

## Greenhouse Ratings for Resistance to Three Species of Root-knot Nematode and Soybean Cyst Nematode, 2013

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	AGS533LL	5.0	4.0	1.8	R	R
AgSouth	AGS 568RR	1.5	4.8	5.0	R	R
AgSouth	AGS 5911LL	5.0	4.8	5.0	S	S
AgSouth	AGS 767 RR	1.0	1.8	1.8	R	S
AgSouth	AGS 828 RR	1.3	2.5	5.0	R	R
AgSouth	AGS Prichard RR	1.0	4.5	4.8	R	R
AgSouth	AGS Woodruff	1.5	3.0	4.3	R	S
AgSouth	AGS787 RR	1.3	1.5	1.5	R	S
AgSouth	AGS 70R26	1.0	4.0	3.0	S	S
AgSouth	AGS 75R27	2.0	2.5	2.5	R	S
AR	R04-1250RR	5.0	5.0	5.0	S	S
AR	R04-1268RR	5.0	4.5	4.3	S	S
AR	UA 5612	5.0	4.3	3.0	S	S
Armor	53-R88	5.0	4.5	5.0	R	S
Armor	55-R22	1.8	3.5	4.8	S	S
Armor	X1316	1.5	4.8	3.8	R	S
Armor	X1413	5.0	3.8	2.8	R	S
Armor	X1425	1.5	3.8	1.3	S	S
Armor	X1426	1.0	1.3	1.3	R	S
Armor	X1427	1.0	3.3	2.0	S	S
Armor	X1428	1.0	5.0	3.5	MR	S
Asgrow	AG5534	5.0	4.8	5.0	R	S
Asgrow	AG5634	1.5	4.8	4.8	R	S
Asgrow	AG6534	2.5	2.8	3.3	S	S
Asgrow	AG6834	2.0	5.0	5.0	R	S
Asgrow	AG7733	2.3	4.8	4.8	S	S
Asgrow	AG7934	2.0	3.5	3.8	S	MR
Bayer	HBK LL4950	5.0	2.0	3.0	S	S
Bayer	HBK LL5350	3.3	3.0	1.8	S	S
Bayer	HBK R7028	4.8	4.8	2.5	S	S
Bayer	HBK RY5221	5.0	5.0	4.8	S	S
Bayer	HBK RY5421	5.0	2.5	3.5	S	S
Bayer	HBK RY7523	3.0	2.3	4.8	S	S
CG	3R2C67	1.5	4.3	4.5	S	S
CG	R2C6810	3.3	3.5	2.3	S	S
CG	R2C7390	1.5	4.8	4.5	R	S
CG	3R2C70	1.5	4.5	4.8	S	S
CG	R2C6192	2.0	4.0	1.3	S	S
Croplan Genetics	R2C5103	5.0	4.0	3.5	R	S
Croplan Genetics	R2C5673	5.0	5.0	4.8	R	S
Croplan Genetics	R2C7622	1.3	4.3	4.8	R	S
Dyna-Gro	34RY75	2.5	5.0	5.0	R	S
Dyna-Gro	36RY68	2.3	3.5	2.0	S	S
Dyna-Gro	S61RY93	1.5	2.3	2.0	S	S
Dyna-Gro	S65RY73	2.0	4.5	2.8	R	S

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Dyna-Gro	S69RY34	2.0	5.0	4.0	R	S
Dyna-Gro	SX13875R	3.5	5.0	2.3	S	S
Go Soy	5410 LL	5.0	4.0	3.8	S	S
Go Soy	5312 LL	5.0	3.3	2.0	R	S
Halo	5:26	4.3	4.8	4.8	S	S
Halo	5:45	5.0	5.0	4.8	S	S
Halo	5:01	5.0	3.3	1.8	R	S
Halo	X530	5.0	3.5	3.0	S	S
NK	S57-K3 Brand	2.8	5.0	4.8	R	R
NK	S67-R6 Brand	5.0	5.0	4.5	R	S
NK	S68-D4	1.3	3.3	4.5	R	S
NK	S74-M3 Brand	1.3	4.5	4.8	S	S
NK	S77-T7 Brand	1.5	5.0	4.8	R	S
NK	S78-G6 Brand	1.0	4.3	4.8	R	R
NK	S52-Y2 Brand	5.0	5.0	4.3	R	R
Pioneer	95Y61	2.8	2.3	2.0	R	S
Pioneer	95Y71	1.8	5.0	5.0	S	S
Pioneer	95Y80	1.5	3.8	4.5	R	S
Pioneer	97M50	1.0	4.5	5.0	R	S
Pioneer	P54T94R	1.8	4.0	4.8	R	S
Pioneer	P54T94R	1.8	4.0	4.3	R	R
Pioneer	95Y70	1.0	4.0	4.8	S	S
Public Variety	N7003CN	2.3	5.0	4.8	R	R
Public Variety	NC Miller	4.3	4.5	5.0	R	S
Public Variety	OSAGE	5.0	4.8	2.3	S	S
Public Variety	OZARK	5.0	5.0	5.0	S	S
Public Variety	Cook	3.0	5.0	5.0	S	S
Public Variety	Motte	2.0	3.3	2.5	R	S
Public Variety	Musen	1.5	4.8	4.8	R	R
Public Variety	NC Raleigh	4.8	5.0	4.8	S	S
Public Variety	NC Roy	5.0	5.0	4.8	S	S
Public Variety	Santee	2.0	4.5	5.0	R	S
SC	SC03-062	5.0	5.0	4.8	R	S
SC	SC04-306	1.8	4.5	4.5	S	S
SC	SC07-108	1.8	4.5	5.0	MR	R
SC	SC07-1518	1.0	4.3	5.0	R	S
Schillinger	5220.RC	5.0	4.5	2.8	R	R
Schillinger	557.RC	4.5	2.3	2.0	R	R
SS	5513N R2	5.0	4.8	4.8	R	S
SS	5711 R2	1.0	4.8	4.8	MR	S

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SS	5911 R2	1.0	4.5	2.3	R	S
SS	6713N R2	1.0	3.5	3.3	S	S
SS	LL595N	4.8	4.3	5.0	S	S
SS	SS 6810NR2	2.0	2.8	3.0	S	S
SS	SS5511NR2	1.3	3.8	3.3	S	S
SS	SS7511NR2	2.8	3.8	4.5	S	S
Terral-REV®	56R21™	3.8	5.0	5.0	S	S
Terral-REV®	56R63™	1.8	4.5	4.5	R	S
Terral-REV®	57R21™	2.0	5.0	5.0	S	S
Terral-REV®	59R13™	5.0	4.8	5.0	S	S
UGA	G00-3213	1.0	1.5	2.3	R	S
UGA	G00-3880	2.0	2.0	3.0	R	S
UGA	G06-3182RR	1.0	2.5	3.5	R	S
UGA	G08-3279RR	1.0	4.5	4.8	R	S
UGA	G08-4200RR	1.0	3.5	3.5	R	S
UGA	G08-5122RR	1.0	3.0	4.8	R	S
UGA	G10PR-224R2	1.0	1.3	2.3	R	S
UGA	G10PR-56248R2	1.3	1.3	1.0	S	S
UGA	G10PR-56264R2	1.0	2.3	1.0	R	R
UGA	G10PR-56330R2	1.0	2.5	4.8	S	S
UGA	G10PR-56444R2	1.0	5.0	4.5	S	S
UGA	G10PR-86R2	1.0	3.3	3.5	R	S
UGA	G12PR-6354AR2	1.3	1.3	1.0	R	S
UGA	G12PR-6354BR2	1.5	2.0	2.0	R	S
UGA	G09-3202R2	1.0	1.5	1.3	R	S
UGA	G12PR-7R2	1.3	1.3	1.3	R	S
USG	77S13R	1.3	5.0	4.3	S	S
USG	77S40R2	1.8	4.5	3.5	S	S
USG	77S63R	2.0	3.0	1.8	S	S
Check Varieties	AGS Benning	1.0	4.5	3.3	R	S
	Boggs	1.0	2.5	1.5	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	2.3	5.0	4.8	R	S
	Hartwig	1.8	4.3	3.8	R	R
	Haskell	1.8	1.8	2.0	S	S
	Prichard	1.0	4.8	5.0	R	R
	LSD (0.10)	0.7	0.7	0.6		

## Greenhouse Ratings for Resistance to Three Species of Root-knot Nematode and Soybean Cyst Nematode, 2013 (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 = 48 (+), Pickett = 90 (+), PI88788 = 9 (-), PI90763 = 8 (-).
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% white females or cysts per plant).

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