

Response of Maturity Group V Conventional, LibertyLink, and RoundUp Ready soybean cultivars to stem canker, 2020.

Company/Cultivar	Stem canker rating^{1,2}	Cultivar designation³	
J77-339 (check)	3.4 ab	MR	
Univ. of Missouri S15-10434C (check)	2.5 ab	R	
Go Soy 50G17	2.5 b	R	
Petrus Seed 5319 GT	0.0 c	R	
Univ. Of Arkansas R13-14635RR	0.2 c	R	
Univ. of Missouri S11-20242C	0.0 c	R	
Univ. of Missouri S16-11651C	4.1 a	MR	
Univ. of Missouri S16-15170C	0.0 c	R	
Univ. of Missouri S16-15809C	4.8 a	MR	
Univ. of Missouri S16-3739RY	1.7 b	R	
Univ. of Missouri S16-3747RY	0.0 c	R	
	MSE	47.9	-
	CV (%)	30.8	-
	<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.