

Response of Maturity Group V LibertyLink soybean cultivars to stem canker, 2017.

Company/Cultivar	Stem canker rating^{1,2}	Cultivar designation³
Dyna-Gro 4567LL (check)	7.6 a	S
Armor 53-L55	2.5 b-d	R
Credenz CZ 5147 LL	7.3 a	S
Credenz CZ 5150 LL	0.3 d	R
Credenz CZ 5242 LL	4.7 ab	MR
Credenz CZ 5515 LL	2.9 b-d	R
Credenz CZ 5727 LL	3.4 bc	MR
Delta Grow DG 5067LL	3.1 b-d	MR
Dyna-Gro S52LL66	4.4 a-c	MR
Dyna-Gro S55LS75	4.5 ab	MR
Go Soy 5115LL	1.4 cd	R
Go Soy 5215LL	3.3 bc	MR
Go Soy 5515LL	2.5 b-d	R
MSE (0.05)	146.22	-
CV (%)	45.63	-
<i>P</i> -value for F-statistic	0.0038	-

¹Stem 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.

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.