



# ILEVO<sup>®</sup>

Net Contents:

**2.5 Gallons**



Bayer SeedGrowth<sup>™</sup>

FLUOPYRAM | GROUP 7 | FUNGICIDE

**A systemic seed treatment for use on Soybean for the protection against damage caused by early season plant pathogenic nematodes. As a soybean seed treatment provides protection from seedling infections by *Fusarium virguliforme*, the causal agent of Sudden Death Syndrome.**

**ACTIVE INGREDIENT:**

FLUOPYRAM: *N*-[2-[3-chloro-5-(trifluoromethyl)-2-pyridinyl]ethyl]-2-(trifluoromethyl)benzamide\*

48.4%

**OTHER INGREDIENTS:**

51.6%

**TOTAL: 100.0%**

Contains 5 lbs FLUOPYRAM per gallon (600 g FLUOPYRAM per liter)

\*(CAS Number 658066-35-4)

EPA Reg. No. 264-1167

SUSPENSION CONCENTRATE

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

See additional precautionary statements and directions for use on label.

Produced for:  
Bayer CropScience LP  
P.O. Box 12014, 2 T.W. Alexander Drive  
Research Triangle Park, North Carolina 27709  
ILEVO is a registered trademark of Bayer.

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US6138077C

## FIRST AID

<b>IF SWALLOWED:</b>	<ul style="list-style-type: none"><li>• Call a poison control center or doctor immediately for treatment advice.</li><li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li><li>• Have person sip a glass of water if able to swallow.</li><li>• Do not give anything by mouth to an unconscious person.</li></ul>
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**For MEDICAL Emergencies Call 24 Hours A Day 1-800-334-7577.**

In case of emergency call toll free the Bayer CropScience Emergency Response Telephone No. 1-800-334-7577.

Have a product container or label with you when calling a poison control center or doctor, or going for treatment.

**NOTE TO PHYSICIAN:** Treat Symptomatically.

For **PRODUCT USE** Information Call 1-866-99BAYER (1-866-992-2937)

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

#### CAUTION

Harmful if swallowed. Wash 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 a long-sleeve shirt and long pants, shoes plus socks, and waterproof gloves (such as natural rubber, barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, polyethylene, polyvinyl chloride, or viton).

Baggers and bag sewers must wear a long-sleeve shirt and long pants, and shoes plus socks.

#### User Safety Requirements

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions exist for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

### User Safety Recommendations

#### Users should:

- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- User should 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

For terrestrial uses: 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 due to runoff of rain water. This is especially true for poorly

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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 FLUOPYRAM. Runoff of this product will be reduced by avoiding applications when rainfall or irrigation is expected to occur within 48 hours. Sound erosion control practices will reduce this product's potential to reach aquatic sediment via runoff.

This chemical has properties and characteristics associated with chemicals detected in ground water. This chemical may leach into groundwater if used in areas where soils are permeable, particularly where the water table is shallow.

Treated seed exposed on soil surface may be hazardous to wildlife. Cover or collect seed spilled during loading.

## **DIRECTIONS FOR USE**

### **STOP - READ THE ENTIRE LABEL BEFORE USE**

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

Read the entire label and observe all label directions and precautions before use.

### **PRODUCT INFORMATION**

- ILeVO® is a seed treatment fungicide labeled for the control or suppression of certain plant pathogenic fungi and nematodes.
- ILeVO is a seed treatment fungicide that when applied to seed, aids in protecting the seed and seedling against certain early season plant pathogenic fungi and nematodes that attack the root system.
- The use of ILeVO can protect against early season infection by *Fusarium virguliforme*, the causal agent of Sudden Death Syndrome.
- In areas of high nematode infestation additional control measures may be warranted.

### **USE RESTRICTIONS**

- 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.
- Do not use this product except as directed on this label or on other Bayer CropScience supplemental labeling for this product.
- Refer to the specific use directions and restrictions in each Crop, Crop Group or Crop Subgroup table.
- 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.

### **LABELED USES**

Soybean

### **FUNGICIDE RESISTANCE MANAGEMENT (FRAC) RECOMMENDATIONS**

For resistance management, ILeVO contains a Group 7 fungicide. Any fungal population may contain individuals naturally resistant to ILeVO and other Group 7 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 ILeVO or other Group 7 fungicides within a growing season sequence with different groups that control the same pathogens.

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- Use tank mixtures with fungicide 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 treated fungal/bacterial 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 Bayer CropScience at 1-866-99BAYER (1-866-992-2937). You can also contact your pesticide distributor or university extension specialist to report resistance.

### **COMPATIBILITY TESTING AND TANK MIX PARTNERS**

- ILeVO can be used in combination with other registered Bayer CropScience seed treatment fungicides and insecticides. Pre-test for compatibility with other seed treatment products.
- 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.

### **COMPATIBILITY**

It is essential that before using ILeVO seed treatment in any tank mixture the compatibility of the mixture be established. Add ILeVO at the labeled rate to a clean quart jar containing approximately one-half 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.

**DO NOT USE MIXTURES THAT CURDLE, PRECIPITATE, OR GEL. USE TANK MIXTURES IMMEDIATELY AFTER MIXING WITH ADEQUATE AGITATION.**

### **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 ILeVO.
- The order of product addition is dependent on the accompanying seed treatment products and application equipment 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.

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- 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 Bayer CropScience representative.

## SPECIFIC CROP USE DIRECTIONS

### CROP USE DIRECTIONS

#### SOYBEAN

##### Pests Controlled

Sudden Death Syndrome (SDS) caused by *Fusarium virguliforme*. Early season Septoria Brown Spot (*Septoria glycines*) Soilborne nematodes: *Heterodera glycines*, *Meloidogyne incognita*, *Rotylenchulus reniformis*, *Pratylenchus* spp., *Hoplolaimus* spp.

##### Rate of ILeVO <sup>1,4</sup>

# seeds/kg (# seeds/lb)	ml / 100 kg seed (fl oz/100 lb seeds)	ml / 140,000 seed (fl oz / 140,000 seeds)	Mg ai / seed <sup>2</sup>	g/A <sup>3</sup> (lb/A)
5662 (2550)	141.55 – 235.92 (2.17 – 3.62)	35 - 58 (1.18 - 1.97)	0.15 - 0.25	37.5 - 62.5 (0.08 - 0.14)

##### Pests Controlled

Soilborne nematodes: *Heterodera glycines*, *Meloidogyne incognita*, *Rotylenchulus reniformis*, *Pratylenchus* spp., *Hoplolaimus* spp.

##### Rate of ILeVO <sup>1,4</sup>

# seeds/kg (# seeds/lb)	ml / 100 kg seed (fl oz/100 lb seeds)	ml / 140,000 seed (fl oz / 140,000 seeds)	Mg ai / seed <sup>2</sup>	g/A <sup>3</sup> (lb/A)
5662 (2550)	70.78 – 235.92 (1.08 – 3.62)	18 - 58 (0.6 - 1.97)	0.075 - 0.25	18.75 - 62.5 (0.04 - 0.14)

##### Crop Specific Directions and Restrictions:

- <sup>1</sup>Do not apply more than 0.45 lb ai/A of fluopyram per year (including seed treatment, foliar, in-furrow or banded applications).
- <sup>2</sup>Rate is calculated based on number of seeds/kg averages of soybean 5662.
- <sup>3</sup>Based on seeding rate of 250,000 seeds/ acre (250,000 seeds/A) x (mg a.i./seed) x (g/1000mg).
- <sup>4</sup>Do not graze or feed soybean forage and hay to livestock after treating with ILeVO.
- Seeds may not be broadcast planted.

## SEED BAG TAG

The Federal Seed Act requires that the container of seed treated with ILeVO must be labeled with the following statements:

- This seed has been treated with:
  - **ILeVO**, which contains **48.4% of Fluopyram**.
- Do not use treated seed for food, feed, or oil purposes.

User is responsible for ensuring that the seed bag meets all requirements under the Federal Seed Act.

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- 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 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.
- 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 specifications. Surplus seed or empty seed containers should be stored or disposed according to local federal regulations.
- Treat at manufacturer's specified rate.

• **Restrictions:**

- Do not graze or feed soybean forage and hay to livestock after treating with ILeVO.

• **Rotational Crops Plant Back Restrictions:**

- The following crops can be replanted immediately following the last application of Fluopyram: Artichoke (Globe); Brassica (cole) leafy vegetables (group 5); Bulb vegetables (subgroup 3-07A and 3-07B); Carrot; Cereals (group 15) [which include: barley, buckwheat, field corn, pop corn, sweet corn, millet (pearl and proso), oats, rice; rye, sorghum, teosinte, triticale, and wheat]; Citrus (group 10-10); Cotton (subgroup 20C); Cucurbits (group 9); Dill seed; Fruiting Vegetables (group 8-10); Ginseng; Grapes and small vines (except fuzzy kiwifruit) (subgroup 13-07F); Herb (subgroup 19A); Hop; Leafy vegetables (except watercress) (group 4); Legume Vegetables (except soybean, cowpea and dried peas); Peanut; Pome fruit (group 11-10); Potato and other root, tuberous and corm vegetables (except sugarbeet) (subgroup 1B and 1C); Rapeseed (subgroup 20A); Small Berries (canberries and bushberries) (subgroup 13-07A and 13-07B); Soybean; Stone Fruits (group 12-12); Strawberry and other low-growing berries, except cranberry (subgroup 13-07G); Sugarbeet; Sunflower (subgroup 20B); Tobacco; Tree Nut, (group 14-12).
- Alfalfa can be planted after 14 days and sugarcane can be planted after 14 days in Region 3.
- Do not rotate to crops other than those listed above.

## STORAGE AND DISPOSAL

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

### PESTICIDE STORAGE

Store in original container away from feed and food. Store in cool, dry area. Do not store in direct sunlight. Do not allow prolonged storage in temperatures that exceed 105°F (40°C) or in temperatures that fall below 14°F (-10°C).

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## **PESTICIDE DISPOSAL**

To avoid wastes, use all material in this container by application according to label directions. If wastes cannot be avoided, offer remaining product to a waste facility or pesticide disposal program (often such programs are run by state or local governments or by industry).

## **CONTAINER HANDLING**

### **Dilutable Seed Treatment Products in Non-Refillable Plastic Containers**

Rigid, Non-refillable containers (equal to or less than 5 gallons)

Non-refillable container. Do not reuse or refill this container. Triple rinse or pressure 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.

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

Non-refillable container. Do not reuse or refill this container. After emptying product from container, either return container to Bayer CropScience per instructions from Bayer CropScience Customer Service Center (1-800-527-4781), 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.

## **IMPORTANT: READ BEFORE USE**

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. All such risks shall be assumed by the user or buyer.

**DISCLAIMER OF WARRANTIES:** TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BAYER CROPSCIENCE MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of Bayer CropScience is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BAYER CROPSCIENCE SHALL NOT BE LIABLE FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

**LIMITATIONS OF LIABILITY:** 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 OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT BAYER CROPSCIENCE'S ELECTION, THE REPLACEMENT OF PRODUCT.

ILeVO is specially formulated and sold by Bayer CropScience LP for the control of various pathogens according to the directions on this label. The purchase price of ILeVO includes a prepaid license under which purchaser agrees to employ the purchased quantity of ILeVO only for the above-specified uses and to provide notice of the terms and conditions of this license to any subsequent purchaser. Uses of ILeVO other than those specified on this label are not licensed through the purchase of this product.

**Bayer**



NET CONTENTS: 2 1/2 GALLONS

ILeVO®

FLUOPYRAM GROUP 7 FUNGICIDE

A systemic seed treatment for use on Soybean for the protection against damage caused by early season plant pathogenic nematodes. As a soybean seed treatment provides protection from seedling infections by *Fusarium virguliforme*, the causal agent of Sudden Death Syndrome.

ACTIVE INGREDIENT: FLUOPYRAM: N-[2-[3-chloro-5-(trifluoromethyl)-2-pyridinyl]ethyl]-2-(trifluoromethyl)benzamide\* 48.4%
OTHER INGREDIENTS: 51.6%

Contains 5 lbs FLUOPYRAM per gallon (600 g FLUOPYRAM per liter) TOTAL: 100.0%
\*(CAS Number 658066-35-4)

EPA Reg. No. 264-1167

SUSPENSION CONCENTRATE

KEEP OUT OF REACH OF CHILDREN
CAUTION

See additional precautionary statements and directions for use on label.

FIRST AID

Table with 2 columns: IF SWALLOWED: and First Aid instructions including 'Call a poison control center or doctor immediately for treatment advice.', 'Do not induce vomiting unless told to do so by a poison control center or doctor.', 'Have person sip a glass of water if able to swallow.', 'Do not give anything by mouth to an unconscious person.'

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CONTAINER HANDLING

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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.

Bayer CropScience LP
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