

PM 21 7501-151

10/44

Dennis L. McFadden, Manager  
 Toxicology and Regulatory Affairs  
 Gustafson, Inc.  
 P. O. Box 660065  
 Dallas, TX 75266-0065

FEB 20 1997

Subject: Raxil® -Thiram Flowable Fungicide (EPA Reg. No. 7501-151)  
 Label Amendment  
 Correspondence Dated December 20, 1996

Dear Mr. McFadden:

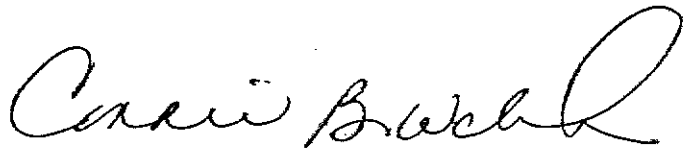
The amendment referred to above, submitted in connection with registration under FIFRA sec. 3(c)(7)(A), is acceptable provided that you:

1. Submit and/or cite all data required for registration or reregistration of your product under FIFRA sec. 3(c)(5) and sec. 4 when the Agency requires all registrants of similar products to submit such data.
2. Submit five (5) copies of your final printed labeling before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records. Should you have any questions or concerns, please call Kathryn Scanlon on (703) 305-7382.

Sincerely Yours,



Connie B. Welch  
 Product Manager (21)  
 Fungicide-Herbicide Branch  
 Registration Division (7505C)

7505C:K.Scanlon:ks:01/31/97RAXTHI.LTR

CONCURRENCES

SYMBOL	7505C							
SURNAME	Your Name							
DATE	Jan 31, 1997							

Additions are circled

Jeff

ACCEPTED  
with COMMENTS  
In EPA Letter Dated  
FEB 20 1997

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
7501-151

# RAXIL® - Thiram

## Flowable Fungicide

REC'D  
96 DEC 30 AMO :27  
7/20/2001

### ACTIVE INGREDIENT:

Alpha-[2-(4-Chlorophenyl)ethyl]-alpha-(1,1-dimethyl-ethyl)-1H-1,2,4-triazole-1-ethanol..... 0.6%  
Thiram (Tetramethylthiuram disulfide)..... 20.0%  
INERT INGREDIENTS:..... 79.4%  
TOTAL..... 100.0%  
Contains 0.055 pounds Alpha-[2-(4-Chlorophenyl)ethyl]-alpha-(1,1-dimethylethyl)-1H-1,2,4-triazole-1-ethanol and 1.72 pounds Thiram per U.S. gallon.

**USER SAFETY RECOMMENDATIONS:**  
Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. 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.

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**  
See additional precautionary statements.

**STATEMENT OF PRACTICAL TREATMENT**  
**IF SWALLOWED:** Call a physician or Poison Control Center immediately. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger or blunt object. Do not induce vomiting or give anything by mouth to an unconscious person.  
**IF ON SKIN:** Wash with plenty of soap and water. Get medical attention.  
**IF EYES ARE CONTAMINATED:** Wash with plenty of water for at least 15 minutes. If irritation persists, get medical attention.  
**IF INHALED:** Remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. Get medical attention.  
**SYMPTOMS OF POISONING:** No specific symptoms. Acute poisoning is accompanied by general depression and illness. Consumption of alcoholic beverages with exposure to thiram may cause flushing, breathing difficulty, nausea, vomiting and low blood pressure. In case of poisoning, call a physician immediately. Have patient lie down and keep quiet.  
**NOTE TO PHYSICIAN:** No specific antidote is available. Treat symptomatically. In the presence of consumption of alcoholic beverages, thiram responds similar to disulfiram.

EPA Reg. No. 7501-151

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND  
DOMESTIC ANIMALS  
CAUTION**  
Harmful if absorbed through skin. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling.  
**PERSONAL PROTECTIVE EQUIPMENT:**  
Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category E on an EPA chemical resistance category selection chart. Applicators and other handlers must wear: long-sleeved shirt and long pants, chemical-resistant gloves, such as barrier laminate or nitrile rubber or neoprene rubber or Viton, shoes plus socks, protective eyewear and dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C). 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.  
*Continued Next Column*

**ENVIRONMENTAL HAZARDS**  
This pesticide product is toxic to fish. Drift or runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. 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. Cover or incorporate spilled treated seeds.



**BEST AVAILABLE COPY**

**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 areas 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 24 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, chemical resistant gloves, such as barrier laminate or nitrile rubber or neoprene rubber or Viton, shoes plus socks, and protective eyewear.

**STORAGE AND DISPOSAL**

**STORAGE:** Store in a cool, dry place.  
**PROHIBITIONS:** Do not contaminate water, food or feed by storage, disposal, or by cleaning of equipment. Do not reuse empty container. Open dumping is prohibited.  
**PESTICIDE DISPOSAL:** This pesticide's 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:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

RAXIL-Thiram Flowable Fungicide combines the systemic action of RAXIL with the surface action of Thiram to control or suppress various seed, seedling and soilborne diseases of wheat, barley, and oats.

**SEED LABELING**

To meet U.S. Federal Seed Act requirements, all seed treated with RAXIL-Thiram Flowable Fungicide should be labeled:

**TREATED SEED.**

**DO NOT USE FOR FOOD, FEED OR OIL PURPOSES.**  
 Treated with Alpha-[2-(4-Chlorophenyl)ethyl]-alpha-(1,1-dimethylethyl)-1H-1,2,4-triazole-1-ethanol (RAXIL) and Tetramethylthiuram disulfide (Thiram).

**RESTRICTIONS**

Do not use treated seed for feed, food or oil purposes. Seed labeling must contain the following restriction: "Do not graze Barley and Wheat for 31 days and Oats for 30 days after planting."

**RECOMMENDED APPLICATIONS**

CROP	DISEASE Seed and Soilborne Diseases:	FLUID OUNCES RAXIL-Thiram Flowable Fungicide	REMARKS
Wheat Barley Oats	<p><u>Wheat:</u>                      Stinking Smut                      Flag Smut                      Loose Smut                      Early Season Septoria                      Disease Complex                      General Seed Rots                      Pythium Damping-Off                      Early Season                      Rhizoctonia Root Rot                      Early Season                      Common Root Rot                      Seedborne Fusarium                      Scab                      Early Season                      Fusarium Foot Rot                      Early Season                      Suppression of                      Powdery Mildew                      Early Season                      Suppression of                      Wheat Leaf Rust</p>	3.5 to 4.6 fluid ounces per 100 pounds of seed	SEED TREATMENT: Application of RAXIL-Thiram Flowable Fungicide at the recommended rate per 100 pounds of seed should be made using standard slurry or mist-type seed treatment equipment. Uniform application of seed is necessary to ensure seed safety and best disease protection. Seed should be sound and well cured prior to treatment. Product should be diluted with sufficient water to give an applied slurry rate of 9 to 20 fluid ounces per 100 pounds of seed.

