

**Response of Maturity Group V Xtend soybean cultivars to stem canker, 2016.**

<b>Company/Cultivar</b>	<b>Stem canker rating<sup>1,2</sup></b>	<b>Cultivar designation<sup>3</sup></b>
Delta Grow DG 5128 (Check)	5.56 a	MS
Armor 53-D04	0.09 b	R
Armor ARX5506	0.72 b	R
Asgrow AG53X6	0.84 b	R
Asgrow AG54X6	0.25 b	R
Progeny Ag Products P 5016RXS	0.56 b	R
Progeny Ag Products P 5417RX	0.63 b	R
Progeny Ag Products P 5631RX	0.06 b	R
Progeny Ag ProductsP 5768RX	0.34 b	R
USG 7506XTS	0.22 b	R
USG 7536XT	0.31 b	R
USG 7547XT	0.59 b	R
USG 7557XT	0.03 b	R
USG7576XT	0.00 b	R
LSD (0.05)	1.2	-
CV (%)	113.6	-
<i>P</i> -value for F-statistic	<0.0001	-

<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.