

Spring 2024

Inside this issue

At-Plant Protection from Damaging Seedling Diseases and Nematodes Plus Season-Long Foliar Disease Control in Corn

- ✓ Zironar® biofungicide/bionematicide
- ✓ Xyway® LFR® fungicide

Contact your local representative

Cori Woelk
Western KS
405-370-7469

Jared Miller
West Central KS
785-826-0098

Matt Stucky
South Central KS
620-386-0989

Chase Hageman
Central KS
620-388-4262

Kevin Lee
E. KS & W. MO
785-424-5564

Greg Justice
OK
405-747-0475

Brandon Paetzold
OK Panhandle & NW TX
806-674-5200

Charlcey Plummer
N. TX
405-641-0116

Technical Service Manager
V. Bruce Steward, Ph.D.
Choctaw, OK
913-339-8586

Zironar® Biofungicide/Bionematicide PLUS Xyway® LFR® Fungicide Provides Protection From Damaging Seedling Diseases, Nematodes and Foliar Diseases

At-Plant Corn Disease and Nematode Protection:

Managing multiple threats to crop health is essential for protecting yields. Fortunately, FMC provides two At-Plant products that, when combined, can achieve early-season protection of seedling diseases and soil nematodes plus provide season-long foliar disease protection of key yield-limiting corn diseases.

Zironar® biofungicide/bionematicide defends seedlings from fungal diseases like *Fusarium* and *Rhizoctonia* and important nematodes like root knot and lesion nematodes. Its two novel and proprietary bacterial strains, FMCH001 and FMCH002, also provide beneficial effects that enhance plant stand, vigor and can help improve yield potential. The bacteria colonize roots and form a protective biofilm, protecting seedlings beyond the time typical seed treatments provide.

Xyway® LFR® fungicide utilizes the innovative and unique characteristics of the triazole fungicide, flutriafol. Flutriafol has a high level of systemic mobility and residual performance. This novel technology allows growers to make their fungicide application with the planter pass and help achieve season-long foliar disease protection of key yield-limiting corn diseases.



PRODUCT INFORMATION

Product	Zironar biofungicide/bionematicide	Xyway LFR fungicide
Active Ingredient	<i>Bacillus licheniformis</i> - FMCH001 and <i>Bacillus subtilis</i> - FMCH002	Flutriafol (DMI: FRAC Group 3)
Use Rate	6.0 – 12.0 fl. oz./A	7.6 – 15.2 fl. oz./A
Formulation	Suspension concentrate	1.92 lbs. ai/gal. liquid fertilizer ready (LFR)

Application Recommendation

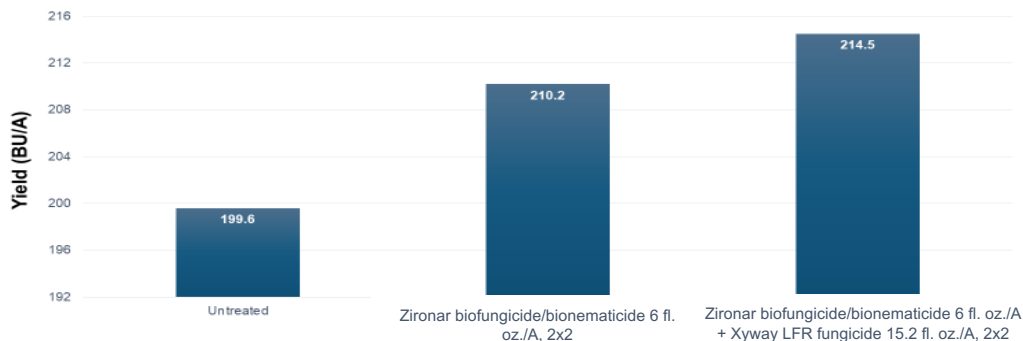
Zironar biofungicide/bionematicide plus Xyway LFR fungicide may be applied at planting time as a sub-surface off the row to the side or below the seed application i.e., 2x2 inch, 2x2x2 dual-placement, or various placements within 3-inches of the seed.*

Zironar® Biofungicide/Bionemacide PLUS Xyway® LFR® Fungicide Trial Results

Two replicated research trials were conducted evaluating Zironar® biofungicide/bionemacide at 6 fl. oz./A PLUS Xyway® LFR® fungicide 15.2 fl. oz./A with an At-Plant 2x2 application in Kansas. Approximately a 15-20 bu/A yield increase response resulted from this application over the untreated check.

2023 Zironar Biofungicide/Bionemacide + Xyway LFR Fungicide Corn Trial At-Plant Application

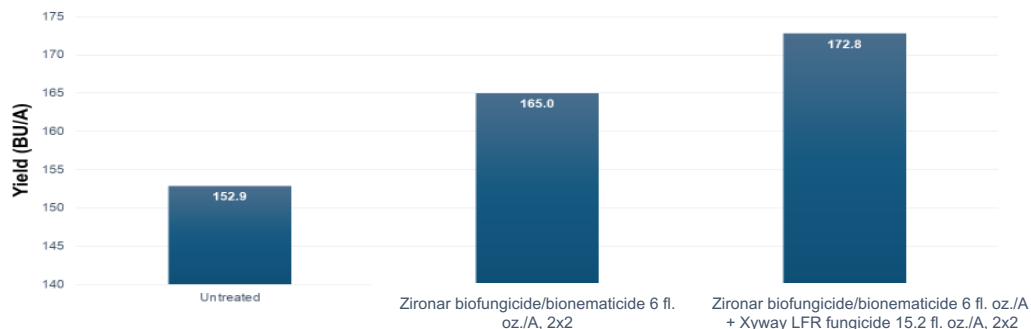
USA-23-753 (TSS-23-004); Eric Adee, Kansas State University, Topeka, KS



Location: Topeka, KS; Plant Date: 4/19/23; Hybrid: Pioneer 1572AM; Harvest Date: 9/8/23. At-Plant Application: 2x2 = 2 inches to the side and 2 inches down from seed.

2023 Zironar Biofungicide/Bionemacide + Xyway LFR Fungicide Corn Trial At-Plant Application

USA-23-753 (TSS-23-022); Kyle Shroyer, AgroCRD, Manhattan, KS



Location: Manhattan, KS; Plant Date: 5/26/23; Hybrid: MG 752 PWE; Harvest Date: 10/6/23. At-Plant Application: 2x2 = 2 inches to the side and 2 inches down from seed.

Best Management Practices: Zironar Biofungicide/Bionemacide PLUS Xyway LFR Fungicide

- **Mixing:** Make slurry with Zironar biofungicide/bionemacide with water and/or starter fertilizer first. Add to the tank and then add Xyway LFR fungicide. Jar test is recommended for each new crop production mixture.
- **Application Placement:** Apply Zironar biofungicide/bionemacide + Xyway LFR fungicide as a sub-surface application off the row, to the side or below the seed i.e., 2x2 inch, 2x2x2 dual-placement, or various placements within 3-inches of the seed.*
- **Application Volume:** Apply in a minimum of 5 GPA.
- **Agitation:** Provide adequate agitation in the tank to maintain a homogenous solution.

*This Zironar biofungicide/bionemacide recommendation is made as permitted under FIFRA Section 2(ee) for 2x2 inch, 2x2x2 dual-placement, or various placements within 3-inches of the seed placement at-plant in corn (field, corn grown for seed, popcorn and sweet corn) in all registered states excluding New York. This recommendation has not been submitted to or approved by the EPA. The 2(ee) expiration date is 12/31/2027. Always read and follow all label directions, precautions and restrictions for use. Some products may not be registered for sale or use in all states. FMC, the FMC logo, LFR, Xyway, and Zironar are trademarks of FMC Corporation or an affiliate. ©2024 FMC Corporation. All rights reserved. 04/24 86_24-FMC-3456