



XYWAY™

LFR®

FUNGICIDE

For mixing directly with liquid fertilizer to control listed soil and foliar diseases.

EPA Reg. No. 279-9658

EPA Est. No. 279-NY-001

Active Ingredient:

Flutriafol20.9%

Other Ingredients:.....79.1%

TOTAL: 100.0%

Contains 1.92 pounds per gallon of the active ingredient flutriafol.
Suspension Concentrate.

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.)

IN CASE OF MEDICAL EMERGENCY INVOLVING THIS PRODUCT, CALL TOLL FREE,
DAY OR NIGHT, 1-800-331-3148

For SPILLS
CHEMTREC
1-800-424-9300

Notice: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

Sold By



FMC Corporation
2929 Walnut Street
Philadelphia, PA 19104
Net Contents: 2.5 Gallons

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Caution. Causes moderate eye irritation. Avoid contact with eyes and clothing. Harmful if swallowed. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

FIRST AID	
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.
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 by a poison control center or doctor. • Do not give anything to an unconscious person.
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.
<p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-331-3148 for emergency medical treatment information.</p>	
<p>Note to Physician: No specific antidote. Treat symptomatically.</p>	

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and all other handlers must wear: long-sleeved shirt and long pants, chemical-resistant gloves made of barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, polyvinyl chloride, or viton when mixing/loading, cleaning equipment or using handheld equipment, shoes plus socks, and protective eyewear.

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 STATEMENT

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 formulated product is toxic to fish and aquatic invertebrates. 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.

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

Surface Water Advisory: This product may impact surface water quality due to runoff of rain water. This is especially true for poorly draining soils and soils with shallow ground water. This product is classified as having a high potential for reaching surface water via runoff for several months or more after application.

DIRECTIONS FOR USE

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

In California, this product may only be applied to fields that are not irrigated, or are irrigated using pressurized irrigation methods such as macro-sprinkler, micro-sprinkler, or drip systems.

Not for sale, distribution, or use in Nassau or Suffolk Counties of New York State. In New York State this product may not be applied within 100 feet (using ground equipment) of coastal marshes or streams that drain into coastal marshes.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Workers 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) and restricted-entry interval. 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, and shoes plus socks.

STORAGE AND DISPOSAL

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

Pesticide Storage: Avoid freezing. Store unused product in original container in a cool, dry, secure area.

Pesticide Disposal: Pesticide wastes may be hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by 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:

Non-refillable Container [in sizes 5 gallons or less]: Do not reuse or refill this container. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or mix tank and drain for 10 seconds after flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or mix tank or store rinsate for later use or disposal. Drain for 10 seconds after 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 incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Non-refillable Container [in sizes greater than 5 gallons]: Do not reuse or refill this container. Triple rinse or pressure rinse container promptly after emptying. 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 back and forth several times. Turn the container over onto its other end and tip 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 incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Pressure rinse as follows: Empty remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold the container upside down over application equipment or a 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. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Returnable/Refillable Container: Do not rinse container. Do not empty remaining formulated product. Do not break seals. Return intact to point of purchase. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning 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 clean the container before final disposal, empty the remaining contents into application equipment or mix tank or rinsate collection system. 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. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Returnable/Non-refillable Container: Do not rinse container. Do not empty remaining formulated product. Return intact to point of purchase. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. To clean the container before final disposal, empty the remaining contents into application equipment or mix tank or rinsate collection system. 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. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

PRODUCT DIRECTIONS

READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS RESTRICTIONS, AND DIRECTIONS, AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.

Restrictions

Do not use this product as a foliar application. Apply at planting or post-emergence directed to the soil, as described in the specific crop use directions.

Do not apply this product by air.

The maximum application rate per acre per year (pounds active ingredient/acre/year) as listed under the use directions for each crop must not be exceeded.

Crop Rotation Restrictions: Fields treated with Xyway LFR Fungicide may be planted to the following crops and plant back intervals:

Crop	Plant back Interval
Alfalfa, barley, field corn; field corn grown for seed; popcorn; sweet corn; cotton; cucurbits; fruiting vegetables; grapes; hops; Brassica leafy vegetables crop group 5; leafy vegetables, except Brassica, crop group 4; peanut; pome fruit; grain sorghum; soybean; stone fruit; strawberry; sugar beet; tomato; tree nuts; triticale; or wheat	Immediately
Rice	30 days
All other crops	Prohibited

Application and Mixing Instructions

Xyway LFR Fungicide is a fungicide that contains 1.92 pounds of flutriafol per gallon and can be mixed directly with liquid fertilizer or with water. Precipitation via rainfall or irrigation is required to move flutriafol in a position to protect the plant below ground and/or to make flutriafol available for root uptake. The amount of precipitation required will vary with soil type, soil moisture, and rainfall or irrigation intensity.

Follow the application directions in the specific crop use directions. Use the highest rate for the specific crop when disease pressure is expected to be high. Shake well before using. Fill the tank 1/3 to 1/2 full with liquid fertilizer or water and begin spray tank agitation. Add the proper amount of Xyway LFR Fungicide, and then add the rest of the fertilizer or water. Maintain agitation until the mixture has been applied.

Tank Mixing: Xyway LFR Fungicide may be tank mixed with other fungicides, herbicides, insecticides, and/or other additives unless prohibited on the label of the tank mix partner. Follow more restrictive labeling of any tank mix partner. Although Xyway LFR Fungicide is compatible with most products, not all combinations have been tested. 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. Use the compatibility jar test to ensure physical compatibility. Before applying any tank mixture not specifically recommended on this label, the crop safety of the target crop should be confirmed by applying the mixture to a small area of the target crop in accordance to the label instructions.

Compatibility Jar Test: Xyway LFR Fungicide is compatible with most products, however not all combinations have been tested. Use the following compatibility jar test to ensure physical compatibility.

Using a quart jar, add the proportionate amounts of the products to approximately one quart of water with agitation. Add wettable powders and water dispersible granular products first, next liquid flowables, then emulsifiable concentrates, and last liquid soluble products. After thorough mixing, allow this mixture to stand for 5 minutes. If the combination remains mixed or can be readily remixed, it is physically compatible. Once compatibility has been proven, use the same procedure for adding products to the spray tank. Use tank mix combinations on a small number of plants before treating larger areas. When tank mixing, follow more restrictive labeling of any tank mix partner. Do not tank mix with any product that contains a prohibition on tank mixing.

Spray Equipment/Volume: Xyway LFR Fungicide should be applied in 5-10 gallons total spray volume per acre.

At-plant Applications with Fertilizer: Xyway LFR Fungicide can be mixed with commonly used liquid starter or pop-up fertilizers. Follow liquid fertilizer recommendations regarding seed safety and use guidelines. Conduct a jar test using the appropriate ratio of fertilizer and Xyway LFR Fungicide prior to mixing in the applicator. It is not advised to allow a tank mixture to set overnight or longer, but if this occurs agitate tank mixture prior to resuming application.

Chemigation:

Application through Irrigation Systems (Chemigation):

Apply Xyway LFR Fungicide through irrigation to crops at rates and timings specified in this label. Chemical tank and injector system must be thoroughly cleaned before and after use. Flush system with clean water.

Drip Irrigation: Use Xyway LFR Fungicide for control of diseases at rates and timing as specified in this label. Ensure adequate soil moisture prior to utilizing Xyway LFR Fungicide in a drip irrigation system.

Discontinue drip irrigation application at fungicide depletion from the main feed supply tank or after 6 hours from start, whichever is shorter. Delay subsequent irrigation (water only) for at least 24 hours following drip application for best results.

Restriction:

Do not apply Xyway LFR Fungicide through drip irrigation that is deeper than 12” below the soil surface.

Operating Requirements for Application through Irrigation Systems:

Restriction:

1. Do not use chemigation when conditions are favorable for drift to non-target areas.
2. To prevent water-source contamination from backflow, a functional check valve, vacuum relief valve, and low pressure drain should be located on the irrigation pipeline.
3. To prevent backflow back toward the injection pump. the pesticide injection pipeline must be equipped with a functional, automatic, quick-closing check valve.
4. To prevent fluid from being withdrawn from the supply tank when the irrigation system is shut down, the pesticide injection pipeline should also be equipped with a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock.
5. The system must also contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops and a functional pressure switch to stop the pump motor when water pressure decreases to a point at which pesticide distribution is adversely affected.
6. A metering pump, constructed of materials compatible with pesticides and capable of being fitted with a system interlock, such a positive displacement injection pump (e.g., a diaphragm pump). must be included in the system
7. A knowledgeable person responsible for the chemigation system should shut the system down and turn the irrigation water off, ensuring enough time for the pesticide to be flushed through all lines and nozzles.
8. No irrigation system, including those in greenhouses, used to distribute pesticides can be connected to a public water source unless safety measures and devices prescribed in the pesticide label for such connection are in place.

Specific Instructions for Public Water Systems:

1. Public water system means a system that provides piped water for human consumption if the system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year.
2. All measures and devices listed in the above section, “Operating Requirements for Application through Irrigation Systems”, must be operational for connection to a public water system.
3. Additionally, chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, back-flow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There must be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.

Product Rate/Ac to Rate/1000 row-ft Conversion Table:

Row Spacing (inches)	Fluid ounces/1000 row-ft			
	7.6 fl oz/A	8.7 fl oz/A	15.2 fl oz/A	17.3 fl oz/A
38	0.55	0.63	1.10	1.26
36	0.52	0.60	1.05	1.19
30	0.44	0.50	0.87	0.99
20	0.29	0.33	0.58	0.66
15	0.22	0.25	0.44	0.50
7.5	0.11	0.12	0.22	0.25

For all other row spacings:

1. Determine row-ft/A (20-inch row example):

522720 sq-in/ac	522720	=	26136 row-ft/A
Row Spacing (inches)	20		

2. Determine fl oz/1000 row-ft (20-inch row, 15.2 fl oz/A example):

Selected Rate (fl oz/ac 15.2 fl oz/A)	=	0.58 fl oz/1000 row-ft
$\frac{15.2 \text{ fl oz}}{1 \text{ ac}} \times \frac{1 \text{ ac}}{26,136 \text{ row-ft}} \times 1,000 \text{ ft}$		

Resistance Management:

Xyway LFR Fungicide contains the active ingredient flutriafol which is a member of FRAC group 3 and is a demethylation inhibitor (DMI).

Any fungal population may contain individuals naturally resistant to Xyway LFR Fungicide 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 fungicideresistance, take one or more of the following steps:

- Rotate the use of Xyway LFR Fungicide 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 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 your pesticide distributor or university extension specialist to report resistance.

CROP USE DIRECTIONS

Product Information:

Xyway LFR Fungicide works by forming a protective barrier around the crop root at the point of disease infection which helps prevent primary soil disease root infection and secondary soil disease root infection resulting from feeding by insect pests like corn rootworm in corn. This protection allows root regrowth and a healthier root system when insect damage occurs. If not applied directly in furrow, precipitation in the form of rainfall or irrigation is required to move the product into the infection zone. The amount of water required will vary with the soil type, soil moisture and rainfall or irrigation intensity.

Use Directions for Corn (Field, Corn Grown for Seed, Popcorn, Sweet Corn)

Diseases	Fluid oz/acre	USE RATES	
		Fluid oz/1000 Linear ft. (30" row spacing)*	Pound ai/acre
Gray leaf Spot <i>(Cercospora zeaе-maydis)</i>	7.6 – 15.2	0.44 – 0.87	0.114 – 0.228
Southern Corn Leaf Blight <i>(Bipolaris maydis)</i>			
Northern Corn Leaf Blight <i>(Exserohilum turcicum)</i>			
Common Rust <i>(Puccinia sorghi)</i>			
Head Smut <i>(Sporisorium reilianum)</i>			
Common Smut <i>(Ustilago maydis)</i>			

Xyway LFR Fungicide may be applied to corn in-furrow at planting or post-emergence directed to the soil at the base of the plant.

Xyway LFR Fungicide soil applications provide foliar disease control/suppression through the growing season. For control of late-season infestations, heavy disease pressure situations, or foliar diseases not listed above, a supplemental foliar application may be needed.

* Please refer to row space conversion chart in application instructions for application rates on row spacings other than 30".

Restrictions:

- Do not apply more than 0.228 lb active ingredient per acre (15.2 fl oz of product/A) per year including at-plant plus foliar applications of other flutriafol products.

CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

Conditions of Sale and Limitation of Warranty and Liability:

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product must be followed carefully. 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 manner of use or application, weather or crop conditions beyond the control of FMC or Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold FMC and Seller harmless for any claims relating to such factors.

Seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the Directions for Use when used in accordance with the directions under normal conditions of use. To the extent consistent with applicable law, FMC MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE, NOR ANY OTHER EXPRESS OR IMPLIED WARRANTIES WITH RESPECT TO THE SELECTION, PURCHASE, OR USE OF THIS PRODUCT. Any warranties, express or implied, having been made are inapplicable if this product has been used contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to (or beyond the control of) Seller or FMC, and Buyer assumes the risk of any such use.

To the extent consistent with applicable law, FMC or Seller shall not be liable for any incidental, consequential or special damages resulting from the use or handling of this product. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF FMC AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF FMC OR SELLER, THE REPLACEMENT OF THE PRODUCT.

This Conditions of Sale and Limitation of Warranty and Liability may not be amended by any oral or written agreement.

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