

Carvel Research and Education Center Georgetown, DE
2020 Soybean Foliar Fungicide Trial

Variety: CZ 3930GTLL treated with Poncho/VoTiVo + Ileva
Plant Population: 150,000 sd/a

Planting Date: 5/11/20
Harvest Date: 10/22/20

Treatment ^z	% Green Stems at Harvest ^y	Test Weight	Moisture	Yield ^x	Avg. Purple Seed Stain ^w	Avg. Diaporthe/Phomopsis Seed Decay ^v
Control	6.2 a	55.0 a	15.8 a	67.2 ab	2.4 ab	1.2 a
Revytek (R3) 8 oz/a	8.3 a	55.4 a	15.6 a	69.7 ab	1.6 ab	0.4 a
Priaxor (R3) 4 oz/a	4.9 a	55.5 a	15.6 a	65.4 b	0.8 ab	0.6 a
Veltyma (R3) 7 oz/a	10.0 a	55.2 a	15.6 a	75.7 ab	1.8 ab	1.0 a
USF0411 (R3) 8 oz/a	6.2 a	55.3 a	15.5 a	68.8 ab	1.6 ab	0.6 a
Delaro (R3) 8 oz/a	8.5 a	55.2 a	15.5 a	78.7 a	1.0 ab	0.8 a
Topguard EQ (R3) 5 oz/a	6.2 a	55.1 a	15.8 a	68.2 ab	1.8 ab	0.6 a
Lucento (R3) 5 oz/a	7.1 a	54.9 a	15.6 a	71.5 ab	1.8 ab	1.2 a
Miravis Neo (R3) 13.7 oz/a	4.4 a	55.5 a	15.2 a	71.2 ab	0.6 b	1.0 a
Miravis Top (R3) 13.7 oz/a	5.8 a	55.5 a	15.2 a	71.0 ab	1.0 ab	0.6 a
Quadris Top SBX (R3) 8 oz/a	8.7 a	55.5 a	15.3 a	74.9 ab	0.6 b	0.6 a
Miravis Neo (R5) 13.7 oz/a	6.9 a	55.1 a	15.4 a	71.9 ab	3.0 a	1.0 a
Miravis Top (R5) 13.7 oz/a	7.0 a	55.0 a	15.4 a	70.7 ab	0.8 ab	0.4 a
Miravis Neo (R3) fb Trivapro (R5) 13.7 + 13.7 oz/a	7.4 a	55.3 a	15.6 a	66.3 ab	0.8 ab	0.4 a
<i>p</i> -value	0.184	0.141	0.30	0.04	0.017	0.844
LSD ($\alpha=0.05$)	3.654	0.452	0.491	7.52	1.35	1.05

^zR3 treatments applied 7/30/20, R5 8/12/20 using a CO₂ pressurized backpack sprayer equipped with extended range 8002VS flat fan nozzles calibrated to deliver 20 GPA at 40 psi. Plots were set up in a randomized complete block design with five replications. All treatments included 0.125% non-ionic surfactant, Induce 90SL.

^y Percent of green stems out of total stems in rows 2 and 3 of each plot the day of harvest. Means followed by the same letter are not significantly different based on Fisher's Least Significant Difference (LSD; $\alpha=0.05$).

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

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

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