

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

<b>Company/Cultivar</b>	<b>Stem canker rating<sup>1,2</sup></b>	<b>Cultivar designation<sup>3</sup></b>
J77-339 (check)	2.1	R
Go Soy 48C17S	1.0	R
Univ. of Missouri S13-10590C	0.7	R
Univ. of Missouri S13-10590C	0.2	R
Univ. of Missouri S13-10592C	0.2	R
Univ. of Missouri S13-1955C	1.2	R
Univ. of Missouri S13-2743C	0.3	R
Univ. of Missouri S13-3851C	1.3	R
Univ. of Missouri S16-14379C	0.1	R
Univ. of Missouri S16-14730C	0.3	R
Virtue V4520S	0.8	R
Virtue V4720S	1.5	R
Virtue V4920S	0.6	R
LSD (0.05)	1.4	
CV (%)	129.9	
<i>P</i> -value for F-statistic	0.1992	

<sup>1</sup>Stem 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.

<sup>2</sup>Means followed by the same letter(s) within a column are not significantly different according to Fisher's Protected LSD ( $\alpha=0.05$ ).

<sup>3</sup>By using the Mean Disease Rating, a standardized designation system is as follows: 1 = Resistant, 3 = Moderately Resistant, 5 = Moderately Susceptible and 7 = Susceptible.