

Avixio™

D-342

Contains prothioconazole, the active ingredient used in Acceleron® D-342.



**SEED
TREATMENT**

For control of specified diseases on listed crops.

ACTIVE INGREDIENT:	(% by weight)
Prothioconazole, 2-[2-(1-Chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione.....	41.0%
OTHER INGREDIENTS:	59.0%
TOTAL	100.0%
Contains 4 lbs. of Prothioconazole per gallon.	
EPA Reg. No.: 91234-345	

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

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.)

See below for additional Precautionary Statements.

FIRST AID	
If swallowed:	<ul style="list-style-type: none"> • Immediately call a poison control center or doctor for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by the poison control center or doctor. • Do not give anything by mouth to an unconscious person.
If inhaled:	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.
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 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 eye. • Call a poison control center or doctor for treatment advice.
NOTE TO PHYSICIAN	
No specific antidote. Treat symptomatically.	
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact SafetyCall at 1-844-685-9173 for emergency medical treatment information.	

For Chemical Emergency: Spill, Leak, Fire, Exposure, or Accident, Call CHEMTREC Day or Night
Within USA and Canada: 1-800-424-9300 or +1 703-527-3887 (collect calls accepted)

Avixio™ D-342 is not manufactured, or distributed by Bayer CropScience, seller of Acceleron® D-342.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

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

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of any waterproof material including barrier laminate, butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, neoprene rubber ≥ 14 mils, natural rubber ≥ 14 mils, polyvinyl chloride (PVC) ≥ 14 mils, Viton ≥ 14 mils.
- Shoes plus socks

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.

Engineering Controls

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [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 estuarine/marine invertebrates, and freshwater/estuarine/marine aquatic plants. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate.

Prothioconazole-desthio (a degradate of prothioconazole) is known to leach through soil into ground water under certain conditions as a result of labeled use. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in ground-water contamination.

This product may impact surface water quality due to runoff rainwater. 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 months or more 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 prothioconazole and degradates 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.

PHYSICAL-CHEMICAL HAZARDS

Do not mix or allow coming in contact with Oxidizing agents. Hazardous Chemical reaction may occur.

DIRECTIONS FOR USE

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

For use only in commercial seed treatment equipment. Do not use in hopper box, planter box, slurry box, or other on-farm seed treatment applications.

PRODUCT INFORMATION

Avixio D-342: Is a broad-spectrum systemic seed treatment fungicide for the control of Ascomycete, Basidiomycete and Deuteromycete diseases in a variety of crops including alfalfa, barley, buckwheat, cotton, dried shelled pea and bean (except for soybean) subgroup, millet (Pearl & Proso), oats, rice, rye, sorghum, soybeans, triticale, and wheat.

APPLICATION INSTRUCTIONS

- **Avixio D-342** provides control or suppression of many important diseases of alfalfa, barley, buckwheat, cotton, dried shelled pea and bean (except for soybean) subgroup, millet (Pearl & Proso), oats, rice, rye, sorghum, soybeans, triticale, and wheat.
- Apply using standard slurry or mist-type seed treatment equipment. Uniform application of seed is necessary to ensure seed safety and best disease protection. Product should be diluted with sufficient water to ensure complete seed coverage. Consult a seed treatment specialist regarding slurry rates recommended for the crop to be treated with **Avixio D-342**. For best results, apply to high quality, properly cleaned seed.
- When reference is made to disease suppression, suppression can mean either erratic control from good to fair or consistent control at a level below that obtained with the best commercial disease control products.
- Under conditions conducive to extended infection periods or high disease pressure, additional fungicide applications beyond the number allowed by this label may be needed. Under these conditions use another fungicide registered for the crop/disease.
- Equipment must be properly calibrated before use.

USE RESTRICTIONS

- Do not use in hopper box, planter box, slurry box, or other on-farm seed treatment applications.
- This product does not contain colorant. The purchaser of this product is responsible for ensuring that all seed treated with this product are adequately dyed with a suitable color to prevent its accidental use as food for man or feed for animals. Refer to 21CFR, Part 2.25. Any colorant added to treated seed must be cleared for use under 40CFR, Part 153.155.
- In California - Registered only for use in commercial seed treating establishments. Do not use for "on-farm" use.
- Store treated seeds away from food and feedstuffs.
- Do not allow children, pets, or livestock to have access to treated seed.
- Wear long-sleeved shirt, long pants, shoes, socks, and chemical-resistant gloves when handling treated seed.
- 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 by-products that are used in agronomic practice.
- Treated seeds exposed on soil surface may be hazardous to wildlife. Cover or collect treated seeds spilled during loading.

- Dispose of all excess treated seed. Leftover treated seed may be buried away from water sources in accordance with local requirements.
- Do not contaminate water bodies when disposing of planting equipment wash waters.
- Treated seed must be adequately covered with soil at planting. Plant at a minimum depth of 1/2 inch.
- Dispose of seed packaging or containers in accordance with local requirements. Do not use empty seed bags for any other purpose.
- To reduce seed dust which can drift onto blooming crops or weeds, ensure that planting equipment is functioning properly in accordance with manufacturer's recommendations. Surplus seed or empty seed containers must be stored or disposed according to local federal regulations.
- After the seeds have been planted, do not enter or allow worker entry into the treated areas during the restricted-entry interval (REI) of 12 hours. Exception: Once the seeds are planted in soil or other planting media, the Worker Protection Standard allows workers to enter the treated area without restriction if there will be no worker contact with the treated seeds in the soil or with the planting media.

Refer to the specific use directions and restrictions in each Crop, Crop Group or Crop Subgroup table.

ROTATIONAL RESTRICTIONS

Treated areas may be replanted with any crop specified on this label as soon as practical after last application. For crops not listed on this label, do not plant back within 30 days of last application.

RESISTANCE MANAGEMENT

For resistance management, **Avixio D-342** contains a Group 3 fungicide. Any fungal population may contain individuals naturally resistant to **Avixio D-342** and other Group 3 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.

To delay fungicide resistance, take the following steps:

- Rotate the use of **Avixio D-342** or other Group 3 fungicides within a growing season with different groups that control the same pathogens.
- Use tank mixtures with fungicides from a different group that are equally effective on the target pest when such use is permitted. Use at least the minimum application rate as labeled by the manufacturer.
- Adopt an integrated disease management program for fungicide use that includes scouting, uses historical information related to pesticide use, crop rotation, and which considers host plant resistance, impact of environmental conditions on disease development, disease thresholds, as well as cultural, biological and other chemical control practices.
- Monitor treated fungal populations for resistance development.
- Contact your local extension specialist or certified crop advisor for any additional pesticide resistance-management and/or IPM recommendations for specific crops and pathogens.
- For further information or to report suspected resistance contact Atticus, LLC at 984-465-4800.

SPECIFIC CROP USE DIRECTIONS APPLICATION DIRECTIONS FOR SEED TREATMENT

ALFALFA*				
DISEASES CONTROLLED	RATE OF AVIXIO D-342			
	Seeds/lb.	Seeds/A	Fl. oz./100 lbs. Seed	Mg a.i./Seed
Seed rot and damping-off caused by <i>Rhizoctonia</i>	213,000	3,405,000	0.48	0.0003
• If using a seeding rate of 3,405,000 seeds per acre, the maximum annual application rate for alfalfa seed treatment is 0.002 lb. a.i./A.				
*Not Registered for use by California.				

BEANS AND PEAS (DRIED) INCLUDING SOYBEAN (CROP GROUP 6C)*					
Soybean, Adzuki Bean, Black-eyed Pea, Broad Bean, Catjang, Chickpea, Cowpea, Crowder Pea, Field Bean, Field Pea, Guar, Kidney Bean, Lablab Bean, Lentil, Lima Bean, Moth Bean, Mung Bean, Navy Bean, Pigeon Pea, Pinto Bean, Rice Bean, Southern Pea, Tepary Bean, Urd Bean					
DISEASES CONTROLLED	CROPS	RATE OF AVIXIO D-342			
		Seeds/lb. ¹	Seeds/A	Fl. oz./100 lbs. Seed	Mg a.i./Seed
Seed rot and damping-off caused by <i>Rhizoctonia</i> , <i>Fusarium</i> ; Seed decay	Beans and peas, dry	1,307	130,680	0.16 - 0.32	0.017 - 0.035
	Soybean	3,000	250,000	0.16 - 0.32	0.008 - 0.015
• The maximum annual application rate for prothioconazole on beans and peas (dried) is 0.534 lb. a.i./A per year for all methods of application, including foliar and seed treatment.					
• The maximum annual application rate for prothioconazole on soybeans is 0.53 lb. a.i./A per year for all methods of application, including foliar and seed treatment.					
¹ Seed/lb. values based on averages.					
*Not Registered for use by California.					

CEREAL GRAINS*

Barley, Buckwheat, Millet (Pearl and Proso), Oats, Rye, Triticale, Wheat, Corn and Rice (see **Corn** and **Rice** tables)

DISEASES CONTROLLED	CROPS	RATE OF AVIXIO D-342			
		Seeds/lb. ¹	Seeds/A	Fl. oz./100 lbs. Seed	Mg a.i./Seed
Common bunt; Covered smut; False loose smut; Flag smut; Leaf stripe; Loose smut; Stinking smut; Stem smut; True loose smut; Seed rot, pre-emergence damping-off; and seedling blight caused by soilborne <i>Rhizoctonia solani</i> , <i>Fusarium</i> , <i>Cochliobolus</i> ; Seed decay; Common root rot, foot rot, and crown rot (Early season suppression); Rust, Septoria and powdery mildew (Early season suppression)	Barley	11,700	921,200	0.16 - 0.80	0.002 - 0.010
	Buckwheat	12,907	696,960	0.16 - 0.80	0.002 - 0.010
	Millet (Pearl)	212,500	1,700,000	0.16 - 0.80	0.0001 - 0.0005
	Millet (Proso)	58,334	1,400,000	0.16 - 0.80	0.0004 - 0.002
	Oats	15,572	1,170,000	0.16 - 0.80	0.0014 - 0.007
	Rye	22,500	1,620,000	0.16 - 0.80	0.001 - 0.005
	Triticale	18,840	1,653,000	0.16 - 0.80	0.0012 - 0.006
	Wheat	13,775	1,500,000	0.16 - 0.80	0.0016 - 0.008

Note:

- The maximum annual application rate for prothioconazole on buckwheat, millet (pearl and proso), oats, and rye is 0.178 lb. a.i./A per year for all methods of application, including foliar and seed treatment.
- The maximum annual application rate for prothioconazole on barley, triticale and wheat is 0.293 lb. a.i./A per year for all methods of application, including foliar and seed treatment.
- For environments with Pythium pressure, combine **Avixio D-342** with a flowable seed treatment fungicide containing metalaxyl at rates recommended on label.

¹Seed/lb. values based on averages.

*Not Registered for use by California.

COTTON

DISEASES CONTROLLED	RATE OF AVIXIO D-342				
	Seeds/lb.	Seeds/A	Fl. oz./100 lbs. Seed ¹	Fl. oz./100,000 Seed	Mg a.i./Seed
Seedborne decay caused by <i>Fusarium</i> spp., <i>Aspergillus</i> spp., <i>Cladosporium</i> spp., <i>Penicillium</i> spp., <i>Alternaria</i> spp. Soilborne seedling disease caused by <i>Fusarium</i> spp., <i>Rhizoctonia solani</i>	4,500	85,000	0.15 - 0.40	0.035 - 0.090	0.005 - 0.013
Seedling disease caused by heavy infestations of <i>Fusarium</i> spp. and <i>Rhizoctonia solani</i>	4,500	85,000	0.40 - 0.81	0.090 - 0.18	0.013 - 0.026

Crop Specific Directions and Restrictions:

- The maximum annual application rate for prothioconazole on cotton is 0.534 lb. a.i./A per year for all methods of application, including foliar and seed treatment.

¹Application rate specified for planting rate range of 29,000 - 85,000 cotton seed per acre.

CORN* (Field Corn, Field Corn Grown for Seed, Popcorn, and Sweet Corn)						
DISEASES CONTROLLED	CROPS	RATE OF AVIXIO D-342				
		Seeds/lb.¹	Seeds/A	Fl. oz./ 100 lbs. Seed	Fl. oz./ 80,000 Seed Unit	Mg a.i./Seed
To aid in the control or suppression of seedborne disease a seedling disease caused by <i>Fusarium</i> spp. and <i>Rhizoctonia solani</i>	Field Corn, Field Corn Grown for seed	1,681	40,250	0.08 - 0.8	0.038 - 0.381	0.007 - 0.067
	Popcorn	3,061	30,000	0.08 - 0.8	0.021 - 0.210	0.004 - 0.037
	Sweet Corn	3,150	59,739	0.08 - 0.8	0.020 - 0.203	0.004 - 0.036
For the suppression of late season stalk diseases caused by <i>Fusarium</i> spp. Assists in control of seedborne and soilborne <i>Sphacelotheca reiliana</i>	Field Corn, Field Corn Grown for seed	1,681	40,250	0.96 - 3.83	0.457 - 1.824	0.081 - 0.323
	Popcorn	3,061	30,000	0.96 - 3.83	0.251 - 1.001	0.044 - 0.177
	Sweet Corn	3,150	59,739	0.96 - 3.83	0.244 - 0.973	0.043 - 0.172
<ul style="list-style-type: none"> The maximum annual application rate for prothioconazole on corn (field, pop and sweet) is 0.713 lb. a.i./A per year for all methods of application, including foliar and seed treatment. ¹ Seed/lb. values based on averages for Field Corn, Popcorn, and Sweet Corn. *Not Registered for use by California.						

RICE*				
DISEASES CONTROLLED	RATE OF AVIXIO D-342			
	Seeds/lb.¹	Seed/A	Fl. oz./100 lbs. Seed	Mg a.i./Seed
Seed rot and damping-off caused by <i>Rhizoctonia</i> and <i>Fusarium</i> ; Seed decay	21,850	2,438,360	0.16 - 0.32	0.001 - 0.002
Notes and Restrictions: <ul style="list-style-type: none"> The maximum annual application rate for prothioconazole on rice is 0.141 lb. a.i./A per year for all methods of application, including foliar and seed treatment. Do not plant treated rice seed directly into a flooded field. Do not soak treated rice seed. ¹ Seed/lb. values based on averages. *Not Registered for use by California.				

SORGHUM*					
DISEASES CONTROLLED	RATE OF AVIXIO D-342				
	Seeds/lb.	Seed/A	Fl. oz./100 lbs. Seed	Fl. oz./100,000 Seeds	Mg a.i./Seed
Seedborne and soilborne fungi which cause seed decay, damping-off and seedling blight including the following: <i>Fusarium</i> spp.; <i>Aspergillus</i> spp.; <i>Alternaria</i> spp.; <i>Cladosporium</i> spp.; <i>Penicillium</i> spp.	11,000	25,000 - 100,000	0.08 - 0.32	0.007 - 0.029	0.0010 - 0.0041
	25,000	25,000 - 100,000	0.08 - 0.32	0.003 - 0.013	0.0005 - 0.0018
Crop Specific Directions and Restrictions: <ul style="list-style-type: none"> If using a seeding rate of 25,000 seeds per acre, the maximum yearly application rate for sorghum seed treatment is 0.0001 lb. a.i./A. If using a seeding rate of 100,000 seeds per acre, the maximum yearly application rate for sorghum seed treatment is 0.0009 lb. a.i./A. Plant treated sorghum seed at a minimum depth of 1/2 inch. *Not Registered for use by California.					

SEED BAG TAG

The Federal Seed Act requires that the container of seed treated with **Avixio D-342** must be labeled with the following statements:

- This seed has been treated with **Avixio D-342**, A fungicide containing Prothioconazole.
- Do not use treated seed for food, feed, or oil production.

In addition, the following statements are required on the container of seed treated with **Avixio D-342**:

- Treated areas may be replanted with any crop specified on this label as soon as practical after last application. For crops not listed on this label, do not plant back within 30 days of last application.
- Store treated seeds away from food and feedstuffs.
- Do not allow children, pets, or livestock to have access to treated seed.
- When opening this bag or loading/pouring the treated seed/seed-pieces, wear long-sleeved shirt, long pants, shoes, socks, and chemical-resistant gloves when handling treated seed. (additional coveralls required for treatment of corn seeds.)
- 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 by-products that are used in agronomic practice.
- 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)
- **DO NOT** plant treated seed by broadcasting to the soil surface. Ensure that all planted seeds are thoroughly incorporated by the planter during planting, additional incorporation may be required to thoroughly cover exposed seeds.
- Dispose of all excess treated seed. Leftover treated seed may be buried away from water sources in accordance with local requirements.
- Do not contaminate water bodies when disposing of planting equipment wash waters.
- Treated at manufacturer's recommended rate.
- Plant treated seed into the soil to a minimum depth of 1/2 inch or greater to minimize exposure.
- Dispose of seed packaging or containers in accordance with local requirements. Do not use empty seed bags for any other purpose.
- To reduce seed dust which can drift onto blooming crops or weeds, ensure that planting equipment is functioning properly in accordance with manufacturer's recommendations. Surplus seed or empty seed containers must be stored or disposed according to local federal regulations.
- After the seeds have been planted, do not enter or allow worker entry into the treated areas during the restricted-entry interval (REI) of 12 hours. Exception: Once the seeds are planted in soil or other planting media, the Worker Protection Standard allows workers to enter the treated area without restriction if there will be no worker contact with the treated seeds in the soil or with the planting media.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in a tightly closed container in a cool, dry place. Store in original container and out of reach of children, preferably in a locked storage area.

PESTICIDE DISPOSAL: Pesticide spray mixture or rinsate that cannot be used should be disposed of in a landfill approved for pesticides. Improper disposal of excess pesticide spray mixture or rinsate is a violation of Federal law. If these wastes cannot be disposed of by the use 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.

CONTAINER HANDLING:

For plastic containers ≤ 5 gallons: Nonrefillable 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 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 other procedures allowed by state and local authorities.

For plastic containers > 5 gallons: Nonrefillable 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 1/4 full with water. Recap 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 other procedures allowed by state and local authorities.

LIMITATION OF WARRANTY AND LIABILITY

IMPORTANT: READ BEFORE USE. Read the entire Directions for Use, Conditions of Warranties and Limitations of Liability before using this product. If these terms and conditions are not acceptable, return the unopened product container at once. By using this product, user or buyer accepts the following Disclaimer of Warranties and Limitations of Liability. **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. Ineffectiveness, injury, and other unintended consequences may result because of such factors as manner of use or application (including misuse), the presence of other materials, weather conditions, and other unknown factors, all of which are beyond the control of ATTICUS, LLC. To the extent consistent with applicable law, all such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: To the extent consistent with applicable law, ATTICUS, LLC makes no other warranties, express or implied, of merchantability or of fitness for a particular purpose or otherwise, that extend beyond statements on this label. **LIMITATIONS OF LIABILITY:** To the extent consistent with applicable law, neither ATTICUS, LLC the manufacturer, nor the Seller shall be liable for any indirect, special, incidental or consequential damages resulting from the use, handling, application, storage, or disposal of this product. 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, handling, application, or storage of this product, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price paid.

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