

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, Texas 75093

SEP 9 2002

Subject: Allegiance  
EPA File No.: 7501-132  
Submission dated July 10, 2002

Dear Mr. McFadden:

The revised product labeling referred to above, submitted in connection with the registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable provided the following label revisions are made:

- 1) Move the Storage and Disposal section below the Ag Use Requirements box or to the end of the Directions for Use.
- 2) Under "Environmental Hazards": delete the phrase "For terrestrial uses" from the first sentence.
- 3) Remove the phrase "contains graphite" from the ingredients statement or list all inert ingredients.

A stamped copy of the label is enclosed for your records. Submit one copy of your final printed label before your release the product for shipment. The Agency does note that one source of technical material was voluntarily canceled in May, 1996. If you have questions about this label review, please contact Dennis McNeilly at (703) 308-6742 or electronically at [mneilly.dennis@EPA.gov](mailto:mneilly.dennis@EPA.gov).

Sincerely,

A handwritten signature in cursive script that reads "Mary L. Waller".

Mary L. Waller  
Product Manager (21)  
Fungicide Branch  
Registration Division (7505C)

Enclosure: stamped label

SEP 9 2002

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

7501-132

# Gustafson Allegiance™

## Dry Seed Protectant Fungicide

### ACTIVE INGREDIENT:

Metalaxyl.....12.5%

INERT INGREDIENTS:.....87.5%

TOTAL\*\*.....100.0%

\*\*Contains Graphite

EPA Reg. No. 7501-132 EPA Est.

### KEEP OUT OF REACH OF CHILDREN PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

Harmful if swallowed or absorbed through skin. Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling.

#### PERSONAL PROTECTIVE EQUIPMENT:

Applicators and other handlers must wear: long-sleeved shirt and long pants, socks and shoes and chemical resistant gloves made of any waterproof material.

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.

#### USER SAFETY RECOMMENDATIONS:

Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Users should remove clothing immediately if pesticide gets 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.

### FIRST AID

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 person.

#### 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 15 minutes, then continue rinsing eye.

- Call a poison control center or doctor for treatment advice.

### ENVIRONMENTAL HAZARDS

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. Do not apply when weather conditions favor drift from treated areas. Do not contaminate water when disposing of equipment washwaters.

Groundwater Advisory: This chemical is known to leach through soil into groundwater under certain conditions as a result of agricultural use. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in ground water contamination.

### STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

**STORAGE**—Store in a cool, dry location. Do not store in direct hot sunlight.

**PESTICIDE 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 container into application equipment. Then dispose of empty container 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.

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

continued next page

# Gustafson



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 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 over long-sleeved shirt and long pants, socks and chemical resistant footwear and chemical resistant gloves made of any water-proof material.

#### GENERAL INFORMATION

Allegiance is a systemic fungicide seed dressing specifically for control of systemic downy mildews and seedling diseases caused by soilborne *Pythium* and *Phytophthora* spp. For control of other soilborne diseases, such as *Rhizoctonia* spp., Allegiance Dry should be applied in combination with other registered seed dressing fungicides.

Note: Allegiance is a systemic fungicide having a specific mode of action. Allegiance could be subject to development of resistant strains of fungi. Development of resistance cannot be predicted. Therefore, Gustafson cannot assume liability for crop damage resulting from resistant strains of fungi. Consult with your State Agricultural Experiment Station or Extension Service Specialist for guidance and ways to control any possible Allegiance resistant strains of fungi which may occur.

FAILURE TO FOLLOW THE DIRECTIONS FOR USE PRECAUTIONS ON THIS LABEL MAY RESULT IN CROP INJURY OR POOR DISEASE CONTROL.

Allegiance Dry Seed Protectant Fungicide is a dry powder formulated specifically for seed treatment application. Unique formulation technology has been incorporated to help lubricate the planter, thus allowing a smooth, even flow of seed to the furrow, while providing uniform seed coverage and adherence to the seed.

Allegiance Dry should be applied by thoroughly mixing with seed in the planter box with the Mighty Mixer or utilizing the Gustafson CF-80\* treater or other dry seed treatment application equipment to maximize seed coverage. (\*Calibrate the Gustafson CF-80 treater as per the manufacturer's instruction).

#### SEED TREATMENT

**Cotton:** For *Pythium* seed rot and damping-off: Apply Allegiance Dry as a seed treatment to machine delinted or acid delinted cottonseed at the rate of 1.5-2.0 ounces per 100 lbs. of seed.

**Forage Grasses:** Grasses grown for hay, grazing or silage, corn (fodder or silage), and small grain grown for hay, grazing or silage. For *Pythium* damping-off control: Apply Allegiance Dry as a seed treatment at the rate of 1.5-2.0 ounces per 100 lbs. of seed.

**Forage Legumes:** Alfalfa, clover, lespedeza, beans (for forage), soybeans (for forage, soybean hay, peas (for forage), pea vine hay, cowpeas (for forage), cowpea hay, trefoil, vetch and velvet beans (for forage). For *Pythium* damping-off and early season *Phytophthora* control: Apply Allegiance Dry as a seed treatment at the rate of 2 ounces per 100 lbs. of seed. For suppression of early season downy mildew in alfalfa and soybeans: Apply

Allegiance Dry as a seed treatment at the rate of 2 ounces per 100 lbs. of seed.

**Garden Beets:** For control of *Pythium* damping-off: Apply Allegiance Dry as a seed treatment at the rate of 2 ounces per 100 lbs. of seed.

**Grain Crops:** Wheat, barley, rye, oats, millet, rice, corn (field corn, sweet corn, and popcorn), buckwheat and triticale. For *Pythium* damping-off control: Apply Allegiance Dry as a seed treatment at the rate of 1.5-2.0 ounces per 100 lbs. of seed.

**Turfgrasses (All):** For *Pythium* damping-off control on golf courses, home lawns, reclamation and erosion control projects: Apply Allegiance Dry as a seed treatment at the rate of 2-4 ounces per 100 lbs. of seed.

**Seed and Pod Vegetables:** Black-eyed peas, cowpeas, dill, edible soybeans, field beans, chick peas (garbanzo beans) field peas, garden peas, green beans, kidney beans, lima beans, navy beans, okra, peas, pole beans, snap beans, string beans, wax beans, lentils and lupines. For *Pythium* damping-off and early season *Phytophthora* control: Apply Allegiance Dry as a seed treatment at the rate of 2 ounces per 100 lbs. of seed.

**Sorghum:** For control of *Pythium* damping-off on all sorghum cultivars, use 2 ounces of Allegiance Dry per 100 lbs. of seed applied as a seed treatment. For control of Systemic Downy Mildew, apply 2 ounces of Allegiance Dry per 100 lbs. of seed on cultivars which possess sorghum downy mildew resistance. To those cultivars which do not possess resistance to a particular race of sorghum downy mildew in heavily infected areas with recent severe history, apply 4 ounces of Allegiance Dry per 100 lbs. of seed as a seed treatment. Only high quality sorghum seed (90% germ and above) should be treated with Allegiance Dry.

**Sugar Beets:** For control of *Pythium* damping-off: Apply Allegiance Dry as a seed treatment at the rate of 2 ounces per 100 lbs. of seed.

**Soybeans:** For *Pythium* damping-off and early season *Phytophthora* control: Apply Allegiance Dry as a seed treatment at the rate of 1.5-2 ounces per 100 lbs. of seed.

**Sunflower:** For control of Systemic Downy Mildew: Apply Allegiance Dry as a seed treatment at the rate of 4 ounces per 100 lbs. of seed.

#### USE PRECAUTIONS

1. For planters with electric eye monitors, periodically clean them with brushes provided by the planter manufacturer, according to their directions.
2. Treated seed must not be used or mixed with food or animal feed, or processed for oil.
3. Treat only those seeds needed for immediate use, minimizing the interval between treatment and planting.
4. Do not carry over excess treated seeds to next season.
5. Do not use this product on seed which has been commercially treated with Metalaxyl (Allegiance) Fungicide.

#### 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, 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 LLC. If these terms are not acceptable, return all products to the place of purchase, unopened for a full refund.

Gustafson (Logo) is a registered trademark of Gustafson LLC, Plano, Texas

A quality product manufactured by:

**Gustafson LLC**

1400 Preston Road, Suite 400

Plano, Texas 75093

Questions? (972) 985-8877