

69261-3

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

OCT 16 2002

DiaSource, Inc.  
c/o Patrick McGourty  
PJM Consulting  
6822 W. Freemont  
Boise, ID 83704

Subject: Product Name Change and Label Amendment Updating First Aid Statements in Accordance with PR Notice 2001-1 and Revising Directions for Use  
DiaSource Diatomaceous Earth Grain Storage Insecticide  
EPA Reg. No. 69261-3  
Your Resubmission Dated April 23, 2002

Dear Mr. McGourty:

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable subject to the comments below. Two (2) copies of the finished labeling must be submitted prior to releasing the product for shipment. A stamped copy of the label is enclosed for your records.

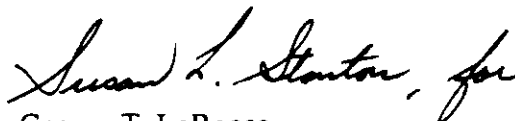
1. In the ingredient statement, align the percentage of active ingredient (100%) with the active ingredient name [Diatomaceous earth (including silicon dioxide, other oxides and moisture)].
2. Move the general misuse statement "**It is a violation of Federal law to use this product in a manner inconsistent with its labeling**" to a position immediately below the heading **Directions For Use**.
3. Correct the following typographical error: On the front panel, in the list of stored grains that may be treated, insert the missing comma between "oats" and "rye."
4. The efficacy data which you submitted to support claims for Indian meal moth suppression (MRID # 457008-01) are under review. We will notify you of the results of our review and any additional required label changes once our review is completed.

According to your April 23, 2002 letter, you wish to claim Exclusive Use status for these data. "Exclusive Use" status may only be claimed for studies submitted in support of a new active ingredient during the 10-year period following the date of the first registration. Since silicon dioxide is not a new active ingredient and this chemical has been registered for far longer than 10 years, the "exclusive use" provisions of the data compensation

for far longer than 10 years. the "exclusive use" provisions of the data compensation regulations (40 CFR Subpart E) do not apply.

If you have any questions regarding this action, please contact Susan Stanton of my team at (703) 305-5218.

Sincerely,



George T. LaRocca  
Product Manager (13)  
Insecticide Branch  
Registration Division (7505C)

Enclosure

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DRAFT

DiaSource DIATOMACEOUS EARTH

GRAIN STORAGE INSECTICIDE

**ACCEPTED  
with COMMENTS  
In EPA Letter Dated:**

OCT 16 2002

**Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, for the pesticide  
registered under EPA Reg. No.  
69261-3**

ACTIVE INGREDIENT: 100%

Diatomaceous earth (including silicon dioxide, other oxides and moisture)

KEEP OUT OF REACH OF CHILDREN

CAUTION

EPA Registration No. 69261-3  
EPA Establishment No. 69261-OR-1

NET WT.

FOR COMMERCIAL/AGRICULTURAL USE ONLY

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING.

DiaSource Diatomaceous Earth consists of the skeletal remains of fresh water diatoms and contains amorphous silicon dioxide. This product is intended for use as a post harvest treatment to control insects in stored grains, including wheat, barley, oats rye, corn, beans, peas, rice, sorghum, and seeds and feed.

PRECAUTIONARY STATEMENTS: Hazards to Humans and Domestic Animals.

CAUTION: Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling. Use adequate ventilation and avoid breathing dust. For prolonged exposure to dust, use a suitable dust mask approved by NIOSH/MSHA.

FIRST AID

If in EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice. Have the product container or label with you when calling a poison control center or doctor, or going for treatment. Call 1-800-222-1222 for further information.

DIRECTIONS FOR USE

GRAIN TREATMENT:

Apply one to two pounds per ton of grain (28 to 56 pounds per 1,000 bushels) during storage to prevent insect damage to grain. For best results, treat grains and seed immediately after harvest. DiaSource D.E. provides effective control of stored grain insects, including Granary Weevils, Red Flour Beetles, Rice Weevils, Sawtoothed Grain Beetles, Rusty Grain Beetles, Merchant grain beetles, and grain and mold mites. Direct contact with dust is necessary for control. Use the higher rate for applications to corn. Optimal performance is achieved with low grain moisture. It is recommended that the moisture content of the grain or seed treated be adjusted using aeration to no more than 12% by weight. Thoroughly mix D.E. with grain. Product may be dispensed into the grain either at the bottom of an elevator leg or as

it is being moved into storage by auger or conveyor belt. Seal bin for storage. It is wise to check the status of stored grains regularly.

**IMPORTANT:** When treating the entire grain mass, treated grain will have a dry appearance, its movement speed may be reduced and the grade and test weight may be lowered. To minimize these effects, a layer treatment is recommended. Milling, baking, nutritive and germination qualities of grain of seed are not affected by this treatment.

**LAYER TREATMENT:**

As an alternative to treating the entire grain mass, apply one to two pounds per ton (28 to 56 pounds per 1,000 bushels), treating only the top 2-3 feet of grain at the time of storage. A mechanical dust applicator is recommended, taking care to achieve even distribution. For best results, combine layer treatment technique with an empty bin treatment prior to storage of grain.

**SURFACE TREATMENT:**

As a top dressing treatment, apply two to three pounds of DiaSource D.E. per 1,000 square feet of grain surface area. For best results a surface treatment is recommended in combination with the layer treatment technique described above. Indian Meal Moth populations are suppressed using this technique. Apply to the surface of grain at the rate of one to three pounds per 1,000 square feet at the first sign of moths. Repeat treatment as necessary for control.

**EMPTY BIN TREATMENT:**

Empty bins, bulk grain storage areas, grain handling equipment and transportation vehicles can be protected from stored grain insects by dusting walls, floors, and other surfaces where insects hide or crawl. Apply at the rate of one to three pounds per 1,000 square feet of surface area, using mechanical dust applicator or power equipment suitable for the application of dusts. Distribute dust evenly and apply thoroughly to cracks and crevices and other areas where insects may hide or crawl. Repeat treatment after grain has been removed from storage. DiaSource D.E. can also be applied as a slurry treatment to empty bins and bulk grain storage areas. Mix 1.5 lbs. of D.E. per gallon of water and apply 1.5 gallons of finished spray per 1,000 sq.ft. Apply evenly for thorough coverage to the point of runoff.

**STORAGE AND DISPOSAL**

Store in original container in a dry location. Do not re-use empty container. Offer for recycling or reconditioning, or dispose of according to procedures approved by state and local authorities.

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

**IN CASE OF SPILL:** Dampen with water and sweep. Waste resulting from the use of this product may be disposed of onsite or at a local sanitary landfill.

**WARRANTY STATEMENT**

Seller warrants that this product conforms to its chemical description and is reasonably fit for the purpose stated on the label. Since conditions of use such as moisture, compatibility with other chemicals, and conditions of application may vary, seller makes no claims other than those stated on this label.

Manufactured by:  
DiaSource Inc.  
P.O. Box 7801  
Boise, Idaho 83707

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DRAFT

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