



GRANOL® N-M

INSECTICIDE AND FUNGICIDE SEED TREATMENT

A DUAL PURPOSE ready-to-use formulation for drill or planted 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:

MANEB (Manganese ethylenebisdithiocarbamate) 50

LINDANE (Gamma isomer of Benzene Hexachloride) 18

INERT INGREDIENTS:

TOTAL

50
18
3
100

This product contains the toxic inert rhodamine B

**KEEP OUT OF REACH OF CHILDREN
WARNING**
See side panel for additional precautionary information.

EPA Est 8203-CN-1
EPA Reg No. 8203-8

GRANOL is a registered trade mark of C I L

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. Protective clothing (long pants, long sleeve shirt, gloves, hat, boots and a disposable, paper dust mask which covers at least one-third of the face) must be worn during mixing and loading. Wear goggles, a mask over mouth and nose and rubber gloves while handling. Wash thoroughly after handling, and before smoking or eating. Treat outdoors or in a thoroughly ventilated place. Do not treat seed indoors unless there is thorough ventilation.

Avoid contamination of feed and foodstuffs.

Clean up and bury any untreated seed or spillage immediately.

Treated seed should be labeled. Treated seed, do not use for food, feed or oil purposes.

ENVIRONMENTAL HAZARDS

This product is toxic to fish, birds and other wildlife. Do not contaminate water by cleaning of equipment or disposal of wastes. Exposed treated seeds may be hazardous to birds and other wildlife. 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 Centre immediately. Drink one or two 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.

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 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 and for 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 to be mixed directly with the seed in the box, either as it is run into the box or by spreading the treatment in a layer over the leveled seed and thoroughly mixing the treatment into the seed with a paddle.

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 labelling.

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.

1. Mix GRANOL N-M thoroughly into the seed until the powder uniformly coats the seed. Use an automatic seed treater that meters the proper amount of GRANOL N-M and uniformly mixes it as seed is augered from the grain box into the planter or drill box.
2. Place and level one-half of the seed in the drill or planter box, sprinkle one-half of the total GRANOL N-M required for the full planter box uniformly over the seed. Mix thoroughly with a stick or paddle, then fill the box with seed and sprinkle the remaining one-half of the powder

over the seed and again mix until the seed is uniformly coated.

3. Dribble required amount of GRANOL N-M into each bushel of cereal 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. 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: Triple rinse (or equivalent) then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

NOTICE TO BUYER: Seller's guarantee shall be limited to the terms set out on the label and subject thereto, the buyer assumes the risk to persons or property arising from the use or handling of this product and accepts the product on that condition. 0887

Manufactured by

Chipman, A Business Unit of C I L Inc.
Stoney Creek, Ontario L8G 3Z1

CONTENTS AND CONTAINER MADE IN CANADA

PROPER SHIPPING NAME

(CAN) Maneb Preparation, Dangerous
When Wet, Class 4.3.

UN 2958, P.G. III

(USA) Lindane Mixture, ORM-A,
NA 2761, RQ

ORM-A

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