

**Response of maturity group V early Xtend soybean cultivars to stem canker, 2020.**

<b>Company/Cultivar</b>	<b>Stem canker rating<sup>1,2</sup></b>	<b>Cultivar designation<sup>3</sup></b>	
Progeny P5688RX (check)	6.3 a	MS	
Asgrow AG52X9	0.0 b	R	
Asgrow AG53X0	0.0 b	R	
Asgrow AG53X9	0.0 b	R	
Asgrow AG55X0	0.4 b	R	
Credenz CZ 5000X	0.0 b	R	
Credenz CZ 5251X	0.0 b	R	
Credenz CZ 5299X	0.1 b	R	
Credenz CZ 5420X	0.0 b	R	
Credenz CZ 5700	0.2 b	R	
Delta Grow 52X05/STS	1.6 b	R	
Delta Grow 54X25	1.5 a	R	
Dyna-Gro GS5261X	0.0 b	R	
Dyna-Gro S52XS39 (SX 18652XS)	0.0 b	R	
Dyna-Gro S56XT99	0.2 b	R	
GDM Seeds DM 51X61	0.0 b	R	
Great Heart Seed GT-5214X	0.0 b	R	
Great Heart Seed GT-5417X	0.0 b	R	
Local Seed Co. LS5009XS	0.2 b	R	
Local Seed Co. LS5087X	0.0 b	R	
Local Seed Co. LS5386X	0.0 b	R	
MorSoy MS 5398 RXT	0.0 b	R	
NK S51-R3XS	0.0 b	R	
NK S53-F7X	0.0 b	R	
Pioneer P53A67X	0.0 b	R	
Pioneer P55A49X	0.0 b	R	
Progeny Ag 5016RXS	0.0 b	R	
Progeny Ag 5170RX	0.0 b	R	
Progeny Ag 5252RX	0.0 b	R	
Progeny Ag 5554RX	0.0 b	R	
Terral REV 5659X	0.0 b	R	
	MSE	232.9	-
	CV (%)	24.4	-
	<i>P</i> -value for F-statistic	<0.0001	-

<sup>1</sup>Stem Canker Reaction-Ten plants per plot were inoculated with fungus-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 ten 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.