

Response of maturity group IV late Xtend soybean cultivars to stem canker, 2020.

Company/Cultivar	Stem canker rating^{1,2}	Cultivar designation³
LG Seeds LGS4931RX (check)	0.0	R
Petrus Seed 4916GT (check)	3.4	MR
AgriGold G4820RX	0.0	R
AgriGold G4995RX	0.0	R
AGS GS47X19	0.0	R
AGS GS48X19	0.0	R
AGS GS49X21	0.0	R
Armor 48-D25	0.0	R
Armor 49-D14	0.3	R
Asgrow AG48X9	0.0	R
Credenz CZ 4730X	0.2	R
Credenz CZ 4770X	0.0	R
Credenz CZ 4810X	0.0	R
Credenz CZ 4869X	0.2	R
Credenz CZ 4941X	0.5	R
Credenz CZ 4979X	0.0	R
Delta Grow 47X95	0.0	R
Delta Grow 48X05	0.5	R
Delta Grow 48X45	0.0	R
Delta Grow 49X15	0.0	R
Delta Grow 49X25	0.0	R
Dyna-Gro S47XT20	0.0	R
Dyna-Gro S48XT56	0.5	R
Dyna-Gro S48XT90	0.2	R
Dyna-Gro S49XT21	0.1	R
Dyna-Gro S49XT70	0.0	R
GDM Seeds DM 47X39	0.0	R
GDM Seeds DM 49X13	0.0	R
Great Heart Seed GT-4828X	0.0	R
Great Heart Seed GT-4833XS	0.0	R
Great Heart Seed GT-4979X	0.0	R
LG Seeds LGS4899RX	0.0	R
Local Seed Co. LS4795XS (LSX4601XS)	0.0	R
Local Seed Co. LS4999X (LSX4901X)	0.0	R
Local Seed Co. LSX4612XS	0.2	R
Local Seed Co. LSX4812XS	0.0	R
Mission A4828X	0.0	R
Mission A4950X	0.0	R
MorSoy MS 4846 RXT	0.0	R
NK S47-Y9X	0.0	R
NK S49-F5X	0.0	R
Pioneer P48A60X	0.0	R
Progeny Ag 4700RXS	0.0	R
Progeny Ag 4816RX	0.0	R
Progeny Ag 4821RX	0.5	R
Progeny Ag 4851RX	0.0	R
Progeny Ag 4970RX	0.0	R
Taylor Seed T4880XS	0.0	R
Taylor Seed T4990XS	0.0	R
Terral REV4927X	0.2	R
Terral REV4940X	0.0	R
USG 7480XT	0.0	R
USG 7489XT	2.1	R
USG 7496XTS	0.2	R
MSE	816.7	-
CV (%)	26.3	-
<i>P</i> -value for F-statistic	0.0704	-

¹Stem 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.

²Means followed by the same letter(s) within a column are not significantly different according to Fisher's Protected LSD ($P=0.05$).

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