

PM21 7501-146 1043

US ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (TS-767) WASHINGTON, DC 20460  <b>NOTICE OF PESTICIDE:</b> <input checked="" type="checkbox"/> REGISTRATION <input type="checkbox"/> REREISTRATION <i>(Under the Federal Insecticide, Fungicide,          and Rodenticide Act, as amended)</i>	EPA REGISTRATION NO. 7501-146	DATE OF ISSUANCE July 9, 1992
	TERM OF ISSUANCE Conditional	
	NAME OF PESTICIDE PRODUCT Kodiak HB Biological Fungicide	

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Gustafson, Inc.  
 P.O. Box 660065  
 Dallas, Texas 75266-0065

RECEIVED

3 1992

REGULATORY AFFAIRS

NOTE: Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an indorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA section 3(c) (7) (C) provided that:

- The data listed below, conducted in accordance with the 40 CFR Part 158 test guidelines referred to below is submitted for the manufacturing use product used in formulating this product.

Guideline Reference Number	Study Title	Date Due
154A-16	Avian Acute Oral (Bobwhite Quail)	April 15, 1993

- If necessary, you will submit/cite all data required for registration/reregistration of your product under FIFRA section 3(c) (5), or 4(a) when the Agency requires all registrants of similar products to submit such data.
- You will submit production information (pounds or gallons produced) for this product for the fiscal year in which the product is conditionally registered, in accordance with FIFRA section 29. The fiscal year begins October 1 and ends September 30. The production information will be submitted to the Agency no later than November 15, following the end of the preceding fiscal year.

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL: *Carl Grable for Susan Lewis* DATE: July 9, 1992

This information should be submitted to:

U.S. Environmental Protection Agency  
Office of Pesticide Programs (H7504C)  
Document Processing Desk (RSB)  
401 M Street, S.W., CM#2  
Washington, DC 20460

- 4. Add the phrase, "EPA Registration No. 7501-146" to your label before you release the product for shipment.
- 5. The following precautionary statements must be added to the label under Environmental Hazards, "Do not apply directly to water, 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 washwater or rinsate."
- 6. Add the statement, "Do not use excess treated seed for food, feed, or oil purposes."
- 7. Submit five (5) copies of your final printed labeling before you release the product for shipment.

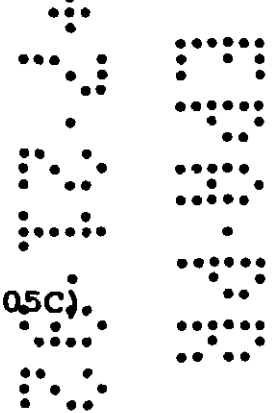
If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

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

Sincerely yours,

*Carl Seneble for*

Susan T. Lewis  
Product Manager (21)  
Fungicide-Herbicide Branch  
Registration Division (H-7505C).



Encl.

3043

# Gustafson KODIAK™ HB

Biological Fungicide  
FOR USE AS A SEED TREATMENT

**ACTIVE INGREDIENT:**

✓ *Bacillus subtilis* (nominal concentration of  
1.2 X 10<sup>10</sup> viable spores per gram) ..... 0.6%  
**INERT INGREDIENTS:** ..... 99.4%

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**  
See Additional Precautionary Statements

EPA Reg. No. 7501- \_\_\_\_\_ EPA Est. \_\_\_\_\_  
Net Contents: \_\_\_\_\_

**Precautionary Statements  
Hazards to Humans and Domestic Animals  
CAUTION**  
Harmful if inhaled. Avoid contact with eyes, skin or clothing. In case of contact, flush affected area with plenty of water. Repeated or prolonged excessive exposure may lead to respiratory sensitization in susceptible individuals. When applying or handling concentrate or in the absence of adequate ventilation, wear a paper dust mask which covers at least one-third of the face. Wash face, hands and arms thoroughly with soap and water after handling and before eating or smoking.  
**Statement of Practical Treatment**  
If on skin, wash with soap and water. Get medical attention if irritation develops.  
If in eyes, flush with water. Get medical attention if irritation develops.  
**Environmental Hazards**  
Cover or incorporate spilled seed or seed on soil surface.

**DIRECTIONS FOR USE**  
It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

**STORAGE AND DISPOSAL**  
Do not contaminate water, food, or feed by storage or disposal. Do not contaminate water by cleaning of equipment or disposal of wastes.  
**STORAGE:** Store in a dry place.  
**PRODUCT DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.  
**CONTAINER DISPOSAL:** Completely empty package by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into mixing equipment. Then dispose of package in a sanitary landfill or by incineration if allowed by State and local authorities. Dispose of box in the same manner. Do not reuse package or box.

KODIAK HB is a biological fungicide that consists of a unique strain of naturally occurring *Bacillus subtilis*. KODIAK HB may be used in combination with other seed treatment chemicals, such as Captan, Thiram, VITAVAX® and APRON®.  
KODIAK HB contains bacteria which colonize the developing root system, competing with disease organisms that attack root systems. As the root system grows and matures, the bacteria grow with the roots to extend protection right up to harvest. As a result of this biological protection, a vigorous root system is established by the plant, which often results in more uniform stands and more vigorous plants.

**FOR USE AS A SEED TREATMENT**  
Treat seed with KODIAK HB at the rate of 8 to 16 ounces per 100 pounds of agricultural seed prior to planting. Adjust rate accordingly to provide good coverage. Larger seed, because of reduced surface area, require less product per 100 pounds than smaller seed.

**INSTRUCTIONS FOR USE (Hopper Box)**  
Fill hopper half full of seed, pour desired amount of KODIAK HB on the seed and stir. Finish filling hopper to desired level and pour on remainder of KODIAK HB to balance of seed and stir. Movement of planter across the field will help mix the KODIAK HB with the seed.

**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, except for the purposes of curative control of existing disease or insect pests, 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, Inc., no claims are made to guarantee germination of carry-over seed.  
As its sole express warranty, Gustafson, Inc., 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, INC. 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, Inc. If these terms are not acceptable, return all products to the place of purchase, unopened for a full refund.

KODIAK (S)-299160

Another quality product from:  
**Gustafson, Inc.**  
1400 Preston Road, Suite 400  
Plano, TX 75093

GUSTAFSON (logo) is a Reg. TM of Gustafson, Inc.  
KODIAK is a TM of Gustafson, Inc.  
VITAVAX is a Reg. TM of Unroyal Chemicals  
APRON® - TM of Ciba Geigy for Methyl Thiocarbonyl Sulfide  
**COMMENTS**  
EPA Letter Dated:

JUL 09 1992

Under the Fungicide, and Plant Products Act as amended, for the pesticide registered under EPA Reg. No.