



We create chemistry

Votivo[®] FS

Biological seed treatment for the protection against soil plant pathogenic nematodes

Active Ingredient:

Bacillus firmus I-1582 † 21.5%

Other Ingredients: 78.5%

Total: 100.0%

† Contains 2.0 lbs *Bacillus firmus* I-1582 per U.S. gallon (240 grams per liter)

Contains a minimum of 4.8×10^9 cfu/ml

EPA Reg. No. 7969-437

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.
<p>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.</p>	

Precautionary Statements

Hazards to Humans and Domestic Animals

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.

Personal Protective Equipment (PPE)

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:

- Long-sleeve shirt and long pants
- Shoes plus socks
- Chemical-resistant (such as barrier laminate, butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, neoprene rubber ≥ 14 mils, polyvinyl chloride (PVC) ≥ 14 mils, or viton ≥ 14 mils) gloves
- Dust/mist filtering respirator meeting NIOSH standards of at least N-95, R-95, or P-95

Baggers and bag sewers must wear:

- 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

Engineering Controls Statement

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.

IMPORTANT: When reduced PPE is worn because a closed system is being used, handlers must be provided all PPE specified above for workers and have such PPE immediately available for use in an emergency, such as a spill or equipment breakdown.

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

DO NOT contaminate water when disposing of equipment washwater or rinsate.

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. Not for use in hopper box, planter box, slurry box, or other on-farm seed treatment applications.

Read the entire label and observe all label directions and precautions before use. **DO NOT** use this product except as directed on this label or on other supplemental labeling for this product.

STORAGE AND DISPOSAL

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

Pesticide Storage

Store in cool, dry conditions.

Pesticide Disposal

Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

Container Disposal

Containers with capacities equal to or less than 5 gallons

Nonrefillable Container. DO NOT reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying.

(continued)

STORAGE AND DISPOSAL *(continued)*

Container Disposal *(continued)*

Containers with capacities equal to or less than 5 gallons *(continued)*

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.

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.

Offer for recycling, if available, or puncture and dispose of in a sanitary landfill, or by incineration, or burning if allowed by state and local authorities. If burned, stay out of smoke.

Containers that are too large to shake (i.e., with capacities greater than 5 gallons)

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.

(continued)

STORAGE AND DISPOSAL *(continued)*

Container Disposal *(continued)*

Containers that are too large to shake (i.e., with capacities greater than 5 gallons) *(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. 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.

General Information

Votivo® FS is a 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. **Votivo FS** is 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.

Directions for Seed Treatment

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.

Treated seed must be labeled in accordance with the requirements of the Federal Seed Act.

For Use as a Seed Treatment

Apply **Votivo 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. **Votivo FS** 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. **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.

Compatibility

To determine the physical compatibility with other seed-applied products, use a jar test. Add **Votivo® 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 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.

Application Rates

Alfalfa	Apply at 0.0008 fl oz/1,000 seeds (0.024 ml/1,000 seeds).
Brassica (Cole) Leafy Vegetables	Broccoli (including Chinese and raab), Brussels sprouts, cabbage (including Chinese bok choy, Chinese napa and mustard), cauliflower, cavolo broccolo, collards, kale, kohlrabi, mizuna, mustard greens, mustard spinach, and rape greens. Apply at 0.007 to 0.014 fl oz/1,000 seeds (0.21 to 0.42 ml/1,000 seeds).
Bulb Vegetables	Garlic, leek, onion (dry bulb and green), shallot. Apply at 0.007 to 0.014 fl oz/1,000 seeds (0.21 to 0.42 ml/1,000 seeds).
Canola, Mustard Seed and Rapeseed	Apply at 0.0008 fl oz/1,000 seeds (0.024 ml/1,000 seeds).
Cereal Grains and Forage, Fodder, and Straw of Cereal Grains	Barley, buckwheat, corn (field, sweet and pop), millet, oats, rice, rye, sorghum, teosinte, triticale, wheat, wild rice. Apply at 0.007 to 0.014 fl oz/1,000 seeds (0.21 to 0.42 ml/1,000 seeds).
Cotton	Apply at 0.007 to 0.014 fl oz/1,000 seeds (0.21 to 0.42 ml/1,000 seeds).
Cucurbit Vegetables	Chayote (fruit), Chinese waxgourd, citron melon, cucumber, gherkin, edible gourd (includes hyotan, cucuzza, Chinese okra, and hechima), <i>Momordica</i> spp. (includes balsam apple, balsam pear, bitter melon, Chinese cucumber), muskmelon (includes true cantaloupe, cantaloupe, casaba, Crenshaw melon, golden pershaw melon, honeydew melon, honey balls, mango melon, Persian melon, pineapple melon, Santa Claus melon, and snake melon), pumpkin, summer squash (includes crookneck squash, scallop squash, straightneck squash, vegetable marrow, zucchini), winter squash (includes butternut squash, calabaza, hubbard squash), <i>Cucumis mixtar</i> , <i>Cucumis pepo</i> (includes acorn squash, spaghetti squash), watermelon (includes hybrids and/or varieties of <i>Citrullus lanatus</i>). Apply at 0.007 to 0.014 fl oz/1,000 seeds (0.21 to 0.42 ml/1,000 seeds).
Forage Legumes (except Alfalfa)	Clover, lespedeza, beans (for forage), soybeans (for forage), soybean hay, peanuts (for forage), peanut hay, peas (for forage), pea vine hay, cowpeas (for forage), cowpea hay, trefoil, vetch, and velvet beans (for forage). Apply at 0.007 to 0.014 fl oz/1,000 seeds (0.21 to 0.42 ml/1,000 seeds).
Fruiting Vegetables	Eggplant, groundcherry, pepino, pepper (including bell pepper, chili pepper, cooking pepper, pimento, sweet pepper), tomatillo, and tomato. Apply at 0.007 to 0.014 fl oz/1,000 seeds (0.21 to 0.42 ml/1,000 seeds).
Leafy Vegetables	Amaranth (leafy, Chinese spinach, tampala, cardoon, celery (including Chinese), celtuce, chervil, chrysanthemum (edible-leaved and garland), corn salad, cress (garden and upland), dandelion, dock, endive, Florence fennel (finocchio), lettuce (head and leaf), orach, parsley, purslane (garden and winter), radicchio, rhubarb, spinach (including New Zealand and vine), and Swiss chard. Apply at 0.007 to 0.014 fl oz/1,000 seeds (0.21 to 0.42 ml/1,000 seeds).
Legume Vegetables (except Soybean)	Adzuki bean, asparagus bean, blackeyed pea, broad bean (fava), catjang, chickpea (garbanzo bean), Chinese longbean, cowpea, Crowder pea, dwarf pea, edible-pod bean, English pea, field bean, field pea, garden pea, green pea, guar, jackbean, kidney bean, lima bean, lentil, lupin (grain, sweet, white and white sweet), moth bean, mung bean, navy bean, pigeon pea, rice bean, runner bean, snap bean, snow pea, southern pea, sugar snap pea, tepary bean, urd bean, yardlong bean, wax bean. Apply at 0.007 to 0.014 fl oz/1,000 seeds (0.21 to 0.42 ml/1,000 seeds).
Peanuts	Apply at 0.007 to 0.014 fl oz/1,000 seeds (0.21 to 0.42 ml/1,000 seeds).

(continued)

Application Rates *(continued)*

Root and Tuber Vegetables	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 (turnip-rooted), parsnip, potato, radish (includes oriental dalkon), rutabaga, salsify (includes black and Spanish), skirret, sweet potato, tanier, turmeric, turnip, yam bean (jicama, manioc pea), yam. Apply at 0.007 to 0.014 fl oz/1,000 seeds (0.21 to 0.42 ml/1,000 seeds).
Soybeans	Apply at 0.007 to 0.014 fl oz/1,000 seeds (0.21 to 0.42 ml/1,000 seeds).
Sunflowers	Apply at 0.007 to 0.014 fl oz/1,000 seeds (0.21 to 0.42 ml/1,000 seeds).
Tobacco	Apply at 0.007 to 0.014 fl oz/1,000 seeds (0.21 to 0.42 ml/1,000 seeds).
Turf and Forage Grasses	Turfgrasses for golf courses and home lawns. Grasses grown for hay, grazing or silage, corn (fodder or silage), sorghum (hay or silage), and small grain grown for hay, grazing or silage. Apply at 0.0002 fl oz/1,000 seeds (0.006 ml/1,000 seeds).

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