

Carvel Research and Education Center Georgetown, DE
2019 Soybean Fungicide Trial

Variety: CZ 4105LL treated with Poncho/VoTiVo + Ileva
Plant Population: 180,000 sd/a

Planting Date: 6/5/19
Harvest Date: 10/18/19

Treatment ^z	NIS	% Green Stems 10/7/19 ^y x	% Green Stems at Harvest	Test Weight	Moisture	Yield ^w	Avg. Purple Seed Stain ^v
Topguard EQ(R3) 5 oz/a	0.5% v/v Cide Winder	29.5 cd	6.5 a	55.7 a	13.1 a	38.5 a	0.3 a
Lucento (R3) 5 oz/a	0.5% v/v Cide Winder	22.0 cde	7.8 a	53.7 a	13.0 a	35.9 a	0.2 a
Affiance (R3) 10 oz/a	0.25% v/v Induce	30.3 bcd	12.6 a	54.6 a	13.1 a	37.6 a	0.3 a
Domark (R3) 4 oz/a	0.25% v/v Induce	30.3 bcd	11.2 a	54.7 a	12.9 a	39.5 a	0.5 a
Priaxor (R3) 4 oz/a	0.25% v/v Induce	16.1 e	6.3 a	52.6 a	13.0 a	33.0 a	1.4 a
Veltyrna (R3) 7 oz/a	0.25% v/v Induce	47.4 a	15.8 a	55.3 a	13.1 a	42.4 a	0.2 a
Revytek (R3) 8 oz/a	0.25% v/v Induce	32.0 bcd	14.5 a	55.8 a	13.2 a	38.8 a	0.0 a
Delaro (R3) 8 oz/a	0.125% v/v Induce	32.5 bcd	9.1 a	54.2 a	13.1 a	37.7 a	0.6 a
Miravis Neo (R3) 13.7 oz/a	0.125% v/v Induce	33.0 bc	11.2 a	53.8 a	12.8 a	35.7 a	0.1 a
Miravis Top (R3) 13.7 oz/a	0.125% v/v Induce	42.8 ab	9.2 a	55.5 a	13.1 a	37.2 a	0.3 a
Quadris Top SBX (R3) 8 oz/a	0.125% v/v Induce	35.0 abc	10.5 a	56.6 a	13.2 a	41.6 a	0.0 a
Trivapro (R3) 13.7 oz/a	0.125% v/v Induce	24.8 cde	9.5 a	54.7 a	12.9 a	39.0 a	0.3 a
Control	--	19.3 de	4.4 a	54.6 a	13.1 a	36.8 a	0.8 a
<i>p</i> -value		13.2	7.7	4.1	0.5	7.4	0.8
LSD ($\alpha=0.05$)		0.0012	0.176	0.917	0.967	0.59	0.083

^zAll treatments applied 8/9/19 using a CO₂ pressurized backpack sprayer equipped with extended range 8002VS flat fan nozzles calibrated to deliver 20 GPA at 60 psi. Plots were set up in a randomized complete block design with five replications.

^y Number of green stems out of total stems in rows 2 and 3 of each plot.

^xMeans followed by the same letter are not significantly different based on Fisher's Least Significant Difference (LSD; $\alpha=0.05$).

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

^v Subsamples from each plot were collected at harvest. The number of seeds per 15g with discoloration from purple seed stain was used to calculate average purple seed stain.