

Response of Maturity Group V conventional soybean cultivars to stem canker, 2019.

Company/Cultivar	Stem canker rating^{1,2}	Cultivar designation³
J77-339 (check)	1.9 bc	R
Univ. of Missouri MO5201D Conv	0.5 c	R
Univ. of Missouri S11-17025	0.2 c	R
Univ. of Missouri S11-20242C	4.4 a	MS
Univ. of Missouri S13-1955C	0.9 c	R
Univ. of Missouri S15-10434C	3.5 ab	MR
LSD (0.05)	2.5	
CV (%)	87.7	
<i>P</i> -value for F-statistic	0.0135	

¹Stem canker reaction-10 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.