

Response of Maturity Group V early soybean cultivars to stem canker, 2017.

Company/Cultivar	Stem canker rating^{1,2}	Cultivar designation³
DG 5128 (check)	4.2 a-c	MR
AG 53X6	3.5 a-g	MR
AgriGold G5000RX	1.7 a-g	R
Armor 53-D04	2.8 a-g	R
Armor 55-R68	4.4 a-d	MR
Armor ARX5107	3.8 a-d	MR
Armor ARX5607	3.6 a-e	MR
Asgrow AG51X8	5.1 ab	MS
Asgrow AG55X7	2.5 a-g	MR
Asgrow AG55X8	0.0 h	R
Credenz CZ 5375 RY	0.8 d-h	R
Delta Grow DG 5128	3.9 a-d	MR
Delta Grow DG5170 RR2/STS	1.4 b-h	R
Delta Grow DG5555 RR	1.6a-h	R
Delta Grow DG5580 RR2	2.1 a-h	R
Dyna-Gro S52RY75	2.2 b-h	R
Dyna-Gro S56RY84	2.3 c-h	R
Dyna-Gro S56XT98	5.6 a-d	MS
Dyna-Gro SX17651XS	0.0 h	R
Go Soy 54G16	4.5 a-f	MR
Great Heart Seed GT-5324X	1.7 c-h	R
NK S52-Y7X	3.3 a-g	MR
Pioneer P50T56X	1.9 c-h	R
Pioneer P50T92X	3.3 a-g	MR
Pioneer P52A26R	0.3 gh	R
Pioneer P54A54X	2.0 a-h	R
Pioneer P55A49X	5.5 a-d	MS
Progeny P 5555 RY	2.1 a-h	R
Progeny P5016RXS	0.2 gh	R
Progeny P5157RXS	0.0 h	R
Progeny P5376RX	4.5 a-d	MR
Progeny P5417RX	3.9 a-g	MR
Progeny P5688RX	6.3 a	MS
Terral 55A67	0.5 e-h	R
Terral REV 50A47	1.7 b-h	R
Terral REV 51A56	0.5 e-h	R
Terral REV 56A58	3.3 a-f	MR
Terral REV 56R63	0.6 e-h	R
Univ. of Arkansas UA 5414RR(R04-1268RR)	4.0 a-d	MR
Univ. of Missouri S14-9017R	0.6 e-h	R
USG 7547XT	1.1c-h	R
USG 7568XT	5.3 a	MS
MSE (0.05)	720.16	-
CV (%)	40.66	-
<i>P</i> -value for F-statistic	0.0016	-

¹Stem Canker Reaction-Eight 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.