

**Response of Maturity Group V RoundUp Ready and Enlist cultivars to stem canker, 2019.**

<b>Company/Cultivar<sup>1</sup></b>	<b>Stem canker rating<sup>2,3</sup></b>	<b>Cultivar designation<sup>4</sup></b>
Progeny P5688RX (check)	0.5	R
Go Soy 54G16 (check)	0.1	R
Delta Grow 52E22	0.9	R
Delta Grow 5585 RR2/STS	0.4	R
Go Soy 50G17	0.0	R
Go Soy 512E18	0.2	R
*Terral REV 5190E	1.4	R
Univ. of Missouri S14-9017R	0.0	R
Univ. of Missouri S16-3747RY	0.2	R
LSD (0.05)	1.3	
CV (%)	229.2	
<i>P</i> -value for F-statistic	0.4468	

<sup>1</sup>An asterisk (\*) denotes a variety that was supplemented for the purposes of gaining additional information on varieties that may be planted in the MS soybean production system but were not a part of the 2019 MSU OVT program.

<sup>2</sup>Stem canker reaction-10 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>3</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>4</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.