



We create chemistry

Votivo[®] 240 FS

Intended for: Biological seed treatment for the protection against soil plant pathogenic nematodes

Active Ingredient:

Bacillus firmus I-1582 † 19.35%

Other Ingredients: 80.65%

Total: 100.00%

† Contains 2.00 lbs *Bacillus firmus* I-1582 per U.S. gallon (240 grams AI/liter)

Contains a minimum of 4.8×10^9 cfu/ml

EPA Reg. No. 7969-442

EPA Est. No.

KEEP OUT OF REACH OF CHILDREN

CAUTION

**For MEDICAL and TRANSPORTATION Emergencies ONLY call 24 hours a day
1-800-832-HELP (4357).**

Net Contents:

BASF Agricultural Solutions US LLC
2 TW Alexander Drive
Research Triangle Park, NC 27713

FIRST AID	
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 eyes. • Call a poison control center or doctor for treatment advice.
In case of emergency, call toll free BASF Agricultural Solutions US LLC (hereafter "BASF") 1-800-832-HELP (4357). Have a product container or label with you when calling a poison control center or doctor or going for treatment.	

Precautionary Statements
<p>Hazards to Humans and Domestic Animals</p> <p>CAUTION. Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash face, hands, and arms thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.</p> <p>Personal Protective Equipment (PPE)</p> <p>Workers involved with treating the seed (e.g. connecting and disconnecting hoses and transfer pumps, mixing, equipment calibration, etc.) and others exposed to the concentrate, and cleaners/repairers of seed treatment equipment must wear:</p> <ul style="list-style-type: none"> • Long-sleeve shirt and long pants • Shoes plus socks • Dust/mist filtering respirator meeting NIOSH standards of at least N-95, R-95, or P-95 <p>Baggers and bag sewers must wear:</p> <ul style="list-style-type: none"> • Long-sleeve shirt and long pants • Shoes plus socks • Dust/mist filtering respirator meeting NIOSH standards of at least N-95, R-95, or P-95 <p>Engineering Controls</p> <p>When engineering controls that meet the OSHA requirements as defined in 29 CFR Part 1910.1000 are used, the respirator requirement may be waived or modified as specified in 29 CFR Part 1910.1000.</p> <p>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.</p>
USER SAFETY RECOMMENDATIONS
<p>Users should:</p> <ul style="list-style-type: none"> • 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. As soon as possible, wash thoroughly and change into clean clothing.

Environmental Hazards
DO NOT contaminate water when disposing of equipment washwater or rinsate.
Directions For Use
<p>It is a violation of federal law to use this product in a manner inconsistent with its labeling. Read the entire label before using this product.</p> <p>For use only in commercial seed treatment equipment. Not for use in hopper box, planter box, slurry box, or other on-farm seed treatment applications.</p>
STORAGE AND DISPOSAL
DO NOT contaminate water, food, or feed by storage, disposal, or cleaning of equipment.
<p>Pesticide Storage</p> <p>Store in cool, dry conditions.</p> <p>Pesticide Disposal</p> <p>Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.</p> <p>Container Handling</p> <p>Dilutable Seed Treatment Products in Nonrefillable Plastic Containers</p> <p>Rigid nonrefillable containers equal to or less than 5 gallons</p> <p>Nonrefillable Container. DO NOT reuse or refill this container. Offer for recycling, if available. Triple rinse or pressure rinse container (or equivalent) promptly after emptying.</p> <p>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.</p>

(continued)

STORAGE AND DISPOSAL *(continued)*

Container Handling *(continued)*

Dilutable Seed Treatment Products in Nonrefillable Plastic Containers *(continued)* **Rigid nonrefillable containers equal to or less than 5 gallons *(continued)***

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

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

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

Nonrefillable Container. DO NOT reuse or refill this container. After emptying product from container, either return container to BASF, or rinse and either recycle or dispose of the container as follows:

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

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

Top discharge IBC, drums, kegs (e.g. Snyder 120 Next Gen, Bonar B120, drums, and kegs)

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

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

(continued)

STORAGE AND DISPOSAL *(continued)*

Container Handling *(continued)*

Dilutable Seed Treatment Products in Nonrefillable Metal Containers

Nonrefillable Container. DO NOT reuse or refill this container. After emptying product from container, either return container to BASF, or rinse and either recycle or dispose of the container as follows:

Liquid dilutables in containers small enough to shake (5 gallons or less)

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.

Solid dilutables in containers small enough to shake (5 gallons or 50 pounds or less)

Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. 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.

Any dilutable pesticides in containers too large to shake (larger than 5 gallons or 50 pounds)

Triple rinse as follows: Empty 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.

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

(continued)

STORAGE AND DISPOSAL *(continued)*

Container Handling *(continued)*

Nondilutable Seed Treatment Products in Nonrefillable Containers

Seed treatment products in nonrefillable fiber drums with liners

Nonrefillable Container. DO NOT reuse or refill this container. Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment, then offer for recycling if available or dispose of in a sanitary landfill or by incineration. If drum is contaminated and cannot be reused, dispose of it in the manner required for its liner.

Seed treatment products in nonrigid nonrefillable containers

Nonrefillable Container. DO NOT reuse or refill this container. Completely empty container into application equipment. Then offer for recycling, if available, or dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

Seed Treatment Products in Refillable Containers

Refillable Container. Refill this container with pesticide only. **DO NOT** reuse this container for any other purpose. After emptying product from container, either return container to BASF, or rinse and either recycle or dispose of the container as follows:

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

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

(continued)

STORAGE AND DISPOSAL *(continued)*

Container Handling *(continued)*

Seed Treatment Products in Refillable Containers *(continued)*

Top discharge IBC, drums, kegs (e.g. Snyder 120 Next Gen, Bonar B120, drums, and kegs)

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

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

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

Product Information and Instructions

Votivo® 240 FS

- Biological seed treatment that, when applied to seed, colonizes the developing root system and provides early season protection from plant pathogenic nematodes that attack the root. As a result of this biological protection, a vigorous root system is established by the plant, which often results in more uniform plants and greater yields.
- Recommended for use with BASF seed applied insecticides and fungicides for complete pest protection.
- In areas of high nematode infestation, additional control measures may be warranted.
- Apply **Votivo 240 FS** as water-based slurry either alone or with other registered seed treatment insecticides and fungicides through standard slurry or mist commercial seed treatment equipment.
- Can be tank mixed with other seed treatments in accordance with the most restrictive label limitations and precautions of all products used in the mixture.
- **All seed treated with this product must be colored with an EPA-approved dye or colorant that imparts an unnatural color to the seed to help prevent the inadvertent use of treated seed for food, feed, or oil purposes.**

Use Restrictions

- All seed treated with this product cannot be used for or mixed with food or animal seed, or processed for oil.
- Treated seed must be labeled in accordance with the requirements of the Federal Seed Act.
- **DO NOT** exceed any label dosage rates.
- This product cannot be mixed with any product containing a label prohibition against such mixing. Pretest for compatibility with other seed treatment products.

Refer to the specific use directions and restrictions in each crop, crop group, or crop subgroup table.

Compatibility

To determine the physical compatibility with other seed-applied products, use a jar test. Add **Votivo® 240 FS** at the recommended label rate to a clean quart jar containing approximately 1/2 the amount of water intended for a final slurry application rate. Next, follow with all other tank mix components that will be used in the total slurry application. Add last the remaining balance of water. The total amount of volume is determined by the seed size and how much is necessary to ensure complete and uniform coverage and distribution on the seed, as well as the type of commercial seed treating application equipment that will be used.

Mixing Instructions

- When applied with seed treatment application equipment designed to treat seed utilizing a treatment slurry mixture, add approximately 1/2 to 2/3 of the required water to the treatment slurry tank followed by the accompanying seed treatment products and **Votivo 240 FS**.
- The order of product addition is dependent on the accompanying seed treatment products used.
- Allow each slurry component to disperse completely prior to the next addition until a uniform suspension is obtained.
- After all slurry components have been added and dispersed completely, add the remaining 1/2 to 1/3 of required water for proper slurry volume and mix until uniform.
- **DO NOT** store mixed slurries for greater than 72 hours.
- Maintain adequate agitation until treatment slurry is applied.

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

Specific Crop Directions

Corn (field corn, popcorn, sweet corn)

Pest	Product Rate
Nematodes	<p>Apply at 0.0014 to 0.014 fl oz/1,000 seeds (0.042 to 0.417 ml/1,000 seeds)</p> <p>For field corn: Apply 0.113 to 1.13 fl ozs/80,000 seeds (3.3 to 33.3 ml/80,000 seeds)</p>

Cotton

Pest	Product Rate
Nematodes	<p>Apply at 0.0014 to 0.014 fl oz/1,000 seeds (0.042 to 0.417 ml/1,000 seeds)</p> <p>For cotton seed: Apply 0.35 to 3.52 fl ozs/250,000 seeds (10.41 to 104.17 ml/250,000 seeds)</p>

Soybeans

Pest	Product Rate
Nematodes	<p>Apply at 0.0014 to 0.014 fl oz/1,000 seeds (0.042 to 0.417 ml/1,000 seeds)</p> <p>For soybeans: Apply 0.197 to 1.97 fl ozs/140,000 seeds (5.80 to 58.33 ml/140,000 seeds)</p>

SEED TAG LABELING

The Federal Seed Act requires that the container of seed treated with **Votivo® 240 FS** must be labeled with the following statements:

- This seed has been treated with **Votivo® 240 FS**, which contains **19.35% *Bacillus firmus* I-1582**.
- **DO NOT** use treated seed for food, feed, or oil production. User is responsible for ensuring that the seed bag meets all the requirements under the Federal Seed Act.

In addition, the US Environmental Protection Agency requires the following statements on the container of seed treated with **Votivo® 240 FS**:

- **Store treated seeds away from food and feedstuffs.**
- **DO NOT allow children, pets, or livestock to have access to treated seed.**
- **Wear gloves, long-sleeve shirt and long pants 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 washwater.
- Treated at manufacturer's recommended rate.
- Treated seed must be adequately covered with soil at planting.
- 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 should be stored or disposed according to state or local regulations.

For Medical, Transportation, or Other Emergencies ONLY call 24 hours a day 1-800-832-HELP (4357).

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 Agricultural Solutions US LLC ("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