

Response of Maturity Group IV LibertyLink soybean cultivars to stem canker, 2019.

Company/Cultivar	Stem canker rating^{1,2}	Cultivar designation³
Dyna-Gro 4567LL (check)	0.2	R
Credenz CZ 3601 LL (2018 check)	1.6	R
Credenz CZ 3929GTLL	0.5	R
Credenz CZ 4539GTLL	0.7	R
Credenz CZ 4649LL	0.2	R
Delta Grow 4977 LL/STS	0.2	R
Go Soy 44GL18	1.1	R
Go Soy 46GL18	1.8	R
LSD (0.05)	1.6	
CV (%)	141.7	
<i>P</i> -value for F-statistic	0.2787	

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.