

264-935

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

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OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

Dennis McFadden  
Reg. Mgr. – Seed Treatment Products  
Bayer CropScience  
2 T.W. Alexander Drive  
Research Triangle Park, NC 27709

SEP 17 2007

Subject: Gustafson Allegiance®-FL Seed Treatment Fungicide  
EPA Reg. No. 264-935  
Amendment dated September 1, 2006  
EPA Decision Number 377242

Dear Mr. McFadden:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act as amended is acceptable provided the following changes are made:

1. In the list of ingredients change "Contains 2.65 lbs. ...." to "Contains 2.57 lbs. ...." to agree with the CSF and MSDS.
2. Move the Spanish warning to above the First Aid box and immediately below the signal word.
3. Delete the word "AVISO" that follows the header "PRECAUTIONARY STATEMENTS"
4. In the "STORAGE AND DISPOSAL" box, change "STORAGE" to "PESTICIDE STORAGE"
5. In the paragraph following the AGRICULTURAL USE REQUIREMENTS box, change "This seed has been treated with ALLEGIANCE-FL fungicide." to "This seed has been treated with Gustafson ALLEGIANCE-FL seed treatment fungicide which contains the active ingredient metalaxyl."
6. Throughout the label change "ALLEGIANCE-FL fungicide" to "Gustafson ALLEGIANCE-FL seed treatment fungicide".
7. In the entry for rice in the table on page 3 after the sentence "If using ALLEGIANCE-FL ... in water seeded rice." add the sentence "Containers or bags containing Gustafson ALLEGIANCE-FL treated rice must be labeled with this restriction."

8. In the section "IMPORTANT: READ BEFORE USE / CONDITIONS" change "...adequate and should be followed carefully." to "...adequate and must be followed carefully."
9. In the section "IMPORTANT: READ BEFORE USE / CONDITIONS" change "All such risks shall be assumed by the user or buyer." to "To the extent consistent with applicable law, all such risks shall be assumed by the user or buyer."

One copy of the label stamped "Accepted with comments" is enclosed for your records. This label supersedes all labels previously accepted for this product. Please submit one copy of the final printed label that incorporates the required changes before the product is released for shipment.

If you have any questions, please contact Robert Westin by phone at (703) 305-5721 or via email at [westin.robert@epa.gov](mailto:westin.robert@epa.gov).

Sincerely,



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

Enclosure

Gustafson

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# ALLEGIANCE<sup>®</sup>-FL Seed Treatment Fungicide

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

**ACTIVE INGREDIENTS:**

Metalaxyl: N-(2,6-dimethylphenyl)-N-(methoxyacetyl)alanine methyl ester ..... 28.35%

**INERT INGREDIENTS:** ..... 71.65%

**TOTAL 100.00%**

Contains 2.65 lbs. Metalaxyl per gallon.

EPA Reg. No. 264-935

EPA Est.

## KEEP OUT OF REACH OF CHILDREN WARNING AVISO

For MEDICAL And TRANSPORTATION Emergencies ONLY Call 24 Hours A Day 1-800-334-7577  
For PRODUCT USE Information Call 1-866-99BAYER (1-866-992-2937)

### FIRST AID

<b>IF ON SKIN OR CLOTHING:</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>IF SWALLOWED:</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>IF IN EYES:</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>

In case of emergency call toll free the Bayer CropScience Emergency Response Telephone No. 1-800-334-7577. Have a product container or label with you when calling a poison control center or doctor, or going for treatment.

### PRECAUTIONARY STATEMENTS

#### WARNING AVISO

#### 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 skin irritation. Harmful if swallowed or absorbed through skin. Causes moderate eye irritation. Do not get on skin or on clothing. Avoid contact with eyes. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

#### 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 E on an EPA chemical resistance category selection chart.

**Applicators and other handlers must wear:** Coveralls over short-sleeved shirt and short pants, socks and chemical-resistant footwear and chemical-resistant gloves (such as nitrile, butyl, neoprene, and/or barrier laminate). 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.

## 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 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 solids 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 may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

## STORAGE AND DISPOSAL

### PROHIBITIONS

Do not contaminate water, food or feed by storage and disposal or by 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. Do not store above 90°F for prolonged periods of time. After prolonged storage in intense cold, allow product to return to approximately 75°F before using.

### 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, socks and chemical resistant footwear, chemical resistant gloves, such as barrier laminate or nitrile rubber or neoprene rubber or Viton and protective eyewear.

**In California – Only for use in commercial seed treating establishments. Not allowed for “on-farm” 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 ALLEGIANCE-FL fungicide. Do not use for feed, food or oil purposes. Store away from feeds and foodstuffs.”

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

ALLEGIANCE-FL 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.

NOTE: ALLEGIANCE-FL is a systemic fungicide having a specific mode of action. ALLEGIANCE-FL could be subject to development of resistant strains of fungi. Development of resistance cannot be predicted. Therefore, Bayer CropScience 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-FL resistant strains of fungi which may occur. FAILURE TO FOLLOW DIRECTIONS ON THIS LABEL MAY RESULT IN CROP INJURY OR POOR DISEASE CONTROL.

Canola* Mustard seed* Rapeseed*	For <i>Pythium</i> damping-off control: Apply ALLEGIANCE-FL as a seed treatment at 0.25-0.5 fl.oz. per 100 lbs. of seed. *Not registered for use in California
Cotton	For <i>Pythium</i> seed rot and damping-off: Apply ALLEGIANCE-FL as a seed treatment at the rate of 0.75-1.5 fl.oz. per 100 lbs. of seed.
Soybeans	For <i>Pythium</i> damping-off and early season <i>Phytophthora</i> control: apply ALLEGIANCE-FL as a seed treatment at the rate of 0.75-1.5 fl.oz. per 100 lbs. of seed.
Peanuts*	For <i>Pythium</i> seed rot and damping-off control: Apply ALLEGIANCE-FL as a seed treatment at 0.75 fl. oz. per 100 lbs. of seed. * Not registered for use in California.
Sorghum	For control of <i>Pythium</i> damping-off apply 0.375-0.75 fl.oz. of ALLEGIANCE-FL per 100 lbs. of seed applied as a seed treatment. For control of systemic downy mildew (races susceptible to chemical control), apply 0.75-1.5 fl.oz. ALLEGIANCE-FL 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 1.5-3.0 fl.oz. of ALLEGIANCE-FL per 100 lbs. of seed as a seed treatment. Only high quality sorghum seed (90% germination and above) should be treated with ALLEGIANCE-FL.
Sunflowers	For control of systemic downy mildew: Apply ALLEGIANCE-FL as a seed treatment at the rate of 1.5-3.0 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-FL as a seed treatment at the rate of 0.75-1.5 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-FL as a seed treatment at the rate of 0.75 fl. oz. per 100 lbs. of seed. For systemic downy mildew control of sweet corn: Apply ALLEGIANCE-FL as a seed treatment at the rate of 1.5 fl. oz. per 100 lbs. of seed.
Rice*	For <i>Pythium</i> damping-off control: Apply ALLEGIANCE-FL as a seed treatment at the rate of 0.75-1.5 fl.oz. per 100 lbs. of seed. If using ALLEGIANCE-FL treated rice do not use Ridomil for control of <i>Pythium</i> in water-seeded rice. *Not registered for use in California.
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 control: Apply ALLEGIANCE-FL as a seed treatment at the rate of 0.75 fl. oz. per 100 lbs. of seed. For early season <i>Phytophthora</i> control: Apply ALLEGIANCE-FL as a seed treatment at the rate of 0.75 fl.oz. per 100 lbs. of seed. For control of <i>Pythium</i> damping-off and systemic downy mildew of peas: Apply ALLEGIANCE-FL as a seed treatment at the rate of 1.5 fl.oz. per 100 lbs. of seed.
Turf Grasses	For <i>Pythium</i> damping-off control on golf courses, home lawns reclamation and erosion control projects: Apply ALLEGIANCE-FL as a seed treated at the rate of 1.5 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-FL as a seed treatment at the rate of 0.75 fl. oz. per 100 lbs. of seed.
Brassica (Cole) Leafy Vegetables	Broccoli (including Chinese and raab), Brussels sprouts, cabbage (including Chinese bok choy, Chinese napa and mustard), cauliflower, cavalo broccoli, collards, kale, kohlrabi, mizuna, mustard greens, mustard spinach, and rape greens For <i>Pythium</i> damping-off control: Apply ALLEGIANCE-FL as a seed treatment at the rate of 0.75 fl. oz. per 100 lbs. of seed. *Not registered for use in California.
Cucurbit Vegetables	Chayote (fruit), Chinese waxgourd, citron melon, cucumber, gherkin, edible gourd (includes hyotan, cucuzza, Chinese okra, and hechima), Momordica spp. (includes balsam apple, balsam pear, bitter melon, Chinese cucumber), muskmelon (includes true cantaloupe, cantaloupe, casaba, Crenshaw melon, golden pershaw melon, honeydew melon, honey balls, mango melon, Persian melon, pineapple melon, Santa Claus melon, and snake melon), pumpkin, summer squash (includes crookneck squash, scallop squash, straightneck squash, vegetable marrow, zucchini), winter squash (includes butternut squash, calabaza, hubbard squash), Cucumis mixta, Cucumis pepo (includes acorn squash, spaghetti squash), watermelon (includes hybrids and/or varieties of Citrullus lanatus.) For <i>Pythium</i> damping-off control: Apply ALLEGIANCE-FL as a seed treatment at 0.75 fl. oz. per 100 lbs. of seed. *Not registered for use in California.

Leafy Vegetables	Amaranth (leafy, Chinese spinach, tampala), cardoon, celery (including Chinese), celtuce, chervil, chrysanthemum (edible-leaved and garland), corn salad, cress (garden and upland), dandelion, dock, endive/fennel (finocchio), lettuce (head and leaf), orach, parsley, purslane (garden and winter), radicchio, rhubarb, spinach* (including New Zealand and vine), and Swiss chard. *Not registered for use in California. NOTE: Do not apply Allegiance-FL to spinach which is destined to be grown in the greenhouse. Containers or bags containing ALLEGIANCE-FL –treated spinach seed must be labeled with this restriction. For <i>Pythium</i> damping-off control: Apply ALLEGIANCE-FL as a seed treatment at 0.75 fl. oz. per 100 lbs. of seed.
Fruiting Vegetables	Eggplant, ground cherry, pepino, pepper (including bell pepper, chili pepper, cooking pepper, pimento, sweet pepper), tomatillo, and tomato For <i>Pythium</i> damping-off control: Apply ALLEGIANCE-FL as a seed treatment at 0.75 fl. oz. per 100 lbs. of seed. *Not registered for use in California.
Onions	Onion (dry bulb and green) For <i>Pythium</i> damping-off control: Apply ALLEGIANCE-FL as a seed treatment at 0.75 fl. oz. per 100 lbs. of seed. *Not registered for use in California.
Root and Tuber Vegetables (except potatoes)	Arracacha, arrowroot, artichoke (Chinese and Jerusalem), beet (garden and sugar), burdock (edible), canna (edible), carrot, cassava (bitter and sweet), celery root, chayote, chervil, chicory, chufa, dasheen, ginger, ginseng, horseradish, leren, parsley (turnip-rooted), parsnip, radish (includes oriental dalkon), rutabaga, salsify (includes black and Spanish), skirret, sweet potato, tanier, turmeric, turnip, yam bean (jicama, manioc pea), yam For <i>Pythium</i> damping-off control: Apply ALLEGIANCE-FL as a seed treatment at 0.75 fl.oz/100 lbs. of seed. NOTE: Do not apply ALLEGIANCE-FL to potatoes. *Not registered for use in California.

### SEED TREATMENT-EXPORT USE

For treatment of the following seed for export only to countries requiring treatment with metalaxyl before importation.

Brassica (Cole) Leafy Vegetables	For <i>Pythium</i> damping-off control: Apply ALLEGIANCE-FL as a seed treatment at the rate of 0.75-1.50 fl.oz. per 100 lbs. of seed.
Canola	For <i>Pythium</i> damping-off control: Apply ALLEGIANCE-FL as a seed treatment at the rate of 0.50-1.70 fl.oz. per 100 lbs. of seed. (32 – 110 ml per 100 kg of seed)
Corn	For <i>Pythium</i> damping –off control: Apply ALLEGIANCE-FL as a seed treatment at 0.75-1.50 fl.oz. per 100 lbs. of seed. For systemic downy mildew control: Apply ALLEGIANCE-FL as a seed treatment at 3.0 fl. oz. per 100 lbs. of seed.
Cucurbit Vegetables	For <i>Pythium</i> damping-off control: Apply ALLEGIANCE-FL as a seed treatment at 0.75 fl. oz. per 100 lbs. of seed.
Fruiting Vegetables	For <i>Pythium</i> damping-off control: Apply ALLEGIANCE-FL as a seed treatment at 0.75-1.50 fl.oz. per 100 lbs. of seed.
Leafy Vegetables	For <i>Pythium</i> damping-off control: Apply ALLEGIANCE-FL as a seed treatment at 0.75-1.50 fl.oz. per 100 lbs. of seed.
Onions	For <i>Pythium</i> damping-off control: Apply ALLEGIANCE-FL as a seed treatment at 0.75-1.50 fl.oz. per 100 lbs. of seed.
Millet	For <i>Pythium</i> damping-off control: Apply ALLEGIANCE-FL as a seed treatment at 0.75-1.50 fl.oz. per 100 lbs. of seed. For systemic downy mildew control: Apply ALLEGIANCE-FL as a seed treatment at 2.5 fl. oz. per 100 lbs. of seed.
Peas	For <i>Pythium</i> damping-off and early season Phytophthora control: Apply ALLEGINACE-FL as a seed treatment at 3.5 fl.oz. per 100 lbs. of seed.
Root and Tuber Vegetables	For <i>Pythium</i> damping-off control: Apply ALLEGIANCE-FL as a seed treatment at 0.75-1.50 fl.oz. per 100 lbs. of seed. Do not apply ALLEGIANCE-FL to potatoes.
Sorghum	For <i>Pythium</i> damping-off control: Apply ALLEGIANCE-FL as a seed treatment at 0.75-1.50 fl.oz. per 100 lbs. of seed. For systemic downy mildew control: Apply ALLEGIANCE-FL as a seed treatment at 5.25 fl. oz. per 100 lbs. of seed.
Sunflowers	For systemic downy mildew control: Apply ALLEGIANCE-FL as a seed treatment at 9.0 fl. oz. per 100 lbs. of seed.

Seed treated in accordance with the export use pattern must be labeled as follows:



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**IMPORTANT: READ BEFORE USE**

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following Conditions, disclaimer of Warranties and Limitations of Liability.

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 Bayer CropScience, no claims are made to guarantee germination of carry-over seed.

**CONDITIONS:** The directions for use of this product are believed to be adequate and should be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Bayer CropScience. All such risks shall be assumed by the user or buyer.

**DISCLAIMER OF WARRANTIES:** BAYER CROPSCIENCE MAKES NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of Bayer CropScience is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. BAYER CROPSCIENCE DISCLAIMS ANY LIABILITY WHATSOEVER FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

**LIMITATIONS OF LIABILITY:** TO THE EXTENT ALLOWED BY LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT BAYER CROPSCIENCE'S ELECTION, THE REPLACEMENT OF PRODUCT.

**NOTICE TO BUYER**

Purchase of this material does not confer any rights under patents governing this product or the use thereof in countries outside of the United States.

**NET CONTENTS:**

VITAVAX is a registered trademark of Uniroyal Chemical Company, Inc.  
RIDOMIL is a trademark of Syngenta Crop Protection Inc. for mefenoxam  
ALLEGIANCE is a registered trademark of Bayer

**PRODUCED FOR**



**Bayer CropScience**

**Bayer CropScience LP  
P.O. Box 12014, 2 T.W. Alexander Drive  
Research Triangle Park, North Carolina 27709  
1-866-99BAYER (1-866-992-2937)**

Gustafson ALLEGIANCE-FL Seed Treatment Fungicide (MASTER) Approved 03/03/06, Notification 08/30/06