Carvel Research and Education Center Georgetown, DE
2022 Soybean Fungicide Trial

Variety: CZ 3930GTLL treated with Poncho/VoTiVo + Ilevo **Planting Date:** 5/25/22
Plant Population: 160,000 sd/a **Harvest Date:** 11/7/22

Treatment[z]	Canopeo (48 daa)[y]	Moisture (%)	Test Weight	Yield[x]	Avg. Purple Seed Stain[w]	Avg. Diaporthe/Phomopsis Seed Decay[v]
Control	20.52 f	12.78	52.58	43.6 ef	2.8	0.2
Topguard EQ (R3) 5 fl oz/a	29.60 cde	12.66	52.60	47.1 b-e	4.4	0.4
Lucento (R3) 5 fl oz/a	30.04 cde	12.70	53.00	46.9 b-e	4.8	0.6
Adastrio (R3) 7 fl oz/a	25.54 def	12.66	52.80	45.0 c-f	5.6	0.8
Adastrio (R3) 8 fl oz/a	34.00 bcd	12.40	52.54	49.9 ab	6.4	0.4
Xyway LFR (2x0) 15.2 fl oz/a	24.72 ef	12.36	52.72	41.6 f	2.6	1.8
Xyway LFR(2x0) fb Adastrio (R3) 9.5 fb 7 fl oz/a	28.78 def	12.48	52.78	49.3 a-d	3.6	0.6
Topguard (V5) fb Lucento (R3) 7 fb 5 fl oz/a[x]	33.14 b-e	12.36	52.90	45.7 b-f	3.0	1.2
Miravis Top (R3) 13.7 fl oz/a	37.82 abc	12.56	52.82	49.8 abc	2.6	0.8
Delaro Complete (R3) 8 fl oz/a	33.48 b-e	12.10	53.00	45.4 b-f	4.8	0.4
Revytek (R3) 8 oz/a	45.48 a	12.50	53.22	52.6 a	3.6	1.0
BAS752 (R3) 4.5 oz/a	33.50 b-e	12.38	53.06	46.8 b-e	3.4	0.4
Miravis Neo (R3) 13.7 oz/a	30.00 cde	12.40	52.96	47.1 b-e	4.2	0.8
Syngenta Experimental (R3) 13.7 oz/a	39.20 ab	12.22	52.50	45.9 b-f	3.6	0.4
Miravis Neo (R1) fb Syngenta Experimental (R5) 13.7 oz/a fb 13.7 oz/a [x]	33.48 b-e	12.72	52.90	44.5 def	1.4	0.6
p-value LSD (α=0.05)	0.0002 9.03	0.4013 *ns*[u]	0.8621 *ns*	0.0047 4.84	0.0684 *ns*	0.2656 *ns*

[z] 2x0 applied at planting on 5/25/22. Foliar applications were made using a CO_2 pressurized backpack sprayer equipped with extended range 8002VS flat fan nozzles calibrated to deliver 20 GPA at 40 psi. V5 applied 7/7/22, R3 applied 8/4/22, R1 applied 7/12/22, R5 applied 8/19/22. All R1-R5 treatments included 0.125% non-ionic surfactant, Induce 90SL, fb= followed by.

[y] Canopeo records canopy greenness in rows 2 and 3 of each plot. Means followed by the same letter are not significantly different based on Fisher's Least Significant Difference (LSD; α=0.05). ns = not significant.

[x] Yield was calculated from the center two rows of each plot and adjusted to 13% moisture.

[w] Avg. number of seeds in 10 g subsample from each plot with purple discoloration.

[v] Avg. number of seeds in 10 g subsample from each plot with white/chalky appearance.

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