

Table 1.

Location Crawfordsville (SE Iowa) **Planting date** 5/2/2005 **Initial SCN (eggs/100cc soil)** 2,624
Herbicide Treatment Roundup® **Harvest date** 10/4/2005 **SCN HG Type / Race** 2.7 / 1

Brand	Variety	Relative maturity	Resistance source	ISU field data							
				IDC (1-5)	Maturity date	Emergence (plants/ft)	Height (inches)	Lodging (1-5)	Yield (bu/acre)	Yield rank	SCN # ¹ (/100 cc)
LATHAM	Latham E2922RX	2.9	CystX	2.9	12	7.3	35.5	1.5	52.6	26	1,550
Lewis	2909	2.9	PI 88788	2.9	12	7.7	39.8	2.0	50.9	32	1,000
FOUR STAR SEED CO.	2282RR	2.8	PI 88788	3.0	12	7.0	38.0	2.0	50.2	34	1,400
Wilcross Seed	RR 2296NX1	2.9	PI 88788	3.1	12	8.8	36.5	2.3	48.6	36	725
PRAIRIE BRAND	PB-3383NRR	3.3	PI 88788	2.9	14	8.3	37.8	2.0	53.0	23	1,800
Kruger Seed Company	K-311RR/SCN	3.1	PI 88788	3.7	15	6.7	37.3	2.5	47.8	39	1,125
Kruger Seed Company	K-341RR/SCN	3.4	PI 88788	3.4	16	7.5	35.3	1.8	54.1	13	1,150
Kruger Seed Company	K-333RR/SCN	3.3	PI 88788	2.8	16	7.3	36.0	2.0	53.9	16	2,350
PRAIRIE BRAND	PB-3585NRR	3.5	PI 88788	2.8	16	7.1	35.3	2.0	53.4	18	2,175
FS HiSOY	HS 3536	3.5	PI 88788	3.3	16	7.4	37.0	2.0	52.8	24	2,200
Stine	Stine 3532-4	3.4	PI 88788	3.4	16	7.6	38.3	2.0	52.5	27	1,375
Asgrow	AG3305	3.3	PI 88788	2.8	16	7.7	34.5	1.5	51.1	31	1,275
LATHAM	Latham E3478R	3.4	PI 88788	2.9	16	7.3	34.8	1.8	48.7	35	1,475
Crow's	C3318R	3.3	PI 88788	3.6	17	8.2	42.5	2.0	56.8	4	800
Merschman	Merschman Grant IIIR	3.3	PI 88788	2.4	17	8.2	37.5	2.0	54.6	8	2,125
Asgrow	AG3005	3.0	None (S)	3.3	17	8.0	36.3	2.0	54.3	10	2,975
Wilson Seeds	3562RR	3.5	PI 88788	2.8	17	9.4	36.3	1.8	54.1	13	2,700
Lewis	3515	3.5	PI 88788	3.5	17	7.9	33.8	1.5	53.7	17	1,200
Crow's	C3518R	3.5	PI 88788	2.9	17	7.2	35.8	2.0	52.7	25	1,725
Kruger Seed Company	K-355RR/SCN	3.5	PI 88788	3.0	17	9.9	36.3	2.0	52.0	28	2,225
Asgrow	AG3302	3.3	None (S)	3.3	17	9.4	40.8	2.3	46.7	42	5,575
Midwest Seed Genetics	GR3333	3.3	PI 88788	3.6	18	8.5	41.8	2.0	56.2	6	1,225
FOUR STAR SEED CO.	2314RR	3.1	PI 88788	3.5	18	8.0	41.5	2.0	54.5	9	1,650
Wilcross Seed	RR 2335N	3.3	PI 88788	3.7	18	8.7	40.8	2.0	54.3	10	1,550
Midwest Seed Genetics	GR3633	3.6	PI 88788	3.8	19	8.9	42.5	2.0	58.1	1	1,800

Table 1 continued.

Brand	Variety	Relative maturity	Resistance source	ISU field data							
				IDC (1-5)	Maturity date	Emergence (plants/ft)	Height (inches)	Lodging (1-5)	Yield (bu/acre)	Yield rank	SCN # ¹ (/100 cc)
Wilson Seeds	3790RR	3.7	PI 88788	3.1	19	8.8	38.0	2.0	54.3	10	2,500
PRAIRIE BRAND	PB-3785NRR	3.7	PI 88788	2.9	19	9.3	40.5	2.0	53.4	18	600
Asgrow	AG3602	3.6	PI 88788	3.1	19	9.0	39.8	2.3	50.6	33	1,900
Kruger Seed Company	K-373RR/SCN	3.7	PI 88788	2.4	19	8.2	42.0	2.5	48.5	38	900
Kruger Seed Company	K-399RR/SCN	3.9	PI 88788	3.5	19	8.8	41.5	3.0	47.5	40	1,050
Wilcross Seed	RR 2355N	3.5	PI 88788	3.3	20	8.6	40.5	1.8	57.8	2	1,775
Wilcross Seed	RR 2385NSTS	3.8	PI 88788	3.5	20	7.0	35.8	2.0	54.0	15	1,625
Stine	Stine 3942-4	3.8	PI 88788	2.7	20	8.3	36.5	1.3	53.4	18	1,925
Wilcross Seed	RR 2386	3.8	PI 88788	2.6	20	9.2	37.8	1.0	53.2	22	4,575
<i>Pioneer Hi-Bred</i>	<i>93B68</i>	<i>3.6</i>	<i>None (S)</i>	<i>3.2</i>	<i>20</i>	<i>7.8</i>	<i>38.5</i>	<i>1.3</i>	<i>52.0</i>	<i>28</i>	<i>7,500</i>
Wilcross Seed	RR 2386NX2	3.8	PI 88788	3.2	20	6.6	45.8	2.0	51.3	30	1,475
<i>Pioneer Hi-Bred</i>	<i>93M92</i>	<i>3.9</i>	<i>None (S)</i>	<i>2.9</i>	<i>20</i>	<i>8.9</i>	<i>39.3</i>	<i>1.5</i>	<i>48.6</i>	<i>36</i>	<i>6,950</i>
Stine	Stine 3832-4	3.8	PI 88788	3.0	20	9.9	40.0	2.0	46.8	41	1,775
Kruger Seed Company	K-389RR/SCN	3.8	PI 88788	3.4	21	8.4	37.8	2.0	57.8	2	1,550
FS HiSOY	HS 3846	3.8	PI 88788	3.5	21	8.0	36.8	2.0	56.7	5	875
PRAIRIE BRAND	PB-3894NRR	3.8	PI 88788	3.8	21	6.9	36.5	2.0	55.4	7	1,375
Merschman	Merschman Kennedy 538RR	3.8	PI 88788	2.8	22	7.8	37.0	1.3	53.4	18	2,350
	Trial Average	3.5	---	3.2	18	8.1	38.3	1.9	52.6	---	2,057
	LSD ²	---	---	---	---	1.7	2.7	0.4	4.8	---	1,813

Values presented in table are means. Entries are listed in order of maturity date (days after August 31 at the SE location), then by decreasing order of yield.

Italicized entries are widely grown SCN-susceptible varieties entered by Iowa State University for comparison purposes.

Seed of Wilken W-3467NRR was not available at time of planting.

¹ Final SCN egg population density (eggs per 100 cc soil); there were no significant differences among initial SCN population densities.

² Least significant difference: values are from Fisher's least-significant difference test (P=0.05), NS = no significant differences among the varieties.