

**Disease ratings of Maturity Group V early soybean cultivars to stem canker, 2015.**

Cultivar	Stem canker rating <sup>1,2</sup>	Cultivar designation <sup>3</sup>	Cultivar	Stem canker rating <sup>1,2</sup>	Cultivar designation <sup>3</sup>
Dyna-Gro 39RY43 (susceptible check)	3.35 b-j	MR	Mycogen 5N522R2(MYCX54522NR2)	1.91 f-l	R
Armor 5.01	0.85 i-l	R	Mycogen 5N550R2	0.03 l	R
Armor 50-R21(AX4500)	1.44 h-l	R	NK S50-J7	7.16 a	S
Armor 51-R50	0.28 l	R	NK S52-Y2	1.50 h-l	R
Armor AR5205	0.25 l	R	NK S55-Q3	0.16 l	R
Armor AR5605	1.06 h-l	R	Pioneer 95Y10	1.94 f-l	R
Armor AR5615	0.10 l	R	Pioneer P50T64R	2.53 d-l	R
Asgrow AG5233	1.19 h-l	R	Pioneer P5494R	3.07 c-k	MR
Asgrow AG5332	0.19 l	R	Progeny Ag P 5101RY	3.13 c-k	MR
Asgrow AG5335	1.82 f-l	R	Progeny Ag P 5213RY	5.63 abc	MS
Asgrow AG5533	2.25 d-l	R	Progeny Ag P 5226RYS	0.94 i-l	R
Asgrow AG5535	0.78 i-l	R	Progeny Ag P 5333RY	4.91 a-d	MR
Credez 5225	1.35 h-l	R	Progeny Ag P 5555RY	0.38 kl	R
Credez RY5421	0.69 i-l	R	Progeny Ag P 5610RY	4.35 b-g	MR
Croplan R2C5081	1.25 h-l	R	Schillinger 5220.RC	0.69 i-l	R
Delta Grow 5128 RR	5.92 ab	MS	Terral REV@ 51A56	1.00 h-l	R
Delta Grow DG 5170 RR2/STS	0.22 l	R	Terral REV@ 52A94™	4.53 a-f	MR
Delta Grow DG 5230RR2	1.44 h-l	R	Terral REV@ 54R84™	1.91 f-l	R
Delta Grow DG 5575 RR2	1.97 f-l	R	Terral REV@ 55R53™	1.60 g-l	R
Delta Grow DG 5625 RR2	3.78 b-h	MR	Terral REV@ 56R63™	0.94 i-l	R
Dyna-Gro 32RY55	2.13 e-l	R	Univ. of Arkansas R10-197RY	1.03 h-l	R
Dyna-Gro S52RY75	1.85 f-l	R	Univ. of Arkansas R11-89RY	0.60 jkl	R
Dyna-Gro S56RY84	2.75 d-l	R	Univ. of Arkansas Ua 5414RR (R04-1268RR)	3.44 b-i	MR
Great Heart Seed GT-516CR2	1.85 f-l	R	Univ. of Missouri S11-20195	4.78 a-e	MR
MorSoy Extra 55X75	1.16 h-l	R	USG 75J45R	0.82 i-l	R
Mycogen 5N501R2(MYCX54490NR2)	1.00 h-l	R	-	-	-
LSD (0.05)	-	-	-	2.8	-
CV (%)	-	-	-	102.4	-
P-value for F-statistic	-	-	-	<0.0001	-

<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.