

APR 11 1991

Mr. J. Terry Pitts
Gustafson, Incorporated
P.O. Box 660065
Dallas, Texas 75266-0065

Dear Mr. Pitts:

Subject: Revised Labeling
Gustafson Lorsban 50 SL
EPA Registration Number 7501-29
Your Application Dated January 8, 1991

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), sec. 3(c)(7)(A), is acceptable provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) 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 bearing the amended labeling constitutes acceptance of these conditions.

A stamped copy of the labeling is enclosed for your records.

Sincerely yours,

Dennis H. Edwards, Jr.
Product Manager (12)
Insecticide Rodenticide Branch
Registration Division (H7505C)

Enclosure

Gustafson

ACCEPTED
with COMMENTS
in EPA Letter Dated

LORSBAN® 50-SL SEED TREATMENT WETTABLE POWDER INSECTICIDE

APR 11 1991
Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
7501-29

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: 50 Pounds

**PRECAUTIONARY STATEMENTS
HAZARD 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 11. 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.

Continued Next Column

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 inhibitor. 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/protopant, 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. 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
(214) 985-8877
AGRICULTURAL CHEMICAL**

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

AVISO:
PRECAUCION AL 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.

BEST AVAILABLE COPY

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, Field corn, 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 ounces per hundredweight 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 ounces per hundredweight of seed prior to planting as a slurry treatment so as to ensure thorough coverage.

For protection of Seed for the crops listed above from insects during storage. 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, Angourmious grain moth, and suppression of Lesser grain borer. The 24 ppm rate will provide a longer period of protection

Application Rate per Cwt of Seed

12 ppm	24 ppm
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 fluid ounces 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 following 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 LIMITED WARRANTY STATEMENT

Treatment of highly mechanically damaged seed, or seed of known low vigor and poor quality, except for the purpose of curative control of existing disease or insect pests, may result in reduced germination and/or reduction of seed and seedling vigor. Treat and germination test a sample of the seed lot before treating with a selected chemical treatment. Excess seed should not be carried over from one season to the next without re-testing germination. Due to seed quality conditions beyond the control of Gustafson, no claims are made to guarantee germination of carry-over seed.

Gustafson 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. Gustafson neither makes, nor authorizes any agent or representative to make any other warranty of FITNESS or MERCHANTABILITY, guarantee or representation, expressed or implied, concerning this material. In the event of any breach of this limited warranty, Gustafson shall not be liable for consequential damages.

A quality product manufactured by:
Gustafson, Inc.
1400 Preston Road, Suite 400
Plano, Texas 75093
(214) 985-8877

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LORSBAN is a Reg. Trademark of The Dow Chemical Company

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