

**2020 FMC In-Furrow Corn Fungicide Trial**  
**Carvel Research and Education Center - Georgetown, DE**

Treatment <sup>z</sup>	% GLS Incidence Ear Leaf 14 DAA <sup>y,x</sup>	% GLS Severity Ear Leaf 14 DAA <sup>w</sup>	% GLS Severity Ear Leaf 28 DAA	% GLS Severity 1 above Ear Leaf 42 DAA	AUPDC through 42 DAA <sup>v</sup>	Moisture	Test Weight	Yield <sup>u</sup>
UTC	100 a	0.98 a	2.65 a	23.5 a	215.6 b	18.5	54.5	188.6
Xyway LFR 7.6 oz/a (in-furrow)	50 bc	0.5 b	1.3 b	14.8 bc	129.2 a	18.6	54.6	193.6
Xyway LFR 15.2 oz/a (in-furrow)	40 bcd	0.4 bc	1.1 b	12.1 bc	106.0 a	18.9	54.5	199.5
Xyway LFR + Ethos XB 7.6 + 4.0 oz/a (in furrow)	37.5 bcd	0.38 bc	1.5 b	12.3 bc	112.0 a	18.4	54.9	196.2
Xyway LFR + Ethos XB 15.2 + 4.0 oz/a (in furrow)	27.5 d	0.28 c	1.1 b	11.1 c	96.7 a	18.6	54.0	197.6
Xyway LFR + Topguard EQ 7.6 oz/a (in-furrow) + 5 oz/a R1	32.5 cd	0.33 bc	1.1 b	12.0 bc	103.6 a	18.4	54.3	200.0
Topguard EQ 6 oz/a V7	27.5 d	0.28 c	1.1 b	12.6 bc	107.6 a	18.5	54.6	197.6
Priaxor 4 oz/a V7	52.5 b	0.53 b	1.5 b	13.1 bc	119.6 a	18.6	54.7	195.9
Topguard EQ 6 oz/a V10	27.5 d	0.28 c	1.2 b	16.2 b	134.5 a	18.7	54.4	193.1
Trivapro 13.7 oz/a R1	35 bcd	0.35 bc	1.0 b	15.1 bc	124.4 a	18.7	54.5	198.6
Lucento 5 oz/a R1	35 bcd	0.35 bc	1.0 b	11.0 c	96.6 a	18.3	54.3	201.2
Veltyma 7 oz/a R1	35 bcd	0.35 bc	1.1 b	14.4 bc	121.7 a	19.0	54.4	195.0
LSD ( $\alpha=0.05$ )	19.9	0.20	0.5	10.5	35.2	ns	ns	ns
<i>p</i> -value	0.0001	0.0001	0.0001	0.0001	0.0001	0.68	0.57	0.15

<sup>z</sup> R1 applications included 0.25% v/v non-ionic surfactant, Induce 90SL

<sup>y</sup> Disease incidence rated as percentage of ear leaves out of 10 with grey leaf spot lesions caused by *Cercospora zeae-maydis*

<sup>x</sup> Means followed by the same letter are not significantly different based on Fisher's Least Significant Difference (LSD;  $\alpha=0.05$ ), ns = not significant

<sup>w</sup> Disease severity rated as percentage of ear leaf covered in GLS lesions averaged across 10 leaves

<sup>v</sup> Area Under the Disease Progress Curve, total accumulated disease from 0-42 days after application

<sup>u</sup> Yield was calculated from the center two rows of each plot and adjusted to 15.5% moisture.

Variety: Hubner H6187RCSS  
 Planting Date: 5/18/20  
 Harvest Date: 9/15/20  
 Planting Population: 37,000 sd/A



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