

Response of Maturity Group IV Liberty Link soybean cultivars to stem canker, 2016.

Company/Cultivar	Stem canker rating^{1,2}	Cultivar designation³
Delta Grow DG 4567 (Check)	8.72 a	S
Credenz CZ 4044 LL	3.97 c	MR
Credenz CZ 4105 LL	3.03 cd	MR
Credenz CZ 4222 LL	1.44 cd	R
Credenz CZ 4540 LL	2.97 cd	R
Credenz CZ 4748 LL	0.53 d	R
Credenz CZ 4818 LL	3.84 c	MR
Credenz HBK LL4953	1.47 cd	R
Delta Grow DG 4587LL/STS	2.44 cd	R
Delta Grow DG 4967LL	2.84 cd	R
Delta Grow DG 4977LL/STS	2.06 cd	R
Delta Grow DG 4781LL	2.25 cd	R
Dyna-Gro S49LL34	3.47 cd	MR
GoSoy 4714LL	4.31 bc	MR
GoSoy 4912LL	8.22 a	S
GoSoy 4913LL	7.53 ab	S
Progeny Ag Products P 4247LL	7.72 a	S
Progeny Ag Products P 4814LLS	2.84 cd	R
Progeny Ag Products P 4930LL	2.44 cd	R
Terral [®] REV 49L49 [™]	1.19 cd	R
Terral [®] REV 48L63 [™]	2.22 cd	R
LSD (0.05)	3.2	-
CV (%)	63.9	-
<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.