

Response of Maturity Group V Conventional soybean cultivars to stem canker, 2018.

Company/Cultivar	Stem canker rating^{1,2}	Cultivar designation³
J77-339 (check)	4.0 a	MR
Univ. of Missouri S11-17025 (2017 check)	1.9 bc	R
Go Soy 51C17	0.2 c	R
Go Soy 53C16	1.3 bc	R
Go Soy 56C16	0.2 c	R
Univ. of Missouri M05201D CONV	0.0 c	R
Univ. of Missouri S11-20242C	2.2 ab	R
Univ. of Missouri S13-1955C	1.6 bc	R
Univ. of Missouri S15-10434C	1.6 bc	R
LSD (0.05)	2.0	
CV (%)	95.0	
<i>P</i> -value for F-statistic	0.0101	

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.