

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

<b>Company/Cultivar</b>	<b>Stem canker rating<sup>1,2</sup></b>	<b>Cultivar designation<sup>3</sup></b>
Dyna-Gro 4567LL (check)	7.6 a	S
Armor47-L10	0.6 b-d	R
Credenz CZ 3841 LL	0.2 b-d	R
Credenz CZ 3945 LL	0.0 d	R
Credenz CZ 4044 LL	0.0 d	R
Credenz CZ 4105 LL	0.0 cd	R
Credenz CZ 4222 LL	1.8 a-c	R
Credenz CZ 4540 LL	0.4 b-d	R
Credenz CZ 4748 LL	0.4 cd	R
Credenz CZ 4818 LL	0.5 b-d	R
Credenz CZ 4820 LL	0.0 cd	R
Credenz HBK LL4953	0.0 d	R
Delta Grow DG4587 LL/STS	0.3 cd	R
Delta Grow DG4781 LL	1.4 ab	R
Delta Grow DG4967 LL	0.0 d	R
Delta Grow DG4977 LL/STS	0.0 d	R
Dyna-Gro S42LL63	0.0 d	R
Dyna-Gro S45LL97	0.4 cd	R
Dyna-Gro S49LL34	0.8 b-d	R
Go Soy 4714LL	0.5 b-d	R
GoSoy 4912LL	0.7 ab	R
Terral REV 45L57	1.1 a-c	R
Terral REV 48L63	0.0 d	R
Terral REV 49L88	0.0 cd	R
MSE (0.05)	401.32	-
CV (%)	42.17	-
<i>P</i> -value for F-statistic	0.0017	-

<sup>1</sup>Stem 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.

<sup>2</sup>Means followed by the same letter(s) within a column are not significantly different according to Fisher's Protected LSD ( $P=0.05$ ).

<sup>3</sup>By using the Mean Disease Rating, a standardized designation system is as follows: 1 = Resistant, 3 = Moderately Resistant, 5 = Moderately Susceptible and 7 = Susceptible.