

Response of Maturity Group IV LibertyLink soybean cultivars to stem canker, 2018.

Company/Cultivar	Stem canker rating^{1,2}	Cultivar designation³
Dyna-Gro 4567LL (Check)	4.2 a	MR
Delta Grow DG4781 LL (2017 check)	1.5 bcd	R
Credenz CZ 3601 LL	2.6 ab	MR
Credenz CZ 3841 LL	2.0 bc	R
Credenz CZ 4105 LL	1.6 bcd	R
Credenz CZ 4222 LL	1.4 bcd	R
Credenz CZ 4308 LL	0.8 cd	R
Credenz CZ 4540 LL	0.0 d	R
Credenz CZ 4548 LL	0.0 d	R
Credenz CZ 4649 LL	0.6 cd	R
Credenz CZ 4748 LL	1.2 bcd	R
Credenz CZ 4820 LL	1.0 cd	R
Credenz CZ 4918 LL	0.5 cd	R
Credenz CZ 4938 LL	0.0 d	R
Delta Grow DG 4587 LL/STS	0.0 d	R
Delta Grow DG 4977 LL/STS	1.5 bcd	R
Dyna-Gro S45LL97	0.0 d	R
Dyna-Gro S49LL34	0.0 d	R
Go Soy 49L17	0.1 d	R
Pioneer P44A08L	0.2 d	R
Pioneer P47A76L	0.0 d	R
Terral REV 46L99	0.4 cd	R
Terral REV 47L38	0.0 d	R
Terral REV 49L88	0.0 d	R
LSD (0.05)	1.6	
CV (%)	144.7	
<i>P</i> -value for F-statistic	<0.0001	

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.