

**Carvel Research and Education Center Georgetown, DE  
2019 Corn Fungicide Trial**

Treatment <sup>z</sup>	Rate (oz/a)	NIS	Ear Leaf % Heat Stress Rating <sup>y x</sup>	Test Weight	Moisture	Yield <sup>w</sup>
Veltyma (R1)	7 oz/a	0.25% v/v Induce	26.0 a	57.2 a	18.7 a	138.8 a
Revytek (R1)	8 oz/a	0.25% v/v Induce	24.0 a	56.2 a	19.2 a	148.9 a
Priaxor (R1)	4 oz/a	0.25% v/v Induce	26.4 a	56.6 a	18.9 a	142.8 a
Headline AMP (R1)	10 oz/a	0.25% v/v Induce	11.6 a	56.2 a	18.7 a	161.4 a
Topguard EQ(R1)	5 oz/a	0.25% v/v Penetrator Plus	32.6 a	54.0 a	18.1 a	131.7 a
Lucento (R1)	5 oz/a	0.25% v/v Penetrator Plus	25.2 a	55.6 a	18.9 a	147.3 a
Delaro (R1)	8 oz/a	0.125% v/v Induce	24.8 a	57.4 a	18.6 a	142.9 a
Trivapro (V8)	13.7 oz/a	0.125% v/v Induce	22.2 a	56.4 a	18.8 a	137.4 a
Trivapro (R1)	13.7 oz/a	0.125% v/v Induce	23.7 a	56.2 a	19.0 a	139.6 a
Miravis Neo (V8) + Trivapro (R1)	13.7 + 13.7 oz/a	0.125% v/v + 0.125% v/v Induce	27.8 a	46.9 a	15.9 a	140.0 a
Miravis Neo (V8)	13.7 oz/a	0.125% v/v Induce	16.4 a	56.5 a	18.9 a	148.8 a
Miravis Neo (R1)	13.7 oz/a	0.125% v/v Induce	18.8 a	56.5 a	19.0 a	151.6 a
Control	--	--	29.6 a	56.6 a	19.4 a	149.3 a
<i>p</i> -value			18.7	7.5	2.7	31.85
LSD ( $\alpha=0.05$ )			0.7830	0.4755	0.6621	0.9395

<sup>z</sup>V8 applied 6/20/19, R1 applied 7/11/19 using a CO<sub>2</sub> pressurized backpack sprayer equipped with extended range 8002VS flat fan nozzle nozzles calibrated to deliver 20 GPA at 40 psi with plots set up in a randomized complete block design with five replications

<sup>y</sup>Heat stress rated as percentage of ear leaf with necrotic tissue due to high temperatures

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

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

Variety: Dyna Grow D48SS38RIB  
Planting Date: 5/8/19  
Harvest Date: 9/23/19  
Planting Population: 31,000 sd/A



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## 2019 Late Season Corn Fungicide Trial

Treatment <sup>z</sup>	NIS	GLS Ear Leaf Severity 7 DAA <sup>y</sup> x	GLS Ear Leaf Severity 14 DAA	GLS Ear Leaf Severity 28 DAA	GLS Ear Leaf Severity 35 DAA	GLS 2 above Ear Leaf Severity 35 DAA	Test Weight	Moisture	Yield <sup>w</sup>
Veltyma (R1) 7 oz/a	0.25% v/v Induce	3.4 a	7.2 a	28.2 abc	42.3 ab	7.5 abcd	54.2 a	22.5 a	134.8 a
Revytek (R1) 8 oz/a	0.25% v/v Induce	3.6 a	9.6 a	29.0 abc	32.6 a	4.9 a	53.2 a	22.9 a	153.7 a
Priaxor (R1) 4 oz/a	0.25% v/v Induce	3.6 a	6.1 a	26.8 abc	45.6 bc	7.1 cde	54.0 a	22.7 a	138.3 a
Headline AMP (R1) 10 oz/a	0.25% v/v Induce	3.0 a	7.5 a	21.4 ab	47.5 bc	7.8 abcd	54.1 a	22.3 a	136.6 a
Topguard EQ (R1) 5 oz/a	0.25% v/v Penetrator Plus	4.0 a	8.4 a	27.7 abc	56.8 c	11.2 d	53.7 a	21.7 a	131.9 a
Lucento (R1) 5 oz/a	0.25% v/v Penetrator Plus	3.6 a	7.9 a	26.1 abc	36.7 ab	5.7 ab	54.4 a	22.4 a	140.4 a
Delaro (R1) 8 oz/a	0.125% v/v Induce	2.8 a	6.0 a	31.7 bc	45.1 bc	7.3 abc	54.1 a	22.6 a	144.1 a
Trivapro (R1) 13.7 oz/a	0.125% v/v Induce	4.7 a	8.7 a	28.2 abc	44.2 b	9.1 cd	54.1 a	23.2 a	138.6 a
Miravis Neo (R1) 13.7 oz/a	0.125% v/v Induce	3.3 a	6.6 a	20.6 a	42.3 ab	7.8 abcd	54.0 a	22.7 a	147.4 a
Control	--	8.4 b	17.6 b	57.4 d	71.0 d	15.7 e	53.9 a	22.0 a	152.9 a
<i>p</i> -value		2.1	3.7	10.4	10.5	3.1	1.0	1.2	16.5
LSD ( $\alpha=0.05$ )		0.0005	0.0001	0.0001	0.0001	0.0002	0.5434	0.5434	0.1161

<sup>z</sup>All treatments applied 8/13/19 using a CO<sub>2</sub> pressurized backpack sprayer equipped with extended range 8002VS flat fan nozzles calibrated to deliver 20 GPA at 40 psi with plots set up in a randomized complete block design with five replications

<sup>y</sup> Disease severity rated as percentage of leaf covered in 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;  $\alpha=0.05$ )

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

Variety: Dyna-Gro D48SS38RIB  
 Planting Date: 6/24/19  
 Harvest Date: 10/11/19  
 Planting Population: 31,000 sd/A



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