

7501-154

10-11-2000

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## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

OCT 11 2000

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

Subject: Gustafson Allegiance -LS  
EPA Reg. No. 7501-154  
submission June 12, 2000

Dear Mr. McFadden,

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, is accepted provided that you:

1. Submit or cite all data required for registration or 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.
2. Note the limitations for use on canola. While the canola use is acceptable, the Agency has decided, based on the residue data submitted, that dosage rates of 0.4 to 0.8 fl. oz. of Allegiance-LS (0.005 to 0.01 lb. of metalaxyl a.i.) per 100 lb. (CWT) of canola seed are considered to be a nonfood use requiring no food or feed tolerances. Since there are no data for higher dosage rates, the nonfood determination is limited to a maximum of 0.8 fl. oz. per CWT.

CONCURRENCES							
SYMBOL	7501-154						
SURNAME	Ellwanger						
DATE	10/11/00						

The revised first aid statements and export sunflower use rate were accepted per our September 1, 2000 letter. A copy of the stamped accepted label is provided for your records. You must submit a final printed label before you release this product for shipment. If there are questions concerning this matter, contact Dr. Tom Ellwanger at (703) 308-9352.

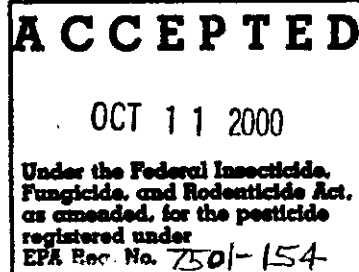
Sincerely,

*Mary L. Waller*

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

Enclosure

**Gustafson**  
**ALLEGIANCE™-LS**  
**Fungicide**



**A SEED TREATMENT CHEMICAL FOR CONTROL OF SEED  
 ROT AND DAMPING-OFF DISEASES OF CERTAIN CROPS**

**ACTIVE INGREDIENT:**

Metalaxyl: N-(2,6-dimethylphenyl)-

N-(methoxyacetyl)alanine methyl ester ..... 17.7%

**INERT INGREDIENTS:** ..... 82.3%**TOTAL** ..... 100.0%

Contains 1.63 pounds Metalaxyl per gallon.

EPA Reg. No. 7501-154

EPA Est. \_\_\_\_\_

Net contents: \_\_\_\_\_ Gallons

**KEEP OUT OF REACH OF CHILDREN**  
**WARNING AVISO**  
**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 substantial, but temporary eye injury. Harmful if swallowed or absorbed through skin. Do not get in eyes or on clothing. Avoid contact with skin. Wash thoroughly with soap and water after handling.

**PERSONAL PROTECTIVE EQUIPMENT (PPE):**

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category C on an EPA chemical resistance category selection chart.

Applicators and other handlers must wear long-sleeved shirt and long pants, chemical-resistant gloves (such as butyl rubber, natural rubber or unsupported neoprene), shoes plus socks and protective eyewear. 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. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

**Engineering Controls:**

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40CFR 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. 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 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 eye.
- Call a poison control center or doctor for treatment advice.

**If on skin or clothing:**

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15 to 20 minutes.
- Call a poison control center or doctor for treatment advice.

**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.

**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. Do not contaminate water when disposing of equipment washwater or rinsate. Cover or incorporate spilled treated seeds.

**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.

**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

**Gustafson**

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 Limited Warranty Statement before using this product.

### STORAGE AND DISPOSAL

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

**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**—Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities by burning. If burned, stay out of smoke.

### 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, shoes and socks, chemical resistant gloves, such as butyl rubber, natural rubber or unsupported neoprene and protective eyewear.

ALLEGIANCE-LS 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. ALLEGIANCE-LS may be applied at planting time by thoroughly mixing with seed in the planter box or by application through on-farm seed treatment equipment. Fill the planter box half full with seed and then add half the volume of ALLEGIANCE-LS recommended on the label. Stir the treated seed with a paddle to uniformly cover each seed. Add the remainder of the seed to the box and then add the second half of the ALLEGIANCE-LS. Stir the seed again with a paddle until all seed is uniformly covered.

ALLEGIANCE-LS is a systemic fungicide seed dressing specifically for control of systemic downy mildew, *Pythium* and *Phytophthora* spp. For control of seedborne and other soilborne diseases, the combination of Gustafson Captan, Thiram and VITAVAX® registered formulations are compatible. Do not use with other seed treatment products unless previous experience assures compatibility.

**NOTE:** Seed treated commercially or for sale must be dyed an unnatural color 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 foodstuff."

**Note:** ALLEGIANCE-LS is a systemic fungicide having a specific mode of action. ALLEGIANCE-LS 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-LS resistant strains of fungi which may occur.

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

Canola*	For <i>Pythium</i> damping-off control: Apply ALLEGIANCE-LS as a seed treatment at the rate of 0.4 - 0.8 fl. oz. per 100 lbs. of seed. *Not registered in California
Cotton	For <i>Pythium</i> seed rot and damping-off: Apply ALLEGIANCE-LS as a seed treatment at the rate of 1.2-2.4 fl. oz. per 100 lbs. of seed.
Soybeans	For <i>Pythium</i> damping-off and early season <i>Phytophthora</i> control: Apply ALLEGIANCE-LS as a seed treatment at the rate of 1.2-2.4 fl. oz. per 100 lbs. of seed.
Sorghum	For control of <i>Pythium</i> and systemic downy mildew: Apply ALLEGIANCE-LS as a seed treatment at the rate of 0.66-1.2 fl. oz. per 100 lbs. of seed to hybrids with resistance to at least two pathotypes of downy mildew. The 2.4 fl. oz. rate is only recommended for areas with a recent severe history of a pathotype of downy mildew that is pathogenic to the hybrid being treated. Only high quality sorghum seed (90% germ and above) should be treated with ALLEGIANCE-LS.
Sunflowers	For control of systemic downy mildew: Apply ALLEGIANCE-LS as a seed treatment at the rate of 2.4-4.9 fl. oz. per 100 lbs. of seed.
Sunflowers Export Only	FOR TREATMENT OF SUNFLOWERS DESTINED FOR EXPORT ONLY TO COUNTRIES REQUIRING TREATMENT WITH METALAXYL PRIOR TO IMPORTATION: Apply ALLEGIANCE-LS at the rate of 15.0 fl. oz. per 100 lbs. of seed. Seed treated in accordance with this use pattern must be labeled as follows: FOR EXPORT ONLY - Not for domestic sale or use.
Garden Beets (including sugar beets)	For control of <i>Pythium</i> damping-off: Apply ALLEGIANCE-LS as a seed treatment at the rate of 1.2 fl. oz. per 100 lbs. of seed.
Forage Legumes	Alfalfa, clover, lespedeza, beans (for forage), soybeans (for forage), soybean hay, peanuts (for forage), peanut 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-LS as a seed treatment at the rate of 1.2-2.4 fl. oz. per 100 lbs. of seed.

Grain Crops	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-LS as a seed treatment at the rate of 1.2 fl. oz. per 100 lbs. of seed.
Rice*	For <i>Pythium</i> damping-off control: Apply ALLEGIANCE-LS as a seed treatment at the rate of 1.2 - 2.4 fl. oz. per 100 lbs. of seed. *Not registered in California.
Corn (Export Only)	FOR TREATMENT OF CORN DESTINED FOR EXPORT ONLY TO COUNTRIES REQUIRING TREATMENT WITH METALAXYL PRIOR TO IMPORTATION: Apply ALLEGIANCE-LS at the rate of 1.2-2.4 fl. oz. per 100 lbs. of seed. Seed treated in accordance with this use pattern must be labeled as follows: FOR EXPORT ONLY - Not for domestic sale or use.
Seed and Pod Vegetables	Black-eyed peas, chickpeas (Garbanzos), cowpeas, dill, edible soybeans, field beans, field peas, garden peas, green beans, kidney beans, lima beans, lupines, navy beans, okra, peas, pole beans, snap beans, string beans, wax beans, and lentils. For <i>Pythium</i> damping-off and early season <i>Phytophthora</i> control: Apply ALLEGIANCE-LS as a seed treatment at the rate of 1.2 fl. oz. per 100 lbs. of seed. For control of <i>Pythium</i> damping-off and systemic downy mildew of peas: Apply ALLEGIANCE-LS as a seed treatment at the rate of 2.4 fl. oz. per 100 lbs. of seed.
Cucumbers*	For control of <i>Pythium</i> damping-off: Apply ALLEGIANCE-LS as a seed treatment at the rate of 1.2 fl. oz. per 100 lbs. of seed. *Not registered in California.
Turf Grasses	For <i>Pythium</i> damping-off control on golf courses, home lawns, reclamation and erosion control projects: Apply ALLEGIANCE-LS as a seed treatment at the rate of 2.4 fl. oz. per 100 lbs. of seed.
Forage Grasses	Grasses grown for hay, grazing or silage, corn (fodder or silage), sorghum (hay or silage), and small grain grown for hay, grazing or silage. For <i>Pythium</i> damping-off control: Apply ALLEGIANCE-LS as a seed treatment at the rate of 1.2 fl. oz. per 100 lbs. of seed.

#### DIRECTIONS FOR USE AT REDUCED RATES IN COMBINATION WITH OTHER FUNGICIDES

Corn (field) Wheat, Oats, Barley, Rye	To aid in the control of seed decay and damping-off caused by <i>Pythium</i> : Apply ALLEGIANCE-LS as a commercial seed treatment at the rate 0.175-0.66 fl. oz. per 100 lbs. seed. Apply only in combination with EPA registered rates of Gustafson broad-spectrum seed treatment fungicides.
Soybeans, Field beans, Kidney beans, Navy beans, Pinto beans, Lentils Peas	To aid in the control of seed decay and damping-off caused by <i>Pythium</i> : Apply ALLEGIANCE-LS as a commercial seed treatment at the rate 0.175-0.66 fl. oz. per 100 lbs. of seed. Apply in combination with EPA registered rates of broad-spectrum seed treatment fungicides.
Peanuts*	To aid in the control of seed decay and damping-off caused by <i>Pythium</i> : Apply ALLEGIANCE-LS as a commercial seed treatment at the rate of 0.175 - 0.66 fl. oz. per 100 lbs. of seed. Apply in combination with EPA registered rates of broad-spectrum seed treatment fungicides. *Not registered for use in California.

Rice*	To aid in control of seed decay and damping-off caused by <i>Pythium</i> : Apply ALLEGIANCE-LS as commercial seed treatment at the rate of 0.175 to 0.66 fl. oz. per 100 lbs. of seed. Apply only in combination with EPA registered rates of VITAVAX-200 Flowable or Gustafson 42-S Thiram or RTU-VITAVAX-Thiram Fungicides. Recommended use rates in combination with ALLEGIANCE-LS are: VITAVAX-200 FF: 3.0 to 4.0 fl. oz. per 100 lbs. of seed. Gustafson 42-S Thiram: 2.0 to 3.3 fl. oz. per 100 lbs. of seed. RTU-VITAVAX-Thiram: 5.0 to 6.8 fl. oz. per 100 lbs. of seed. Ascend 30: 1.0 fl. oz. per 100 lbs. of seed *Not registered for use in California.
Sunflower	To aid in the control of seed decay and damping-off caused by <i>Pythium</i> : Apply ALLEGIANCE-LS as a commercial seed treatment at the rate 0.175 - 0.66 fl. oz. per 100 lbs. of seed. Apply in combination with EPA registered rates of broad-spectrum seed treatment fungicides.

#### 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 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, TX 75093  
Questions? (972) 985-8877

VITAVAX is a Reg. TM of Uniroyal Chemical Company, Inc.  
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