# Xyway® LFR Fungicide Application to Soybeans

**Study ID:** 1212079202401
**County:** Hall
**Soil Type:** Ovina fine sandy loam; Ortello fine sandy loam
**Planting Date:** 5/26/24
**Harvest Date:** 10/4/24
**Population:** 160,000
**Row Spacing (in):** 36”
**Variety:** Connect™ CT2923E
**Reps:** 8
**Previous Crop:** Corn
**Tillage:** Cultivated 6/25/24, hilled 7/2/24
**Herbicides:** ***Pre:*** 22 oz/ac Broadax®
***Post:*** 2 pt/ac Enlist One® + 20 oz/ac Roundup PowerMAX® 3 + 12 oz/ac Outlook® applied 6/6/24. 1 qt/ac Liberty® + 1 qt/ac Warrant® applied 7/3/24
**Seed Treatment:** Acceleron® Fungicide + Insecticide, ILEVO®, and inoculant

**Foliar Insecticides:** None
**Foliar Fungicides:** None
**Fertilizer:** 13 gal/ac 8-20-5-5 + Zn applied in 2x2 band at planting
**Irrigation:** Pivot, Total: 7.75”
**Rainfall (in):**


**Introduction:** Xyway® LFR® (flutriafol) is a long-lasting disease control fungicide designed to be applied at planting. This product is designed to prevent foliar diseases that can reduce yield, but also invigorate plant physiological traits, such as leaf expansion. The goal of this study was to determine the effects of applying Xyway® LFR® at 11 oz/ac at planting against an untreated check. No in-season fungicide application was made. The treatments were arranged in a paired comparison design and replicated eight times.

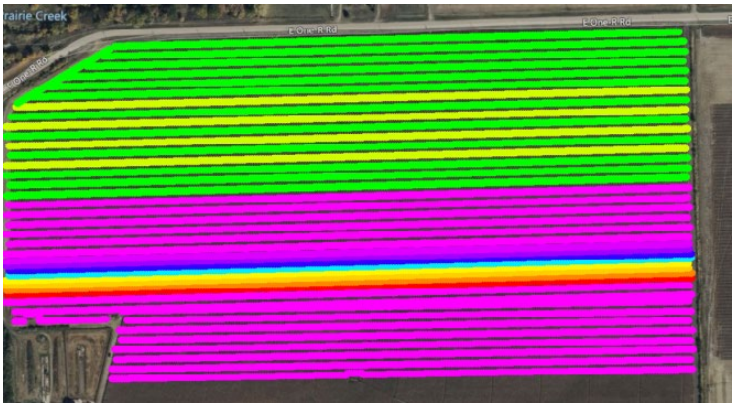

**Figure 1:** Project layout and design. The North half of the field was where the project was conducted. Green strips: Xyway® LFR® applications. Yellow strips: No Xyway® LFR®.

**Results:**

| | Stand Count (plants/ac) | Moisture (%) | Yield (bu/ac)† | Marginal Net Return‡ ($/ac) |
|---|---|---|---|---|
| Check | 107.75 A* | 9.9 A | 88 A | 972 A |
| Xyway® LFR® | 105.5 A | 9.7 A | 88 A | 952 B |
| P-Value: | 0.17 | 0.422 | 0.398 | 0.04 |

*Values with the same letter are not significantly different at a 90% confidence level.
†Bushels per acre corrected to 13% moisture.
‡Marginal net return based on $11/bu soybeans and Xyway™ LFR® cost of $15/ac.

**Summary:**

- There were no significant differences in stand count, moisture or yield.
- After factoring in the cost of the product, the addition of Xyway™ LFR® resulted in a significantly lower marginal net return ($952/ac) than the untreated check ($972/ac).
- Field history and yearly disease pressure may influence fungicide selection and timing.