

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



OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

Sept 25, 2000

Dennis McFadden
Gustafson LLC
P.O. 660065
Dallas, TX 75266-0065

Subject: Lorsban 50-SL, Amendment to Comply with the Chlorpyrifos MOA
EPA Reg No.: 7501-29
Submission Dated: 8/28/00

Dear Mr. McFadden:

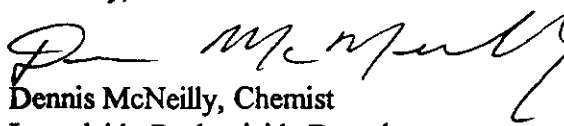
The revised product labeling referred to above, submitted in connection with the registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable, provided you incorporate the Agency's conditions as enumerated in this letter below and submit one copy of your final printed label prior to releasing the product for shipment.

1. Change "Statement of Practical Treatment" to "First Aid".

The Agency is not required to publish a use deletion FR Notice for this product amendment. The conditions of paragraph 5 of the June 2000 Memorandum of Agreement apply to this label amendment, specifically this amended label is effective December 1, 2000. Failure to comply with any of the conditions of registration set forth in Paragraph 10 of the MOA shall be grounds for cancellation of the affected registration(s) under FIFRA section 6(e). If the conditions enumerated above are not complied with, the registration will be subject to cancellation in accordance with FIFRA Section 6(e).

A stamped copy of the label is enclosed for your files. If you have questions, please contact me at (703) 308-6742 or electronically at McNeilly.Dennis@EPA.gov.

Sincerely,


Dennis McNeilly, Chemist
Insecticide-Rodenticide Branch
Registration Division (7505C)

Enclosure: (1) stamped label

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ACCEPTED
with COMMENTS - 53 -
In EPA Letter Dated:

SEP 25 2000

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

Gustafson LORSBAN® 50-SL ~~7501-29~~

Seed Treatment Wettable Powder Insecticide

For Use Only By Commercial Seed Treaters

ACTIVE INGREDIENT:

Chlorpyrifos [0,0-diethyl 0-(3,5,6-trichloro-2-pyridyl)phosphorothioate] 50%

INERT INGREDIENTS: 50%

TOTAL 100%

**KEEP OUT OF REACH OF CHILDREN
WARNING**

See Additional Precautionary Statements.

EPA Reg. No. 7501-29 EPA Est.
NET CONTENTS: 25 pounds

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

MAY BE FATAL IF SWALLOWED. HARMFUL IF ABSORBED THROUGH SKIN. CAUSES EYE IRRITATION. Avoid contact with eyes, skin, or clothing. Avoid breathing dust. Wear protective clothing and rubber gloves. Wear a pesticide respirator jointly approved by The Mining Enforcement and Safety Administration (formerly The U.S. Bureau of Mines) and by The National Institute for Occupational Safety and Health under the provisions of 30 CFR Part II. Wash thoroughly with soap and water after handling and before eating or smoking. Remove contaminated clothing and wash before reuse. Keep away from food, feedstuffs and water supplies.

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. 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 irritation persists.

IF IN EYES: Flush with plenty of water. Get medical attention if irritation persists.

IF INHALED: Remove to fresh air if effects occur. Call medical attention.

NOTE TO PHYSICIAN: Chlorpyrifos is a cholinesterase inhib-

Continued Next Column

itor. Treat symptomatically. If exposed, plasma and red blood cell cholinesterase tests may indicate significance of exposure (baseline data are useful). Atropine, only by injection, is the preferable antidote. Oximes, such as 2-PAM/protopam, may be therapeutic if used early; however, use only in conjunction with atropine. In case of severe acute poisoning, use antidote immediately after establishing an open airway and respiration.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to birds and wildlife and extremely toxic to fish and aquatic organisms. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff from treated areas may be hazardous to aquatic organisms in adjacent aquatic sites. Cover or incorporate spills. Do not contaminate water by cleaning of equipment or disposal of waste.

IN CASE OF AN EMERGENCY ENDANGERING LIFE OR PROPERTY INVOLVING THIS PRODUCT, CALL COLLECT (972) 985-8877 AGRICULTURAL CHEMICAL

Do Not Ship or Store with Foods, Feeds, Drugs or Clothing

AVISO:

PRECAUCIONAL USUARIO:

Si usted no lee ingles, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Not for use on agricultural establishments in hopper-box, planter-box, slurry-box, or other seed treatment applications at or immediately before planting.

General Information

Gustafson LORSBAN® 50-SL Insecticide is a wettable powder formulation designed for slurry treatment of seed prior to planting to protect the germinating seeds and seedlings against injury by seed corn maggots and seed corn beetles. Gustafson LORSBAN 50-SL may be applied in combination with captan, chloroneb or thiram fungicides if protection of the seed from fungi, which may cause disease or rot, is also desired.



Use and Dosage Recommendations

Federal regulations have established official tolerances for certain pesticide residues. In order that residues on food and forage crops will not exceed established tolerances, use only at recommended rates.

Treated seed must not be used for or mixed with food or animal feed or processed for oil. Seed commercially treated with Gustafson LORSBAN 50-SL must be labeled in accordance with all applicable requirements of the Federal Seed Act.

Gustafson LORSBAN 50-SL may be applied to the following seed: **Field beans, Green beans, Kidney beans, Lima beans, Navy beans, Snap beans, String beans, Wax beans, Sweet corn, Cucumbers, Black-eyed peas, Field peas, Garden peas, and Pumpkins.**

For Protection Against Soil Insects: Gustafson LORSBAN 50-SL will protect germinating seeds and seedlings against injury by seed corn maggots and seed corn beetles. Apply 2.0 oz. per 100 lbs. of seed prior to planting as a slurry treatment so as to ensure thorough coverage.

Cotton (Delinted Seed Only): To protect germinating seeds and seedlings against injury by seed corn maggots, apply 4.0 oz. per 100 lbs. of seed prior to planting as a slurry treatment so as to ensure thorough coverage.

For protection of seed from insects during storage: Gustafson LORSBAN 50-SL may be applied to the following seed: **Field beans, Green beans, Kidney beans, Lima beans, Navy beans, Snap beans, String beans, Wax beans, Field corn, Sweet corn, Cucumbers, Black-eyed peas, Field peas, Garden peas, and Pumpkins.** The application of 12 to 24 ppm of Gustafson LORSBAN 50-SL will protect seed from the following insects: Granary weevil, Rice weevil, Red flour beetle, Confused flour beetle, saw-toothed grain beetle, Indian-meal moth, Angoumois grain moth, and suppression of Lesser grain borer. The 24 ppm rate will provide a longer period of protection.

Application Rate per 100 Lbs. of Seed

<u>12 ppm</u>	<u>24 ppm</u>
0.038 oz. (1.09 g.)	0.076 oz. (2.15 g.)

Slurry Treatment

Disperse the required amount of Gustafson LORSBAN 50-SL in a water solution containing 0.5% by weight of METHOCEL* A4C Premium methylcellulose or other acceptable sticking agent. Use 12 to 15 fl. oz. of solution for each 100 pounds of seed to be treated. Generally, rough-surfaced seeds such as corn will require a greater volume of solution for complete coating than smooth-surfaced seeds such as beans. If a fungicide is used, it should be added to the slurry in accordance with its label directions. Mix the slurry with the seed using a rotating blender or other suitable mixing equipment that will ensure each seed is uniformly coated. **DO NOT MIX THE SEED AND PRODUCT WITH BARE HANDS.**

Use Restrictions

Do not use treated seed for human consumption, as feed for livestock or poultry, or for oil purposes. Do not allow livestock to graze or feed bean hay or pea hay grown from treated seed. Label treated seed as follows: **TREATED SEED. DO NOT USE FOR FOOD, FEED OR OIL.**

NOTE: The purchaser of this product is responsible for ensuring that all seed treated with this product are adequately dyed with a suitable color to prevent its accidental use as food for man or feed for animals. Refer to 21CFR, Part 2.25. Any dye added to treated seed must be cleared for use under 40 CFR, Part 180.1001.

Labels for commercially treated seed should include the follow-

ing addition to the Environmental Hazards statements:

Exposed treated seed may be hazardous to birds and other wildlife. Dispose of all excess treated seed and seed packaging by burial away from bodies of water.

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 become overheated.

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 residue into application equipment. Do not reuse container. Dispose of liner in a sanitary landfill or by incineration if allowed by State and local authorities. If drum is contaminated and cannot be reused, dispose of in the same manner.

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.

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

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

LORSBAN is a Reg. TM of Dow AgroSciences

29(S)-008280