

Response of Maturity Group IV late soybean cultivars to stem canker, 2016.

Company/Cultivar	Stem canker rating^{1,2}	Cultivar designation³
Dyna-Gro 39RY43 (Check)	5.59 ab	MS
AGS GS47R216	1.06 ghi	R
AGS GS48R216	2.28 d-g	R
AGS GS4915R2	0.72 ghi	R
Armor 47-R70 (AR4705)	0.66 ghi	R
Credenz CZ 4898 RY	4.13 bcd	MR
Credenz CZ 4959 RY	0.03 i	R
Croplan R2C4700S	0.72 ghi	R
Croplan R2C4775	3.09 c-f	MR
Delta Grow DG 4790RR2	0.66 ghi	R
Delta Grow DG 4825RR2/STS	0.25 i	R
Delta Grow DG 4880RR	0.56 ghi	R
Delta Grow DG 4970RR	0.13 i	R
Delta Grow DG 4995RR	2.19 e-h	R
Dixie Bell DB 4787	4.88 abc	MR
Dixie Bell DB 4911	6.34 a	MS
Dixie Bell DB 4965	1.78 f-i	R
Dyna-Gro S48RS53	0.66 ghi	R
Go Soy 4814GTS	0.38 ghi	R
Go Soy 49G16	3.81 b-e	MR
Great Heart Seed GT-476CR2	1.72 f-i	R
Great Heart Seed GT-477CR2	0.00 i	R
Mycogen 5N480R2	0.31 hi	R
Mycogen 5N490R2	0.25 i	R
NK S47-K5	0.28 hi	R
NK S49-B1	0.34 hi	R
Pioneer P47T36R	0.00 i	R
Pioneer P47T89R	0.09 i	R
Progeny Ag Products P 4757RY	0.06 i	R
Progeny Ag Products P 4788RY	1.28 f-i	R
Progeny Ag Products P 4900RY	0.00 i	R
Terral [®] REV 47R34 [™]	0.00 i	R
Terral [®] REV 48A26 [™]	0.72 ghi	R
Terral [®] REV 48A76 [™]	0.06 i	R
Terral [®] REV 49A75 [™]	1.06 ghi	R
Terral [®] REV 49R94 [™]	0.00 i	R
USG 74K95RS	0.22 i	R
LSD (0.05)	1.9	-
CV (%)	109.9	-
<i>P</i> -value for F-statistic	<0.0001	-

¹Stem Canker Reaction-8 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.