

Greenhouse Ratings for Resistance to Three Species of Root-knot Nematode and Soybean Cyst Nematode, 2015

Company or Brand Name	Variety	Root-knot nematode			Cyst nematode	
		Southern ¹	Peanut ² rating ⁶	Javanese ³	Race 3 ⁴	Race 9 ⁵ reaction ⁷
AGSouth	AGS 533 LL	4.0	3.8	2.3	R	R
AGSouth	AGS 568RR	1.0	2.3	5.0	R	R
AGSouth	AGS 5911LL	1.0	2.0	1.3	S	S
AGSouth	AGS Woodruff	1.0	4.3	4.8	R	S
AGSouth	AGS 674 LL	1.0	1.0	1.3	R	S
AGSouth	AGS 738 RR	1.0	1.8	4.8	R	S
AGSouth	AGS 757 RR	1.0	2.3	1.0	S	S
AGSouth	AGS 807	1.0	4.3	2.0	S	S
AGSouth	AGS 828 RR	1.0	2.5	4.8	R	R
AR	R09-430	1.3	4.5	4.0	R	S
AR	R10-197RY	5.0	4.8	5.0	R	R
AR	UA 5213C	5.0	4.3	4.8	R	R
AR	UA 5414RR	5.0	4.5	5.0	S	S
AR	UA 5612	5.0	4.8	4.3	S	S
AR	UA 5814HP	5.0	4.8	4.8	S	S
Asgrow	AG6536 GENRR2Y	4.0	4.5	4.3	S	S
Asgrow	AG7535 GENRR2Y	1.3	5.0	5.0	S	S
Bayer	CZ 4959 RY	1.0	5.0	1.0	R	R
Bayer	CZ 5515 LL	1.0	4.5	1.0	R	S
Bayer	CZ 5727 LL	1.0	3.3	1.0	R	R
Bayer	CZ 5947 LL	1.0	1.0	1.0	R	R
Bayer	CZ 6060 RY	1.0	4.0	1.0	R	R
Bayer	CZ 6109 LL	1.0	2.8	1.0	R	R
Bayer	CZ 6316 LL	1.0	2.3	1.0	R	R
Bayer	CZ 6515 LL	1.0	2.0	1.0	R	S
Bayer	CZ 7007 LL	1.3	2.5	1.0	R	R
Bayer	CZ 7070 RY	1.0	2.0	1.0	R	R
Bayer	CZ 7132 LL	1.0	1.5	1.0	R	R
Bayer	HBK LL4950	1.0	2.0	1.0	R	R
Bayer	HBK RY5221	4.5	5.0	4.5	S	S
Bayer	HBK RY7523	2.3	3.0	4.8	R	R
Croplan Genetics	5R2C56	2.3	4.8	5.0	R	S
Croplan Genetics	5R2T65	5.0	5.0	5.0	S	S
Croplan Genetics	R2C5673	4.3	5.0	5.0	R	R
Croplan Genetics	R2C6192	1.0	3.3	4.3	S	S
Croplan Genetics	R2C6764	1.3	3.3	5.0	S	S
Croplan Genetics	R2C7622	3.0	4.3	4.3	R	S
Dyna-Gro	39RY57	1.3	5.0	4.5	S	S
Dyna-Gro	S56RY84	5.0	4.8	4.8	R	S
Dyna-Gro	S65RY73	2.3	4.0	3.8	R	R

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Dyna-Gro	S67RY25	1.0	4.5	5.0	S	S
Dyna-Gro	S72RS36	4.8	4.5	4.5	S	S
Dyna-Gro	S74RY15	1.3	2.8	3.0	S	S
Dyna-Gro	S77RY85	5.0	5.0	3.0	S	S
Meherrin	SH 6215 LL	5.0	4.8	5.0	M	R
Meherrin	SH 6515 LL	5.0	4.8	2.5	S	S
Meherrin	SH 6815 LL	5.0	5.0	2.5	S	S
Meherrin	SH 7116 LL	5.0	3.8	5.0	S	S
NK	S52-Y2 Brand	1.0	1.5	2.0	R	R
NK	S53-A1	1.0	2.5	1.0	R	R
NK	S58-Z4	1.0	3.3	3.0	S	S
NK	S67-R6 Brand	1.0	3.8	5.0	R	R
NK	S73-S8	1.0	1.3	1.0	R	R
NK	S74-M3	1.0	1.8	2.3	S	S
Pioneer	P52T50R	5.0	5.0	4.0	R	R
Pioneer	P54T94R	1.0	5.0	5.0	R	M
Pioneer	P56T12SR	1.8	5.0	4.0	R	R
Pioneer	P67T25R2	3.8	5.0	5.0	S	S
Pioneer	P76T54R2	1.3	5.0	5.0	S	S
Public Variety (AR)	OSAGE	5.0	5.0	4.0	S	S
Public Variety (GA)	Cook	3.3	4.8	5.0	S	S
Public Variety (SC)	Cheraw	1.3	5.0	5.0	R	S
Public Variety (SC)	Maxcy	1.5	4.8	5.0	R	S
Public Variety (SC)	Musen	1.3	5.0	5.0	R	R
Public Variety (SC)	Paul	1.3	5.0	5.0	S	S
Public Variety (SC)	Santee	1.3	5.0	5.0	R	S
SC	SC06-291RR	1.0	4.8	5.0	R	R
SC	SC06-301RR	1.0	4.8	5.0	R	R
SC	SC07-108RR	1.0	5.0	4.5	R	R
SC	SC07-1490RR	1.0	4.3	4.8	R	S
SC	SC07-1518RR	1.3	5.0	4.8	R	S
SC	SC09-092RR	1.5	4.8	4.3	R	S
SS	5513N R2	5.0	5.0	5.0	R	R
SS	5711N R2	1.0	4.3	5.0	S	S
SS	LL 5914NS	5.0	4.8	3.8	R	S
SS	LL 6314S	5.0	4.5	5.0	R	S
SS	SS 5511N R2	1.8	4.3	4.0	S	S
SS	SS 5615N R2	1.8	4.8	5.0	R	S
SS	SS 6315 R2	2.3	4.8	5.0	S	S
SS	SS 6810N R2	1.3	4.8	3.8	S	S

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SS	SS 7215NS R2	3.8	4.8	4.8	S	S
TA Seeds	TS6569R2	2.0	4.8	5.0	S	S
TA Seeds	TS8059R2	2.8	5.0	4.3	S	S
Terral-REV®	55R53™	5.0	3.8	5.0	R	R
Terral-REV®	56R63™	2.0	5.0	5.0	R	S
Terral-REV®	57R21™	4.5	4.8	4.5	S	S
Terral-REV®	73A74™	2.0	5.0	5.0	R	S
UGA	G00-3213	1.3	2.5	4.5	R	S
UGA	G00-3880	1.0	3.0	3.0	R	S
UGA	G10PR-56444R2	1.0	3.5	2.0	S	S
UGA	G11PR-209R2	1.3	4.3	2.0	R	R
UGA	G11PR-407R2	1.0	4.0	1.5	R	S
UGA	G11PR-56151R2	1.0	4.3	4.8	R	S
UGA	G11PR-56238R2	1.0	4.5	1.0	R	R
UGA	G13LL-44	2.3	4.5	3.8	R	S
UGA	G13LL-5	1.3	4.8	2.0	M	S
UGA	G13LL-56	1.8	5.0	4.8	R	S
UGA	G13LL-7	1.0	4.5	4.0	R	S
University of MO	S11-16653	1.0	4.8	4.0	R	S
University of MO	S11-17025	2.5	4.8	5.0	R	R
University of MO	S11-20124	1.0	4.3	1.5	R	S
University of MO	S11-20195	1.5	4.3	3.8	R	R
University of MO	S11-20337	1.0	4.5	4.8	R	R
USDA-ARS	JTN-5110	5.0	5.0	4.5	S	S
USG	75J90R	2.3	4.0	4.8	S	S
USG	76J45R	3.3	4.5	5.0	S	S
USG	76S73R	3.0	4.3	5.0	S	S
USG	77J25RS	3.3	5.0	5.0	S	S
USG	77S40R	1.3	4.3	4.5	S	S
USG	78S04R	2.5	4.5	3.8	S	S
Check Varieties	AGS Benning	1.0	5.0	4.0	R	S
	Boggs	1.0	1.8	1.3	R	S
	Bossier	5.0	5.0	2.5	S	S
	CNS	5.0	5.0	5.0	S	S
	G93-9009	1.0	1.0	1.0	R	R
	G93-9106	1.0	1.0	1.0	R	R
	GaSoy17	5.0	5.0	5.0	S	S
	Hagood	1.5	4.5	5.0	R	S
	Hartwig	1.3	4.3	5.0	R	R
	Haskell	1.3	2.3	2.8	S	S
	Prichard	1.0	4.3	5.0	R	R
LSD (0.10)		0.7	0.7	0.9		

Greenhouse Ratings for Resistance to Three Species of Root-knot Nematode and Soybean Cyst Nematode, 2015 (Continued)

1. *Meloidogyne incognita*

2. *Meloidogyne arenaria*

3. *Meloidogyne javanica*

4. The cyst indices on the differentials were: Peking = 0(-), Pickett = 0(-), PI88788 = 0(-), PI90763 = 0(-)

5. The cyst indices on the differentials were: Peking = 122(+), Pickett = 95(+), PI88788 = 4(-), PI90763 = 9(-)

6. Rating: 1 = (few galls) to 5 = (many galls).

7. Reaction: R = Resistant (generally < 3 white females or cysts per plant).

S = Susceptible (generally > 3 white females or cysts per plant).

M = Mixed reaction.

Ratings for Soybean Cyst Nematode and Root-knot Nematode provided by S.L. Finnerty, J.P. Noe, G.E. Bishop, E.D. Wood, and Zenglu Li.