

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

Cultivar	Stem canker rating^{1,2}	Cultivar designation³
J77-339 (susceptible check)	6.75 a	MS
Go Soy 5	0.85 b	R
Go Soy Glider	0.44 b	R
Go Soy Irene	0.03 b	R
Univ. of Arkansas R09-1589	7.94 a	S
Univ. of Arkansas UA 5014C (R05-3239)	0.00 b	R
Univ. of Arkansas UA 5714HP (R09-3789)	0.00 b	R
Univ. of Missouri S12-3791	5.72 a	MS
USG Ellis	0.00 b	R
LSD (0.05)	2.8	-
CV (%)	80.9	-
<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.