

68119-15

7/27/2000

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ACCEPTED

JUL 27 2000

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, for the pesticide  
registered under  
EPA Reg. No. 68119-15

**GRANOL® 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****ACTIVE INGREDIENTS:**

Maneb (manganese ethylenebisdithiocarbamate).....	50.00%
Lindane (gamma isomer of benzene hexachloride).....	18.75%
INERT INGREDIENTS (contains graphite):.....	31.25%
<b>TOTAL</b>	<b>100.00%</b>

EPA Reg. No. 68119-15

EPA Est. No.

**KEEP OUT OF REACH OF CHILDREN****WARNING/AVISO**

Si usted no entiende la etiqueta, busque a 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).

**FIRST AID**

- |                        |  |
|------------------------|--|
| If swallowed           | <ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li> </ul>  |
| If inhaled             | <ul style="list-style-type: none"> <li>• Do not give anything by mouth to an unconscious person.</li> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably to mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul> |
| If on skin or clothing | <ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>  |
| If in eyes             | <ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>  |

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. **NOTE TO PHYSICIAN:** Do not administer milk or fatty substances which enhance the absorption of chlorinated hydrocarbons.

See additional precautionary statements and directions for use below.

Manufactured for:  
WILFARM L.L.C.  
5401 North Oak Trafficway  
Gladstone, MO 64118-4627

In case of emergency  
call Chemtrec  
(800)424-9300

Net Contents  
2-1/2 Gals  
(9.48 Liters)

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS  
WARNING**

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).

Treat outdoors or in a thoroughly ventilated place.

Avoid contamination of feed and food stuffs.

Treated seeds must not be used for food, feed or oil purposes.

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

Applicators and other handlers must wear: coveralls over a short-sleeved shirt and short pants, waterproof gloves, chemical resistant footwear plus socks, protective eyewear, chemical resistant headgear for overhead exposure, chemical-resistant apron when cleaning equipment, mixing or loading, a respirator with either an organic vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval prefix TC-14G) or a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with an N, R, P or HE prefilter

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.

**ENVIRONMENTAL HAZARDS**

This product is toxic to fish, birds, and other wildlife. 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 washwaters. Exposed treated seeds may be hazardous to birds and other wildlife. Cover and incorporate spilled treated seed. Dispose of all excess treated seeds by burial away from bodies of water.

**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.

**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.

**DIRECTIONS FOR USE**

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

Always read the entire label. Use strictly in accordance with precautionary statements and directions and with all applicable state and federal regulations.

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.

**WHEATS, OATS, BARLEY, RYE : Use 2 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.

**AGRICULTURAL 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 and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), notification to workers and restricted entry intervals. 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 worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

EXCEPTION: If the product is used for seed treatment, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

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: coveralls over short-sleeved shirt and short pants, waterproof gloves, chemical-resistant footwear plus socks, protective eyewear, chemical-resistant headgear for overhead exposure.

**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 smut, 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.

Avoid contact with Granol N-M. Do not mix with hands. 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.

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.

**Vacuum Planters**—Pour 50 pounds of seed into the planter box. Pour enough Granol N-M on top of the seed to treat 50 pounds of seed. Mix thoroughly with an axe handle or paddle until seed is uniformly covered. Then add any plantability additive at the recommended rate to improve seed flowability (talc, etc.). Mix thoroughly once more with an axe handle or paddle to get uniform coverage. This process will provide best seed flow through the planter while providing all the benefits of a seed treatment product.

### 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 the 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, disposed of in same manner.

### NOTICE—READ CAREFULLY

#### CONDITIONS OF SALE AND LIMITED WARRANTY STATEMENT

The statements made on this label are believed to be true and accurate, but because of conditions of use which are beyond our control, WILFARM L.L.C. 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 this label. WILFARM L.L.C. 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.

Treatment of highly mechanically damaged seed, or seed of known low vigor and poor quality, except for the purposes of curative control of existing disease or insect pests, may result in reduced germination and/or reduction of seed and seedling vigor. Treat and conduct germination tests on a small portion of seed before committing the total seed lot to a selected chemical treatment. Due to seed quality conditions beyond the control of WILFARM L.L.C., no claims are made to guarantee germination of carry-over seed.

Granol is a trademark of a Zeneca Group Company.