

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

Company/Cultivar¹	Stem canker Rating^{2,3}	Cultivar designation⁴
Petrus Seed 4916GT (Check)	7.4 a	S
AgriGold G4813XF	0.0 d	R
AgriGold G4820RX	0.0 d	R
Armor 48-D03	0.0 d	R
Armor 48-D25	0.0 d	R
Armor 48-F22	2.0 a	R
Asgrow AG46X6	0.2 c	R
Asgrow AG47XF0	0.0 d	R
Asgrow AG47XF2	0.0 d	R
Asgrow AG48XF0	0.3 cd	R
Asgrow AG48XF2	0.0 d	R
Beck's Hybrids 4885XF	0.0 d	R
Beck's Hybrids 4991X2	0.1 cd	R
Credenz CZ 4742XF	0.9 cd	R
Credenz CZ 4892XF	0.0 d	R
Credenz CZ 4912XF	0.0 d	R
*Delta Grow 47X95RR2X	0.0 d	R
Delta Grow 48F20	0.0 d	R
Delta Grow 48X45	3.1 a	MR
Delta Grow 49F22/STS	0.0 d	R
DonMario DM48F61	0.0 d	R
Dyna-Gro S48XT90	0.1 cd	R
Dyna-Gro S49XT70	0.0 d	R
Great Heart Seed GT-4750XFS	0.0 d	R
Great Heart Seed GT-4828X	0.0 d	R
Great Heart Seed GT-4841XFS	0.0 d	R
Great Heart Seed GT-4979X	0.2 cd	R
Innictis Seed A 4791XF	0.0 d	R
Innictis Seed A 4831XF	0.0 d	R
Innictis Seed A 4850XF	0.0 d	R
Innictis Seed A 4950X	2.1 a	R
Local Seed Company LS4707XF	0.2 cd	R
Local Seed Company LS4718XF	0.0 d	R
Local Seed Company LS4795XS	0.0 d	R
Local Seed Company LS4805XFS	3.4 ab	MR
Local Seed Company LS4806XS (LSX48	0.1 cd	R
Local Seed Company LS4919XFS	0.0 cd	R
MorSoy MS 4850 XF/STS	0.0 d	R
*NK S47-Y9X	0.1 cd	R
NK S49-F5X	0.1 cd	R
Pioneer P47A64X	0.0 d	R
*Pioneer P48A60X	0.0 d	R
Progeny P 4806XFS	0.0 d	R
Progeny P 4816RX	0.4 bc	R
Progeny P 4821RX	0.1 cd	R
Progeny P 4851RX	0.1 cd	R
Progeny P 4921XFS	0.0 d	R
Progeny P 4970RX	0.1 cd	R
USG 7481XF	0.0 d	R
*USG 7489XT	0.5 cd	R
USG 7491XFS	3.0 a	MR
MSE	904.9	-
CV (%)	27.7	-
P-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.