

**Response of Maturity Group IV conventional soybean cultivars to stem canker, 2017.**

<b>Company/Cultivar</b>	<b>Stem canker rating<sup>1,2</sup></b>	<b>Cultivar designation<sup>3</sup></b>
J77-339 (check)	8.0 a	S
Go Soy Irene	0.3 d	R
Univ. of Arkansas 4805	4.0 bc	MR
Univ. of Missouri S11-20337	5.8 ab	MS
Univ. of Missouri S12-2418	2.5 cd	R
Univ. of Missouri S12-3782	3.1 c	MR
Univ. of Missouri S13-10590C	3.2 c	MR
Univ. of Missouri S13-1805C	4.9 bc	MR
Univ. of Missouri S13-2743C	3.3 bc	MR
Univ. of Missouri S13-3851C	4.6 bc	MR
Univ. of Missouri S14-6391C	8.2 a	S
MSE (0.05)	69.54	-
CV (%)	37.06	-
<i>P</i> -value for F-statistic	<0.0001	-

<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.