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

Acceptance Stamp on Pg. 5 of 5

SEP 30 1999

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Mr. Dennis McFadden
Gustafson, LLC
1400 Preston Road, Suite 400
Plano, TX 75093

Dear Mr. McFadden:

Subject: Label Amendment - Resubmission
Gustafson Thiram Technical
EPA Reg No 7501-20
Your Correspondence Dated June 3, 1999

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, is acceptable subject to the condition indicated below.

1. Under the "Agricultural Use Requirements" Box, the last sentence referring to the PPE requirements should be amended to read: ".....coveralls over long-sleeved shirt, long pants...."

If this condition is not complied with, the registration will be subject to cancellation in accordance to FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of this condition.

A stamped copy of the label is enclosed for your records. Please submit one (1) copy of your final printed labeling before you release the product for shipment.

If you have any questions regarding this letter, do not hesitate to contact me at (703) 305-7740 or María I. Rodríguez of my staff at (703) 305-6710.

Sincerely yours,

15/
Cynthia Giles-Parker
Product Manager #22
Fungicide Branch
Registration Division (7505C)

Enclosure

Gustafson

Thiram Technical

Agricultural Fungicide

FOR FORMULATING INTO REGISTERED SEED TREATMENT END-USE PRODUCTS AND FOR USE AS A SEED TREATMENT

ACTIVE INGREDIENT:	BY WT.
Thiram (Tetramethylthiuram disulfide)	97.5%
INERT INGREDIENTS	2.5%
TOTAL	100%

EPA Reg. No. 7501-20 EPA Est. No.

NET CONTENTS:

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS KEEP OUT OF REACH OF CHILDREN CAUTION

Causes eye and skin irritation. Harmful if swallowed, inhaled or absorbed through skin. Do not get in eyes, on skin or on clothing. Avoid inhaling of spray mist or dust. Do not use or store near food or feed. This product may cause allergic reactions. Consumption of alcoholic beverages increases the toxic effects of thiram.

PERSONAL PROTECTIVE EQUIPMENT (PPE):

Applicators and other handlers (other than mixers and loaders) must wear: long-sleeved shirt and long pants, waterproof gloves, shoes plus socks and protective eyewear. Mixers and loaders must wear: long-sleeved shirt and long pants, waterproof gloves, shoes plus socks and protective eyewear. Mixers and loaders must wear for exposures in enclosed areas, a respirator with either an organic vapor-removing cartridge with prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G), or a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any R, P or HE prefilter. Mixers and loaders must wear, for exposures outdoors, dust/mist respirator (MSHA/NIOSH approval number prefix TC-21C), or a NIOSH approved respirator with any N, R, P or HE filter.

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.

USER SAFETY RECOMMENDATIONS:

Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

ENVIRONMENTAL HAZARDS

This pesticide product is toxic to fish, birds and wildlife. For Reformulating Use: Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA. For Seed Treatment Use: 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 by cleaning of equipment or disposal of wastes. Drift or runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Exposed treated seeds may be hazardous to birds and other wildlife. Dispose of all excess treated seeds by burial away from bodies of water.

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.

STORAGE AND DISPOSAL

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

STORAGE: Store in a cool, dry place. Do not allow to freeze or become overheated.

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

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 bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned stay out of smoke.

Gustafson



FOR REFORMULATION INTO REGISTERED END-USE PRODUCTS

USE PATTERN: This product is for formulators in the manufacture of agricultural seed treatment fungicidal products, offered for sale to the public, and which are duly registered for seed treatment use only with the Environmental Protection Agency, Washington, D. C.

FORMULATION ASSISTANCE: Additional information regarding specific problems in formulations, involving this product may be obtained by writing: Gustafson LLC, 1400 Preston Road, Suite 400, Plano, TX 75093.

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 green houses, 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, waterproof gloves, and shoes plus socks and protective eyewear.

SEED TREATMENT:

Directions for Use as a Seed Treatment for Control of Damping-Off, Seed Decay, Seedling Blights, Oat Smut, Onion Smut, Loose and Covered Smuts of Sorghum. Apply at recommended dosage, mix into sufficient amount of water using suitable slurry seed treatment equipment. Do not use treated seed for food, feed or oil.

SEED	DISEASE	RATE, oz. / 100 lbs.
All other vegetable seed	*seed decay, damping-off, seedling blight	4.0
Beans, Lima	seed decay, damping-off, seedling blight	1.8
Beans, String	seed decay, damping-off, seedling blight	1.0
Beans, Snap	seed decay, damping-off, seedling blight	1.8
Corn, Field	seed decay, damping-off, seedling blight	1.5
Corn, Sweet	seed decay, damping-off, seedling blight	4.0
Cottonseed (Acid Delinted)	seed decay, damping-off, seedling blight	3.0
Cowpeas	seed decay, damping-off, seedling blight	1.0
Millet	seed decay, damping-off, seedling blight	2.0
Okra	seed decay, damping-off, seedling blight	3.0
Peanuts (Shelled)	seed decay, damping-off, seedling blight	2.4
Peanuts (Unshelled)	seed decay, damping-off, seedling blight	1.6
Peas	seed decay, damping-off, seedling blight	1.8
Rice	seed decay, damping-off, seedling blight	3.3
Rye	seed decay, damping-off, seedling blight, ** covered smuts or bunts	1.84
Sesame	seed decay, damping-off, seedling blight	1.5
Safflower	seed decay, damping-off, seedling blight	2.0
Sorghum	seed decay, damping-off, seedling blight, loose smuts, covered smuts and ergot	1.8
Soybeans	seed decay, damping-off, seedling blight	1.8
Spinach	seed decay, damping-off, seedling blight	4.0
Tomatoes	seed decay, damping-off, seedling blight	3.0
Turnips	seed decay, damping-off, seedling blight	4.0
Wheat	seed decay, damping-off, seedling blight, covered smuts or bunt	1.66

*Seed decay, damping-off, seedling blights are caused by an array of fungal plant pathogens from the genera; *Pythium* sps., *Fusarium* sps., *Rhizopus* sp., *Aspergillus* sps., *Cladosporium* sps., *Alternaria* sps., *Helminthosporium* sps., and others.

**Covered smuts or bunts refers to those various fungi found in the genera *Ustilago* sps., *Sporium* sp. (sorghum), *Tilletia* sps.

Only for formulation into a seed treatment fungicide, for the use sites listed below:

SEED	SEED
Barley	Castor Beans
Beans, Dry	Cauliflower
Beans, Lima	Chicory
Beans, Snap	Collards
Beans, String	Coniferous seed
Beets (Garden)	Cottonseed (Acid Delinted)
Broccoli	Cotton - reginned and fuzzy
Brussels Sprouts	Cowpeas
Cabbage	Cucumber
Canola	Eggplant
Cantaloupe	Endive
Corn, Field	Flax
Corn, Sweet	Gladiolus corms
Carrots	

(Continued next page)

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SEED

Grasses

Kale

Kohlrabi

Lettuce

Millet

Mustard

Oats

Okra

Onion

Ornamental bulbs, corms and tubers

Ornamental flower seeds

Ornamental foliage plant seeds in the families

Araliaceae (scheffleras), Aracea (philodendrons),
and Palmaceae (palms)

Peanuts (Shelled)

Peanuts (Unshelled)

Peas

Peppers

Pumpkins

SEED

Radish

Rice

Rye

Safflower

Sesame

Small seed legumes

Sorghum

Soybeans

Spinach

Squash

Sugar beets

Sunflower

Swiss Chard

Tomatoes

Triticale

Turnips

Watermelon

Wheat

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 Gustafson LLC, no claims are made to guarantee germination of carry-over seed.

As its sole express warranty, Gustafson 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, GUSTAFSON LLC SHALL NOT BE LIABLE FOR CONSEQUENTIAL DAMAGES. SUBJECT TO APPLICABLE LAW, GUSTAFSON 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 Gustafson LLC. If these terms are not acceptable, return all products to the place of purchase, unopened for a full refund.

quality product manufactured by:
Gustafson LLC
1400 Preston Road, Suite 400
Plano, Texas 75093
(972) 985-8877

Gustafson (logo) is a Reg. TM of Gustafson LLC

20(S)992060

ACCEPTED
with COMMENTS
In EPA Letter Dated:

SEP 30 1999

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

7501-20