



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

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

DEC 26 2001

Dear Mr. McFadden:

Subject: Amendment - Comply with 2000 Diazinon MOA;
Update First Aid per PR Notice 2001-1; and
Update CSF/replacement diazinon source
Vitavax-Diazinon-Lindane Seed Treatment Insecticide-
Fungicide
EPA Registration Number 7501-112
Your submission dated June 26, 2001

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

1. Submit and/or cite all data or other material required for registration/reregistration of your product under FIFRA section 3(c)(5) or FIFRA section 4 when the Agency requires all registrants of similar products to submit such data.
2. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling:
 - a. In the Hazards to Humans text, add as the last sentence "Do not use treated seed for food, feed or oil purposes."
 - b. Replace the Environmental Hazards text with the following:
"This product is highly toxic to fish, birds, and other wildlife. Exposed treated seed may be hazardous to birds and other wildlife. In the event treated seeds are spilled and cannot be salvaged, completely cover them with soil. 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."
3. Submit three (3) 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 section 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.

The Basic Confidential Statement of Formula (CSF) dated June 12, 2001 and the Alternate Confidential Statement of Formula dated June 12, 2001 which identify replacement diazinon source Manufacturing Use Products are acceptable and have been added to this product's registration file.

Sincerely,

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

ACCEPTED
with COMMENTS
in EPA Label Draft

DEC 26 2001

3/5

7501-112

VITAVAX®- DIAZINON - LINDANE Seed Treatment Insecticide-Fungicide

Active Ingredients:

Carboxin (5,6-Dihydro-2-methyl-N-phenyl-1,4-oxathiin-3-carboxamide)	14%
Diazinon (0,0-diethyl 0-(2-isopropyl-6-methyl-4-pyrimidinyl) phosphorothioate)	15%
Lindane (gamma isomer of benzene hexachloride)	25%
Inert Ingredients:	46%
Total	100%

Contains graphite

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

See additional precautionary statements.

EPA Reg. No. 7501-112 EPA Est.

**PRECAUTIONARY STATEMENTS
Hazards to Humans and Domestic Animals
CAUTION**

Harmful if swallowed, inhaled or absorbed through the skin. Avoid contact with skin, eyes, or clothing. Avoid breathing dust or vapors. May cause contact sensitization following repeated contact with skin in susceptible individuals. If sensitization reactions result, contact a physician. Treat outdoors in a well ventilated place. Repeated exposure to cholinesterase inhibitors such as are contained in this product may, without warning, cause prolonged susceptibility to very small doses of any cholinesterase inhibitor. If you feel sick in any way STOP work and get help right away. SEE PRACTICAL TREATMENT SECTION. Avoid contamination of feed and foodstuffs. Do not store with food. Do not store with feed or forage to be fed to dairy animals or to animals being finished for slaughter.

PERSONAL PROTECTIVE EQUIPMENT:

Applicators and other handlers must wear: long-sleeved shirt and long pants, waterproof gloves, shoes plus socks, and a respirator with either an organic vapor-removing cartridge with a 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 N,R,P or HE prefilter.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse. 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.

USERSAFETYRECOMMENDATIONS:

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.

FIRST AID

Organophosphate

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

If swallowed:

- Call a poison control center or doctor immediately for treatment advice.
- Have person sip a glass of water if able to swallow.
- Do not induce vomiting unless told to do so by a poison control center or doctor.
- Do not give anything by mouth to an unconscious or convulsing person.

If inhaled:

- Move person to fresh air.
- If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.
- Call a poison control center or doctor for treatment advice.

If on skin or clothing:

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15 - 20 minutes.
- Call a poison control center or doctor for treatment advice.

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.

Note to Physician:

This product contains an organophosphate insecticide. If symptoms of cholinesterase inhibition are present, atropine sulfate by injection is antidotal. 2-PAM is also antidotal and may be administered, but only in conjunction with atropine.

ENVIRONMENTAL HAZARDS

This product is highly toxic to birds, fish and other wildlife. Birds feeding in treated areas may be killed. For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark.



Runoff maybe hazardous to aquatic organisms in neighboring areas. Exposed treated seeds may be hazardous to birds and other wildlife. Collect or incorporate treated seeds that are spilled during loading or are visible on soil surface in turn areas. Dispose of all excess treated seeds by burial away from bodies of water. Do not contaminate water when disposing of equipment washwaters.

STORAGE AND 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.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Reformulation or repackaging of this product is prohibited. Read all directions before using and use only as specified on this label.
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.

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 12 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.

VITAVAX-Diazinon-Lindane Seed Treatment is a ready to use dust base product especially formulated for seed treatment at planting time. This product is formulated to help lubricate the planter box and assure a smooth, even flow to the furrow. It contains a systemic fungicide, VITAVAX, for protection of seeds from seed and seedling diseases; Diazinon for protection against seed corn beetles and seed corn maggots; and Lindane

for protection against wireworms. VITAVAX-Diazinon-Lindane Seed Treatment may be used on seed previously treated with Captan or Thiram. Do not use on seed previously treated with any insecticide other than stored grain protectant. Do not use on foundation seed stock.

CORN

Planter Box Application: Use VITAVAX-Diazinon-Lindane Seed Treatment at the rate of 1.5 ounces (one pouch) per 42 pounds of seed (2 oz/bu). Apply as a drill box treatment mixing thoroughly with the seed before planting. For best results, the following procedure is suggested. Fill the drill box only half full of seed; add half the required amount of product and mix thoroughly with a stick. Then add the remainder of seed to the drill box and add the rest of the required amount of product to the seed, again mixing thoroughly. **DO NOT MIX WITH BARE HANDS.** Use only at the recommended rate. Lower amounts may not give desired control. Excessive amounts may cause seed injury.

Good results are also obtained by premixing seed with the product in a suitable container, then pouring treated seed into the planter box.

Note: Do not use on foundation seed stock. Do not use on seed already treated with an insecticide other than stored grain protectant. Regularly inspect planter plates and clean as required. If the seed treatment increases the friction between seeds sufficient to reduce the rate of delivery through a grain drill, 1 ounce of graphite per bushel of seed should be added as a drill lubricant. Adjust the seed drill to give the required rate of seed delivery with the treated seed. Check planter periodically to verify the proper planting rate is being delivered.

Clean-up for Electric Eye Population Monitors: At the end of each day of use, clean out the electric-eye monitors with brushes provided by the planter manufacturers, according to their directions.

USE RESTRICTIONS

Treated seed must not be used for or mixed with food or animal feed, or processed for oil. Care must be exercised in the handling of treated seed. Treat only those seeds needed for immediate use, minimizing the interval between treatment and planting. Do not store excess seeds beyond planting time.

Read entire label. Use strictly in accordance with precautionary statements and directions, and with applicable state and federal regulations.

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.

Net Contents: EPA Est. _____

A quality product manufactured by:

Gustafson LLC
1400 Preston Road, Suite 400
Plano, Texas 75093
Questions? (972) 985-8877

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