

7501-174

04/07/2000

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## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY



U.S. ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Registration Division (H7505C)  
401 "M" St., S.W.  
Washington, D.C. 20460

EPA Reg.  
Number:

7501-174

Date of Issuance:

APR 7 2000

Term of Issuance:

Conditional

Name of Pesticide Product:

Gustafson Allegiance  
50WP

## NOTICE OF PESTICIDE:

X Registration  
Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Gustafson, LLC  
1400 Preston Road, Suite 400  
Plano, TX 75093

**Note:** Changes in labeling 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 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.

Registration is in no way to be construed as an endorsement or recommendation of this product by the 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 the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) Section 3(c)(7)(A) provided that you:

1. Submit/cite all data required for Registration/Reregistration/Registration Review of your product under FIFRA Section 3(c)(5) or 4 or 3(g) when the Agency requires all registrants of similar products to submit data.
2. Make the following label revisions: A) change the EPA File Symbol to EPA Registration Number 7501-174; B) in the precautionary statements box, under the heading for PPE, add 'Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category A on an EPA chemical-resistance category selection chart.' Under 'Applicators and other handlers must wear' and in the agricultural use requirements box, replace 'waterproof gloves' with 'chemical-resistant gloves made of any waterproof material such as polyethylene or polyvinyl chloride.'

Submit one copy of the revised final printed label before you release the product for shipment. A stamped copy of the label is enclosed for your records. If there are questions concerning this matter, contact Dr. Tom Ellwanger at (703) 308-9352.

Signature of Approving Official:

*Mary L. Waller*

Mary L. Waller  
Product Manager (21)  
Fungicide Branch

Date:

APR 7 2000

Registration Division (7505C) CONCURRENCES

SYMBOL	Form 8570-6								
SURNAME	Ellwanger								
DATE	3/29/00								

ACCEPTED  
with COMMENTS  
In EPA Letter Dated

APR 7 2000  
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.

7501-174

# Gustafson

## ALLEGIANCE™ 50WP

### Fungicide

SEED TREATMENT CHEMICAL FOR CONTROL OF SYSTEMIC DOWNY MILDEW,  
SEED ROT AND DAMPING-OFF DISEASES OF CERTAIN CROPS

FOR USE ONLY BY COMMERCIAL SEED TREATERS

#### ACTIVE INGREDIENT:

Metalaxyl: N-(2,6-dimethylphenyl)-  
N-(methoxyacetyl)alanine methyl ester ..... 50.0%

INERT INGREDIENTS: ..... 50.0%

TOTAL ..... 100.0%

Allegiance 50WP is a wettable powder.

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

See Additional Precautionary Statements.

EPA Reg. No. 7501- EPA EST. No.

NET CONTENTS:

#### PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

Causes moderate eye irritation. Harmful if swallowed or absorbed through skin. Avoid contact with eyes, skin or clothing.

#### STATEMENT OF PRACTICAL 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 by the poison control center or doctor.

**IF ON SKIN:** 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. Call a poison control center or doctor for treatment advice.

#### PERSONAL PROTECTIVE EQUIPMENT(PPE):

Applicators and other handlers must wear: Long-sleeved shirt and long pants, waterproof gloves and shoes plus socks. 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 CONTROL STATEMENTS

When handlers use closed systems in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

#### 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. 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.

#### ENVIRONMENTAL HAZARDS

Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Apply only as specified on this label. Do not apply when weather conditions favor drift from treated areas. Do not contaminate water when disposing of equipment washwater or rinsate.

**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 groundwater contamination.

#### PHYSICAL AND CHEMICAL HAZARDS

Do not use or store near heat or open flame.

#### 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.



**IMPORTANT:** Read the entire **Directions for Use** and the **Conditions of Sale and Warranty** before using this product. If terms are not acceptable, return the unopened product container at once.

### 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, waterproof gloves and shoes plus socks.

### GENERAL INFORMATION

Allegiance 50WP is a systemic fungicide seed dressing specifically for control of systemic downy mildews and diseases caused by soil-borne *Pythium* and *Phytophthora* spp. When a rate range is specified, use higher rates of Allegiance 50WP when the disease pressure is expected to be high. For control of other soil-borne diseases, such as *Rhizoctonia* spp., Allegiance 50WP should be applied in combination with other registered seed treatment fungicides to offer broad spectrum protection to seed and seedlings.

**Note:** Allegiance 50WP is a systemic fungicide having a specific mode of action. Allegiance 50WP could be subject to development of resistant strains of fungi. Development of resistance cannot be predicted. Therefore, Gustafson LLC cannot assume liability for crop damage resulting from resistant strains of fungi. Consult your State Agricultural Experiment Station or Extension Service Specialist for guidance and ways to control any possible Allegiance 50WP resistant strains of fungi which may occur.

ALLEGIANCE 50WP may be applied as a water-based slurry with other registered seed treatment insecticides and fungicides through standard slurry- or mist-type commercial seed treatment equipment.

### Mixing Instructions

Prepare no more mixture than is necessary for the immediate operation. Agitate thoroughly before and during application. Mechanical agitation is required for proper mixing of Allegiance 50WP. Add all of the required water to the mix tank. With the agitator running, add required amount of Allegiance 50WP. Add any additional products after Allegiance 50WP has dissolved. If using Allegiance 50WP in a tank mixture with other seed treatment chemicals, observe all directions for use, crops/sites, use rates, dilution ratios, precautions, and limitations which appear on the tank mix product label. No label dosage rate should be exceeded, and the most restrictive label precautions and limitations should be followed. This product should not be mixed with any product which prohibits such mixing.

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

#### Seed Treatment - Domestic Use:

<b>Carrots*</b>	For <i>Pythium</i> damping-off control: Apply ALLEGIANCE 50WP as a seed treatment at 0.25-0.5 oz. per 100 lbs. of seed. *Not registered for use in California.
<b>Cotton</b>	For <i>Pythium</i> seed rot and damping-off: Apply ALLEGIANCE 50WP as a seed treatment to machine-delinted or acid-delinted cottonseed at the rate of 0.5-1.00 oz. per 100 lbs. of seed.
<b>Cucumber*</b>	For <i>Pythium</i> damping-off control: Apply ALLEGIANCE 50WP as a seed treatment at 0.5 oz. per 100 lbs. of seed. *Not registered for use in California.
<b>Forage Grasses</b>	Grasses grown for hay, grazing or silage, corn (fodder or silage), and small grain grown for hay, grazing or silage. For <i>Pythium</i> damping-off control: Apply ALLEGIANCE 50WP as a seed treatment at the rate of 0.25-0.5 oz. per 100 lbs. of seed.
<b>Forage Legumes</b>	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 <i>Pythium</i> damping-off and early season <i>Phytophthora</i> control: Apply ALLEGIANCE 50WP as a seed treatment at the rate of 0.5-1.0 oz. per 100 lbs. of seed.
<b>Garden/ Table Beets</b>	For control of <i>Pythium</i> damping-off: Apply ALLEGIANCE 50WP as a seed treatment at the rate of 0.5 oz. per 100 lbs. of seed.
<b>Grain Crops</b>	Wheat, barley, rye, oats, millet, milo, corn (field corn, sweet corn and popcorn), buckwheat and triticale. For <i>Pythium</i> damping-off control: Apply ALLEGIANCE 50WP as a seed treatment at the rate of 0.25-0.5 oz. per 100 lbs. of seed. For systemic downy mildew control of sweet corn: Apply ALLEGIANCE 50WP as a seed treatment at the rate of 1.0 oz. per 100 lbs. of seed.
<b>Rice*</b>	For <i>Pythium</i> damping-off control: Apply ALLEGIANCE 50WP as a seed treatment at the rate of 0.25-1.0 oz. per 100 lbs. of seed. Note: If using ALLEGIANCE 50WP treated rice seed, do not use Ridomil® for control of <i>Pythium</i> in water seeded rice. *Not registered for use in California.
<b>Peanuts*</b>	For <i>Pythium</i> seed rot and damping-off control: Apply ALLEGIANCE 50WP as a seed treatment at 0.25-0.5 oz. per 100 lbs. of seed. *Not registered for use in California.
<b>Seed and Pod Vegetables</b>	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 <i>Pythium</i> damping-off control: Apply ALLEGIANCE 50WP as a seed treatment at the rate of 0.25-0.5 oz. per 100 lbs. of seed. For early season <i>Phytophthora</i> control: Apply ALLEGIANCE 50WP as a seed treatment at 0.5 oz. per 100 lbs. of seed. For control of <i>Pythium</i> damping-off and systemic downy mildew of peas: Apply ALLEGIANCE 50WP as a seed treatment at the rate of 1.0 oz. per 100 lbs. of seed.

<b>Sorghum</b>	For control of <i>Pythium</i> damping-off use 0.25 - 0.5 oz. of ALLEGIANCE 50WP per 100 lbs. of seed applied as a seed treatment. For systemic downy mildew control: Apply 0.5 oz. of ALLEGIANCE 50WP 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 grown in areas with a recent history of severe disease, apply 1.0 oz. of ALLEGIANCE 50WP per 100 lbs. of seed as a seed treatment. Only high quality sorghum seed (90% germ and above) should be treated with ALLEGIANCE 50WP.
<b>Soybeans</b>	For <i>Pythium</i> damping-off and early season <i>Phytophthora</i> control: Apply ALLEGIANCE 50WP as a seed treatment at the rate of 0.5-1.0 oz. per 100 lbs. of seed.
<b>Spinach*</b>	For <i>Pythium</i> damping-off control: Apply ALLEGIANCE 50WP as a seed treatment at the rate of 0.5 oz. per 100 lbs. of seed. Do not apply ALLEGIANCE 50WP to spinach which is destined to be grown in the greenhouse. Containers or bags containing ALLEGIANCE 50WP-treated spinach seed must be labeled with this restriction. *Not registered for use in California.
<b>Sugar Beets</b>	For control of <i>Pythium</i> damping-off: Apply ALLEGIANCE 50WP as a seed treatment at the rate of 0.5 oz. per 100 lbs. of seed.
<b>Sunflower</b>	For control of systemic downy mildew: Apply ALLEGIANCE 50WP as a seed treatment at the rate of 1.0 - 2.0 oz. per 100 lbs. of seed.
<b>Turf Grasses</b>	For <i>Pythium</i> damping-off control on golf courses, home lawns, reclamation, and erosion control projects: Apply ALLEGIANCE 50WP as a seed treatment at the rate of 1.0 oz. per 100 lbs. of seed.

## SEED TREATMENT-EXPORT USE:

For treatment of the following seed for export only to countries requiring treatment with metalaxyl before importation. User should verify actual registered rate in country of destination and/or use.

<b>Brassica (Cole) Leafy Vegetables</b>	For <i>Pythium</i> damping-off control: Apply ALLEGIANCE 50WP as a seed treatment at the rate of 0.5-1.0 oz. per 100 lbs. of seed.
<b>Corn</b>	For <i>Pythium</i> damping-off control: Apply ALLEGIANCE 50WP as a seed treatment at 0.5-1.0 oz. per 100 lbs. of seed. For systemic downy mildew control: Apply ALLEGIANCE 50WP as a seed treatment at 2.0 oz. per 100 lbs. of seed.
<b>Cucurbit Vegetables</b>	For <i>Pythium</i> damping-off control: Apply ALLEGIANCE 50WP as a seed treatment at 0.5 oz. per 100 lbs. of seed.
<b>Fruiting Vegetables</b>	For <i>Pythium</i> damping-off control: Apply ALLEGIANCE 50WP as a seed treatment at 0.5 - 1.0 oz. per 100 lbs. of seed.
<b>Leafy Vegetables</b>	For <i>Pythium</i> damping-off control: Apply ALLEGIANCE 50WP as a seed treatment at 0.5 - 1.0 oz. per 100 lbs. of seed.
<b>Millet</b>	For <i>Pythium</i> damping-off control: Apply ALLEGIANCE 50WP as a seed treatment at 0.5-1.0 oz. per 100 lbs. of seed. For systemic downy mildew control: Apply ALLEGIANCE 50WP as a seed treatment at 1.65 oz. per 100 lbs. of seed.
<b>Onions</b>	For <i>Pythium</i> damping-off control: Apply ALLEGIANCE 50WP as a seed treatment at 0.5 - 1.0 oz. per 100 lbs. of seed.

<b>Peas</b>	For <i>Pythium</i> damping-off and early season <i>Phytophthora</i> control: Apply ALLEGIANCE 50WP as a seed treatment at 2.32 oz. per 100 lbs. of seed.
<b>Root and Tuber Vegetables</b>	For <i>Pythium</i> damping-off control: Apply ALLEGIANCE 50WP as a seed treatment at 0.5-1.0 oz. per 100 lbs. of seed.  Note: Do not apply ALLEGIANCE 50WP to potatoes.
<b>Sorghum</b>	For <i>Pythium</i> damping-off control: Apply ALLEGIANCE 50WP as a seed treatment at 0.5-1.0 oz. per 100 lbs. of seed. For systemic downy mildew control: Apply ALLEGIANCE 50WP as a seed treatment at 3.46 oz. per 100 lbs. of seed.
<b>Sunflower</b>	For systemic downy mildew control: Apply ALLEGIANCE 50WP as a seed treatment at 5.7-6.86 oz. per 100 lbs. of seed.

Seed treated in accordance with the export use pattern must be labeled as follows: FOR EXPORT ONLY - NOT FOR DOMESTIC SALE OR USE.

Note: Seed treated commercially or for sale must be dyed an unnatural color using an EPA approved dye before being sold. Federal law requires that bags containing treated seeds shall be labeled with the following information: "This seed has been treated with metalaxyl fungicide. Do not use for feed, food, or oil purposes. Store away from feeds and foodstuffs."

## Directions for use at reduced rates in combination with other fungicides:

ALLEGIANCE 50WP is a systemic fungicide seed dressing which may be applied in combination with other EPA-registered fungicides to aid in control of *Pythium*. ALLEGIANCE 50WP may be applied as a water-based slurry through standard slurry or mist-type commercial seed treatment equipment.

<b>Corn (field) Wheat, Oats, Barley, Rye</b>	To aid in the control of seed decay and damping-off caused by <i>Pythium</i> : Apply ALLEGIANCE 50WP as a commercial seed treatment at the rate of 0.067-0.25 oz. per 100 lbs. of seed. Apply only in combination with EPA registered rates of Gustafson broad spectrum seed treatment fungicides.
<b>Soybeans Field beans, Kidney beans, Navy beans, Pinto beans, Lentils Peas Sunflowers</b>	To aid in the control of seed decay and damping-off caused by <i>Pythium</i> : Apply ALLEGIANCE 50WP as a commercial seed treatment at the rate of 0.067-0.25 oz. per 100 lbs. of seed. Apply only in combination with EPA registered rates of Gustafson broad spectrum seed treatment fungicides.
<b>Rice*</b>	To aid in the control of seed decay and damping-off caused by <i>Pythium</i> : Apply ALLEGIANCE 50WP as a commercial seed treatment at the rate of 0.067-0.25 oz. per 100 lbs. of seed. Apply only in combination with EPA registered rates of VITAVAX®-290 Flowable, or Gustafson 42-S Thiram, or RTU®-VITAVAX®-Thiram fungicides. Recommended use rates in combination with ALLEGIANCE 50WP are: VITAVAX®-200 FF: 2.0 - 2.68 oz. per 100 lbs. of seed. Gustafson 42-S Thiram: 1.34, 2.2 oz. per 100 lbs. of seed. RTU®-VITAVAX®-Thiram: 3.35 - 4.5 oz. per 100 lbs. of seed. *Not registered for use in California.

# **STORAGE AND DISPOSAL**

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

## **Storage**

Store in a cool, dry place in an area designated for pesticides, and away from food or feed. Keep pesticide in original container.

## **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 liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then dispose of liner in a sanitary landfill or by incineration if allowed by State and local authorities. If drum is contaminated and cannot be reused, dispose of in the same manner.

# **NOTICE-READ CAREFULLY CONDITIONS OF SALE AND LIMITED WARRANTY STATEMENT**

Treatment of highly mechanically damaged seed, or seed of 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.

A quality product manufactured by:

**Gustafson LLC**

1400 Preston Road, Suite 400

Plano, Texas 75093

Questions? (972)985-8877

ALLEGIANCE is a TM of Gustafson LLC

RIDOMIL® is a trademark of NOVARTIS Crop Protection Inc. for Mefenoxam

RTU® trademark of Gustafson LLC

Vitavax® trademark of Uniroyal Chemical Company, Inc.

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