

Disease ratings of maturity group IV enlist soybean cultivars to stem canker, 2020.

| Company/Cultivar | Stem canker rating^{1,2} | Cultivar designation³ | |
|--------------------------------------|---|---|---|
| Delta Grow 48E49 (check) | 0.2 | R | |
| Armor 46-E50 | 0.0 | R | |
| Armor 48-E81 | 0.2 | R | |
| Delta Grow 45E28XP | 0.0 | R | |
| Delta Grow 47E20/STS | 0.0 | R | |
| Delta Grow 47E80/STS | 0.0 | R | |
| Delta Grow 48E10 | 0.0 | R | |
| Delta Grow 48E49/STS | 0.0 | R | |
| Delta Grow 49E00/STS | 0.2 | R | |
| GDM Seeds DM 48E73 | 0.0 | R | |
| Go Soy 463E20S | 0.0 | R | |
| Go Soy 473E20 | 0.0 | R | |
| Go Soy 481E19 | 0.5 | R | |
| Go Soy 491E19S | 0.0 | R | |
| Local Seed Co. ZS4694E3S (LSX4602ES) | 0.0 | R | |
| MorSoy MS 4800E | 0.2 | R | |
| Pioneer P49T62E | 0.2 | R | |
| Progeny Ag 4241E3 | 0.0 | R | |
| Progeny Ag 4682E3 | 0.0 | R | |
| Progeny Ag 4775E3S | 0.0 | R | |
| Progeny Ag 4807E3S | 0.0 | R | |
| Progeny Ag 4902E3 | 0.0 | R | |
| Progeny Ag 4908E3S | 0.2 | R | |
| Terral REV4731E | 0.0 | R | |
| Terral REV4990E | 0.0 | R | |
| USG 7491ETS | 0.0 | R | |
| | MSE | 223.2 | - |
| | CV (%) | 28.4 | - |
| | <i>P</i> -value for F-statistic | 0.5072 | - |

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.