

## Greenhouse Ratings for Resistance to Three Species of Root-knot Nematode and Soybean Cyst Nematode, 2014

Company or Brand Name	Variety	Root-knot nematode			Cyst nematode	
		Southern <sup>1</sup>	Peanut <sup>2</sup>	Javanese <sup>3</sup>	Race 3 <sup>4</sup>	Race 9 <sup>5</sup>
		----- rating <sup>6</sup> -----			---- reaction <sup>7</sup> ----	
AgSouth	AGS 533 LL	5.0	4.0	2.5	R	R
AgSouth	AGS 568 RR	1.0	3.5	5.0	R	R
AgSouth	AGS 738 RR	1.0	3.5	4.8	R	R
AgSouth	AGS 787 RR	1.3	1.5	1.5	R	S
AgSouth	AGS 828 RR	1.0	2.5	5.0	R	R
AgSouth	AGS Prichard RR	1.3	4.0	4.5	R	R
AgSouth	AGS Woodruff	1.3	4.5	5.0	R	S
AR	R05-374	3.8	3.3	3.5	S	S
AR	UA 5213C	4.8	3.5	4.0	R	R
AR	UA 5612	4.0	3.3	4.8	S	S
Armor	49-R56	5.0	1.5	1.8	R	R
Armor	50-R44	4.8	3.3	4.5	R	R
Armor	51-R50	3.8	5.0	4.8	S	S
Armor	53-R16	2.3	4.0	4.5	R	S
Armor	55-R22	2.0	1.8	2.0	S	S
Armor	61-R14	1.0	2.3	5.0	S	S
Armor	67-R90	2.0	3.8	3.3	S	S
Armor	AX4490	4.0	3.5	4.5	R	R
Armor	AX4520	4.8	5.0	4.5	S	S
Armor	AX4550	5.0	4.3	2.5	R	R
Armor	AX4700	1.3	4.0	3.3	S	S
Armor	AX4750	1.0	3.5	4.5	S	S
Armor	AX4770	3.3	5.0	4.3	S	S
Asgrow	AG5535	1.0	2.5	3.0	S	S
Asgrow	AG5935	1.0	3.8	4.0	S	S
Asgrow	AG6534	2.3	2.8	3.0	S	S
Asgrow	AG6834	1.0	4.8	4.8	R	S
Asgrow	AG7535	1.3	4.5	4.5	S	S
Asgrow	AG7934	1.0	4.0	3.5	S	S
Bayer	HBK LL4850	5.0	4.0	4.8	S	R
Bayer	HBK LL4950	4.0	3.3	4.3	S	S
Bayer	HBK LL4953	5.0	2.3	3.3	R	S
Bayer	HBK RY5221	4.0	5.0	4.8	S	S
Bayer	HBK RY5421	4.5	3.0	2.8	S	S
Bayer	HBK RY7523	2.3	3.8	4.8	S	S
Croplan Genetics	R2C6764	1.0	2.8	4.8	S	S
Croplan Genetics	R2C7094	1.3	4.8	4.3	S	S
Dyna-Gro	34RY75	1.0	3.8	5.0	R	R
Dyna-Gro	39RY57	1.3	3.8	4.8	S	S
Dyna-Gro	556RY84	4.0	4.0	4.8	R	R
Dyna-Gro	S65RY73	2.3	3.5	2.5	R	R
Dyna-Gro	S69RY34	1.3	3.3	4.0	S	S
Dyna-Gro	S74RY15	1.3	2.8	2.5	S	S
Dyna-Gro	S77RY85	4.5	4.5	5.0	S	S
Dyna-Gro	S79RY05	1.3	3.5	1.5	S	S

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Dyna-Gro	SX14867R	1.0	3.3	4.3	S	S
GoSoy	5911LL	3.8	4.8	3.0	S	S
NK	S52-Y2 Brand	1.0	1.0	4.0	R	R
NK	S55-Q3 Brand	1.0	1.0	1.8	R	R
NK	S59-V9 Brand	1.0	1.0	1.3	R	R
NK	S67-R6 Brand	4.8	4.5	4.5	R	R
NK	S74-M3 Brand	1.0	1.0	4.5	S	S
NK	S77-T7 Brand	1.5	4.3	4.3	R	R
Pioneer	95Y70	1.0	4.3	5.0	S	S
Pioneer	95Y71	1.3	5.0	5.0	S	S
Pioneer	P52T86R	1.3	4.3	4.0	R	R
Pioneer	P54T94R	1.3	4.3	4.8	R	R
Public Variety	Cook	3.0	4.8	5.0	S	S
Public Variety	Motte	1.5	2.8	2.5	R	S
Public Variety	Musen	1.0	4.8	4.8	R	R
Public Variety	OSAGE	3.8	3.8	2.8	S	S
Public Variety	OZARK	4.8	4.5	5.0	S	S
Public Variety	Santee	1.3	4.8	4.8	R	S
SC	SC03-062	5.0	4.8	4.8	R	S
SC	SC04-306	1.0	4.5	5.0	S	S
SC	SC04-375	1.0	2.8	3.8	S	S
SC	SC04-386RR	1.3	3.5	5.0	R	S
SC	SC06-301RR	1.0	4.3	4.5	R	S
SC	SC07-108	1.0	4.5	5.0	R	R
SC	SC07-1490RR	1.0	2.5	4.3	R	S
SC	SC07-1518RR	1.0	4.3	5.0	R	S
SC	SC07-676RR	1.3	4.3	5.0	R	S
SC	SC07-786RR	1.3	4.5	4.0	R	S
SS	5513N R2	5.0	4.8	4.8	R	R
SS	5711N R2	1.0	5.0	4.8	S	S
SS	5911N R2	1.0	4.3	3.0	S	S
SS	6713N R2	1.3	4.0	3.3	S	S
SS	LL 595N	4.8	4.8	4.8	S	S
SS	SS 5511N R2	1.5	3.8	3.8	S	S
SS	SS 6810N R2	1.0	3.5	4.0	S	S
SS	SS 7511N R2	2.8	4.8	4.8	R	S
Terral-REV®	55R53™	4.8	3.5	4.8	R	MR
Terral-REV®	56R63™	2.0	4.8	4.8	R	R
Terral-REV®	57R21™	1.5	4.8	5.0	S	S
Terral-REV®	73R74™	1.5	4.0	5.0	S	S
UGA	G08-3279RR	1.0	4.5	4.8	R	S
UGA	G08-4200RR	1.0	4.0	4.5	R	S
UGA	G10-3429 RR	1.3	4.8	5.0	R	S
UGA	G10-3833 RR	1.0	3.3	2.3	R	S
UGA	G10-3913R2	1.0	2.5	3.0	R	S

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		----- rating <sup>6</sup> -----			----- reaction <sup>7</sup> -----	
UGA	G10PR-224R2	1.0	1.5	2.8	R	S
UGA	G10PR-3954R2	1.0	3.8	1.0	R	S
UGA	G10PR-56264R2	1.0	2.8	1.5	S	S
UGA	G10PR-56444R2	1.0	4.5	5.0	S	S
UGA	G10PR-86R2	1.0	3.5	1.0	R	R
UGA	G11PR-209R2	1.0	3.3	1.0	R	R
UGA	G11PR-407R2	1.0	3.3	1.5	R	S
UGA	G11PR-418R2	1.0	3.8	3.0	R	S
UGA	G11PR-56151R2	1.0	4.0	4.5	R	S
UGA	G11PR-56158R2	1.3	2.0	2.0	S	S
UGA	G11PR-56238R2	1.0	2.5	1.0	R	R
UGA	G12PR-54R2	1.0	1.8	3.0	R	R
UGA	G12PR-63R2	1.0	1.5	1.0	R	R
UGA	G12PR-7R2	1.0	1.5	2.0	R	S
US Seeds	Halo 4:94	5.0	3.3	3.0	S	S
US Seeds	Halo 4:95	4.0	5.0	5.0	R	S
US Seeds	Halo 4:97	1.5	3.3	1.8	S	S
US Seeds	Halo 5:01	5.0	2.8	1.8	S	S
US Seeds	Halo 5:25	4.8	4.3	2.8	S	S
US Seeds	Halo 5:26	2.8	4.5	4.8	S	S
US Seeds	Halo 5:45	5.0	4.8	4.8	S	S
US Seeds	Halo X449	2.3	3.8	1.3	R	R
US Seeds	Halo X451	5.0	4.0	4.0	S	S
US Seeds	Halo X452	5.0	4.5	4.3	S	S
USG	77S13R	1.3	4.8	4.5	S	S
USG	77S40R2	1.3	3.3	3.8	S	S
USG	77S63R	2.3	3.5	2.5	S	S
USG	78S04R	1.3	3.0	2.8	S	S
Check Varieties	AGS Benning	1.0	4.0	3.3	R	S
	Boggs	1.0	2.0	1.5	R	S
	Bossier	5.0	4.3	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	4.5	4.8	5.0	S	S
	Hagood	1.3	4.3	4.8	R	S
	Hartwig	1.3	3.8	3.8	R	R
	Haskell	1.5	2.0	2.3	S	S
	Prichard	1.0	4.5	4.8	R	R
	LSD (0.10)	0.8	1.1	0.8		

## Greenhouse Ratings for Resistance to Three Species of Root-knot Nematode and Soybean Cyst Nematode, 2014 (Continued)

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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 = 80(+), Pickett = 84(+), PI88788 = 0(-), PI90763 = 4(-)

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

7. Reaction: R = Resistant (generally < 10% of females or cysts per plant).

MR = Moderate Resistance (generally 10 to 20% of females or cysts per plant).

S = Susceptible (generally > 20% of females or cysts per plant).

Ratings for soybean cyst nematode and root-knot nematode provided by S.L. Finnerty, J.P. Noe, G.E. Bishop, E.D. Wood, and Z. Li.