

ACCELERON[®]

D-310

Fungicide Seed Treatment

A FUNGICIDE SEED TREATMENT PRODUCT PROVIDING SYSTEMIC FUNGICIDE PROTECTION AGAINST SEED AND SEEDLING DISEASES CAUSED BY PYTHIUM

Active Ingredient	By Wt
Ethaboxam*	34.2%
Other Ingredients.....	65.8%
Total	100.0%

**(RS)*-*N*-(α -cyano-2-thenyl)-4-ethyl-2-(ethylamino)-1,3-thiazole-5-carboxamide

Acceleron D-310 Fungicide Seed Treatment contains 3.2 lb ethaboxam per gallon.

EPA Reg No. 352-940-264

KEEP OUT OF REACH OF CHILDREN
CAUTION

SEE NEXT PAGE FOR PRECAUTIONARY STATEMENTS

Form 2403-A

MANUFACTURED FOR: Bayer CropScience LP
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PRECAUTIONARY STATEMENTS

CAUTION

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Workers loading product, treating seed and conducting maintenance and calibration of the treater must wear: long-sleeved shirt, long pants, socks and shoes, and chemical-resistant gloves made of any waterproof material.

Workers involved with handling treated seed (such as baggers, sewers and bag stackers) must wear: long-sleeved shirt, long pants, socks and shoes.

Workers who load and plant treated seed must wear: long-sleeved shirt, long pants, socks and shoes and chemical-resistant gloves made of any waterproof material when handling treated seed.

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.

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 pesticide is toxic to aquatic invertebrates, oysters, and shrimp. Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash water or rinsate. Do not apply where runoff is likely to occur. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. Apply this product only as specified on label.

Groundwater Advisory

This chemical 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.

Surface Water Advisory

This product may impact surface water quality due to runoff of rain water. This is especially true for poorly draining soils and soils with shallow ground water. This product is classified as having high potential for reaching surface water via runoff for several days after application. A level, well maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams and springs will reduce the potential loading of ethaboxam from runoff water and sediment. Runoff of this product will be reduced by avoiding applications when rainfall or irrigation is expected to occur within 48 hours.

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 (WPS).

DO NOT enter or allow worker entry into treated areas during the Restricted Entry Interval (REI) of 12 hours.

Exception: Once the seeds are planted in soil, the WPS, under certain circumstances, allows workers to enter the treated area without restriction if there will be no worker contact with the soil subsurface or treated seed. PPE required for early entry to treated areas that is permitted under the WPS and that involves contact with anything that has been treated, such as plants, soil, or water, is: long-sleeved shirt and long pants, socks and shoes, and chemical-resistant gloves made of any waterproof material.

DIRECTIONS FOR USE

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

READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.

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 State or Tribal agency responsible for pesticide regulation.

APPLICATION INSTRUCTIONS

RESTRICTIONS

Acceleron D-310 Fungicide Seed Treatment must be used only in accordance with use instructions on this label utilizing mechanical, slurry or mist-type seed treating equipment, provided that the equipment can be calibrated to accurately and uniformly apply the product to seed. This product is for both commercial and on-farm application. Do not apply this product in a hopper-box or planter-box at planting time. Always mix product thoroughly before use.

As stated by regulations specified in 40 CFR 153.155, all seed treated with Acceleron D-310 Fungicide Seed Treatment must be colored with an EPA-approved dye or colorant to visually distinguish seed is treated with a pesticide. It is mandatory that such dye or colorant be added into the slurry mixture containing Acceleron D-310 Fungicide Seed Treatment, prior to application. This regulation is necessary to prevent treated seed from accidental use as a food for man or feed for animals.

MODE OF ACTION

Acceleron D-310 Fungicide Seed Treatment contains ethaboxam, which is a Group 22 fungicide as classified by the Fungicide Resistance Action Committee (FRAC). Its mode of action is the inhibition of cell division.

SEED QUALITY AND STORAGE OF TREATED SEED

Seed treatments applied to low vigor or poor quality seed or to mechanically damaged seed may result in loss of seed germination or reduced seedling vigor. To verify seed safety, treat a small portion of seed with the desired slurry mixture (Acceleron D-310 Fungicide Seed Treatment alone or in combination with other commercial seed treatment products) prior to treatment of an entire seed lot. Utilize standard seed germination methodologies to determine and verify seed safety. Use proper storage conditions for treated seed. Due to seed quality and seed storage conditions beyond the control of Bayer CropScience LP, no claims are made to guarantee the germination of carry-over treated seed.

PRODUCT INFORMATION

Acceleron D-310 Fungicide Seed Treatment is a systemic fungicide seed protection product for use on corn. The active ingredient, ethaboxam, provides protection against Oomycetes including *Pythium* spp. that can cause seed decay, seedling dieback and root rot.

For best results, use Acceleron D-310 Fungicide Seed Treatment combined with other Oomycete-active seed treatment fungicides, such as metalaxyl or metefenoxam, to broaden the spectrum of activity. In addition, use with a broad-spectrum seed treatment fungicide(s) having activity against *Rhizoctonia solani* and other fungal pathogens inciting seed and seedling disease.

APPLICATION DIRECTIONS

Accurate application of Acceleron D-310 Fungicide Seed Treatment to seed is required for best performance. Thoroughly mix Acceleron D-310 Fungicide Seed Treatment in the desired seed slurry mixture, prior to application to seed.

Pre-test tank mixtures with other seed treatment products to evaluate formulation compatibility and to ensure proper physical compatibility of products. Follow the most restrictive limitations and precautions on labels of all products used in a seed treatment mixture. Do not tank mix with any products which contain a prohibition on tank mixing.

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.

The following table provides use rates of Acceleron D-310 Fungicide Seed Treatment by labeled crop, with disease protection guidelines.

CORN (FIELD, SWEET AND POPCORN)	
Disease Protection Claims	Application Rate of Acceleron D-310 Fungicide Seed Treatment (fl oz/100 lb seed)
<i>Pythium</i> Seed Decay, Seedling Dieback and Root Rot	<p>0.2 to 0.3 (5 to 7.5 g ai/100 kg seed)</p> <p>Field Corn: To deliver 5 g ai/100 kg seed, apply 0.1 fl oz per 80,000 seed (equals 0.0141 mg ai/seed) based on 1600 seed/lb count</p> <p>Sweet Corn: To deliver 5 g ai/100 kg seed, apply 0.064 fl oz per 100,000 seed (equals 0.0072 mg ai/seed) based on 3150 seed/lb count</p> <p>Popcorn: To deliver 5 g ai/100 kg seed, apply 0.066 fl oz per 100,000 seed (equals 0.0074 mg ai/seed) based on 3061 seed/lb count</p>
COMMERCIAL TANK MIXES	
<p>NOTICE: Commercial tank mixing or use of this product with any other product which is not specifically and expressly authorized by the label shall be the exclusive risk of user, applicator and/or application advisor.</p> <p>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.</p>	

SEED BAG TAG

The Federal Seed Act requires that bags containing treated seed be labeled or tagged with the following information:

- This seed has been treated with ethaboxam.
- Do not use for feed, food or oil processing.
- Excess 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 by-products that are used in agronomic practices.

In addition, the following statements are required on containers of seed treated with Acceleron D-310 Fungicide Seed Treatment Fungicide:

- Store away from feeds and other foodstuffs.
- Wear long-sleeved shirt, long pants, shoes and socks, and chemical-resistant gloves made of any waterproof material when handling treated seed.
- Dispose of all excess treated seed. Left over treated seed may be double-sown around the headland or buried away from water sources in accordance with local requirements. Do not contaminate water bodies when disposing of planting equipment washwaters.
- Dispose of seed packaging in accordance with local requirements.
- Treated seeds exposed on soil surface may be hazardous to wildlife. Cover or collect treated seeds spilled during loading.
- Treated seed must be planted into the soil at a minimum depth of 0.5 inch.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Keep pesticide in original container.

Store in a dry place away from excessive heat.

Do not store near food or feed.

Do not put pesticide into food or drink containers.

Not for use or storage around the home.

To close package, replace and tighten cap to form an airtight seal.

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

Use the following statement for containers equal to or less than 5 gallons

Nonrefillable container. Do not reuse or refill this container. Clean container 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. Add water – at least 2% of the container volume, and up to 1/3 of the volume of water needed to make the proper slurry composition with a maximum of 1/4 of the container volume – and recap. Shake for 30 seconds. Pour rinsate into a rinsate collection system for disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Offer for recycling, if available; otherwise dispose of in a sanitary landfill or other procedures allowed by State and local authorities.

Use the following statement for rigid nonrefillable containers greater than 5 gal or 50 lb

Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Add water – at least 2% of the container volume, and up to 1/3 of the volume of water needed to make the proper slurry composition with a maximum of 1/4 of the container volume. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 60 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 a rinsate collection system for disposal. Repeat this procedure two more times. Offer for recycling, if available; otherwise dispose of in a sanitary landfill or other procedures allowed by State and local authorities.

Use the following statement for all refillable container types

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 refiller. To clean the container before final disposal, empty the remaining contents into application equipment or mix tank. Add water – at least 2% of the container volume, and up to 1/3 of the volume of water needed to make the proper slurry composition with a maximum of 1/4 of the container volume. Replace and tighten closure. Agitate vigorously or recirculate the rinsate with a pump for at least 2 minutes ensuring that the rinsate rinses the walls of the container. Empty the rinsate into a rinsate collection system for disposal. Repeat this rinsing procedure two more times. Offer for recycling, if available; otherwise dispose of in a sanitary landfill or other procedures allowed by State and local authorities.

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. To the extent consistent with applicable law, all such risks shall be assumed by the user or buyer.

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