



# 2025 Corn PKP x Fungicide Response Trials



Increased disease pressure in Wisconsin and increased use of in-season fungicide applications particularly with the increased use of drones for applications has led to the need to better understand products response to fungicide for Wisconsin. This year, we set out to compare our hybrids response to fungicide. We utilized our PKP hybrid comparison plots and Corteva Crop Protection fungicides. At each location, a standard hybrid plot was split front to back with a portion of the plot receiving a fungicide application around VT/R1 and the remain area untreated. Across Wisconsin, 10 locations were conducted with a wide range of hybrid maturities. Visual in-season observations were captured, and yield data was collected by weigh wagon and/or yield monitor data. Results are still be collected, analyzed, and summarized. A full summary will be available later this year.

## In-Season Applications & Observations

Fungicide application methods varied from locations to location. Drones and ground applications were the most common method of fungicide application. Corteva's Fungicide Timing Decision Science tool was available to monitor disease risk and suggest fungicide timing on the plots.

Through the season, plot were observed for visual differences between hybrids with and without fungicide. Examples of this are in Image 2. At several of the locations visual different were apparent due to disease pressure. Southern Rust was a primary disease present across the locations with some locations also having Northern Corn Leaf Blight, Gray Leaf Spot, and Tar Spot present at lower levels. At some locations drones were utilized to capture plant health images (Image 3.)



**Image 1.** Location of the 10 trial locations of hybrids with fungicide and without.



P9955V P98533PCE



P9955V P98533PCE

**Image 2.** Example of hybrids without and with fungicide. The image on the left is 2 hybrids without fungicide, and the right image is the same 2 hybrids with a fungicide.



**Image 3.** Crop Health Image from drone flight on September 23rd, 2025, at the Westby, WI location. Hybrids are identified to highlight differences observed. The left 2/3rd of the plot received a fungicide application while the right 1/3rd did not receive a fungicide application of Aproach Prima @ 6.8 oz./acre on July 28th, 2025. The trial was no-till corn on soybeans planted May 13th, 2025.



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## Results from Westby, WI

The Westby location is one of the locations in the state with harvest data. This location had high disease pressure contributing to significant increases in yield from fungicide. On average, yield increase from fungicide was 21.3 bushels per acre with a range from 11.9 to 35.2 bu./acre. Additionally with a healthier plant, moisture levels increased in hybrids with fungicide. The average moisture increase was 1.1 percentage points with a range of 0.6 points to 1.8 points. Larger yield increases from fungicides did tend to lead to larger increase in moisture differences, but that was not consistent across all hybrids. Test weight was also impacted by fungicide even though moisture was increased. The average increase in test weight of 0.7 pounds per bushel. However, the response was inconsistent across hybrids. In general, the fullest season hybrids in the plot had high yield responses to fungicide compared to the earliest hybrids in the plot.

**Table 1.** Hybrid yield, moisture, and test weigh difference between fungicide and no fungicide treatments.

Product	Yield Difference (Bu/Acre)	Moisture (%) Difference	Test Weight Difference (lbs./bu.)
P91083PCE™	35.2	1.4	1.3
P91719AM™	18.5	0.6	-0.4
P92399PCE™	12.2	1.7	0.0
DKC092-14RIB	24.4	1.4	1.3
P9466PCE™	17.2	0.9	2.0
P96567AM™	11.9	1.0	-0.1
P96760V™	13.7	1.2	-0.8
P97037V™	18.5	0.6	2.2
P98125V™	22.2	1.8	-1.4
P98533PCE™	30.9	1.2	0.8
P9955V™	29.7	0.6	3.0
<b>Average</b>	<b>21.3</b>	<b>1.1</b>	<b>0.7</b>

**Figure 1.** 2025 Hybrid Yield With and Without Fungicide in Westby, WI

