

**Response of Maturity Group IV conventional soybean cultivars to stem canker, 2018.**

<b>Company/Cultivar</b>	<b>Stem canker rating<sup>1,2</sup></b>	<b>Cultivar designation<sup>3</sup></b>
J77-339 (check)	2.7 abc	MR
Univ. of Missouri S14-6391C (2017 check)	0.5 bcd	R
GDM Seeds 2987331 (GDM_2)	0.6 a-d	R
GDM Seeds 2987416 (GDM_1)	0.1 d	R
Go Soy 43C17S	3.2 a	MR
Go Soy E4510S	3.1 a	MR
Go Soy Ireane	0.0 d	R
Univ. of Missouri S13-10590C	3.0 ab	MR
Univ. of Missouri S13-10592C	0.6 a-d	R
Univ. of Missouri S13-2743C	0.3 cd	R
Univ. of Missouri S13-3851C	2.3 a-d	R
LSD (0.05)	2.6	
CV (%)	121.2	
<i>P</i> -value for F-statistic	0.0436	

<sup>1</sup>Stem 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.

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

<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.