



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

February 14, 2020

Ian Murphy
Federal Registrations Manager
Bayer Crop Science
2 T.W. Alexander Drive
P. O. Box 12014
RTP, NC 27709

Subject: Registration Review Label Mitigation for Metalaxyl
Product Name: Gustafson Allegiance- FL Seed Treatment Fungicide
EPA Registration Number: 264-935
Application Dates: 06/28/2018
Decision Numbers: 559471

Dear Mr. Murphy:

The Agency, in accordance with the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, has completed reviewing all the information submitted with your application to support the Registration Review of the above referenced product in connection with the Metalaxyl Interim Decision, and has concluded that your submission is acceptable. The label referred to above, submitted in connection with registration under FIFRA, as amended, is acceptable.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

A copy of your label stamped "Accepted" is enclosed. Products shipped after 12 months from the date of this amendment must bear the new revised label. Your release for shipment of the product bearing the amended label constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6.

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If you have any questions about this letter, please contact Srijana Shrestha by phone at 703-305-6471, or via email at Shrestha.srijana@epa.gov.

Sincerely,

A handwritten signature in blue ink, appearing to read "Linda Arrington".

Linda Arrington, Branch Chief
Risk Management and Implementation Branch 4
Pesticide Re-Evaluation Division
Office of Pesticide Programs

Enclosure

GUSTAFSON ALLEGIANCE-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%

OTHER INGREDIENTS: 71.65%

TOTAL: 100.00%

Contains 2.6 pounds Metalaxyl per gallon.

EPA Reg. No. 264-935

EPA Est.

KEEP OUT OF REACH OF CHILDREN

WARNING

AVISO

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.)

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)

Please refer to [back panel] [booklet] for additional precautionary statements and directions for use. [Note to reviewer: Location of additional precautionary statements and directions for use will vary between those listed, depending on container type/size.]

FIRST AID

IF ON SKIN OR CLOTHING:	<ul style="list-style-type: none"> • 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 SWALLOWED:	<ul style="list-style-type: none"> • 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 IN EYES:	<ul style="list-style-type: none"> • 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.

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.

ACCEPTED

Feb 14, 2020

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 264-935

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING

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 and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove contaminated clothing and wash before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are: (barrier laminate, butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, polyvinyl chloride (PVC) ≥ 14 mils, and viton ≥ 14 mils).

Applicators and other handlers must wear: Coveralls over short-sleeved shirt and short pants, socks and chemical-resistant footwear and chemical-resistant gloves (barrier laminate, butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, polyvinyl chloride (PVC) ≥ 14 mils, and viton ≥ 14 mils).

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

Users should: Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and change into clean clothing.
- 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 wash water 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.

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 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, barrier laminate or butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, polyvinyl chloride (PVC) ≥ 14 mils, and viton ≥ 14 mils or Viton and protective eyewear.

In California – Only for use in commercial seed treating establishments. Not allowed for “on-farm” use.

GUSTAFSON ALLEGIANCE-FL Seed Treatment Fungicide is a systemic fungicide seed dressing specifically for control of systemic downy mildews, *Pythium*, and *Phytophthora* spp.

SEED BAG LABELING REQUIREMENT

Federal Seed Act requires that containers containing treated seeds shall be labeled with the following information.

- This seed has been treated with GUSTAFSON ALLEGIANCE®-FL Seed Treatment Fungicide, a fungicide containing Metalaxyl.
- Do not use for feed, food or oil purposes.

The U.S. Environmental Protection Agency requires the following statements on containers containing seed treated with GUSTAFSON ALLEGIANCE®-FL Seed Treatment Fungicide:

- Store away from feeds and foodstuffs.
- Do not allow children, pets, or livestock to have access to treated seeds.
- Wear long pants, long-sleeved shirt and protective gloves when handling treated seed.
- Treated seeds exposed on the soil surface may be hazardous to wildlife. Cover or collect treated seeds spilled during loading and planting (such as in row ends).
- Dispose of all excess treated seed by burying seed away from bodies of water.
- Do not contaminate bodies of water when disposing of planting equipment wash water.
- Dispose of seed packaging or containers in accordance with local requirements.
- Excess treated seed may be used for ethanol production if (1) by-products are not used for livestock feed and (2) no measurable residues of pesticide remain in ethanol by-products that are used in agronomic practice.
- GUSTAFSON ALLEGIANCE-FL Seed Treatment Fungicide is a systemic fungicide seed dressing specifically for control of systemic downy mildews, *Pythium*, and *Phytophthora* spp. Do not use with other seed treatment products unless previous experience assures compatibility.

RESISTANCE MANAGEMENT RECOMMENDATION

For resistance management, GUSTAFSON ALLEGIANCE-FL Seed Treatment Fungicide contains a Group 4 fungicide. Any fungal population may contain individuals naturally resistant to GUSTAFSON ALLEGIANCE-FL Seed Treatment Fungicide and other Group 4 fungicides. A gradual or total loss of pest control may occur over time if these fungicides are used repeatedly in the same fields. Appropriate resistance-management strategies should be followed.

COMPATIBILITY TESTING AND TANK MIX PARTNERS

May be used in combination with other registered Bayer CropScience seed treatment fungicides and insecticides. Pre-test for compatibility with other seed treatment products.

Compatibility

It is essential that before using GUSTAFSON ALLEGIANCE-FL Seed Treatment Fungicide in any tank mixture the compatibility of the mixture be established. Add GUSTAFSON ALLEGIANCE-FL Seed Treatment Fungicide at the labeled rate to a clean quart jar containing approximately one-half the amount of water intended for a final slurry application rate. Next, follow with all other tank mix components that will be used in the total slurry application.

Add last the remaining balance of water. The total amount of volume is determined by the seed size and how much is necessary to ensure complete and uniform coverage and distribution on the seed, as well as the type of commercial seed treating application equipment that will be used.

DO NOT USE MIXTURES THAT CURDLE, PRECIPITATE, OR GEL. USE TANK MIXTURES IMMEDIATELY AFTER MIXING WITH ADEQUATE AGITATION.

Mixing Instructions

1. When applied with seed treatment application equipment designed to treat seed utilizing a treatment slurry mixture, add approximately 1/2 to 2/3 of the required water to the treatment slurry tank followed by the accompanying seed treatment products and GUSTAFSON ALLEGIANCE-FL Seed Treatment Fungicide.
2. The order of product addition is dependent on the accompanying seed treatment products and application equipment used.
3. Allow each slurry component to disperse completely prior to the next addition until a uniform suspension is obtained.
4. After all slurry components have been added and dispersed completely add the remaining 1/2 to 1/3 of required water for proper slurry volume and mix until uniform.
5. Do not store mixed slurries for greater than 72 hours.
6. Maintain adequate agitation until treatment slurry is applied.

For additional instructions for use, slurry component mixing order, and other application suggestions contact your Bayer CropScience representative.

Follow more restrictive labeling of any tank mix partner. Do not tank mix with any product, which contains a prohibition on tank mixing. GUSTAFSON ALLEGIANCE-FL Seed Treatment Fungicide 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.

It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture. Excess treated seed may be used for ethanol production only if (1) by-products are not used for livestock feed and (2) no measurable residues of pesticide remain in ethanol byproducts that are used in agronomic practice.

RESTRICTIONS

- Seed treated with this product must be visually identifiable from untreated seed by the use of an approved colorant or dye to prevent accidental use of treated seed as food for humans or feed for animals. Refer to 21 CFR, Part 2.25. Any colorant or dye added to treated seed must be cleared for use in accordance with 40 CFR, Part 153.155(c).
- Maximum usage when applying both metalaxyl- and mefenoxam-containing products to the same crop within the same season: Do not apply more than the maximum yearly total application rate for the active ingredient as stated on the label of the product containing the lowest yearly total on that crop. The maximum application rate for metalaxyl and mefenoxam-containing products (including seed treatments, foliar applications, soil application) is 12.3 lb per acre per calendar year. **DO NOT** apply more than 12.3 lb of active ingredient metalaxyl per acre per calendar year.

CROP USE DIRECTIONS

Canola* Mustard seed* Rapeseed*	For <i>Pythium</i> damping-off control: Apply GUSTAFSON ALLEGIANCE-FL Seed Treatment Fungicide as a seed treatment at 0.25 - 0.5 fl oz per 100 lbs of seed. *Use not permitted in California.
Peanuts*	For <i>Pythium</i> seed rot and damping-off control: Apply GUSTAFSON ALLEGIANCE-FL Seed Treatment Fungicide as a seed treatment at 0.75 fl oz per 100 lbs of seed. *Use not permitted in California.
Sorghum	For control of <i>Pythium</i> damping-off, apply 0.375 - 0.75 fl oz of GUSTAFSON ALLEGIANCE-FL Seed Treatment Fungicide 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 GUSTAFSON ALLEGIANCE-FL Seed Treatment Fungicide 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 GUSTAFSON ALLEGIANCE-FL Seed Treatment Fungicide per 100 lbs of seed as a seed treatment. Only high quality sorghum seed (90% germination and above) should be treated with GUSTAFSON ALLEGIANCE-FL Seed Treatment Fungicide.
Sunflowers	For control of systemic downy mildew: Apply GUSTAFSON ALLEGIANCE-FL Seed Treatment Fungicide 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 GUSTAFSON ALLEGIANCE-FL Seed Treatment Fungicide 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 GUSTAFSON ALLEGIANCE-FL Seed Treatment Fungicide 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 GUSTAFSON ALLEGIANCE-FL Seed Treatment Fungicide 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 GUSTAFSON ALLEGIANCE-FL Seed Treatment Fungicide as a seed treatment at the rate of 0.75 - 1.5 fl oz per 100 lbs of seed. Note: If using GUSTAFSON ALLEGIANCE-FL Seed Treatment Fungicide treated rice, do not use Ridomil for control of <i>Pythium</i> in water-seeded rice. Restrictions: Container bags containing GUSTAFSON ALLEGIANCE-FL Seed Treatment Fungicide treated rice must be labeled with the following restriction: "For rice seed, do not use Ridomil for control of <i>Pythium</i> in water-seeded rice." *Use not permitted 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 GUSTAFSON ALLEGIANCE-FL Seed Treatment Fungicide 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 GUSTAFSON ALLEGIANCE-FL Seed Treatment Fungicide 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 GUSTAFSON ALLEGIANCE-FL Seed Treatment Fungicide 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 GUSTAFSON ALLEGIANCE-FL Seed Treatment Fungicide 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 GUSTAFSON ALLEGIANCE-FL Seed Treatment Fungicide as a seed treatment at the rate of 0.75 fl oz per 100 lbs of seed.
Brassica (Cole) Leafy Vegetables*	Broccoli (Chinese and raab), Brussels sprouts, cabbage (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 GUSTAFSON ALLEGIANCE-FL Seed Treatment Fungicide as a seed treatment at the rate of 0.75 fl oz per 100 lbs of seed. *Use not permitted in California.
Cucurbit Vegetables*	Chayote (fruit), Chinese waxgourd, citron melon, cucumber, gherkin, edible gourd (hyotan, cucuzza, Chinese okra, and hechima), <i>Momordica</i> spp. (balsam apple, balsam pear, bitter melon, Chinese cucumber), muskmelon (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 (crookneck squash, scallop squash, straightneck squash, vegetable marrow, zucchini), winter squash (butternut squash, calabaza, hubbard squash), <i>Cucumis mixta</i> , <i>Cucumis pepo</i> (acorn squash, spaghetti squash), watermelon (hybrids and/or varieties of <i>Citrullus lanatus</i> .) For <i>Pythium</i> damping-off control: Apply GUSTAFSON ALLEGIANCE-FL Seed Treatment Fungicide as a seed treatment at 0.75 fl oz per 100 lbs of seed. *Use not permitted in California.
Leafy Vegetables*	Amaranth (leafy, Chinese spinach, tampala), cardoon, celery (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* (New Zealand and vine), and Swiss chard. Restrictions: Do not apply GUSTAFSON ALLEGIANCE-FL Seed Treatment Fungicide to spinach which is destined to be grown in the greenhouse. Containers or bags containing GUSTAFSON ALLEGIANCE-FL Seed Treatment Fungicide treated spinach seed must be labeled with the following restriction: "Do not grow spinach in greenhouses." For <i>Pythium</i> damping-off control: Apply GUSTAFSON ALLEGIANCE-FL Seed Treatment Fungicide as a seed treatment at 0.75 fl oz per 100 lbs of seed. *Use not permitted in California.
Fruiting Vegetables*	Eggplant, ground cherry, pepino, pepper (bell pepper, chili pepper, cooking pepper, pimento, sweet pepper), tomatillo, and tomato For <i>Pythium</i> damping-off control: Apply GUSTAFSON ALLEGIANCE-FL Seed Treatment Fungicide as a seed treatment at 0.75 fl oz per 100 lbs of seed. *Use not permitted in California.
Onions*	Onion (dry bulb and green) For <i>Pythium</i> damping-off control: Apply GUSTAFSON ALLEGIANCE-FL Seed Treatment Fungicide as a seed treatment at 0.75 fl oz per 100 lbs of seed. *Use not permitted 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 (oriental dalkon), rutabaga, salsify (black and Spanish), skirret, sweet potato, tanier, turmeric, turnip, yam bean (jicama, manioc pea), yam For <i>Pythium</i> damping-off control: Apply GUSTAFSON ALLEGIANCE-FL Seed Treatment Fungicide as a seed treatment at 0.75 fl oz per 100 lbs of seed. Restrictions: Do not apply GUSTAFSON ALLEGIANCE-FL Seed Treatment Fungicide to potatoes. *Use not permitted in California.

Cotton	For <i>Pythium</i> seed rot and damping-off. Apply GUSTAFSON ALLEGIANCE-FL Seed Treatment Fungicide as a seed treatment:							
	GUSTAFSON ALLEGIANCE-FL Seed Treatment Fungicide Application rate			Maximum Planting rate - seeds/A*				
	seeds/lb	fl oz/CWT	mg Al/seed	@ 0.75 fl oz/CWT	@ 1.5 fl oz/CWT			
	3600	0.75-1.5	0.019 - 0.038	96,320	48,160			
	4400	0.75-1.5	0.015 - 0.031	117,700	58,860			
	5200	0.75-1.5	0.013 - 0.026	139,100	69,560			
	6000	0.75-1.5	0.011 - 0.023	160,500	80,270			
	Restrictions: * Do not apply by seed treatment more than 0.004 pounds of Metalaxyl (0.2 fl. oz. GUSTAFSON ALLEGIANCE-FL Seed Treatment Fungicide) per acre per year.							
Soybean[**]	For <i>Pythium</i> damping-off and early season <i>Phytophthora</i> control apply GUSTAFSON ALLEGIANCE-FL Seed Treatment Fungicide as a seed treatment. To protect against <i>Phytophthora</i> seed and early seedling blight from planting to emergence use the lower specified rates, 0.20 - 0.375 fl oz per 100 pound of seeds. Applying the higher specified use rate of GUSTAFSON ALLEGIANCE-FL Seed Treatment Fungicide to provide both increased levels of control along with a longer time of activity. A use rate of 0.75 to 1.5 fl oz per 100 pounds of seed of GUSTAFSON ALLEGIANCE-FL Seed Treatment Fungicide on soybean seed is required for acceptable control of <i>Phytophthora</i> seedling blight.							
	GUSTAFSON ALLEGIANCE-FL Seed Treatment Fungicide Application rate			Maximum Planting rate - seeds/A*				
	seeds/lb	fl oz/CWT	fl oz/140,000 seed unit	mg Al/seed	@ 0.20 fl oz/CWT	@ 0.375 fl oz/CWT	@ 0.75 fl oz/CWT	@ 1.5 fl oz/CWT
	2000	0.20 - 1.5	0.14 - 1.05	0.0095 - 0.068	832,875	444,200	222,100	111,000
	2400	0.20 - 1.5	0.12 - 0.88	0.0079 - 0.057	999,375	533,000	266,500	133,200
	2800	0.20 - 1.5	0.10 - 0.75	0.0068 - 0.048	1,165,875	621,800	310,900	155,400
	3200	0.20 - 1.5	0.09 - 0.66	0.0059 - 0.042	1,332,375	710,600	355,300	177,700
	3600	0.20 - 1.5	0.08 - 0.58	0.0053 - 0.038	1,498,875	799,400	399,700	199,900
	Restrictions: * Do not apply by seed treatment more than 0.0166 pounds of Metalaxyl (0.83 fl oz GUSTAFSON ALLEGIANCE-FL Seed Treatment Fungicide) per acre per year. **Use not permitted in California.							

Use the higher specified rate of GUSTAFSON ALLEGIANCE-FL Seed Treatment Fungicide when disease pressure is above what is usual. Apply the higher specified use rate of GUSTAFSON ALLEGIANCE-FL Seed Treatment Fungicide to provide both increased levels of control along with a longer time of activity.

DIRECTIONS FOR USE AT REDUCED RATES IN COMBINATION WITH OTHER FUNGICIDES

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

Corn (Field)	<p>To aid in the control of seed decay and damping-off caused by <i>Pythium</i>. Apply GUSTAFSON ALLEGIANCE-FL Seed Treatment Fungicide as a commercial seed treatment. Apply in combination with EPA registered rates of broad-spectrum seed treatment fungicides.</p> <table border="1" data-bbox="316 388 1523 688"> <thead> <tr> <th colspan="4">GUSTAFSON ALLEGIANCE-FL Seed Treatment Fungicide Application rate</th> <th colspan="2">Maximum Planting rate - seeds/A*</th> </tr> <tr> <th>seeds/lb</th> <th>fl oz/CWT</th> <th>fl oz/80,000 seed unit</th> <th>mg AI/seed</th> <th>@ 0.1 fl oz/CWT</th> <th>@ 0.375 fl oz/CWT</th> </tr> </thead> <tbody> <tr> <td>1200</td> <td>0.1-0.375</td> <td>0.07 - 0.25</td> <td>0.008 - 0.028</td> <td>457,500</td> <td>122,000</td> </tr> <tr> <td>1600</td> <td>0.1-0.375</td> <td>0.05 - 0.19</td> <td>0.006 - 0.021</td> <td>610,000</td> <td>162,700</td> </tr> <tr> <td>2000</td> <td>0.1-0.375</td> <td>0.04 - 0.15</td> <td>0.005 - 0.017</td> <td>762,500</td> <td>203,300</td> </tr> <tr> <td>2400</td> <td>0.1-0.375</td> <td>0.03 - 0.13</td> <td>0.004 - 0.014</td> <td>915,000</td> <td>244,000</td> </tr> </tbody> </table> <p>Restrictions: * Do not apply by seed treatment more than 0.0076 pounds of Metalaxyl (0.46 fl oz GUSTAFSON ALLEGIANCE-FL Seed Treatment Fungicide) per acre per year.</p>	GUSTAFSON ALLEGIANCE-FL Seed Treatment Fungicide Application rate				Maximum Planting rate - seeds/A*		seeds/lb	fl oz/CWT	fl oz/80,000 seed unit	mg AI/seed	@ 0.1 fl oz/CWT	@ 0.375 fl oz/CWT	1200	0.1-0.375	0.07 - 0.25	0.008 - 0.028	457,500	122,000	1600	0.1-0.375	0.05 - 0.19	0.006 - 0.021	610,000	162,700	2000	0.1-0.375	0.04 - 0.15	0.005 - 0.017	762,500	203,300	2400	0.1-0.375	0.03 - 0.13	0.004 - 0.014	915,000	244,000
GUSTAFSON ALLEGIANCE-FL Seed Treatment Fungicide Application rate				Maximum Planting rate - seeds/A*																																	
seeds/lb	fl oz/CWT	fl oz/80,000 seed unit	mg AI/seed	@ 0.1 fl oz/CWT	@ 0.375 fl oz/CWT																																
1200	0.1-0.375	0.07 - 0.25	0.008 - 0.028	457,500	122,000																																
1600	0.1-0.375	0.05 - 0.19	0.006 - 0.021	610,000	162,700																																
2000	0.1-0.375	0.04 - 0.15	0.005 - 0.017	762,500	203,300																																
2400	0.1-0.375	0.03 - 0.13	0.004 - 0.014	915,000	244,000																																
Wheat, Oats, Barley, Rye	<p>To aid in the control of seed decay and damping-off caused by <i>Pythium</i>: Apply GUSTAFSON ALLEGIANCE-FL Seed Treatment Fungicide as a commercial seed treatment at the rate of 0.10-0.375 fl oz per 100 lbs of seed. Apply in combination with EPA registered rates of broad-spectrum seed treatment fungicides.</p>																																				
Soybeans, Field beans, Kidney beans, Navy beans, Pinto beans, Lentils, Peas	<p>To aid in the control of seed decay and damping-off caused by <i>Pythium</i>: Apply GUSTAFSON ALLEGIANCE-FL Seed Treatment Fungicide as a commercial seed treatment at the rate of 0.10 - 0.375 fl oz per 100 lbs of seed. Apply in combination with EPA registered rates of broad-spectrum seed treatment fungicides.</p>																																				
Sunflowers	<p>To aid in the control of seed decay and damping-off caused by <i>Pythium</i>: Apply GUSTAFSON ALLEGIANCE-FL Seed Treatment Fungicide as a commercial seed treatment at the rate of 0.10 - 0.375 fl oz per 100 lbs of seed. Apply in combination with EPA registered rates of broad-spectrum seed treatment fungicides.</p>																																				
Peanuts*	<p>To aid in the control of seed decay and damping-off caused by <i>Pythium</i>: Apply GUSTAFSON ALLEGIANCE-FL Seed Treatment Fungicide as a commercial seed treatment at the rate of 0.10 - 0.375 fl oz per 100 lbs of seed. Apply in combination with EPA registered rates of broad-spectrum seed treatment fungicides. *Use not permitted in California.</p>																																				
Rice*	<p>To aid in the control of seed decay and damping-off caused by <i>Pythium</i>: Apply GUSTAFSON ALLEGIANCE-FL Seed Treatment Fungicide as a commercial seed treatment at the rate of 0.10 - 0.375 fl oz per 100 lbs of seed. Apply in combination with EPA registered rates of broad-spectrum seed treatment fungicides. *Use not permitted in California.</p>																																				

**SEED TREATMENT-EXPORT USE ONLY
NOT FOR DOMESTIC SALES OR 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 GUSTAFSON ALLEGIANCE-FL Seed Treatment Fungicide 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 GUSTAFSON ALLEGIANCE-FL Seed Treatment Fungicide 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 GUSTAFSON ALLEGIANCE-FL Seed Treatment Fungicide as a seed treatment at 0.75 - 1.50 fl oz per 100 lbs of seed. For systemic downy mildew control: Apply GUSTAFSON ALLEGIANCE-FL Seed Treatment Fungicide as a seed treatment at 3.0 fl oz per 100 lbs of seed.
Cucurbit Vegetables	For <i>Pythium</i> damping-off control: Apply GUSTAFSON ALLEGIANCE-FL Seed Treatment Fungicide as a seed treatment at 0.75 fl oz per 100 lbs of seed.
Fruiting Vegetables	For <i>Pythium</i> damping-off control: Apply GUSTAFSON ALLEGIANCE-FL Seed Treatment Fungicide 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 GUSTAFSON ALLEGIANCE-FL Seed Treatment Fungicide 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 GUSTAFSON ALLEGIANCE-FL Seed Treatment Fungicide 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 GUSTAFSON ALLEGIANCE-FL Seed Treatment Fungicide as a seed treatment at 0.75 - 1.50 fl oz per 100 lbs of seed. For systemic downy mildew control: Apply GUSTAFSON ALLEGIANCE-FL Seed Treatment Fungicide as a seed treatment at 2.5 fl oz per 100 lbs of seed.
Peas	For <i>Pythium</i> damping-off and early season <i>Phytophthora</i> control: Apply GUSTAFSON ALLEGIANCE-FL Seed Treatment Fungicide 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 GUSTAFSON ALLEGIANCE-FL Seed Treatment Fungicide as a seed treatment at 0.75 - 1.50 fl oz per 100 lbs of seed. Restrictions: Do not apply GUSTAFSON ALLEGIANCE-FL Seed Treatment Fungicide to potatoes.
Sorghum	For <i>Pythium</i> damping-off control: Apply GUSTAFSON ALLEGIANCE-FL Seed Treatment Fungicide as a seed treatment at 0.75 - 1.50 fl oz per 100 lbs of seed. For systemic downy mildew control: Apply GUSTAFSON ALLEGIANCE-FL Seed Treatment Fungicide as a seed treatment at 5.25 fl oz per 100 lbs of seed.
Sunflowers	For systemic downy mildew control: Apply GUSTAFSON ALLEGIANCE-FL Seed Treatment Fungicide 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:

**FOR EXPORT ONLY
NOT FOR DOMESTIC SALES OR USE.**

STORAGE AND DISPOSAL

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

PESTICIDE 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 HANDLING

Rigid, Non-refillable containers small enough to shake (i.e., with capacities equal to or less than 5 gallons).

Non-refillable container. Do not reuse or refill this container. Offer for recycling, if available. Triple rinse or pressure rinse container (or equivalent) promptly after emptying.

Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure-rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

Once container is rinsed, offer for recycling if available, 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.

Rigid Non-refillable containers that are too large to shake (i.e., with capacities greater than 5 gallons or 50 lbs)

Non-refillable Containers

Non-refillable containers - Do not reuse or refill this container. After emptying product from container, either return container to Bayer CropScience per instructions from Bayer CropScience Customer Service Center (1-800-527-4781), or rinse and either recycle or dispose of the container as follows:

Bottom Discharge IBC (e.g. – Schuetz Caged IBC or Snyder Square Stackable)

Pressure rinsing the container before final disposal is the responsibility of the person disposing of the container. To pressure rinse the container before final disposal, empty the remaining contents from the IBC into application equipment or mix tank. Raise the bottom of the IBC by 1.5 inches on the side which is opposite of the bottom discharge valve to promote more complete product removal. Completely remove the top lid of the IBC. Use water pressurized to at least 40 PSI to rinse all interior portions. Continuously pump or drain rinsate into application equipment or rinsate collection system while pressure rinsing. Continue pressure rinsing for 2 minutes or until rinsate becomes clear. Replace the lid and close bottom valve.

Top Discharge IBC, Drums, Kegs (e.g.– Snyder 120 Next Gen, Bonar B120, Drums, and Kegs)

Triple rinsing the container before final disposal is the responsibility of the person disposing of the container. To triple rinse the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container at least 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Rinse all interior surfaces. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this procedure two more times.

Once container is rinsed, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration.

Refillable Containers

Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Do not remove tamper evident cables or one-way valves or clean the container if the container is equipped with one-way valves and refilling or returning is planned. After emptying product from container, either return container to Bayer CropScience per instructions from Bayer CropScience Customer Service Center (1-800-527-4781) or rinse and either recycle or dispose of the container as follows:

Bottom Discharge IBC (e.g. – Schuetz Caged IBC or Snyder Square Stackable)

Pressure rinsing the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To pressure rinse the container before final disposal, empty the remaining contents from the IBC into application equipment or mix tank. Raise the bottom of the IBC by 1.5 inches on the side which is opposite of the bottom discharge valve to promote more complete product removal. Completely remove the top lid of the IBC. Use water pressurized to at least 40 PSI to rinse all interior portions. Continuously pump or drain rinsate into application equipment or rinsate collection system while pressure rinsing. Continue pressure rinsing for 2 minutes or until rinsate becomes clear. Replace the lid and close bottom valve.

Top Discharge IBC, Drums, Kegs (e.g. – Snyder 120 Next Gen, Bonar B120, Drums, and Kegs)

Triple rinsing the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To triple rinse the containers before final disposal, empty the remaining contents from this container into

application equipment or mix tank. Fill the container at least 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Rinse all interior surfaces. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this procedure two more times.

Once container is rinsed, offer for recycling if available or puncture and dispose of in a sanitary landfill or by incineration.

Refillable Containers

End users are authorized to remove tamper evident cables as required to remove the product from the container unless the container is equipped with one-way valves and refilling or returning is planned. If this is the case, end users are not authorized to remove tamper evident cables, one-way valves or clean container. See Container Disposal instructions under Storage and Disposal.

IMPORTANT: READ BEFORE USE

CONDITIONS OF SALE AND LIMITATIONS OF WARRANTY AND LIABILITY

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 must 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: TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, 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. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, 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 CONSISTENT WITH APPLICABLE 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.

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PRODUCED FOR



Bayer CropScience

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GUSTAFSON ALLEGIANCE-FL Seed Treatment Fungicide (PENDING) 06/13/2018, 06/14/2018, 06/26/2018, 07/12/2019