

Response of Maturity Group V early soybean cultivars to stem canker, 2016.

Company/Cultivar	Stem canker rating^{1,2}	Cultivar designation³
DG 5128 (Check)	5.56 a	MS
Armor 55-R68	0.50 cd	R
Credenz CZ 5375 RY	0.03 d	R
Croplan R2C5225S	0.56 cd	R
Croplan R2C5265	0.00 d	R
Delta Grow DG 5170RR2/STS	0.06 d	R
Delta Grow DG 5230RR2	0.28 cd	R
Delta Grow DG 5555RR	0.84 cd	R
Delta Grow DG 5580RR2	0.13 d	R
Delta Grow DG 5625RR2	0.22 cd	R
Dyna-Gro S52RY75	1.06 cd	R
Dyna-Gro S56RY84	0.78 cd	R
GoSoy 5214GTS	2.06 bc	R
Mycogen 5N523R2	0.59 cd	R
NK S55-Q3	0.59 cd	R
NK S56-M8	0.00 d	R
Pioneer P52T50R	0.88 cd	R
Pioneer P55T81R	0.84 cd	R
Progeny Ag Products P 5226RYS	0.06 d	R
Progeny Ag Products P 5555RY	0.38 cd	R
Terral [®] REV 51A56 [™]	0.00 d	R
Terral [®] REV 52A94 [™]	3.34 b	MR
Terral [®] REV 56R93 [™]	0.03 d	R
Univ. of Arkansas R10-197RY	0.59 cd	R
Univ. of Arkansas R11-89RY	1.31 cd	R
Univ. of Arkansas UA 5414RR(R04-1268RR)	0.66 cd	R
LSD (0.05)	1.8	-
CV (%)	159.4	-
<i>P</i> -value for F-statistic	<0.0001	-

¹Stem Canker Reaction-8 plants per plot were inoculated with infested toothpicks. Ratings were given by individual plant reaction using a modified 0-9 scale based on lesion severity and are presented as the average for the eight plants. Where a lesion did not appear, a rating of 0 (Resistant) was assessed. Ratings were assessed based on the presence of a lesion whereby a reaction that produced a visible lesion that did not expand up the length of the stem was assessed as a 1. Dead plants with lesions that extended up most of the plant's length received a score of 9.

²Means followed by the same letter(s) within a column are not significantly different according to Fisher's Protected LSD ($P=0.05$).

³By using the Mean Disease Rating, a standardized designation system is as follows: 1 = Resistant, 3 = Moderately Resistant, 5 = Moderately Susceptible and 7 = Susceptible.