

Greenhouse Ratings for Resistance to Three Species of Root-knot Nematode and Soybean Cyst Nematode, 2011

| Company or Brand Name | Variety | Root-knot nematode | | | Cyst nematode | |
|--------------------------|-----------------|---------------------------------|---------------------|-----------------------|---------------------------------|---------------------|
| | | Southern ¹ | Peanut ² | Javanese ³ | Race 3 ⁴ | Race 9 ⁵ |
| | | ----- rating ⁶ ----- | | | ---- reaction ⁷ ---- | |
| A.M. Bickley | AMB 59LL | 5.0 | 4.0 | 5.0 | S | S |
| A.M. Bickley | AMB 60LL | 5.0 | 4.5 | 1.5 | S | S |
| AgSouth | AGS Prichard RR | 1.0 | 4.5 | 4.5 | R | R |
| AgSouth | AGS Woodruff | 2.0 | 4.5 | 4.0 | R | S |
| AGSouth | AGS568RR | 3.0 | 5.0 | 4.8 | R | R |
| AGSouth | AGS5911LL | 5.0 | 3.8 | 4.8 | S | S |
| AGSouth | AGS597RR | 5.0 | 4.8 | 5.0 | M | S |
| AGSouth | AGS6011LL | 5.0 | 4.0 | 2.5 | M | S |
| AGSouth | AGS758RR | 1.0 | 2.0 | 2.0 | R | S |
| AR | R04-342 | 4.0 | 3.8 | 3.5 | R | S |
| Asgrow | AG5832 | 5.0 | 5.0 | 5.0 | R | R |
| Asgrow | AG6132 | 2.5 | 4.0 | 4.0 | R | S |
| Asgrow | AG6732 | 2.3 | 5.0 | 4.5 | R | S |
| Asgrow | AG6931 | 1.8 | 4.5 | 4.8 | R | S |
| Asgrow | AG7231 | 1.0 | 5.0 | 2.3 | S | S |
| Asgrow | AG7532 | 3.8 | 4.8 | 5.0 | R | S |
| Croplan Genetics | 1R2C75 | 5.0 | 5.0 | 3.0 | R | S |
| Croplan Genetics | 1R2C76 | 3.0 | 4.5 | 4.8 | R | M |
| Croplan Genetics | R2C5820 | 2.8 | 4.5 | 3.5 | S | S |
| Croplan Genetics | R2C6810 | 4.5 | 3.0 | 2.5 | S | S |
| Croplan Genetics | R2C7390 | 2.8 | 3.5 | 5.0 | S | S |
| Dyna-Gro | 34RY75 | 3.5 | 4.5 | 5.0 | R | R |
| Dyna-Gro | 35K73 | 5.0 | 4.5 | 4.0 | S | S |
| Dyna-Gro | 36RY68 | 4.0 | 3.8 | 3.0 | R | S |
| Dyna-Gro | 39RY57 | 4.0 | 4.5 | 5.0 | S | S |
| Dyna-Gro | V61N9RR | 2.5 | 5.0 | 4.8 | R | R |
| Dyna-Gro | V76N9RR | 5.0 | 5.0 | 5.0 | R | R |
| GoSoy | 5911LL | 5.0 | 3.3 | 4.8 | R | S |
| GoSoy | 6111LL | 5.0 | 4.3 | 2.8 | S | S |
| NK | S57-K3 Brand | 5.0 | 4.8 | 4.5 | R | R |
| NK | S61-Q2 | 4.3 | 5.0 | 5.0 | R | S |
| NK | S78-G6 | 1.5 | 4.8 | 5.0 | R | R |
| NK | S79-B9 Brand | 2.5 | 4.5 | 5.0 | R | S |
| Pioneer | 95Y20 | 1.8 | 3.5 | 4.8 | R | R |
| Pioneer | 95Y70 | 1.3 | 4.8 | 5.0 | S | S |
| Pioneer | 95Y71 | 5.0 | 5.0 | 5.0 | S | S |
| Pioneer | 97M50 | 1.5 | 4.3 | 4.5 | R | S |
| Progeny | P 5610 RY | 3.8 | 3.8 | 3.0 | S | S |
| Progeny | P 5655 RY | 4.5 | 4.8 | 4.3 | R | R |
| Progeny | P 5711 RY | 3.3 | 5.0 | 4.3 | R | S |
| Progeny | P 5811 RY | - ⁸ | 3.8 | 2.0 | S | S |
| Progeny | P 6710 RY | 2.5 | 3.8 | 2.5 | R | S |
| Progeny | P 7310 RY | 2.0 | 4.0 | 4.0 | R | S |
| Public Variety | Motte | 3.0 | 3.8 | 2.5 | R | S |
| Public Variety | Musen | 1.8 | 5.0 | 5.0 | R | R |

**Greenhouse Ratings for Resistance to Three Species of
Root-knot Nematode and Soybean Cyst Nematode, 2011
(Continued)**

| Company or Brand Name | Variety | Root-knot nematode | | | Cyst nematode | |
|--------------------------|-----------------|---------------------------------|---------------------|-----------------------|---------------------------------|---------------------|
| | | Southern ¹ | Peanut ² | Javanese ³ | Race 3 ⁴ | Race 9 ⁵ |
| | | ----- rating ⁶ ----- | | | ---- reaction ⁷ ---- | |
| Public Variety | NC Raleigh | 5.0 | 5.0 | 5.0 | S | S |
| Public Variety | NC Roy | 5.0 | 5.0 | 5.0 | S | S |
| Public Variety | OSAGE | - | 4.8 | 2.0 | S | S |
| Public Variety | OZARK | 5.0 | 4.8 | 5.0 | S | S |
| Public Variety | Santee | 3.0 | 4.8 | 5.0 | R | S |
| SC | SC01-803 | 3.0 | 4.8 | 4.5 | R | S |
| SC | SC03-062 | 5.0 | 4.0 | 4.5 | S | S |
| SC | SC04-375 | 2.8 | 4.8 | 4.5 | R | S |
| SS | LL511N | 5.0 | 4.0 | 1.5 | S | S |
| SS | LL540N | 5.0 | 5.0 | 3.3 | M | S |
| SS | LL595N | 5.0 | 4.8 | 4.0 | S | S |
| SS | RT5160N | 5.0 | 5.0 | 5.0 | R | R |
| SS | RT5471N | 5.0 | 5.0 | 5.0 | R | R |
| SS | RT5760N | 2.8 | 3.3 | 2.0 | R | R |
| SS | RT5930N | 2.5 | 5.0 | 3.8 | R | R |
| SS | RT5960N | 3.3 | 3.8 | 2.5 | R | R |
| SS | RT6207N | 5.0 | 4.8 | 5.0 | R | S |
| SS | RT6451N | 1.5 | 4.3 | 4.5 | R | S |
| SS | RT6988N | 5.0 | 3.8 | 1.8 | S | S |
| SS | RT7270N | 4.3 | 4.5 | 3.5 | R | S |
| SS | RT7999N | 1.8 | 4.5 | 4.5 | R | R |
| SS | SS 6810NR2 | 1.8 | 3.3 | 2.5 | R | S |
| SS | SS Exp. 5112NR2 | 5.0 | 4.3 | 4.0 | R | R |
| SS | SS Exp. 6911NR2 | 4.8 | 3.5 | 3.3 | S | S |
| SS | SS LL590N | 5.0 | 2.0 | 2.5 | S | S |
| SS | SS5510NR2 | - | 3.8 | 4.5 | S | S |
| SS | SS5511NR2 | 2.0 | 3.0 | 3.8 | S | S |
| SS | SS7511NR2 | 4.5 | 4.3 | 5.0 | M | R |
| Terral-REV™ | 56R21™ | 3.0 | 4.5 | 4.8 | R | S |
| Terral-REV™ | 56R63™ | 4.8 | 4.8 | 5.0 | R | R |
| Terral-REV™ | 57R21™ | 4.3 | 5.0 | 5.0 | S | S |
| UGA | G03-1187RR | 2.3 | 1.8 | 1.5 | R | S |
| UGA | G04-1618RR | 1.5 | 4.8 | 4.8 | R | R |
| UGA | G04-2215RR | 1.0 | 4.8 | 3.8 | R | S |
| UGA | G05-1102RR | 2.3 | 2.5 | 3.3 | R | S |
| UGA | G05-4237RR | 1.0 | 2.5 | 5.0 | R | R |
| UGA | G06-2460RR | 1.0 | 3.3 | 4.0 | R | S |
| UGA | G06-2507RR | 2.0 | 3.8 | 5.0 | R | S |
| UGA | G06-3182RR | 1.0 | 2.8 | 1.8 | R | S |
| UGA | G07-1185RR | 1.3 | 2.5 | 2.8 | R | S |
| UGA | G07-1285RR | 3.5 | 4.8 | 4.0 | R | M |
| UGA | G07-1366RR | 1.8 | 3.5 | 4.0 | R | S |
| UGA | G07-2879RR | 1.3 | 5.0 | 4.5 | R | S |
| UGA | G07-3192RR | 1.5 | 4.0 | 3.5 | R | S |
| UGA | G07-3496RR | 1.5 | 4.3 | 4.8 | R | S |

Greenhouse Ratings for Resistance to Three Species of Root-knot Nematode and Soybean Cyst Nematode, 2011 (Continued)

| Company or Brand Name | Variety | Root-knot nematode | | | Cyst nematode | |
|--------------------------|---------------|---------------------------------|---------------------|-----------------------|---------------------------------|---------------------|
| | | Southern ¹ | Peanut ² | Javanese ³ | Race 3 ⁴ | Race 9 ⁵ |
| | | ----- rating ⁶ ----- | | | ---- reaction ⁷ ---- | |
| UGA | G07-3557RR | 2.3 | 3.5 | 5.0 | R | S |
| UGA | G07-3651RR | 1.8 | 3.3 | 3.5 | R | S |
| UGA | G07-3839RR | 1.3 | 3.8 | 4.8 | R | M |
| UGA | G09PR-54326R2 | 1.8 | 4.3 | 2.3 | R | S |
| UGA | G09PR-54329R2 | 1.5 | 3.5 | 3.0 | M | S |
| UGA | G09PR-54362R2 | 5.0 | 3.5 | 2.8 | R | S |
| UGA | G09PR-54378R2 | 2.8 | 1.5 | 1.8 | R | S |
| USG | 620nRR | 5.0 | 4.5 | 5.0 | R | R |
| USG | 76G10L | 5.0 | 5.0 | 4.3 | S | S |
| USG | 76S90R2 | 4.3 | 4.0 | 2.3 | S | S |
| USG | 7732nRR | 1.8 | 3.3 | 2.0 | S | S |
| USG | 77S40R2 | 4.3 | 4.8 | 3.8 | S | S |
| USG | Allen RR | 4.0 | 4.5 | 3.8 | S | S |
| VT | Glenn | 5.0 | 3.8 | 2.3 | S | S |
| Check Varieties | AGS Benning | 2.0 | 3.8 | 3.3 | R | S |
| | Boggs | 1.0 | 2.5 | 2.3 | R | S |
| | Bossier | 5.0 | 4.5 | 2.8 | S | S |
| | CNS | 5.0 | 5.0 | 5.0 | S | S |
| | Cook | 3.0 | 4.5 | 4.3 | 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 | 1.3 | 4.5 | 5.0 | R | S |
| | Hartwig | 1.8 | 4.5 | 4.0 | R | R |
| | Haskell | 1.5 | 2.5 | 2.3 | S | S |
| | Prichard | 1.0 | 5.0 | 5.0 | R | R |
| | LSD (0.10) | 0.8 | 0.8 | 0.8 | | |

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 = 71 (+), Pickett = 103 (+), PI88788 = 0 (-), 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.

8. - = All reps missing due to poor germ.

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