

Response of Maturity Group IV conventional soybean cultivars to stem canker, 2016.

Company/Cultivar	Stem canker rating^{1,2}	Cultivar designation³
J77-339 (Check)	3.47 ab	MR
GoSoy 483.C	2.47 bc	R
GoSoy Irene	0.00 d	R
Univ. of Missouri S12-2418	0.09 d	R
Univ. of Missouri S12-3782	0.94 cd	R
Univ. of Missouri S12-3791	5.53 a	MS
USG Ellis	1.22 cd	R
LSD (0.05)	2.2	-
CV (%)	74.5	-
<i>P</i> -value for F-statistic	0.0004	-

¹Stem Canker Reaction-8 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.

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.