

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

Company/Cultivar	Stem canker rating^{1,2}	Cultivar designation³
Dyna-Gro 39RY43 (Check)	4.75 a	MR
Asgrow AG 3735	0.81 cde	R
Asgrow AG 3832	0.84 cde	R
Asgrow AG 3936	2.28 bcd	R
Dyna-Gro 32Y39	0.09 e	R
Mycogen 5N393R2	3.78 ab	MR
Mycogen 5N406R2	1.31 cde	R
Mycogen5N342R2	3.91 ab	MR
NK Brand NK S37-Z8	2.47 bcd	R
NK Brand NK S39-C4	0.44 de	R
NK Brand NK S39-T3	0.78 cde	R
NK Brand NK S55-Q3	0.00 e	R
Pioneer 31T11R	0.59 cde	R
Pioneer 31T77R	2.66 bc	R
Pioneer 32T16R	0.59 cde	R
Pioneer 35T58R	0.56 de	R
Pioneer 36T86R	1.06 cde	R
Pioneer 39T67R	0.69 cde	R
Pioneer 41T33R	0.03 e	R
Pioneer 93Y05	0.00 e	R
Pioneer 93Y84	0.78 cde	R
Pioneer 93Y92	0.50 de	R
Terral [®] REV 38R10 [™]	0.84 cde	R
Terral [®] REV 39A35 [™]	0.16 e	R
Terral [®] REV 39A35 [™]	0.84 cde	R
LSD (0.05)	2.1	-
CV (%)	124.1	-
<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.