



We create chemistry

Mefentrifluconazole	Group	3	Fungicide
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SPECIMEN

Relenya®

Seed Treatment

For commercial and on-farm use

Seed treatment for disease control in barley, buckwheat, millet, oats, rye, sorghum, soybean, triticale, and wheat

Active Ingredient*:

mefentrifluconazole: 2-[4-(4-chlorophenoxy)-2-(trifluoromethyl)phenyl]-1-(1H-1,2,4-triazole-1-yl)propan-2-ol 34.93%

Other Ingredients: 65.07%

Total: 100.00%

* Relenya® seed treatment contains 3.34 lbs mefentrifluconazole per gallon.

EPA Reg. No. 7969-405

EPA Est. No.

KEEP OUT OF REACH OF CHILDREN
CAUTION/PRECAUCION

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 inside for complete **First Aid, Precautionary Statements, Directions For Use, Conditions of Sale and Warranty**, and state-specific crop and/or use site restrictions.

In case of an emergency endangering life or property involving this product, call day or night 1-800-832-HELP (4357).

Net Contents:

FIRST AID	
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 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 by mouth to mouth, if possible. • Call a poison control center or doctor for further treatment advice.
If in eyes	<ul style="list-style-type: none"> • Hold eyes open and rinse slowly and gently with water for 15 to 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.
If on skin or clothing	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 to 20 minutes. • Call a poison control center or doctor for treatment advice.
HOTLINE 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 BASF Corporation for emergency medical treatment information: 1-800-832-HELP (4357).	

Precautionary Statements

Hazards to Humans and Domestic Animals

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

Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves (barrier laminate, butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, neoprene rubber ≥ 14 mils, or viton ≥ 14 mils)
- Shoes plus socks

Follow the manufacturer's instructions for cleaning and 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 put on clean clothing.
- Remove clothing/PPE immediately after handling this product. As soon as possible, wash thoroughly and change into clean clothing.

Environmental Hazards

This pesticide is toxic to fish and aquatic invertebrates. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas.

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.

This product may impact surface water quality because of runoff of rainwater. This is especially true for poorly draining soils and soils with shallow groundwater.

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 is classified as having high potential for reaching aquatic sediment via runoff for several months or more after application. Poorly draining soils and soils with shallow water tables are more prone to produce runoff that contains this product. 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 this active ingredient or its degradates from runoff water and sediment. Runoff of this product will be reduced by avoiding application when rainfall is forecast to occur within 48 hours.

Sound erosion control practices will reduce this product's potential to reach aquatic sediment via runoff.

Directions For Use

It is a violation of federal law to use this product in a manner inconsistent with its labeling. This labeling must be in the user's possession during application. Read the entire **Directions For Use** and **Conditions of Sale and Warranty** before using 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.

Relenya® seed treatment is not for sale, distribution, or use in **Nassau and Suffolk counties in New York State**.

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), restricted-entry interval, and notification to workers. 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**.

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 (made of any waterproof material)
- Shoes plus socks

STORAGE AND DISPOSAL

DO NOT contaminate water, food, or feed by storage or disposal.

Pesticide Storage

Store in original containers only. Keep container closed when not in use. **DO NOT** store near food or feed.

Pesticide Disposal

Wastes resulting from using this product may be disposed of on-site or at an approved waste disposal facility. If these wastes cannot be disposed of according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representatives at the nearest EPA Regional Office for guidance.

Container Handling

Nonrefillable Container. DO NOT reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying; then offer for recycling, if available, or reconditioning, if appropriate, or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

Triple rinse containers small enough to shake (capacity ≤ 5 gallons) 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.

Triple rinse containers too large to shake (capacity > 5 gallons) as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 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.

Pressure rinse as follows: Empty the remaining contents into application equipment or 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.

(continued)

STORAGE AND DISPOSAL *(continued)*

Container Handling *(continued)*

Refillable Container. Refill this container with pesticide only. **DO NOT** reuse this container for any other purpose. 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.

Triple rinse as follows: To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10% 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.

When this container is empty, replace the cap and seal all openings that have been opened during use; return the container to the point of purchase or to a designated location. This container must only be refilled with a pesticide product. Prior to refilling, inspect carefully for damage such as cracks, punctures, abrasions, worn-out threads and closure devices. Check for leaks after refilling and before transport. **DO NOT** transport if this container is damaged or leaking. If the container is damaged, or leaking, or obsolete and not returned to the point of purchase or to a designated location, triple rinse emptied container and offer for recycling, if available, or dispose of container in compliance with state and local regulations.

In Case of Emergency

In case of large-scale spill of this product, call:

- CHEMTREC 1-800-424-9300
- BASF Corporation 1-800-832-HELP (4357)

In case of medical emergency regarding this product, call:

- Your local doctor for immediate treatment
- Your local poison control center (hospital)
- BASF Corporation 1-800-832-HELP (4357)

Steps to take if material is released or spilled:

- In case of spill on floor or paved surfaces, mop and remove to chemical waste storage area until proper disposal can be made if product cannot be used according to label.
- Dike and contain the spill with inert material (sand, earth, etc.) and transfer liquid and solid diking material to separate containers for disposal.
- Remove contaminated clothing and wash affected skin areas with soap and water.
- Wash clothing before reuse.
- Keep the spill out of all sewers and open bodies of water.

Product Information

Relenya® seed treatment is a broad-spectrum liquid seed treatment fungicide that protects specified seed and seedlings from certain seedborne and soilborne diseases.

Refer to **Detailed Use Directions** for specific crop uses and diseases controlled or suppressed. Disease symptoms such as seed rot, seedling rot, seedling blight, root rot, and damping-off (preemergence or postemergence) can be associated with the actions of various fungal pathogens. Use the higher specified rates of **Relenya® seed treatment** when disease is expected to be high.

Mode of Action

Mefentrifluconazole, the active ingredient in **Relenya® seed treatment**, inhibits demethylation of sterol biosynthesis (DMI), which disrupts cell membrane synthesis and is classified by the Fungicide Resistance Action Committee (FRAC) as a **Group 3** fungicide.

Resistance Management

For resistance management, **Relenya® seed treatment** contains a **Group 3** fungicide. Any fungal population may contain individuals naturally resistant to **Relenya® seed treatment** 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 one or more of the following steps:

- Rotate the use of **Relenya® seed treatment** or other **Group 3** fungicides within a growing season sequence 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, and 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.
- Where possible, make use of predictive disease models to effectively time fungicide applications. Note that using predictive models alone is not sufficient to manage resistance.
- Monitor treatment area for lack of biological efficacy that might indicate possible resistance development.
- Contact your local extension specialist or certified crop advisor for any additional pesticide resistance-management and/or **Integrated Pest Management (IPM)** recommendations for specific crops and pathogens.
- For further information or to report suspected resistance consult your local BASF representative, extension specialist, or certified crop advisor.

Application Instructions

- Use **Relenya® seed treatment** in commercial seed treatment facilities and on-farm systems with commercial or professional seed treatment application equipment only.
- **Restriction: DO NOT** apply with planting application equipment (e.g. hopper box, planter box, slurry box, and on-farm seed treaters, etc.).
- Use good quality, well-conditioned seed free of chaff.
- Thorough and uniform seed coverage is required for optimum performance.
- Mix only as much product as is needed for immediate application to seed. Apply at specified rates.
- Apply the water-based mixture using standard slurry or mist-type seed treatment application equipment. Consult a seed treatment specialist about crop-specific slurry rates and seed treatment calibration and operation procedures.

Use Restriction: When using formulations that do not contain dye, to comply with 40 CFR 153.155, all seed treated with a pesticide must be colored to distinguish and prevent subsequent inadvertent use as a food for man or feed for animals.

The buyer of **Relenya® seed treatment** is responsible for ensuring all seed treated with this product is adequately dyed with a suitable color to prevent accidental use as food for man or feed for animals. Refer to 21CFR, Part 2.25.

Relenya® seed treatment is not for sale, distribution, or use in **Nassau and Suffolk counties in New York State.**

Tank Mixing Other Products

When using **Relenya® seed treatment** in tank mix with other seed treatment products, always follow the most restrictive label use directions.

Compatibility Test

Before mixing components, always perform a compatibility jar test.

1. Add all intended seed treatment products and the appropriate amount of water in a clear glass jar.
2. Mix well and allow to sit for one hour.
3. Remix and observe for physical incompatibility.

Also test with the seed to ensure the combination of tank mix products does not have detrimental effects on the seed.

Mixing Order

Mechanical agitation is required to thoroughly mix **Relenya® seed treatment**. Maintain agitation until the entire slurry mixture has been used.

1. **Water** - To a thoroughly clean mix tank, add 3/4 the required water volume and begin agitation.
2. **Dye or colorant**
3. **Wettable powders**
4. **Soluble powders**
5. **Flowable formulations** (such as **Relenya® seed treatment**)
 - **Containers 5 gallons or less: Shake well before adding to the tank.**
 - **Containers more than 5 gallons: Recirculate before adding to the tank.**
 - Consult a BASF representative for additional information regarding agitation and recirculation.
6. **Emulsifiable concentrates**
7. **Remaining quantity of water** (can be used as rinsate for the chemical container or to adjust total slurry to compensate for water displacement by powdered products)
8. 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.

Ensure seed is dry before bagging.

Detailed Use Directions

Labeled Crops

- Use higher specified rates when disease pressure is expected to be high.
- **DO NOT** use treated seed for food, feed, or oil production.
- **DO NOT** store **Relenya® seed treatment** near food and feedstuffs.
- **DO NOT** contaminate feed or foodstuffs.
- **DO NOT** contaminate domestic or irrigation waters.
- **DO NOT** plant crops within 30 days after planting **Relenya® seed treatment**-treated seed.
- **DO NOT** use the same auger or seed treatment equipment for treating seed that will handle commercial or feed grains unless these have been thoroughly cleaned.
- **DO NOT** store leftover treated seed where there is a chance of it becoming mixed with untreated seed. Store treated seed in cool, dry conditions.

SEED BAG LABEL REQUIREMENTS

The Federal Seed Act requires that containers containing treated seeds shall be labeled with the following statements:

- This seed has been treated with **Relenya® seed treatment** containing mefentrifluconazole. **DO NOT** use treated seed for food, feed or oil purposes.

The U.S. Environmental Protection Agency requires the following statements on containers containing seed treated with mefentrifluconazole:

- Store treated seed away from food and feedstuffs.
- **DO NOT** allow children, pets or livestock to have access to treated seed.
- When opening this bag or handling (e.g. loading, pouring) treated seed wear:
 - Long pants and long-sleeved shirt
 - Shoes and socks
 - Chemical-resistant gloves made of any waterproof material
- Treated seed exposed on soil surfaces may be hazardous to wildlife.
 - Cover or collect spillage during loading and planting, in particular at row ends and field corners.
 - Dispose of excess by burying away from bodies of water.
- **DO NOT** contaminate bodies of water 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:
 - By-products are not used for livestock feed.
 - No measurable residues of pesticide remain in ethanol by-products that are used in agronomic practice.
- Plant into the soil to at least the minimum depth to minimize exposure.
- **DO NOT** enter or allow worker entry into areas with treated seeds during the restricted-entry interval (REI) of 12 hours, with the exception that workers may enter if they will have no contact with the soil/media subsurface.
- **DO NOT** plant crops within 30 days after planting **Relenya® seed treatment**-treated seed.

Specified Small Grains

Disease Controlled	Rate/Weight Seed	
	fl oz/100 lbs seed (lb ai/100 lbs seed)	mL/100 Kg seed (grams ai/100 Kg seed)
13,000 seeds/lb <ul style="list-style-type: none"> • Common root rot <i>Bipolaris sorokiniana</i> • Seed and seedling disease <ul style="list-style-type: none"> - Common bunt <i>Tilletia caries</i> - Dwarf bunt <i>Tilletia controversa</i> - Disease caused by <i>Fusarium</i> spp. - Disease caused by <i>Rhizoctonia solani</i> 	0.2 to 0.4 (0.005 to 0.01)	12.5 to 25 (5 to 10)

Restriction: DO NOT exceed 0.4 fl oz/100 lbs seed (0.01 lb ai/100 lbs seed) or 25 mL/100 kg seed (10 grams ai/100 kg seed).

Detailed Crop List - barley, buckwheat, oats, rye, triticale, wheat.

Sorghum and Millet

Disease Controlled	Rate/Weight Seed	
	fl oz/100 lbs seed (lb ai/100 lbs seed)	mL/100 Kg seed (grams ai/100 Kg seed)
14,500 seeds/lb* 84,000 seeds/lb** <ul style="list-style-type: none"> - Disease caused by <i>Fusarium</i> spp. - Disease caused by <i>Rhizoctonia solani</i> 	0.2 to 0.4 (0.005 to 0.01)	12.5 to 25 (5 to 10)

Restriction: DO NOT exceed 0.4 fl oz/100 lbs seed (0.01 lb ai/100 lbs seed) or 25 mL/100 kg seed (10 grams ai/100 kg seed).

Detailed Crop List - sorghum (milo)*, millet (pearl, proso)**.

Soybean

Disease Controlled		Rate/Weight Seed	
		fl oz/100 lbs seed (lb ai/100 lbs seed)	mL/100 Kg seed (grams ai/100 Kg seed)
2,800 seeds/lb	<ul style="list-style-type: none"> • Seed and seedling disease - Disease caused by <i>Fusarium</i> spp. - Disease caused by <i>Rhizoctonia solani</i> 	0.2 to 0.8 (0.005 to 0.02)	12.5 to 50 (5 to 20)

Restriction: DO NOT exceed 0.8 fl oz/100 lbs seed (0.02 lb ai/100 lbs seed) or 50 mL/100 kg seed (20 grams ai/100 kg seed).

Conditions of Sale and Warranty

The **Directions For Use** of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and must be followed carefully. However, 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 the presence of other or untested or unapproved materials, seed of low quality or low vigor or low germination, use of the product in a manner inconsistent with its labeling, misapplication of the product, or weather conditions at planting or environmental conditions during seed storage, all of which are beyond the control of BASF CORPORATION ("BASF") or the Seller. To the extent consistent with applicable law, all such risks shall be assumed by the Buyer.

BASF warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the **Directions For Use**, subject to the inherent risks, referred to above.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BASF MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BUYER'S EXCLUSIVE REMEDY AND BASF'S EXCLUSIVE LIABILITY, WHETHER IN CONTRACT, TORT, NEGLIGENCE, STRICT LIABILITY, OR OTHERWISE, SHALL BE LIMITED TO REPAYMENT OF THE PURCHASE PRICE OF THE PRODUCT.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BASF AND THE SELLER DISCLAIM ANY LIABILITY FOR CONSEQUENTIAL, EXEMPLARY, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

BASF and the Seller offer this product, and the Buyer and User accept it, subject to the foregoing **Conditions of Sale and Warranty** which may be varied only by agreement in writing signed by a duly authorized representative of BASF.

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We create chemistry