



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

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Jeffrey S. Hartman
Technical Services Manager
Trace Chemicals LLC
2320 Lakecrest Drive
Pekin, IL 61554-6637

SEP 24 2003

Subject: GRAIN GUARD®
 EPA Reg. No. 42056-6
 Your amendment dated March 4, 2003

Dear Mr. Hartman:

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act as amended is acceptable provided the following changes are made:

LIST OF INGREDIENTS:

- ***ACTIVE INGREDIENTS:*** in the line "Inert Ingredients", underline "50%"
- Delete the sentence "This product contains 15% graphite". The label must identify all inert ingredients or none.

HAZARDS TO HUMANS AND DOMESTIC ANIMALS: Delete the words "or where there is danger of drift." The product should not be applied under conditions that would result in drift.

PERSONAL PROTECTIVE EQUIPMENT: Change "waterproof gloves" to "chemical resistant gloves made of any waterproof material."

FIRST AID: The first aid instructions must be listed in order of decreasing acute toxicity category. List the instructions in the following order:

In inhaled
If in eyes
If swallowed
If on skin or clothing

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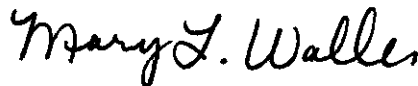
AGRICULTURAL USE REQUIREMENTS: Change “waterproof gloves” to “chemical resistant gloves made of any waterproof material.”

PRODUCT INFORMATION: Delete the sentence “TCI Grain Guard is formulated ... treated seeds” unless all inert ingredients are listed in the “List of Ingredients” section.

One copy of the label stamped “Accepted with comments” is enclosed for your records. This label supercedes all labels previously accepted for this product. Please submit one copy of the final printed label that incorporates the required changes before the product is released for shipment.

If you have any questions, please contact Robert Westin by phone at (703) 305-5721 or via email at westin.robert@epa.gov.

Sincerely,

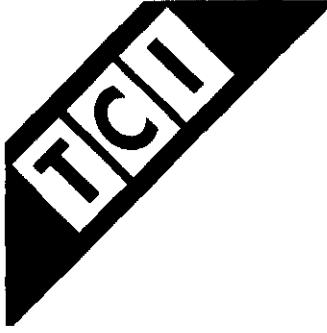
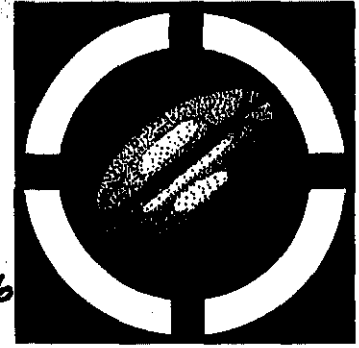


Mary Waller
Product Manager (21)
Fungicide Branch
Registration Division (7505C)

Enclosure

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GRAIN GUARD®



**ACCEPTED
with COMMENTS
In EPA Letter Dated
SEP 24 2003**

**Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No. 42056-6**

**Grain Guard Drill Box Seed Treatment
for Wheat, Oats, Barley, Rye, Sorghum, Safflower and Rice**

Active Ingredient		By Wt.
Mancozeb - A coordination product of zinc ion and manganese ethylene bisdithiocarbamate	.....	50.00%
In which the ingredients are:		
Manganese ++	.....	10.00%
Zinc ++	.....	1.25%
Ethylene Bisdithiocarbamate ion (C ₄ H ₆ N ₂ S ₄)	.....	38.75%
Inert Ingredients	.....	50.00%
Total	.....	100.00%

This product contains 15% Graphite.
GRAIN GUARD is a Reg. TM of Trace Chemicals LLC.

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

May cause irritation of nose, throat, eyes and skin. Do not breathe dust. Do not rub eyes or mouth with hands. Keep all unprotected persons, children, livestock and pets away from treated area or where there is danger of drift.

Personal Protective Equipment: Applicators and other handlers must wear; coveralls over long-sleeved shirt and long pants, waterproof gloves, shoes plus socks, protective eyewear, chemical resistant apron when cleaning equipment, mixing or loading. 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.

FIRST AID

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

IF INHALED: Move person to fresh air. If person is not breathing call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lens, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

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.

ENVIRONMENTAL HAZARDS

This pesticide product is toxic to fish. 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 or disposing of wastes. Cover or incorporate spilled treated seed.

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EPA EST. NO. 42056-IL-1

Net Weight: 5 lbs. (2.27 kg)

Manufactured by: TRACE CHEMICALS LLC Pekin, Illinois 61554

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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.

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), and restricted-entry interval. 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 soil-injected or soil-incorporated, 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 long-sleeved shirt and long pants, waterproof gloves, shoes plus socks, protective eyewear.

PRODUCT INFORMATION

TCI Grain Guard is a formulation designed for the treatment of wheat, oats, barley, rye, sorghum, safflower and rice in the drill-box at planting time. It will control bunt of wheat and rye, covered smuts of oats and barley, covered kernel smut of sorghum, seed-borne rust of safflower, and damping-off, seed rot and seedling blights on all labeled crops. **TCI Grain Guard** is formulated with graphite to assure good plantability of treated seeds.

DIRECTIONS - Measuring scoop enclosed. One level scoop equals 1 ounce.

RATE - Wheat, oats, barley, rye - Use 2 ounces per bushel of seed.

Sorghum and Safflower - Use 3 ounces per 100 pounds of seed.

Rice - Use 4 ounces per 100 pounds of seed.

Apply as a drill-box treatment, mixing thoroughly so that all seeds are covered. For best results, the following procedure is suggested: Fill drill-box only half-full of seed, add half the amount of **Grain Guard** and mix thoroughly with a stick or paddle; then add remainder of seed and product to drill-box, again mixing thoroughly.

USE RESTRICTION

Users should carefully read, understand and follow all use restrictions prior to using **Grain Guard**. Treated seed must not be used for or mixed with animal feed or processed for oil. Care must be exercised in the handling of treated seed. Treat only those seed needed for immediate use, minimizing the interval between treatment and planting. Do not store excess treated seeds beyond planting time.

STORAGE AND DISPOSAL

PROHIBITIONS: Do not contaminate water, food, or feed by storage, disposal or cleaning of equipment. Open dumping is prohibited. Do not reuse empty container. **STORAGE:** Keep away from fire and sparks. Store in a cool, dry, well-ventilated area. Do not allow to become wet or overheated in storage: decomposition, impaired activity, or fire may result. Keep container closed when not in use. **PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. **CONTAINER DISPOSAL:** Triple-rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

NOTICE-READ CAREFULLY

CONDITIONS OF SALE AND LIMITED WARRANTY STATEMENT

Treatment of highly mechanically damaged seed, or seed of known low vigor and poor quality, 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 Trace Chemicals LLC no claims are made to guarantee germination of carry-over seed. As its sole express warranty, Trace Chemicals LLC warrants that this product conforms to the chemical description on the label and is reasonably fit for purposes stated on the label only when used in accordance with directions and instructions specified on the label, subject to the inherent risks set forth above. **ONLY AS PERMITTED BY APPLICABLE LAW, IN THE EVENT OF A BREACH OF THIS LIMITED WARRANTY, TRACE CHEMICALS LLC SHALL NOT BE LIABLE FOR CONSEQUENTIAL DAMAGES. SUBJECT TO APPLICABLE LAW, TRACE CHEMICALS LLC NEITHER MAKES NOR AUTHORIZES ANY OF ITS AGENTS OR REPRESENTATIVES TO MAKE ANY WARRANTY OF FITNESS OR MERCHANTABILITY, GUARANTY OR REPRESENTATION, EXPRESS OR IMPLIED, CONCERNING THIS MATERIAL.** Buyer assumes the responsibility to handle, use and store this product in accordance with the safety instructions and use directions contained on the label. Buyer/User purchases this product subject to the foregoing Conditions of Sale and Limited Warranty, which, subject to applicable law, may be varied only by a written agreement signed by a duly authorized representative of Trace Chemicals LLC. If these terms are not acceptable, return all products to the place of purchase, unopened for a full refund.