

GRANOLR N-M

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 | % |
|--|--------|
| MANEB (Manganese ethylenebisdithiocarbamate) | 50.00 |
| LINDANE (Gamma isomer of Benzene Hexachloride) | 18.75 |
| INERT INGREDIENTS | 31.25 |
| TOTAL | 100.00 |

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 Chipman Inc., Canada

Net wt. 10 lbs.

ACCEPTED
with MFR 113
in EPA Reg No 8203-8

MAR 2 1984

Under the Fungicide, Insecticide, and Plant Growth Regulator Act
as amended, this product is registered under EPA Reg. No. 8203-8

PRECAUTIONARY STATEMENTS
Hazards to Humans and Domestic Animals

Warning

Avoid contact with GRANUL N-M. It can 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 (hard hat, long sleeve shirt, gloves, hat, boots and a disposable, plastic rain suit 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 labelled: 'treated seed, do not use for food, feed or oil purposes.'

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

GRANUL 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. GRANUL 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 or rinse water that cannot be used according to label instructions must be disposed of according to applicable state or local procedures.

CONTAINER DISPOSAL: Completely empty bag by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment then dispose of bags in a sanitary landfill or by incineration if allowed by state and local authorities.

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.

1183

Manufactured by
Chipman Inc.
Stoney Creek, Ontario, Canada
L8G 3Z1



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

43/11/83
1/1

MAJ

OFFICE OF
PESTICIDES AND TOXIC SUBSTANCES

Mr. F. Bruce Jones
Chipman Inc.
c/o ICI Americas Inc.
Registration Section, Ag. Chem Div.
Wilmington, DE 198897

300/11/83
1/1

Dear Mr. Jones:

Subject: Lindane RPAR
Granol N-M Insecticide and Fungicide Seed Treatment
EPA Reg. No.: 8203-8
Appl. Date: November 15, 1983

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable provided that you make the labeling changes listed below before you release the product for shipment bearing the amended labeling:

1. Revise your "STORAGE AND DISPOSAL" statement in accordance with PR Notices 83-3 and 84-1.
2. Immediately following your "HAZARDS TO HUMANS..." section, insert the following:

"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."

4. Be sure to note the type size requirements.

Submit five (5) copies of your revised final printed labeling before you release the product for shipment with the amended labeling.

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

If you hold a Federal registration, a supplemental registration, or a Special Local Needs registration, you may continue to produce new stocks of such products, using current labeling, until April 1, 1984. After that date, all remaining inventories of affected products will fall under the Existing Stocks provisions stated in our letter of October 28, 1983.

Sincerely yours,

George T. LaRocca
Product Manager (15)
Insecticide-Rodenticide Branch
Registration Division (TS-767C)

Enclosure