



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

December 15, 2017

Mathew C. Flanery  
Regulatory Specialist Seedcare  
Syngenta Crop Protection, LLC  
P.O. Box 18300  
Greensboro, NC 27419

Subject: Label Amendment – Addition of disease crop protection and other minor revisions  
Product Name: MAXIM 4FS  
EPA Registration Number: 100-758  
Application Date: 06/12/2017  
Decision Number: 530438

Dear Mr. Flanery:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

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.

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Your release for shipment of the product 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. If you have any questions, please contact Maryam K. Muhammad by phone at 703-347-0301, or via email at [Muhammad.maryam@epa.gov](mailto:Muhammad.maryam@epa.gov).

Sincerely,

A handwritten signature in black ink, appearing to be 'HJ', written in a cursive style.

Hope Johnson, Product Manager 21  
Fungicide Branch  
Registration Division (7505P)  
Office of Pesticide Programs

Enclosure

[Master Label]

**GROUP 12 FUNGICIDE**

**Maxim® 4FS**

**Fungicide**

A seed treatment product for protection against damage from certain seed and seedling diseases of listed crops

Active Ingredient:	
Fludioxonil (CAS No. 131341-86-1).....	40.3%
Other Ingredients:	59.7%
Total:	100.0%

Maxim 4FS is a flowable concentrate for seed treatment containing 4 lb fludioxonil per gallon.

**KEEP OUT OF REACH OF CHILDREN.**

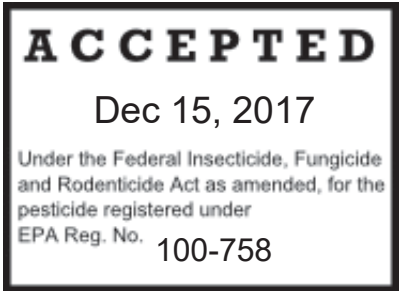
**CAUTION**

See additional precautionary statements and directions for use inside booklet.

EPA Reg. No. 100-758

EPA Est. 100-NE-001

\_\_\_\_ gallons  
Net Contents



<b>FIRST AID</b>	
<b>If inhaled</b>	<ul style="list-style-type: none"><li>• Move person to fresh air.</li><li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.</li><li>• Call poison control center or doctor for further treatment advice.</li></ul>
<b>If in eyes</b>	<ul style="list-style-type: none"><li>• Hold eye open and rinse slowly.</li><li>• Remove contact lenses, if present, after the first five minutes, then continue rinsing.</li><li>• Call poison control center or doctor for treatment advice.</li></ul>
<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 poison control center or doctor for treatment advice.</li></ul>
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
<b>HOT LINE NUMBER</b> For 24-Hour Medical Emergency Assistance for Incidents Involving Human or Animal Exposure or for Chemical Emergency Assistance (Spill, Leak, Fire, or Accident) Call <b>1-800-888-8372</b>	

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## **PRECAUTIONARY STATEMENTS**

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### **Hazards to Humans and Domestic Animals**

#### **CAUTION**

Harmful if inhaled. Causes moderate eye irritation. Harmful if absorbed through the skin. Avoid contact with skin, eyes, or clothing. Avoid breathing vapor or spray mist. Wash thoroughly with soap and water after handling, and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing and wash before reuse.

### **Personal Protective Equipment**

#### **Applicators and other handlers must wear:**

- Long-sleeved shirt and long pants
- Chemical-resistant gloves: barrier laminate, butyl rubber  $\geq$  14 mils, nitrile rubber  $\geq$  14 mils, neoprene rubber  $\geq$  14 mils, polyvinyl chloride (PVC)  $\geq$  14 mils, or Viton®  $\geq$  14 mils.
- Shoes plus socks

Follow the 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. Discard clothing or 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 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.
- Remove clothing/PPE 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**

This product is toxic to fish and aquatic invertebrates. Do not contaminate water when disposing of equipment washwater.

## **Groundwater Advisory**

Fludioxonil has properties and characteristics associated with chemicals detected in groundwater. This chemical may leach into groundwater if used in areas where soils are permeable, particularly where the water table is shallow.

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## CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

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**NOTICE:** Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of SYNGENTA CROP PROTECTION, LLC or Seller. To the extent permitted by applicable law, Buyer and User agree to hold SYNGENTA and Seller harmless for any claims relating to such factors.

SYNGENTA warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. To the extent permitted by applicable law: (1) this warranty does not extend to the use of the product contrary to label instructions or under conditions not reasonably foreseeable to or beyond the control of Seller or SYNGENTA, and (2) Buyer and User assume the risk of any such use. **TO THE EXTENT PERMITTED BY APPLICABLE LAW, SYNGENTA MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS WARRANTED BY THIS LABEL.**

To the extent permitted by applicable law, in no event shall SYNGENTA be liable for any incidental, consequential or special damages resulting from the use or handling of this product. **TO THE EXTENT PERMITTED BY APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF SYNGENTA AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF SYNGENTA OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

SYNGENTA and Seller offer this product, and Buyer and User accept it, subject to the foregoing Conditions of Sale and Limitation of Warranty and Liability, which may not be modified except by written agreement signed by a duly authorized representative of SYNGENTA.

## DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

Maxim 4FS must be used only in accordance with directions on this label or in separately published Syngenta supplemental labeling approved by EPA for this product.

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.

**FAILURE TO FOLLOW THE DIRECTIONS FOR USE, RESTRICTIONS, AND PRECAUTIONS ON THIS LABEL MAY RESULT IN CROP INJURY, POOR DISEASE CONTROL, AND/OR ILLEGAL RESIDUES.**

### 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 12 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
- Chemical-resistant gloves: barrier laminate, butyl rubber  $\geq$  14 mils, nitrile rubber  $\geq$  14 mils, neoprene rubber  $\geq$  14 mils, polyvinyl chloride (PVC)  $\geq$  14 mils, or Viton®  $\geq$  14 mils
- Shoes plus socks

Treatment of highly mechanically scarred or damaged seed, or seed known to be of low vigor and poor quality, except for the purpose of curative control of existing disease pests, may result in reduced germination and/or reduction of seed and seedling vigor.

Treat using equipment similar to that planned for treating the total seed lot. Then conduct germination tests with a portion of this treated seed before committing the total seed lot to a selected seed treatment.

Due to seed quality and seed storage conditions beyond the control of Syngenta, no claims are made to guarantee the germination of carry-over seed or propagating material for all crop seed when treated with Maxim 4FS.

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## PRODUCT INFORMATION

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Maxim 4FS is a seed treatment fungicide which provides protection against damage from certain soil-borne and seed-borne diseases of listed crops. Maxim 4FS is active against *Fusarium*, *Rhizoctonia*, *Helminthosporium*, and weakly pathogenic fungi such as *Aspergillus* and *Penicillium* species. Maxim 4FS provides protection from seed-borne Diaporthe-Phomopsis disease complex sometimes referred to as pod and stem blight (*Phomopsis* spp. & *Diaporthe* spp.). Maxim 4FS also provides protection against damage from pink snow mold (*Microdochium nivale* or *Monographella nivalis*).

When rate ranges are given, use the higher specified rate when disease pressure is expected to be severe.

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## RESISTANCE MANAGEMENT

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GROUP	12	FUNGICIDE
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Maxim 4FS contains fludioxonil, a Group 12 fungicide. Fludioxonil belongs to the phenylpyrrole class of chemistry and has a unique mode of action which prevents fungal respiration.

Fungal populations may contain individuals naturally resistant to Group 12 fungicides. If Group 12 fungicides are used repeatedly in the same fields, then resistant members may eventually dominate the population. Because resistance development cannot be predicted, the use of this product should conform to sound resistance management strategies established for the crop and use area.

Seed treatment use should be based on an IPM program that includes field sanitation, scouting, historical information related to pesticide use, and crop rotation. The IPM program should also consider cultural, biological, and other chemical control practices.

Where possible, rotate or mix the use of Group 12 fungicides with different fungicide groups to which resistance has not developed.

Syngenta encourages responsible product stewardship to ensure effective long term control of the fungal diseases on this label.



### For additional information on fungicide resistance management:

- Contact Syngenta representatives at 1-800-334-9481
- Contact your local extension specialist or certified crop advisor
- Visit the Fungicide Resistance Action Committee (FRAC) on the web at: <http://www.frac.info>

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### MIXING PROCEDURES

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Apply Maxim 4FS as a water-based slurry utilizing standard slurry seed treatment equipment which provides uniform seed coverage. Uneven or incomplete seed coverage may not give the desired level of disease control. Thoroughly mix the specified amount of Maxim 4FS into the required amount of water for the slurry treater and dilution rate to be used. Follow the manufacturer's application instructions for the seed treatment equipment being used. Maintain constant agitation of the slurry during the treatment.

Maxim 4FS does not control diseases caused by *Pythium* spp. or *Phytophthora* spp. If these diseases are expected to be a problem, apply Maxim 4FS tank-mixed with Apron XL® (mefenoxam). If Apron XL is not registered on that crop, apply Maxim 4FS as a tank mix with another labeled seed treatment product that has activity against these diseases. Consult the label for appropriate use rate and follow all use instructions for the products.

It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable 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.

- 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).
- Allow seed to dry before bagging.

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### SEED CONTAINER LABEL REQUIREMENTS

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THE FEDERAL SEED ACT REQUIRES THAT CONTAINERS OF TREATED SEEDS SHALL BE LABELED WITH THE FOLLOWING STATEMENTS:

- This seed has been treated with fludioxonil fungicide.
- **DO NOT** use for feed, food or oil purposes

THE US ENVIRONMENTAL PROTECTION AGENCY REQUIRES THE FOLLOWING STATEMENTS ON CONTAINERS OF SEEDS TREATED WITH MAXIM 4FS (fludioxonil):

- Store treated seed away from feeds and foodstuffs.
- Wear long-sleeved shirt, long pants, and chemical-resistant gloves when handling treated seed.
- **DO NOT** allow children, pets or livestock to have access to treated seeds.
- Treated seeds exposed on soil surface may be hazardous to wildlife. Cover or collect treated seeds spilled during loading and planting (such as in row ends).
- Dispose of excess treated seed by burying seed away from bodies of water.
- **DO NOT** contaminate water bodies when disposing of planting equipment washwater.
- Dispose of seed packaging in accordance with local requirements.
- 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 pesticides remain in the ethanol by-products that are used in agronomic practice.
- Do not allow animals to graze the following crops grown from seeds treated with fludioxonil until 30 days after planting
  - Forage, Fodder, and Straw of Cereal Grains Crop Group 16
  - Grass Forage, Fodder, and Hay Crop Group 17
  - Nongrass Animal Feeds (Forage, Fodder, Straw, and Hay) Crop Group 18
- Groundwater Advisory: Fludioxonil has properties and characteristics associated with chemicals detected in groundwater. This chemical may leach into groundwater if used in areas where soils are permeable, particularly where the water table is shallow.

### **Seed Treatment – Export Use**

FOR TREATMENT OF THE SEED FOR EXPORT ONLY TO COUNTRIES REQUIRING TREATMENT WITH MAXIM 4FS BEFORE IMPORTATION: User should verify actual registered rate in country of destination and/or use.

Seed treated in accordance with the export use pattern must be labeled as follows:  
TREATED SEED: FOR EXPORT ONLY – NOT FOR DOMESTIC SALE OR USE.  
TREATED WITH THE FUNGICIDE, FLUDIOXONIL

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## **SEED TREATMENT DIRECTIONS**

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### **BRASSICA (COLE) LEAFY VEGETABLES GROUP**

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Broccoli; broccoli, Chinese; broccoli raab; Brussels sprouts; cabbage; cabbage, Chinese (bok choy); cabbage, Chinese (napa); cabbage, Chinese mustard (gai choy); cauliflower; cavalo broccolo; collards, kale, kohlrabi; mizuna; mustard greens; mustard spinach; and rape greens

For protection against seed-borne and soil-borne fungi which cause decay, damping-off, and seedling blight, apply 0.08-0.16 fl oz of product per 100 lb of seed.

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## BULB VEGETABLES

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Garlic; garlic, great headed; leek; onion, dry bulb and green; onion, welsh; and shallot

For protection against seed-borne and soil-borne fungi which cause decay, damping-off, and seedling blight, apply 0.08-0.16 fl oz of product per 100 lb of seed or propagating material.

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## CEREAL GRAINS (AND FORAGE, FODDER AND STRAW OF CEREAL GRAINS)

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**Barley, buckwheat, millet (pearl and proso), oats, rye, teosinte, triticale, wheat, and wild rice:** For protection against seed-borne and soil-borne fungi which cause seed decay, damping-off, and seedling blights, apply 0.08-0.16 fl oz of product per 100 lb of seed. For protection against damage from pink snow mold (*Microdochium nivale* or *Monographella nivalis*), apply 0.08-0.16 fl oz of product per 100 lb of seed.

**Corn (Field Corn and Popcorn):** For protection against seed-borne and soil-borne fungi which cause seed decay, damping-off, and seedling blights, and for control of seed-borne head smut (*Sphacelotheca reiliana*), apply Maxim 4FS as shown below. For *Pythium* spp. control, use Maxim 4FS in combination with mefenoxam-containing products, such as Apron XL, and azoxystrobin-containing products, such as Dynasty®. Observe all precautions, restrictions, limitations, rates, and directions for use on the respective labels before applying.

Maxim 4FS Use Rate		
fl oz/ 100 lb seed	fl oz/80,000 kernel count	mg active ingredient per kernel
0.08	0.036	0.0064
0.16	0.072	0.0128

Maxim 4FS contains 14.18 grams active ingredient per ounce.

**Grain Sorghum:** For protection against seed-borne and soil-borne fungi which cause seed decay, damping-off, and seedling blights, apply 0.08-0.16 fl oz of Product per 100 lb of seed (0.0008-0.0016 mg fludioxonil per seed\*).

Apply mefenoxam-containing products, such as Apron XL, in combination with Maxim 4FS for protection against damping-off due to *Pythium* spp. and for sorghum downy mildew.

\*Based upon 14,500 seeds per pound of sorghum seed.

**Rice:** For protection against seed-borne and soil-borne fungi which cause seed decay, damping-off, and seedling blights, apply 0.02 to 0.08 fl oz of product per 100 lb of seed.

**Sweet Corn:** For protection against seed-borne and soil-borne fungi which cause seed decay, damping-off, and seedling blights, apply 0.08 fl oz of product per 100 lb of seed.

Apply mefenoxam-containing seed treatment products, such as Apron XL, in combination with Maxim 4FS for protection against damping-off due to *Pythium* spp. and for systemic downy mildew.

**Restriction: (1) Do not use treated seed for feed, food, or oil. (2) Cereal forage must not be grazed until 30 days after planting.**

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### **CUCURBIT VEGETABLES**

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Chayote, Chinese waxgourd, citron melon, cucumber, gherkin, gourd edible (hyotan, cucuzza, hechima, Chinese okra), *Momordica* spp., all muskmelon, pumpkin, all squash, and watermelon

For protection against seed-borne and soil-borne fungi which cause decay, damping-off, and seedling blight, apply 0.08-0.16 fl oz of product per 100 lb of seed.

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### **FLAX, COTTON, JAJOBA, SAFFLOWER, SUNFLOWER**

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For protection against seed-borne and soil-borne fungi which cause decay, damping-off, and seedling blight, apply 0.08-0.16 fl oz of product per 100 lb of seed.

For sunflower, apply 0.08-0.16 fl oz of product per 100 lb of seed or 0.0025-0.005 mg active ingredient per seed.

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### **FOLIAGE OF LEGUME VEGETABLES**

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Any cultivar of bean (*Phaseolus* spp.), pea (*Pisum* spp.), and soybean

For protection against seed-borne and soil-borne fungi which cause decay, damping-off, and seedling blight, apply 0.08-0.16 fl oz of product per 100 lb of seed. Maxim 4FS provides protection from seed-borne Diaporthe-Phomopsis disease complex sometimes referred to as pod and stem blight (*Phomopsis* spp. & *Diaporthe* spp.).

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### **FRUITING VEGETABLES EXCEPT CUCURBITS**

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Eggplant, groundcherry, pepino, pepper (bell pepper, chili pepper, cooking pepper, pimento, sweet pepper), tomatillo, and tomato

For protection against seed-borne and soil-borne fungi which cause decay, damping-off, and seedling blight, apply 0.08-0.16 fl oz of product per 100 lb of seed.

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### **GRASS FORAGE, FODDER, AND HAY**

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All grasses (such as turfgrass, bermudagrass, bluegrass, and fescue or brome grass), *Gramineae* family (either green or cured) except sugarcane and those included in the cereal grains group, that will be fed to or grazed by livestock, all pasture and range grasses and grasses grown for hay or silage

For protection against seed-borne and soil-borne fungi which cause decay, damping-off, and seedling blight, apply 0.08-0.16 fl oz of product per 100 lb of seed or propagating root or tuber material.

**Restriction: Do not graze forage until 30 days after planting.**

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### **HERBS AND SPICES**

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Allspice, angelica, anise, anise (star), annatto, balm, basil, borage, burnet, camomile, caper buds, caraway, caraway (black), cardamom, cassia bark, cassia buds, catnip, celery seed, chervil, chive, Chinese chive, cinnamon, clary, clove buds, coriander (Chinese parsley or cilantro), costmary, culantro (seed), cumin, curry (leaf), dill (seed) and dillweed, common fennel and Florence fennel, fenugreek, grains of paradise, horehound, hyssop, juniper berry, lavender, lemongrass, lovage, lovage (seed), mace, marigold, marjoram, mustard (seed), nasturtium, nutmeg, parsley (dried), pennyroyal, pepper (black and white), poppy (seed), rosemary, rue, saffron, sage, savory (summer and winter), sweet bay, tansy, tarragon, thyme, vanilla, wintergreen, woodruff, and wormwood

For protection against seed-borne and soil-borne fungi which cause decay, damping-off, and seedling blight, apply 0.08-0.16 fl oz of product per 100 lb of seed or propagating root or tuber material.

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### **LEAFY VEGETABLES EXCEPT BRASSICA**

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Amaranth (leafy, Chinese spinach, tampala), arugula, cardoon, celery, Chinese celery, 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 spinach, vine spinach, and swiss chard

For protection against seed-borne and soil-borne fungi which cause decay, damping-off, and seedling blight, apply 0.08-0.16 fl oz of product per 100 lb of seed.

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## **LEAVES OF ROOT AND TUBER VEGETABLES**

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Beet (garden and sugar), burdock (edible), carrot, cassava (bitter and sweet), chervil (turnip rooted), chicory, dasheen (taro), parsnip, radish, oriental radish, rutabaga, salsify (black), sweet potato, tanager, turnip, and true yam

For protection against seed-borne and soil-borne fungi which cause decay, damping-off, and seedling blight, apply 0.08-0.16 fl oz of Maxim 4FS per 100 lb of seed or propagating root or tuber material.

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## **LEGUME VEGETABLES (SUCCULENT OR DRY) (EXCEPT SOYBEANS)**

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Bean (*Lupinus* spp. – grain lupin, sweet lupin, white lupin), bean (*Phaseolus* spp. – field bean, kidney bean, lima bean, navy bean, pinto bean, runner bean, snap bean, tepary bean, wax bean), bean (*Vigna* spp. – adzuki bean, asparagus bean, blackeyed pea, catjang, Chinese longbean, cowpea, Crowder pea, moth bean, mung bean, rice bean, southern pea, urd bean, and yardlong bean), broad bean, chickpea, guar, jackbean, lablab bean, lentil, pea (dwarf, edible-pod, English, field, garden, green, snow, sugar snap), pigeon pea, soybean (immature), and sword bean

For protection against seed-borne and soil-borne fungi which cause decay, damping-off, and seedling blight, apply 0.08-0.16 fl oz of product per 100 lb of seed or propagating root or tuber material. Maxim 4FS provides protection from seed-borne Diaporthe-Phomopsis disease complex sometimes referred to as pod and stem blight (*Phomopsis* spp. & *Diaporthe* spp.).

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## **NONGRASS ANIMAL FEEDS (FORAGE, FODDER, STRAW, AND HAY)**

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Alfalfa, bean (velvet), clover, kudzu, lespedeza, lupin, sainfoin, trefoil, vetch, crown vetch, and milk vetch

For protection against seed-borne and soil-borne fungi which cause decay, damping-off, and seedling blight, apply 0.08-0.16 fl oz of product per 100 lb of seed.

**Restriction: Do not graze forage until 30 days after planting.**

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## **PEANUTS**

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For protection against seed-borne and soil-borne fungi which cause decay, damping-off, and seedling blight, apply 0.08-0.16 fl oz of product per 100 lb of seed.

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**RAPESEED CROP SUBGROUP 20A (EXCEPT FLAX SEED – SEE FLAX SECTION)**

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Borage, crambe, cuphea, echium, gold of pleasure, hare’s ear mustard, lesquerella, lunaria, meadowfoam, milkweed, mustard seed, oil radish, poppy seed, rapeseed (canola), sesame, sweet rocket, and cultivars, varieties, and/or hybrids of these

For protection against seed-borne and soil-borne fungi which cause decay, damping-off, and seedling blight, apply 0.08-0.16 fl oz of product per 100 lb of seed.

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**ROOT AND TUBER VEGETABLES**

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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, parsnip, potato (0.08 fl oz only), radish, oriental radish, rutabaga, salsify (oyster, black, and spanish), skirret, sweet potato, tanier, turmeric, turnip, yam bean (jicama, manioc pea), and true yam

For protection against seed-borne and soil-borne fungi which cause decay, damping-off, and seedling blight, apply 0.08-0.16 fl oz of product per 100 lb of seed or propagating root or tuber material.

**For Application to Potato:** Maxim 4FS applications to potato seed pieces must be made only through specific types of equipment. Please contact your Syngenta seed treatment representative to obtain information on proper equipment for application.

**For Potatoes Intended for Seed Production:** As a resistance management strategy, if Maxim 4FS is used on potatoes intended for seed production, a labeled rate of mancozeb seed treatment dust should be applied to seed tubers after the Maxim 4FS treatment. If the mancozeb dust is not used, an in-furrow application of azoxystrobin-containing products, such as Quadris® or Amistar® may be applied over the Maxim treated seed tubers.

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**SOYBEANS**

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For protection against seed-borne and soil-borne fungi which cause decay, damping-off, and seedling blight, apply this product as shown here:

<b>Maxim 4FS Application Rate</b>			
<b>fl oz/100 lb seed</b>	<b>fl oz/1,000 seeds</b>	<b>fl oz/140,000 seeds</b>	<b>mg ai/ seed*</b>
0.08	0.00027	0.0373	0.0038
0.16	0.00053	0.0747	0.0076

\* Based on an average seed weight of 3,000 soybeans/lb.

Maxim 4FS provides protection from seed-borne Diaporthe-Phomopsis disease complex sometimes referred to as pod and stem blight (Phomopsis spp. & Diaporthe spp.).

## **STORAGE AND DISPOSAL**

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

### **Pesticide Storage**

Store in a cool, dry, secure place.

For minor spills, leaks, etc., follow all precautions indicated on this label and clean up immediately. Take special care to avoid contamination of equipment and facilities during cleanup procedures and disposal of wastes.

### **Pesticide Disposal**

Wastes resulting from the use of this product must be disposed of onsite or at an approved waste disposal facility. If these wastes cannot be used according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA regional office for guidance in proper disposal methods.

### **Container Handling (less than or equal to 5 gallons)**

**Non-refillable container.** Do not reuse or refill this container. Triple 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  $\frac{1}{4}$  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. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

### **Container Handling (greater than 5 gallons)**

**Non-refillable container.** Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container  $\frac{1}{4}$  full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.



**Container Handling (greater than 5 gallons)**

**Refillable container.** Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the person refilling. To clean container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

**CONTAINER IS NOT SAFE FOR FOOD, FEED, OR DRINKING WATER!**

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Syngenta Crop Protection at 1-800-334-9481.

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