

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

<b>Company/Cultivar</b>	<b>Stem canker rating<sup>1,2</sup></b>	<b>Cultivar designation<sup>3</sup></b>
Dyna-Gro 39RY43 (Check)	4.75 a	MS
AGS GS45R216	0.31 de	R
Asgrow AG4632	0.59 cde	R
Credenz CZ 4181 RY	0.41 de	R
Credenz CZ 4590 RY	1.66 b-e	R
Credenz CZ 4656 RY	2.53 a-e	R
Delta Grow DG 4670RR2	3.00 a-d	MR
Delta Grow DG 4680RR2	0.94 b-e	R
Dyna-Gro 31RY45	0.56 de	R
Dyna-Gro S43RY95	0.47 de	R
Mycogen 5N414R2	1.00 b-e	R
Mycogen 5N424R2	1.69 b-e	R
Mycogen 5N433R2	0.28 e	R
Mycogen 5N452R2	0.88 b-e	R
NK S39-C4	3.34 ab	MR
NK S39-T3	4.97 a	MS
NK S42-P6	0.41 de	R
NK S45-W9	1.19 b-e	R
Pioneer P41T33R	0.34 de	R
Progeny Ag Products P 4211RY	3.28 abc	MR
Progeny Ag Products P 4588RY	1.09 b-e	R
Progeny Ag Products P 4613RYS	0.38 de	R
Terral <sup>®</sup> REV 45A46 <sup>™</sup>	0.06 e	R
LSD (0.05)	2.7	-
CV (%)	127.6	-
<i>P</i> -value for F-statistic	0.0045	-

<sup>1</sup>Stem 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.

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

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