

Response of Maturity Group IV late soybean cultivars to stem canker, 2017.

Company/Cultivar	Stem canker rating^{1,2}	Cultivar designation³
Dyna-Gro 39RY43 (Check)	6.6 a-d	MS
AgriGold G4835RX	4.8 a-j	MR
AgriGold G4990RX	6.5 a-c	MS
AGS GS48R216	5.4 a-i	MS
Armor 4744	6.3 a-c	MS
Armor 47-R70	6.3 a-f	MS
Armor ARX4807	5.9 a-g	MS
Armor ARX4817	3.8 c-p	MR
Asgrow AG47X6	1.5 o-v	R
Asgrow AG48X8	1.6 o-v	R
Croplan R2C4775	4.1 b-m	MR
Croplan RX4825	0.8 r-v	R
Delta Grow DG4790 RR2	3.5 g-s	MR
Delta Grow DG4825 RR2/STS	1.1 p-v	R
Delta Grow DG4835 RR2X	5.6 a-h	MS
Delta Grow DG4845 RR2X	0.6t-v	R
Delta Grow DG4880 RR	3.6 e-r	MR
Delta Grow DG4970 RR	1.9 m-v	R
Delta Grow DG4995 RR	3.6 d-q	MR
Dyna-Gro S48XT56	0.4 v	R
Dyna-Gro S49XS88	7.7 a	S
Dyna-Gro SX17648XT	2.4 j-v	R
Go Soy 49G16	5.7 a-g	MS
Great Heart Seed GT-4721X	3.4 d-r	MR
Great Heart Seed GT-477CR2	4.6 a-j	MR
Great Heart Seed GT-4817XS	4.3 b-m	MR
Great Heart Seed GT-5022XS	5.3 a-i	MS
NK S48-R2X	3.1 h-t	MR
Petrus Seed 479 GTS	6.8 ab	MS
Petrus Seed 4916 GT	6.4 a-d	MS
Pioneer P46A16R	1.0 q-v	R
Pioneer P47T89R	1.2 p-v	R
Pioneer P48T27X	2.9 i-u	R
Progeny P4757RY	4.4 b-m	MR
Progeny P4799RXS	0.5 uv	R
Progeny P4816RX	0.9 r-v	R
Progeny P4851RX	2.3 k-v	R
Progeny P4929RXS	5.1 a-j	MS
Progeny P4996RXS	6.7 a-d	MS
Terral REV 47R34	6.1 a-f	MS
Terral REV 4857X	3.7 f-r	MR
Terral REV 48A26	4.6 b-j	MR
Terral REV 48A76	3.9 c-o	MR
Terral REV 4927X	2.1 l-v	R
Terral REV 49R94	4.4 b-m	MR
Univ. of Missouri S14-15146R	2.8 i-v	R
USG 7487XTS	3.8 c-o	MR
USG 7496XTS	1.0 p-v	R
USG 7497XT	6.1 a-e	MS
USG 74K95RS	0.8 s-v	R
MSE (0.05)	1,689.24	-
CV (%)	41.31	-
P-value for F-statistic	<0.0001	-

¹Stem Canker Reaction-Eight 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.

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.