



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

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

OCT 26 2004

Dear Mr. McFadden:

Subject: Amendment - Revise label per Lindane RED  
Gustafson Captan Lindane 12.5-25 Seed Protectant  
EPA Registration Number 7501-38  
Your submission dated September 17, 2004

The amendment referred to above, submitted in connection with registration under with registration under FIFRA section 3(c)(7)(a), is acceptable and a stamped copy of the label is enclosed for your records. The following revision should be made when preparing the finished labeling:

a. At the end of the HAZARDS TO HUMANS AND DOMESTIC ANIMALS text add:

“Avoid contamination of food or feed. Do not store with food, feed, or forage. This product should be applied in a well ventilated area.”.

Please submit five (5) copies of the revised amended label incorporating the above revisions as soon as it becomes available. As agreed upon, all new production of this product after the date of November 30, 2004 must bear the revised amended label.

Please note that this acceptance does not constitute reregistration of the subject product. Such determination will be made following completion of the Agency's review of data submitted in response to the associated Lindane Data Call-In Notice.

Sincerely,

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

2 7 5

# Gustafson

## CAPTAN LINDANE

### 12.5 – 25 SEED PROTECTANT

This product may only be used as an on-farm seed treatment for corn and sorghum.

**ACTIVE INGREDIENTS:**

Captan*	12.23%
Related Derivatives	0.27%
Lindane**	25.00%
<b>INERT INGREDIENTS</b>	<b>62.50%</b>
<b>TOTAL</b>	<b>100.00%</b>

\*N-trichloromethylthio-4-cyclohexene-1,2-dicarboximide

\*\*Gamma isomer of Benzene hexachloride

EPA Reg. No. 7501-38

EPA Est.

NET CONTENTS:

ACCEPTED  
WITH COMMENTS  
in EPA Letter dated

OCT 26 2004

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

7501-38

KEEP OUT OF REACH OF CHILDREN

**DANGER PELIGRO**

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

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

Causes irreversible eye damage. Harmful if swallowed or inhaled. May cause allergic skin reactions. Do not get in eyes.

**FIRST AID**

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

<b>If in eyes</b>	<ul style="list-style-type: none"> <li>• 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.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
<b>If swallowed</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>If inhaled</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
<b>If on skin or clothing</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>

**Note to Physician:** Probable mucosal damage may contraindicate the use of gastric lavage.

**IN CASE OF AN EMERGENCY ENDANGERING LIFE OR PROPERTY INVOLVING THIS PRODUCT, CALL:**

**CHEMTREC: (800) 424-9300 (Toll free – US)**

**CHEMTREC: (703) 527-3387 (Domestic and International)**

A Quality Product Manufactured By:

**Gustafson** 

Gustafson LLC • 1400 Preston Rd., Suite 400 • Plano, TX 75093  
Questions? (972) 985-8877

**PERSONAL PROTECTIVE EQUIPMENT (PPE):**

Some materials that are chemical resistant to this product are nitrile rubber, neoprene rubber, barrier laminate and Viton. If you want more options, follow the instructions for category E on an EPA chemical resistance category selection chart.

Mixers, loaders, applicators and other handlers, including persons handling or planting treated seeds, must wear: coveralls over long-sleeved shirt and long pants, chemical-resistant footwear plus socks, chemical-resistant gloves, protective eyewear and a NIOSH-approved respirator with any N, R, P or HE filter.

Persons drying or bagging treated seeds or sewing bags of treated seeds are handlers and must wear handler personal protective equipment.

Handlers using closed systems and handlers planting or otherwise handling treated seed must wear: long-sleeved shirt and long pants, shoes plus socks, chemical-resistant gloves, chemical-resistant apron when mixing, loading or treating seeds on farm.

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.

**ENGINEERING CONTROLS:**

When handlers use closed systems designed by the manufacturer to enclose the pesticide to prevent it from contacting handlers or other people AND the system is functioning properly and is used and maintained in accordance with the manufacturer's written operating instructions, the handlers need only wear long-sleeved shirt, long pants, chemical-resistant gloves, shoes and socks. However, the respirator must be immediately available for use in an emergency, such as a spill or equipment breakdown.

**USER SAFETY RECOMMENDATIONS:**

Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Users should remove clothing/PPE immediately if pesticides get inside. Then wash thoroughly and put on clean clothing. Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change clothing.

**ENVIRONMENTAL HAZARDS**

This pesticide is toxic to fish, birds and other wildlife. Dispose of all excess treated seeds by burial away from bodies of water. Do not contaminate water by disposing of equipment washwaters or rinsate. Apply this product only as specified on the label.

**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. 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 24 hours. Exception: If the seed is treated with the product and the treated seed 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 worn over short-sleeved shirt and short pants, chemical-resistant gloves made of any waterproof material, shoes plus socks and chemical-resistant footwear plus socks and protective eyewear.

### SEED TREATMENT DOSAGE RATES

Corn	3.57
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**Sorghum** 4

Apply as a drill box treatment, mixing thoroughly with the seed before planting. For best results, the following procedure is suggested. Fill drill box only half full of seed, add half the required amount of Gustafson Captan Lindane 12.5-25 Seed Protectant and mix thoroughly with a stick. Then add remainder of seed to drill box and add the rest of the required amount of product to the seed, again mixing thoroughly.

## ROTATIONAL CROPS

A plant-back interval of 30 days should be observed for leafy vegetables and 12 months for all unregistered crops. Barley, wheat, oats, rye, corn and sorghum may be replanted immediately.

**PROHIBITIONS:** Do not contaminate water, food or feed by storage, disposal or cleaning of equipment. Open dumping is prohibited. Do not reuse empty container.

**STORAGE:** Keep pesticide in original container. Do not put concentrate or dilute into food or drink containers. Store in a cool, dry place. Protect from excessive heat. Do not store or transport near feed or food.

**PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. 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 Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**CONTAINER DISPOSAL:** Completely empty liner into application equipment. Then dispose of empty liner in a sanitary landfill, or by incineration, or, if allowed by state and local authorities by burning. If burned, stay out of smoke.

**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

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CAPTAN LINDANE 12.5-25

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 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.

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