


PM 21 7501-144 1043

US ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (TS-767) WASHINGTON, DC 20460 NOTICE OF PESTICIDE:  REGISTRATION REREGISTRATION <i>(Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended)</i>	EPA REGISTRATION NO. 7501-144	DATE OF ISSUANCE July 9, 1992
	TERM OF ISSUANCE Conditional	
	NAME OF PESTICIDE PRODUCT Gus 2000 Concentrate Biological Fungicide	

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

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

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:

1. You will submit the data listed below, conducted in accordance with the 40 CFR Part 158 test guidelines referred to below:

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

2. 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.
3. 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 <i>Carl Grable for Susan Lewis</i>	DATE July 9, 1992
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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. 7501-144" to your label before you release the product for shipment.
5. The following precautionary statements must be added to the label under Environmental Hazards:

For Reformulating Use: Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or public water unless this product is specifically identified and addressed in an NPDES permit. Do not discharge effluent containing this product to sewer systems without previously notifying the sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

For Seed Treatment Use: 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 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,



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

Encl.

H7505C:C.Grable:cg:7/9/92

Gus 2000

Concentrate

Biological Fungicide

FOR FORMULATING INTO REGISTERED END-USE PRODUCTS AND FOR USE AS A SEED TREATMENT

ACTIVE INGREDIENT:

Bacillus subtilis (not less than 5.5 X 10¹⁰ viable spores per gram).....2.75%

INERT INGREDIENTS:.....97.25%

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

Causes skin irritation. 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 sensitization of skin and lungs 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 persists.

If in eyes, flush with water. Get medical attention if irritation persists.

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.

Gus 2000 Concentrate is a biological fungicide that consists of a unique strain of naturally occurring *Bacillus subtilis*. Gus 2000 Concentrate may be used in combination with other seed treatment chemicals, such as Captan, Thiram, VITAVAX® and APRON®. Gus 2000 Concentrate 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 REFORMULATION INTO REGISTERED END-USE PRODUCTS

USE PATTERN: This product is for use for formulators in the manufacture of agricultural fungicide products, offered for sale to the public, and which are duly registered with the Environmental Protection Agency, Washington, D.C.

FORMULATION ASSISTANCE: Additional information regarding specific problems in formulations, involving this product may be obtained by writing: Gustafson, Inc., P.O. Box 660065, Dallas, Texas 75266-0065.

FOR USE AS A SEED TREATMENT

Treat seed with Gus 2000 Concentrate at the rate of 2-4 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 Gus 2000 Concentrate on the seed and stir. Finish filling hopper to desired level and pour on remainder of Gus 2000 Concentrate to balance of seed and stir. Movement of planter across the field will help mix the Gus 2000 Concentrate with the seed.

INSTRUCTIONS FOR USE (Slurry)

Application should be made using standard on-farm slurry seed treatment equipment. Uniform application to seed is recommended to insure best disease control. Mechanical agitation is required for slurries to prevent settling.

NOTICE - READ CAREFULLY 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.

Gustafson warrants that this product conforms to the agent description on the label and is reasonably fit for purposes stated on the label 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.

Another quality product from:

Gustafson, Inc.

1400 Preston Road, Suite 400

Plano, TX 75093

GUSTAFSON (logo) is a Reg. TM of Gustafson, Inc.
 VITAVAX is a Reg. TM of Unifert, Inc.
 APRON® TM of Ciba Geigy

3200C(S)-198110

COMMENTS
 In EPA Letter D-100

JUL 09 1992

Under the provisions of the
 Federal Insecticide, Fungicide,
 and Rodenticide Act, this product
 is registered under label 3200C(S)-198110
 7501-141