

Disease ratings of Maturity Group V conventional soybean cultivars to stem canker, 2015.

Cultivar	Stem canker rating^{1,2}	Cultivar designation³
J77-339 (susceptible check)	5.72 ab	MS
Go Soy Leland	5.69 ab	MS
Univ. of Missouri S11-16653	0.00 d	R
Univ. of Missouri S11-17025	5.50 ab	MS
Univ. of Missouri S11-20124	6.85 a	MS
Univ. of Arkansas OSAGE	0.75 d	R
Univ. of Arkansas R09-430	3.91 bc	MR
Univ. of Arkansas R10-230	0.47 d	R
Univ. of Arkansas UA 5213C	0.13 d	R
Univ. of Arkansas UA 5612	1.47 d	R
USDA-ARS JTN-5110	1.85 cd	R
LSD (0.05)	2.1	-
CV (%)	49.6	-
<i>P</i> -value for F-statistic	<0.0001	-

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.