



GRANOL[®] FLOWABLE

Insecticide Fungicide Seed Treatment

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	%
Maneb (manganese ethylenebisdithiocarbamate)	21.0
Lindane (gamma isomer of benzene hexachloride)	10.5
INERT INGREDIENTS	<u>68.5</u>
TOTAL	100.0

ACCEPTED
with COMMENTS
EPA Letter Dated:

MAR 2 1984

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

8203-26

KEEP OUT OF REACH OF CHILDREN

WARNING

See side panel for additional precautionary information

EPA Est 8203-CN-1

EPA Reg No 8203-26

GRANOL is a registered trade mark of Chipman Inc., Canada

NET CONTENT: 5 gallons

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING

Harmful if swallowed, inhaled or absorbed through the skin. Avoid breathing dust when handling treated seed. Avoid contact with skin. 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 rubber gloves while treating seed and handling treated seed. Avoid contact with eyes by wearing goggles while treating seed. Treat outdoors or only in a well ventilated place. Wash thoroughly after handling and before smoking or eating. Avoid contamination of feed and foodstuffs.

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 with plenty of water. Call a physician immediately.

ENVIRONMENTAL HAZARDS

Product is toxic to fish, birds and other wildlife. Exposed treated seeds may be hazardous to birds and other wildlife. Dispose of all excess treated seeds by burial away from bodies of water. Do not contaminate any body of water by cleaning of equipment, disposal of waste and container. Do not apply directly to water. Apply this product only as specified on this label.

PRODUCT INFORMATION

GRANOL Flowable is a special seed treatment formulation of maneb and lindane, 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 Flowable is especially designed for on-the-farm treatment using a seed treater suitable for metering and mixing flowable seed treatments.

DIRECTIONS FOR USE

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

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

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.

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. 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.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

STORAGE: Store above 32° F.

PESTICIDE DISPOSAL: Pesticide or rinsate that cannot be used according to label instructions must be disposed of according to Federal, State or local procedures under Resource Conservation and Recovery Act.

CONTAINER DISPOSAL: Triple rinse, and dispose of in a sanitary landfill or by incineration if permitted by State and local authorities.

NOTICE TO BUYER

Seller's guarantee shall be limited to the terms of 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 in the condition.

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CHIPMAN INC.

P.O. Box 9100

Stoney Creek, Ontario L9G 3Z1

CANADA

Container and Contents Made in Canada

ZRP

435/112102
37/1

300/117931
17/3

Mr. Bruce Jones
Chloran Inc.
c/o ICI Americas Inc.
Registration Section
Agricultural Chemicals Division
Wilmington, DE 19897

Dear Mr. Jones:

Subject: Amendment - Update per Lindane PL4
Granol Flowable Insecticide-Fungicide Seed Treatment
EPA Registration No. 6203-26
Your Application Dated November 15, 1983

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

1. "Inert Ingredients" should appear in the same size type and style as "Active Ingredient."
2. Please refer to the enclosed type size guide for assistance in selecting the correct print size for the front panel signal word, child hazard warning, and the heading Storage and Disposal.
3. Since this is a liquid seed treatment product of toxicity category II with label you must replace the references to a disposable paper dust mask (Hazards to humans section) and "Just Wash...change filters etc." (Directions for use) and add the following:

Wear a pesticide respirator jointly approved by NIOSH (National Institute for Occupational Safety and Health) and MSHA (Mine Safety and Health Administration) under the provisions of 30 CFR Part 11.

CONCURRENCES							
SYMBOL ▶							
SURNAME ▶							
DATE ▶							

4. REVISE THE LABELING TO BE PRINTED TO READ:

CAUTION: VAPORS ARE TOXIC. A proper mixture of active ingredient, pesticide, spray mixture, or dilution is a violation of Federal law. If these vapors cannot be dispersed by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative of the nearest EPA Regional Office for guidance.

Submit five (5) copies of your revised label 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 license 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 E. LaRocca
Product Manager (15)
Insecticide-Fungicide Branch
Registration Division (28-767)

enclosures

14/HR:164-15475:LaRocca:tar:3/1/84:kaven:57-2220:POL:3/18/84:CEI-24