

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

Cultivar	Stem Canker rating ^{1,2}	Cultivar designation ³	Cultivar	Stem Canker rating ^{1,2}	Cultivar designation ³
Dyna-Gro 39RY43 (susceptible check)	5.60 a	MS	Dyna-Gro S43RY95	3.03 a-g	MR
Armor 46-R65	0.97 d-g	R	Dyna-Gro S46RY85	1.66 c-g	R
Armor AR4305	5.16 ab	MS	Great Heart Seed GT-435CR2	1.03 d-g	R
Armor AR4504	0.97 d-g	R	Great Heart Seed GT-469CR2S	1.66 c-g	R
Armor AR4615	0.19 fg	R	MorSoy Extra 46X95	0.47 fg	R
Asgrow AG4135	4.25 a-d	MR	Mycogen 5N404R2	3.44 a-f	MR
Asgrow AG4232	4.35 a-d	MR	Mycogen 5N433R2	0.00 g	R
Asgrow AG4336	4.35 a-d	MR	Mycogen 5N452R2	1.63 c-g	R
Asgrow AG4433	1.06 d-g	R	NK S45-V8	1.03 d-g	R
Asgrow AG4533	0.16 fg	R	Pioneer 46T21R	0.03 fg	R
Asgrow AG4632	0.03 fg	R	Pioneer 93Y92	5.41 ab	MS
Credenz CZ 4181 RY	4.82 abc	MR	Progeny Ag P 4211RY	3.22 a-g	MR
Credenz CZ 4590 RY	0.57 efg	R	Progeny Ag P 4214RY	3.85 a-e	MR
Croplan R2C4114	1.41 c-g	R	Progeny Ag P 4613RYS	0.63 fg	R
Croplan R2C4541	1.46 c-g	R	Steyer 4303R2	0.63 fg	R
Delta Grow DG 4670R2Y	0.22 fg	R	Steyer 4602R2	1.53 c-g	R
Dyna-Gro 31RY45	0.00 g	R	USG 74F24RS	2.16 b-g	R
LSD (0.05)	-	-		3.4	-
CV (%)	-	-		123.1	-
<i>P</i> -value for F-statistic	-	-		0.0016	-

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.