

Response of maturity group IV Enlist soybean cultivars to stem canker, 2021.

Company/Cultivar¹	Stem canker Rating^{2,3}	Cultivar designation⁴	
Agrigold G4440RX (Check)	4.3 a	MR	
Progeny P4255 (Check)	.	-	
*Delta Grow DG45E10	0.1 b	R	
Delta Grow DG46E10	0.0 c	R	
Delta Grow DG47E20	0.0 c	R	
Delta Grow DG48E49 STS	0.0 c	R	
Delta Grow DG48E59	0.0 b	R	
Delta Grow DG49E20	0.1 b	R	
DonMario DM48E62S	0.0 c	R	
Dyna-Gro S45ES10	0.0 c	R	
Dyna-Gro S46ES91	0.0 c	R	
Dyna-Gro S49EN79	1.4 a	R	
Innictis Seed B 4141E	0.0 c	R	
Innictis Seed B 4681E	0.0 c	R	
Innictis Seed B 4841E	0.0 c	R	
*Pioneer P44T04SE	0.0 c	R	
*Pioneer P45T88E	0.0 c	R	
Pioneer P46T51E	0.0 c	R	
Pioneer P49T62E	0.0 c	R	
Progeny P 4541E3S	0.0 c	R	
Progeny P 4775E3S	0.0 c	R	
Progeny P 4931E3S	0.0 c	R	
	MSE	35.1	-
	CV (%)	13.9	-
	<i>P</i> -value for F-statistic	<0.0001	-

¹An asterisk denotes an entry that was added to supplement the set of entries evaluated through toothpick inoculation. Information from the given entry will only be included in these data tables and may not represent the greater set of data generated by the Mississippi State University Official Variety Testing Program as this entry was not provided for comparison in the greater 2021 soybean OVT program conducted throughout Mississippi.

²Stem 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.

³Means followed by the same letter(s) within a column are not significantly different according to Fisher's Protected LSD ($P=0.05$).

⁴By using the Mean Disease Rating, a standardized designation system is as follows: 1 = Resistant, 3 = Moderately Resistant, 5 = Moderately Susceptible and 7 = Susceptible.