

Response of maturity group V Conventional and RoundUp Ready soybean cultivars to stem canker, 2021.

Company/Cultivar	Stem canker Rating^{1,2}	Cultivar designation³
J77-339 (check)	6.2 a	MS
Univ. of Missouri S16-15809C (check)	0.1 c	R
Univ. of Arkansas R13-13997	2.0 b	R
Univ. of Arkansas R15-1587	0.1 c	R
Univ. of Arkansas UA54i19GT(R1	3.2 b	MR
Univ. of Missouri S16-11651C	2.5 b	R
Univ. of Missouri S16-14801C	0.0 c	R
Univ. of Missouri S16-15170C	0.0 c	R
Univ. of Missouri S16-3747RY	0.0 c	R
Univ. of Missouri S16-7840C	3.4 b	MR
Univ. of Missouri S16-9090C	3.2 b	MR
Univ. of Missouri S16-9478C	2.1 b	R
	MSE	31.1
	CV (%)	22.8
	<i>P</i> -value for F-statistic	<0.0001

¹Stem Canker Reaction-Ten plants per plot were inoculated with fungus-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 ten 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.