

**Disease ratings of Maturity Group V LibertyLink soybean cultivars to stem canker, 2015.**

Cultivar	Stem canker rating <sup>1,2</sup>	Cultivar designation <sup>3</sup>	Cultivar	Stem canker rating <sup>1,2</sup>	Cultivar designation <sup>3</sup>
LL Check	0.41	R	Delta Grow DG 5467 LL	0.41	R
Armor 5.01	0.00	R	Dyna-Gro S52LL66	0.38	R
Armor 51X5L	0.00	R	Dyna-Gro S55LS75	0.00	R
Armor 53-L55	0.00	R	Go Soy 5115LL	0.06	R
Credenz CZ 5147 LL	0.03	R	Go Soy 5215LL	0.06	R
Credenz CZ 5150 LL	0.00	R	Go Soy 5515LL	0.00	R
Credenz CZ 5225 LL	0.03	R	Halo 5.26	0.91	R
Credenz CZ 5242 LL	0.03	R	Progeny Ag P 5160 LL	0.03	R
Credenz CZ 5445 LL	0.03	R	Progeny Ag P 5414 LLS	0.10	R
Credenz CZ 5515 LL	0.03	R	Progeny Ag P 5460 LL	0.31	R
Credenz CZ 5727 LL	0.00	R	Progeny Ag P 5960 LL	0.00	R
Delta Grow DG 5067 LL	0.00	R	Progeny Ag P 6355 LL	0.06	R
Delta Grow DG 5367 LL	0.28	R	REV 55L95	0.28	R
Delta Grow DG 5461 LL	0.06	R	USG 75G24L	0.32	R
LSD (0.05)	-	-		0.6	-
CV (%)	-	-		329.5	-
<i>P</i> -value for F-statistic	-	-		0.6692	-

<sup>1</sup>Stem 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.

<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.