

Table 1. Soybean cyst nematode (SCN) reproduction and agronomic performance of maturity group II and III soybean varieties in southern Iowa in an SCN-infested field and a noninfested field in Crawfordsville in 2000.

Brand	Variety	Resistance Source	SCN-Infested Field						Noninfested Field				
			Stand (plants/ft)	Height (inches)	Lodging (1-5)	Yield (bu/acre)	Yield Rank	SCN # <sup>1</sup> (100 cc)	Stand (plants/ft)	Height (inches)	Lodging (1-5)	Yield (bu/acre)	Yield Rank
Maturity Group II:													
Asgrow	AG2905	PI 88788	7.1	22.3	1.3	28.7	5	225	9.8	34.3	1.4	45.9	3
Mark Seed	MRK 9928CTA	Not Given	6.3	24.5	1.8	32.3	2	1,163	8.7	36.3	1.5	46.4	2
Mark Seed	MRK 9929CTA	Not Given	6.9	23.0	1.3	28.1	7	3,213	9.6	36.0	1.6	46.7	1
Ottillie	RO 8275 RRN	PI 88788	6.8	21.8	1.5	24.4	9	50	8.2	33.3	1.6	41.5	8
Public	Dwight	PI 88788	8.1	21.5	1.5	29.1	4	188	10.1	33.0	1.6	45.7	4
Public	IA2021 (S) <sup>2</sup>	----	6.3	23.5	2.0	27.6	8	4,000	9.4	33.3	2.7	42.3	7
Public	IA2036	PI 88788	7.6	26.5	2.0	28.5	6	200	8.6	37.0	3.1	41.3	9
Public	Kenwood 94 (S) <sup>2</sup>	----	6.9	26.5	2.0	29.7	3	1,700	9.1	35.8	2.4	42.5	6
Public	Jack	PI 88788	7.2	34.5	2.0	38.1	1	75	9.7	40.8	2.7	45.2	5
LSD <sup>3</sup>			NS	5.3	NS	6.7	----	2,684	NS	2.2	0.5	2.6	----
Maturity Group III:													
Asgrow	AG3302 (S) <sup>2</sup>	----	7.1	25.0	1.8	28.2	11	2,213	9.8	38.3	2.0	45.8	3
Growmark	HS 3306	PI 88788	7.1	28.0	1.8	33.6	3	425	9.5	35.8	1.8	42.1	13
Growmark	HS 3591	PI 88788	5.5	28.5	1.8	28.8	9	300	10.0	40.3	1.7	45.9	2
Kruger	K-303 RR/SCN	PI 88788	6.8	21.0	1.8	28.6	10	313	9.4	33.8	1.7	44.0	7
Kruger	K-369 RR/SCN	PI 88788	6.5	26.8	2.0	28.1	12	200	7.5	38.8	1.4	42.2	12
Kruger	K-3777 SCN	PI 88788	7.5	29.0	2.0	30.6	6	163	10.1	40.5	1.3	45.0	4
Pioneer	93B51 (S) <sup>2</sup>	----	6.9	24.5	1.5	34.1	1	2,400	8.9	34.8	1.8	47.4	1
Prairie Brand	PB-3520NRR	PI 88788	5.4	27.5	1.8	26.6	14	125	9.5	39.3	1.4	42.9	11
Prairie Brand	PB-3720N	PI 88788	7.4	26.8	1.8	29.3	8	275	9.8	41.0	1.4	44.6	5
Public	IA3005	PI 88788	6.2	24.5	2.0	33.6	3	213	8.5	36.8	2.3	39.2	15
Stine	3502-2	Not Given	6.0	27.3	2.0	31.9	5	288	8.2	35.3	1.5	43.7	9
Stine	3522	Not Given	6.4	27.0	1.8	33.7	2	63	8.5	36.0	1.9	44.0	7
Stine	3293-4 (S) <sup>2</sup>	----	7.2	23.0	1.0	27.8	13	925	10.0	35.8	1.5	43.4	10
Stine	3522-4	PI 88788	6.5	24.8	2.0	30.1	7	138	8.5	36.5	1.7	44.5	6
Wilson	3780 RR/SCN	PI 88788	6.2	24.0	1.0	24.5	15	338	9.6	38.8	1.7	41.8	14
LSD <sup>3</sup>			NS	4.8	0.5	NS	----	865	NS	1.7	0.3	3.9	----

Values presented in table are means. Entries are listed in alphabetical order by brand, then in alphabetical and ascending numerical order by variety.

<sup>1</sup> Final SCN egg population density (eggs per 100 cc soil); there were no significant differences among initial SCN population densities; average initial SCN population density was 900 eggs per 100 cc soil for the maturity group II plots and 874 eggs per 100 cc soil for the maturity group III plots; field infested with race 3 SCN.

<sup>2</sup> Susceptible check variety.

<sup>3</sup> Least significant difference: values are from Fisher's least-significant-difference test, NS = no significant difference among the varieties.