

2000 WISCONSIN SOYBEAN VARIETY TESTS

J. G. Lauer, M. J. Martinka, K. A. Bures, J. M. Gaska, C. R. Grau, and N. C. Kurtzweil
Departments of Agronomy and Plant Pathology
University of Wisconsin - Madison

The 2000 Report	Table	Page #
General Information on the 2000 Test -----	1-----	3
Southern Region-----	2-----	4
Arlington, Janesville, Lancaster, Racine--		
Central Region-----	3-----	9
FonduLac, Galesville, Hancock		
North-Central Region-----	4-----	13
Chippewa Falls, Marshfield, Seymour, Valders		
Northern Region-----	5-----	17
Ashland, Spooner, Sturgeon Bay		
Early Maturity Disease Test-----	6-----	18
Hancock		
Mid Maturity Disease Test-----	7-----	20
Arlington-		
Late Maturity Disease Test-----	9-----	25
Arlington		
Characteristics of Public Varieties-----	10-----	30
Characteristics of Private Varieties-----	11-----	31
Seed Source for the 2000 Tests-----	12-----	40
Precipitation and Temperature Summary-----	13-----	41

The Wisconsin Soybean Variety Test is conducted each year to provide performance information to help farmers select superior varieties or brands for their farms.

Seed companies, private breeders, and university research and extension specialists voluntarily submitted any number of entries they wished. Most of these entries are Commercially available, but experimental varieties were also tested. No attempt was made to include commercial cultivars not voluntarily entered, but numerous public cultivars are included for comparison

Tests were conducted at all locations using conventional or reduced tillage practices. In addition, "Roundup Ready" varieties were included at all locations. Seeding rate was 225,000 seeds/acre at various row spacings, as listed in Table 1. Tests were conducted as a randomized complete block design, in a split-block arrangement, with four replications. Weeds on the conventional and STS varieties were controlled by a combination of herbicides, as listed in Table 1. Roundup was applied post-emergence on all "Roundup Ready" varieties, except at Ashland and Valders.

Growing Conditions

Overall, 2000 provided average to below average growing conditions for the Wisconsin soybean crop. Early soybean planting advanced at an above average pace with 89% of the crop planted by June 4, 8% above the 5-year average. Cool and wet weather in late May and June along with isolated hail slowed early soybean emergence and growth and forced some producers to replant lost or damaged crops. Soybean bloomed and set pods slightly behind last year's pace. Cooler July and August temperatures kept plants shorter than average, which affected pod fill, pod number, and seed size and kept average yields well below the record set in 1999. State average yields are projected to be 40 bushels/acre. Despite the low yields, the 2000 Wisconsin soybean crop is expected to be the second largest, with a record harvested acreage of 1.44 million acres.

Average yields of entries at a test site compared to the long-term average can be used to compare growing conditions in a particular area. Yield comparisons at all test sites are shown in Table 1.

How Performance was Measured

Yield: Plots were weighed and moisture was determined in the field using electronic equipment on the plot harvester. Yields are reported in bushels (60 pounds/bushel) per acre at a moisture content of 13 percent.

Height: Plant height was measured in inches from the soil surface to the tip of the main stem at harvest time.

Lodging: Lodging scores were based on the average erectness of the main stem of plants at maturity. 1 = all plants erect, 2 = slight lodging, 3 = plants lodged at 45° angle, 4 = severe lodging, 5 = all plants flat.

Maturity: An entry was considered mature when at least 90 percent of the pods had turned brown. Seven to ten days of drying weather are generally required before soybeans are ready to combine. Variety performance is presented by originator/brand, then from earliest to latest based on the relative maturity of the variety.

Other Characteristics: Table 9 lists identifying characteristics of the public entries and Table 10 lists identifying characteristics of commercial entries.

Phytophthora Root Rot

There are several races of Phytophthora. Resistance genes are incorporated into varieties (see Tables 9 and 10) to provide complete or partial resistance to this fungus are as follows:

<u>Gene</u>	<u>Races</u>
Rps1-a	1, 2, 10, 11, 13-18, 24
Rps1-b	1, 3-9, 13-15, 17, 18, 21, 22
Rps1-c	1-3, 6-11, 13, 15, 17, 21, 23, 24
Rps1-k	1-11, 13-15, 17, 18, 22, 24
Rps4	1-4, 10, 12, 16, 18-21, 25
Rps3	1-5, 8, 9, 11, 13, 14, 16, 18, 23, 25
Rps6	1-4, 10, 12, 14-16, 18-21, 25

The information shown in Tables 9 and 10 is based on information supplied by public breeders or companies that are releasing the variety.

Brown Stem Rot

This disease is currently considered to be the most yield limiting soybean disease in Wisconsin. This vascular disease inhibits translocation of water and nutrients to the top of the plant late in the season and is often confused with early maturity. In 2000, lower air temperature in August and into September were favorable for extensive disease development in susceptible varieties. In 1999 and 2000, all varieties entered in the state performance test were also evaluated at Arlington with light to moderate BSR levels. In addition, in 2000 all varieties were tested in a greenhouse test. This test is conducted by inoculating new seedlings with the BSR pathogen. The plants are then inspected by measuring symptom severity. In both cases, the varieties were tested on a 0 (no incidence) -11 (high severity). Varieties that scored between 1-5 in both field and greenhouse trials are a low risk in fields with a history of BSR. Varieties that scored above 5 in either trial are a moderate risk, and varieties that scored above 5 in both trials are a high risk in fields with a history of BSR. High risk fields are those with a frequent history of soybeans, planted in alternate years or more frequently, receive reduced or no tillage and have a soil pH below 6.5. Results from 2000 are shown in Table 6, 7, and 8.

White Mold (Sclerotinia)

Sclerotinia which infects the plant at flowering time does not become evident until late pod formation. Varieties entered in the state performance test were evaluated at either Arlington or Hancock in a separate white mold disease test. White mold disease pressure was moderate in 2000 at both sites. Results expressed as % incidence and yield are shown in Tables 3, 6, 7, and 8 of this report.

Soybean Viruses and Insects

Viruses frequently followed heavy feeding by the soybean aphid and bean leaf beetle. Besides foliar symptoms, viruses are associated with causing the incidence of green stem plants at harvest. However, the incidence of green stem was not significant in 2000. The incidence of viruses is frequently associated with discolored seed (mottled seed). Mottled seed was common in our research plots in southern Wisconsin. High virus activity was greatest if canopy density was slowed during the season. Fields planted in late May or later were affected more than fields planted early in the season. Results from research plots are being analyzed and will be reported during winter meetings.

The detection of the soybean aphid is the most significant change related to soybean health. Data from insecticide trials in 2000 support the conclusion that the soybean aphid is reducing yield 68 bushels per acre without causing appreciable feeding injury symptoms. The Bean leaf beetle also was active in 2000, but appeared to cause less direct feeding damage.

What the Results Mean

The performance of a variety may vary from year to year, even at the same location. Multiple tests over two or more years more accurately indicates the variety performance. When selecting a variety consider: lodging characteristics, plant height, maturity and disease resistance in addition to yield.

Small differences in yield may not be significant. The yield of any two entries may differ because of chance factors (such as differences in fertility, moisture availability and diseases) even though the two entries do not have inherently different yielding abilities. As an aid in determining true differences in yield, the Least Significant Difference (LSD) statistic is used. If the difference between varieties is greater than the tabulated LSD value, then the entries are said to be "significantly different." The probability of a mean difference being greater than the LSD by chance is 1 out of 10 for the 0.10 LSD value.

Authors: J. G. Lauer is Associate Professor of Agronomy, M.J. Martinka is Program Manager in Agronomy, K.A. Bures is Research Specialist in Agronomy, J.M. Gaska is Outreach Specialist in Agronomy, C.R. Grau is Professor of Plant Pathology, and N. C. Kurtzweil is Research Specialist in Plant Pathology, College of Agricultural and Life Sciences, University of Wisconsin-Madison. Lauer and Grau also hold an appointment with University of Wisconsin-Extension, Cooperative Extension.

University of Wisconsin & Plant Pathology Department has a soybean plant health web site at <http://www.plantpath.wisc.edu/soyhealth/index.htm>

Wisconsin Crop Improvement Association provides financial and administrative support for the Wisconsin soybean variety tests. <http://www.wisc.edu/wcia>.

University of Wisconsin-Extension, Cooperative Extension, in cooperation with the U.S. Department of Agriculture and Wisconsin counties, publishes this information to further the purpose of the May 8 and June 30, 1914 Acts of Congress; and provides equal opportunities and affirmative action in employment and programming. If you need this material in an alternative format, contact the University of Wisconsin Agronomy Department at (608)262-1390.

This publication is available free from your Wisconsin county Extension office or from the Department of Agronomy, 1575 Linden Dr., Madison, Wisconsin 53706. Phone (608) 262-1390. This publication can also be obtained on the web at <http://www.uwex.edu/ces/soybean/>.

A3654 2000 Wisconsin Soybean Variety Test Results

TABLE 1. GENERAL INFORMATION ON THE 2000 SOYBEAN TESTS

Location	Cooperators	Row Spacing	Soil Type	Soil Tests (1)		Herbicide Program (2)		Planting Date	Harvest Date	Average Yield	
						CN Varieties	RR Varieties			2000	1999
Arlington Variety Trial	S. Kraak, J. Quimby	15"	Silt loam	pH: 6.5 P: 125	OM: 4.0 K: 275	PRE: Dul, Pur Post: Pnc, Bas, Asr	Dul, Pur Rnd	3-May	8-Oct	56	72
Arlington White Mold Trial	S. Kraak, J. Quimby	7.5"	Silt loam	pH: 6.6 P: 50	OM: 3.2 K: 130	PPI: Dul, Pur Post: Pnc, Bas, Asr	Dul, Pur Rnd	16-May	M :12-Oct L :13-Oct	55 51	57
Arlington BSR Trial	S. Kraak, J. Quimby	30"	Silt loam	pH: 6.2 P: 180	OM: 4.0 K: 285	PPI: Dul Post: Bas, Asr	Dul Rnd	2-May	*	*	63
Ashland	M. Mlynarek	8"	Loamy Fine Sand	pH: 6.2 P: 71	OM: 2.2 K: 132	PRE:Trb Post: None	Trb None	19-May	8-Oct	34	**
Chippewa Falls	J. Clark	15"	Silt loam	pH: 5.6 P: 130	OM: 3.0 K: 164	PRE: None Post: Pur, Pnc, Asr	None Rnd	8-May	28-Sep	45	48
Fond du Lac	M. Rankin, E. Montsuma	15"	Silt loam	pH: 6.9 P: 50	OM: 4.0 K: 98	PRE: Dul, Brd Post: Bas, Pst	Dul, Brd Rnd	6-May	11-Oct	53	55
Galesville	K. Congdon	15"	Silt loam	pH: 6.2 P: 60	OM: 3.7 K: 310	PRE: Dul, Pur Post: Pnc, Bas, Asr	Dul, Pur Rnd	10-May	6-Oct	60	53
Hancock	J. Breuer, G. Humphrey	15"	Sand Irrigated	pH: 6.4 P: 120	OM: 0.6 K: 63	PRE: Las Post: Pnc, Bas, Asr	Las Rnd	8-May	12-Oct	54	64
Hancock White Mold	Same as Above	7.5"				Same as Above			E :13-Oct	51	53
Janesville	R. Jaynes, D. Nehring	15"	Silt loam	pH: 6.9 P: 69	OM: 3.4 K: 195	PPI: Frft Post: Pnc, Pur, Asr	Frft Rnd	2-May	3-Oct	57	70
Lancaster	T. Wood	15"	Silt loam	pH: 7.1 P:35	OM:2.2 K:101	PRE: Lib Post: Pnc, Pur, Asr	Lib Rnd	7-Jun (replant)	17-Oct	59	68
Marshfield	D. Wiersma	15"	Silt loam	pH: 6.1 P: 45	OM: 2.8 K: 95	PPI: Dul, Pur Post: None	Dul, Pur Rnd	9-May	10-Oct	47	63
Racine	Henderson Seed Farm	15"	Clay loam	pH: 6.7 P: 40	OM: 3.6 K: 124	PRE: None Post: Pnc, Pur, Asr	None Rnd	5-May	9-Oct	***	52
Seymour	R. Vanden Heuvel	15"	Clay loam	pH: 7.1 P: 33	OM: 3.4 K: 157	PRE: Dul, Pur Post: Pnc, Bas	Dul, Pur Rnd	15-May	5-Oct	53	65
Spooner	M. Bertram	8"	Silt Loam	pH: 6.6 P: 25	OM: 2.5 K: 80	PPI: None Post: Pur, Fus	None Rnd	22-May	9-Oct	22	38
Sturgeon Bay	D. Weidman	15"	Silt Loam	pH: 7.2 P: 200	OM: 2.0 K: 314	PRE: Dul, Pur Post: Pnc, Bas, Asr	Dul, Pur Rnd	15-May	6-Oct	45	43
Valders	L. Berge, S. Hendrickson	15"	Clay loam	pH: 7.1 P: 45	OM: 2.4 K: 152	PPI: Purplus Post: None	Purplus None	11-May	4-Oct	55	54

(1) OM = Organic Matter in %, P and K in ppm.

(2) Herbicide Abbreviations: Asr-Assure, Bsg-Basagran, Brd-Broadstrike, Dul-Dual, Frn-Frontier, Frft- Firstrate, Fus-Fusilade, Las-Lasso, Lib-Liberty, Lor-Lorox, Pnc-Pinnacle, Pst-Poast, Pur-Pursuit, Purplus- Pursuit Plus, Prl-Prowl, Rnd- Roundup, Snc- Sencor, Trb-Turbo 8E.

*BSR 2000 was not harvested for yield.

**Ashland 1999 site was lost due to frost shortly after planting.

***Racine 2000 site was lost because it suffered from excessive water damage and therefore the data is not being reported.

TABLE 2. SOUTHERN REGION SOYBEAN TEST

2000 Performance of Public and Commercial Entries at Four Southern Wisconsin Locations.

ARL=ARLINGTON, JAN=JANESVILLE, LAN=LANCASTER, RAC=RACINE

Originator/Branch	Entry	Maturity/Herb. Group Toler. **		2000 3-Test Average				2000 Yields			1999 4-Test Average				1999 Yields				7 -Test
		Yield	Lodging	Height	Maturity	ARL	JAN	LAN	Yield	Lodging	Height	Maturity	ARL	JAN	LAN	RAC	Ave. Yield		
		Bu/A	1-5	In	Date	Bu/A-----			Bu/A	1-5	In	Date	Bu/A-----				Bu/A		
Public	MN 1401	1.4	CN	59	2.0	36	16-Sep	58	57	62									
Public	PARKER	1.5	CN	56	2.7	36	18-Sep	60	56	53									
Public	IA 1006	1.6	CN	60	3.0	35	18-Sep	57	58	64	69	2.5	41	16-Sep	74	69	* 73	* 59	* 65
Public	IA 1008	1.7	CN	57	1.3	33	20-Sep	57	61	53	64	1.5	40	20-Sep	68	64	67	* 58	61
Public	GRANITE	1.8	CN	58	2.3	34	19-Sep	58	59	58	62	2.8	39	19-Sep	62	66	66	54	60
Public	IA 1009	1.8	CN	58	2.3	30	19-Sep	61	59	53	60	3.8	37	21-Sep	62	64	59	* 55	59
Public	MN 1801	1.8	CN	56	1.7	32	18-Sep	55	58	55	66	2.3	38	16-Sep	71	71	68	* 55	62
Public	BSR 101	1.9	CN	56	2.0	32	20-Sep	60	54	55	60	2.3	38	20-Sep	66	65	60	49	58
Public	HARDIN	1.9	CN	56	2.3	32	18-Sep	57	55	56	61	2.8	39	19-Sep	69	68	60	48	59
Public	STURDY	2.0	CN	59	2.0	33	22-Sep	58	61	58	64	2.8	40	19-Sep	69	66	69	51	62
Public	IA 2008 R	2.1	CN	61	2.7	37	23-Sep	58	61	63									
Public	TITAN	2.1	CN	60	2.0	31	20-Sep	59	56	* 65	63	1.5	35	14-Sep	68	66	64	54	62
Public	IA 2039	2.3	CN	54	2.7	33	23-Sep	55	58	50									
Public	IA 2050	2.5	CN	54	1.7	31	20-Sep	53	54	56									
Public	IA 2052	2.5	CN	61	2.0	34	24-Sep	63	61	58									
Public	JACK	2.5	CN	55	2.7	39	30-Sep	58	53	55									
Agripro	AP 2002 RR	2.0	RR	58	2.0	34	20-Sep	51	59	63	61	3.0	41	25-Sep	68	64	63	48	59
Agripro	AP 2502 RR	2.5	RR	* 63	1.7	34	23-Sep	* 64	61	* 65	* 70	2.0	41	23-Sep	76	74	71	* 57	* 67
Agripro	AP 2569	2.5	CN	* 64	1.7	31	24-Sep	* 69	61	61									
Asgrow	AG2001	2.0	RR	60	2.0	34	20-Sep	58	57	64	66	1.8	37	19-Sep	74	72	65	53	63
Asgrow	AG2102	2.1	RR	53	1.0	31	20-Sep	53	51	56									
Asgrow	AG2203	2.1	RR	56	1.0	30	20-Sep	53	56	60									
Asgrow	AG2304	2.3	RR	59	1.7	32	22-Sep	50	60	* 68									
Asgrow	AG2405	2.7	RR	61	1.7	33	27-Sep	56	59	* 68									
Atlas Brand	5240 RR	2.4	RR	58	1.3	33	23-Sep	53	57	63									
Brunner	BR 2099 RR	2.0	RR	56	1.7	33	21-Sep	50	61	58									
Croplan	L 1969	1.9	CN	52	1.3	31	24-Sep	52	49	55									
Croplan	L 1984	1.9	CN	58	1.7	31	20-Sep	59	56	60									
Croplan	L 2495	2.4	CN	61	1.7	31	26-Sep	57	61	64	* 70	1.8	37	22-Sep	* 80	74	* 75	50	* 66
Croplan	RT 2454	2.4	RR	55	1.0	32	23-Sep	51	57	56									
Croplan	L 2546	2.5	CN	57	2.3	31	28-Sep	58	56	57									
Crow's	C 24007	2.4	CN	56	1.3	32	24-Sep	55	56	57									
Crow's	C 25001R	2.4	RR	51	1.0	31	21-Sep	46	50	58									
Dairyland	DSR-197 RR	1.9	RR	55	1.0	30	18-Sep	49	59	57									
Dairyland	DSR-215 RR	2.1	RR	59	1.0	33	19-Sep	57	58	62	66	1.3	39	20-Sep	74	71	69	50	63

CONTINUED

TABLE 2. SOUTHERN REGION SOYBEAN TEST

2000 Performance of Public and Commercial Entries at Four Southern Wisconsin Locations.

ARL=ARLINGTON, JAN=JANESVILLE, LAN=LANCASTER, RAC=RACINE

Originator/Branch	Entry	Maturity/Herb. Group Toler. **		2000 3-Test Average				2000 Yields			1999 4-Test Average				1999 Yields				7 -Test
				Yield	Lodging	Height	Maturity	ARL	JAN	LAN	Yield	Lodging	Height	Maturity	ARL	JAN	LAN	RAC	Ave. Yield
Dairyland	DSR-218	2.1	CN	59	1.3	32	22-Sep	58	60	59	* 70	1.0	39	25-Sep	* 78	* 76	70	* 57	* 65
Dairyland	DSR-228 RR	2.2	RR	61	1.7	34	24-Sep	56	62	64									
Dairyland	DSR-241 RR	2.4	RR	58	1.0	29	21-Sep	56	57	61	66	1.0	36	24-Sep	67	75	70	51	62
Dairyland	DSR-243	2.4	CN	57	1.3	30	23-Sep	55	56	59									
Dairyland	DSR-272 RR	2.7	RR	54	2.3	34	24-Sep	53	48	61									
Dairyland	DSR-280 STS	2.8	STS	61	2.0	34	30-Sep	63	58	61	* 70	1.8	40	27-Sep	* 77	72	72	* 58	* 66
De Raedt	1812	1.8	CN	53	1.7	30	20-Sep	55	55	48									
De Raedt	2211	2.2	CN	59	1.0	33	24-Sep	60	60	58									
Dekalb	DKB19-51	1.9	RR	54	1.3	30	19-Sep	55	54	53									
Dekalb	DKB23-51	2.3	RR	59	1.7	33	24-Sep	59	56	61									
Dekalb	DKB23-95	2.3	CN	57	1.7	31	25-Sep	57	52	61									
Dekalb	DKB26-51	2.6	RR	59	2.0	35	27-Sep	55	59	63									
Dekalb	DKB26-52	2.6	RR	62	2.3	36	26-Sep	57	63	* 65									
Dekalb	DKB28-51	2.8	RR	57	2.0	33	28-Sep	53	55	62									
Dyna-Gro	DG 3243 RR	2.4	RR	55	1.0	31	24-Sep	52	55	57	66	1.5	37	22-Sep	68	74	69	51	61
Dyna-Gro	DG 3254	2.5	CN	60	2.0	31	26-Sep	60	60	61	69	2.0	37	25-Sep	73	* 76	* 75	53	* 65
Dyna-Gro	DG 3264 RR	2.6	RR	59	1.3	30	23-Sep	53	60	64									
Garst	D 198 RR	1.9	RR	54	1.3	30	21-Sep	48	54	60									
Garst	D 208	2.0	CN	* 63	1.7	32	22-Sep	* 67	60	63	66	2.3	37	24-Sep	70	71	70	54	* 65
Garst	D 261 RR	2.5	RR	52	1.3	32	22-Sep	49	50	57	61	1.5	39	24-Sep	65	71	63	46	57
Golden Harvest	H 1184	1.8	CN	61	1.7	32	20-Sep	62	59	62	68	1.8	37	22-Sep	70	* 79	66	* 57	* 65
Golden Harvest	X 01929 RR	1.9	RR	52	2.0	31	20-Sep	49	53	53									
Golden Harvest	H 2000 RR	2.0	RR	51	1.3	30	22-Sep	44	51	58	66	1.3	37	21-Sep	68	* 76	68	50	59
Golden Harvest	X 02120	2.1	CN	62	1.7	29	22-Sep	59	60	* 66									
Golden Harvest	X 02151 RR	2.1	RR	60	2.0	33	24-Sep	58	61	61									
Golden Harvest	H 2356 RR	2.3	RR	51	1.0	31	21-Sep	45	52	55	69	1.5	39	27-Sep	* 80	73	70	52	61
Golden Harvest	X 92333	2.3	CN	54	2.0	33	25-Sep	58	50	55									
Golden Harvest	H 2494	2.4	CN	62	1.0	31	23-Sep	* 66	58	61	69	1.5	37	27-Sep	76	* 78	* 73	50	* 66
Golden Harvest	H 2510	2.5	CN	56	1.3	31	27-Sep	62	53	53	* 72	1.8	38	26-Sep	* 77	* 79	72	* 61	* 65
Golden Harvest	H 2582 RR	2.5	RR	53	1.3	29	23-Sep	50	54	55	64	1.0	37	25-Sep	70	68	64	54	59
Golden Harvest	X 92557	2.5	CN	57	1.7	31	27-Sep	59	57	56									
Growmark	HS 2105	2.1	RR	62	2.0	34	23-Sep	54	62	* 69									
Growmark	HS 2106	2.1	RR	62	1.0	34	22-Sep	58	* 64	64									
Growmark	RT 2175	2.1	RR	59	1.3	31	21-Sep	59	58	60	62	1.5	37	18-Sep	63	68	64	54	61
Growmark	HS 2491	2.4	CN	56	1.7	32	26-Sep	54	56	57									
Growmark	RT 2495	2.4	RR	56	1.0	31	25-Sep	53	55	61									

CONTINUED

TABLE 2. SOUTHERN REGION SOYBEAN TEST

2000 Performance of Public and Commercial Entries at Four Southern Wisconsin Locations.

ARL=ARLINGTON, JAN=JANESVILLE, LAN=LANCASTER, RAC=RACINE

Originator/Branch	Entry	Maturity/Herb. Group Toler. **		2000 3-Test Average				2000 Yields			1999 4-Test Average				1999 Yields				7 -Test
		Yield	Lodging	Height	Maturity	ARL	JAN	LAN	Yield	Lodging	Height	Maturity	ARL	JAN	LAN	RAC	Ave. Yield		
		Bu/A	1-5	In	Date	Bu/A-----			Bu/A	1-5	In	Date	Bu/A-----				Bu/A		
Growmark	HS 2606	2.6	RR	57	1.7	33	27-Sep	55	59	57									
Growmark	RT 2696	2.6	RR	56	2.0	32	27-Sep	53	57	59	68	2.3	37	25-Sep	72	73	71	* 57	63
Gutwein	7241	2.4	CN	54	1.7	31	27-Sep	55	52	55									
Gutwein	7245 RR	2.4	RR	52	1.7	32	27-Sep	48	49	58									
Gutwein	7288 RR	2.8	RR	51	2.3	35	28-Sep	41	52	61									
High Cycle	2243 RR	2.4	RR	55	1.3	32	23-Sep	51	55	60	67	1.3	37	28-Sep	72	75	68	52	62
High Cycle	2273 RR	2.7	RR	58	1.7	32	23-Sep	54	59	61									
Hughes	209 RR	2.0	RR	54	1.7	32	22-Sep	50	56	56	67	2.0	39	25-Sep	* 77	69	67	53	61
Hughes	225	2.2	CN	58	1.0	34	24-Sep	60	58	57	* 71	1.0	39	27-Sep	* 77	* 78	72	* 57	* 66
Hughes	239 RR	2.4	RR	58	1.0	29	24-Sep	56	58	60									
Hughes	242 RR	2.4	RR	56	1.0	33	24-Sep	50	60	59									
Hughes	247 RR	2.4	RR	55	1.0	29	23-Sep	54	54	57	67	1.0	36	24-Sep	73	71	66	* 56	62
Hughes	252	2.5	CN	59	1.7	40	29-Sep	54	56	* 66	68	1.8	45	26-Sep	* 81	66	68	* 55	64
Hughes	259	2.5	CN	58	1.3	31	25-Sep	58	54	62									
Hughes	261 RR	2.5	RR	52	1.0	30	25-Sep	50	52	55	66	1.0	37	24-Sep	73	70	70	51	60
Jung	1198A	1.9	CN	60	1.7	28	21-Sep	61	61	58									
Jung	8226 RR	2.2	RR	59	1.3	33	22-Sep	54	61	61									
Jung	8242 RR	2.4	RR	57	1.7	30	24-Sep	57	53	60									
Kaltenberg	KB 220	2.2	CN	60	1.0	33	24-Sep	62	62	56	69	1.3	39	24-Sep	76	73	* 77	48	* 65
Kaltenberg	KB 240	2.4	CN	61	1.3	30	24-Sep	* 65	57	62	68	1.8	37	26-Sep	73	71	* 76	52	* 65
Kaltenberg	KB 242 RR	2.4	RR	58	1.0	32	25-Sep	56	56	62	67	1.3	39	27-Sep	* 81	72	66	50	63
Kaltenberg	KB 248	2.4	CN	55	1.3	31	25-Sep	55	54	57	69	2.0	37	23-Sep	76	73	71	* 55	63
Kaltenberg	X 243	2.4	CN	61	2.0	32	29-Sep	* 64	58	61									
Kaltenberg	KB 262	2.6	CN	58	2.0	32	29-Sep	58	54	62									
Kaltenberg	KB 268	2.6	CN	61	2.0	30	27-Sep	63	62	58	* 70	1.8	36	25-Sep	* 80	71	* 73	* 55	* 66
Kaltenberg	KB 271 RR	2.7	RR	56	1.3	33	25-Sep	53	55	61									
Latham	EX 187 RR	1.5	RR	57	1.3	32	18-Sep	58	58	56									
Latham	250 Brand	1.7	CN	61	1.7	32	20-Sep	* 66	58	59	66	1.8	35	25-Sep	71	70	69	53	64
Latham	EX 290	1.7	CN	58	1.3	31	20-Sep	57	57	61									
Latham	337 RR Brand	1.9	RR	56	1.7	34	22-Sep	51	59	58									
Latham	392 Brand	1.9	CN	* 66	2.0	33	21-Sep	* 69	* 64	64	68	2.3	40	21-Sep	71	69	72	* 59	* 67
Latham	410 Brand	1.9	CN	56	1.0	30	21-Sep	57	54	57									
Latham	EX 407 RR	1.9	RR	52	1.3	31	19-Sep	47	54	55									
Latham	EX 467 RR	2.1	RR	61	2.0	33	23-Sep	56	63	64									
Latham	530 Brand	2.2	CN	60	1.0	33	23-Sep	59	61	60	* 71	1.3	39	27-Sep	* 78	* 76	* 74	* 56	* 66
Latham	EX 570	2.2	CN	62	1.7	30	24-Sep	* 65	58	63									
Latham	640 Brand	2.3	CN	59	1.7	32	26-Sep	61	57	59	* 71	1.8	38	26-Sep	* 80	* 76	* 79	49	* 66

CONTINUED

TABLE 2. SOUTHERN REGION SOYBEAN TEST

2000 Performance of Public and Commercial Entries at Four Southern Wisconsin Locations.

ARL=ARLINGTON, JAN=JANESVILLE, LAN=LANCASTER, RAC=RACINE

Originator/Brand	Entry	Maturity	Herb. Group	Toler. **	2000 3-Test Average			2000 Yields			1999 4-Test Average				1999 Yields				7 -Test	
					Yield	Lodging	Height	Maturity	ARL	JAN	LAN	Yield	Lodging	Height	Maturity	ARL	JAN	LAN	RAC	Ave. Yield
					Bu/A	1-5	In	Date	----- Bu/A -----			Bu/A	1-5	In	Date	----- Bu/A -----				Bu/A
LG Seeds	C 2111 RR	2.1	RR		61	2.0	33	25-Sep	53	63	* 68									
LG Seeds	C 2200	2.2	CN		61	2.0	31	24-Sep	* 68	55	60									
LG Seeds	C 2425 RR	2.4	RR		59	1.3	32	25-Sep	57	57	62									
LG Seeds	C 9244	2.4	CN		53	1.0	31	27-Sep	53	51	55									
Mallard	RR X 2212	2.2	RR		52	1.0	31	24-Sep	44	50	61									
Mallard	X2013	2.3	CN		56	1.7	31	27-Sep	56	55	58									
Mark	MRK 0021	2.1	CN		54	2.0	32	23-Sep	54	59	49									
Mark	MRK 9921	2.1	CN		57	1.0	29	23-Sep	58	56	58	* 71	2.0	35	25-Sep	73	* 77	* 78	* 55	* 65
Mark	MRK 9923	2.3	CN		55	1.7	31	26-Sep	56	53	57									
Mark	MRK 9923 CTA	2.3	CN		56	1.7	30	25-Sep	55	58	56									
Mark	MRK 9824	2.4	CN		* 63	1.0	31	25-Sep	* 66	62	61	68	1.5	36	25-Sep	74	74	* 73	52	* 66
Mark	MRK RR 9924 CT	2.4	RR		54	2.0	34	27-Sep	49	59	55									
Mark	MRK 0226 CTA	2.6	CN		57	2.0	33	01-Oct	53	55	62									
Mark	MRK 9927	2.7	CN		61	2.3	32	26-Sep	59	62	62	69	1.8	37	27-Sep	* 77	* 76	72	51	* 66
Mark	MRK 9929	2.9	CN		57	2.7	34	27-Sep	57	54	60									
Midwest	G 1915	1.9	CN		59	1.7	31	20-Sep	57	57	63									
Midwest	G 2044 R	2.0	RR		57	1.3	33	20-Sep	54	58	58									
Midwest	G 2380	2.4	CN		57	1.0	31	25-Sep	54	55	62	* 70	1.8	38	26-Sep	* 83	73	72	51	64
Midwest	G 2645 R	2.6	RR		53	1.0	27	17-Sep	52	56	51									
Mycogen	5261	2.6	CN		59	1.3	32	30-Sep	59	62	55	* 73	1.3	37	25-Sep	* 79	* 81	* 76	* 55	* 67
NK Brand	S19-T9	1.9	CN		61	1.3	30	21-Sep	63	55	* 65	65	1.8	36	26-Sep	69	71	67	54	63
NK Brand	S20-F8	2.0	CN		* 66	1.7	33	22-Sep	* 64	63	* 71	68	2.3	39	23-Sep	72	72	70	* 56	* 67
NK Brand	S20-Z5	2.0	RR		58	1.3	30	19-Sep	55	62	56									
NK Brand	S24-K4	2.4	RR		* 64	2.7	33	25-Sep	59	* 68	64									
NK Brand	S25-J5	2.5	CN		62	1.0	30	25-Sep	60	62	63									
O'Brien	O'Soy 108 RR	1.8	RR		--	--	--	--	--	--	56									
O'Brien	O'Soy 204 RR	2.4	RR		--	--	--	--	--	--	55									
Pioneer	92B36	2.3	RR		57	2.0	30	23-Sep	50	58	63									
Pioneer	92B37	2.3	CN		* 65	1.3	35	25-Sep	* 64	* 67	64									
Pioneer	92B62	2.6	RR		50	2.3	32	26-Sep	41	55	55									
Pioneer	92B63	2.6	CN		61	1.7	32	24-Sep	62	61	60									
Pioneer	92B75	2.7	RR		56	1.3	33	28-Sep	52	56	59									
Prairie Brand	PB-2121RR	2.1	RR		59	2.0	35	23-Sep	52	61	* 65									
Prairie Brand	PB-217	2.1	CN		60	2.0	30	23-Sep	60	61	60									
Prairie Brand	PB-2297RR	2.2	RR		59	2.0	34	22-Sep	54	59	64									
Prairie Brand	PB-230	2.3	CN		56	2.7	32	01-Oct	55	57	56									

CONTINUED

TABLE 2. SOUTHERN REGION SOYBEAN TEST

2000 Performance of Public and Commercial Entries at Four Southern Wisconsin Locations.

ARL=ARLINGTON, JAN=JANESVILLE, LAN=LANCASTER, RAC=RACINE

Originator/Branch	Entry	Maturity/Herb. Group Toler. **		2000 3-Test Average				2000 Yields			1999 4-Test Average				1999 Yields				7 -Test
		Yield	Lodging	Height	Maturity	ARL	JAN	LAN	Yield	Lodging	Height	Maturity	ARL	JAN	LAN	RAC	Ave. Yield		
		Bu/A	1-5	In	Date	Bu/A-----			Bu/A	1-5	In	Date	Bu/A-----				Bu/A		
QTI Seeds	NAVA	1.4	CN	52	1.3	29	19-Sep	54	48	54									
QTI Seeds	KUPER	2.6	CN	50	2.0	31	02-Oct	50	46	55									
QTI Seeds	RINA	2.6	CN	56	3.0	33	04-Oct	56	55	56									
Renk	RS 1896	1.8	CN	57	1.3	30	22-Sep	57	56	58									
Renk	RS 208 RR	2.0	RR	53	1.7	35	23-Sep	44	53	62	64	2.3	40	1-Oct	68	70	68	49	59
Renk	RS 2098	2.1	CN	60	1.7	33	19-Sep	61	60	59	68	1.8	37	24-Sep	75	73	71	54	* 65
Renk	RS 240 RR	2.4	RR	55	1.0	33	24-Sep	51	56	59									
Renk	RS 2498	2.4	CN	56	1.3	32	27-Sep	53	52	63	* 73	1.8	38	1-Oct	* 83	75	* 76	* 57	* 66
Renk	RS 2797	2.7	CN	59	1.7	31	28-Sep	59	58	59	* 72	2.0	37	26-Sep	* 79	* 79	71	* 58	* 66
Spansoy	231	2.3	CN	60	1.7	31	26-Sep	* 64	55	62									
Spansoy	241RR	2.4	RR	57	1.3	30	23-Sep	56	57	58									
Spansoy	252	2.5	CN	61	2.0	33	29-Sep	* 67	59	58									
Stine	2016-4	2.1	RR	61	2.0	33	26-Sep	55	63	* 66									
Stine	2416-4	2.4	RR	54	1.0	30	25-Sep	51	51	59									
Stine	2490-1	2.4	CN	62	1.7	30	26-Sep	61	62	63	68	1.8	37	26-Sep	* 78	69	71	52	* 65
Stine	2499-0	2.4	CN	56	1.0	31	28-Sep	54	53	62	68	1.5	37	28-Sep	* 83	69	70	49	63
Stine	2500-4	2.5	RR	56	1.0	30	27-Sep	51	57	60									
Top Farm	E 1021	1.7	CN	59	1.0	29	19-Sep	61	54	62									
Top Farm	6190 RR	1.9	RR	61	2.3	33	22-Sep	59	60	63	61	3.3	41	23-Sep	69	55	69	51	61
Top Farm	E 3753 RR	1.9	RR	58	1.3	33	22-Sep	54	61	58									
Top Farm	E 3193 RR	2.0	RR	58	1.7	31	21-Sep	56	60	59									
Trelay	207	2.0	CN	59	1.7	33	21-Sep	61	58	59	69	2.0	36	20-Sep	* 79	71	71	* 56	* 65
Trelay	230	2.3	CN	56	1.0	31	26-Sep	57	54	57									
Trelay	248	2.4	CN	56	1.7	32	28-Sep	58	54	57	69	1.8	36	29-Sep	* 77	68	* 79	52	64
US Seeds	US S 219	2.1	CN	56	2.0	30	26-Sep	60	53	55	* 72	2.0	37	27-Sep	* 79	75	* 77	* 56	* 65
US Seeds	US S 2409RR	2.4	RR	55	1.0	33	28-Sep	55	54	57	66	1.8	38	27-Sep	72	74	68	51	62
US Seeds	US 250	2.5	CN	* 63	1.3	32	27-Sep	* 65	61	62	68	1.8	36	25-Sep	* 77	75	68	52	* 66
US Seeds	US S 289	2.8	CN	57	2.0	31	29-Sep	58	54	60	68	1.8	36	1-Oct	76	73	72	52	64
Vigoro	V 211RR	2.1	RR	57	1.3	29	21-Sep	56	57	57									
Mean				58	1.6	32	23-Sep	56	57	59	66	1.8	38	24-Sep	72	70	52	68	63
LSD(0.10)**				3				5	4	6	3				6	5	6	6	2

* Yields preceded by a '*' are not significantly different (0.10 level) than the highest yielding cultivar. -- Variety's arrived after some sites were planted

** Herb. Toler. ; Herbicide Tolerance : RR= Tolerance to "Roundup" herbicide , STS = Tolerance to Sulfonylurea herbicides, CN = Conventional herbicide tolerance.

*** Racine data could not be reported for 2000 due to excessive early season rainfall which severely affected the stand.

Results that are shaded provide the best estimate of relative variety performance.

TABLE 3. CENTRAL REGION SOYBEAN TEST

2000 Performance of Public and Commercial Entries at Three Central Wisconsin Locations.

FON = FOND DU LAC, GAL = GALESVILLE, HAN = HANCOCK

Originator/Brand	Entry	Maturity Group	Herb. Toler. **	2000 3-Test Average				2000 Yields			Disease HAN ***	1999 3-Test Average				1999 Yields			6-Test Ave. Yield
				Yield	Lodging Height		Maturity	FON	GAL	HAN ***		Yield	Lodging	Height	Maturity	FON	GAL	HAN	
					Bu/A	1-5													
Public	MN 1301	1.3	CN	58	2.3	40	11-Sep	48	62	* 64	3	55	2.0	42	12-Sep	* 58	46	61	57
Public	MN 1401	1.4	CN	59	3.0	39	11-Sep	54	62	60	10	57	2.3	42	14-Sep	* 60	50	62	58
Public	PARKER	1.5	CN	53	4.0	41	19-Sep	54	49	57	9	55	3.7	42	21-Sep	57	47	61	54
Public	IA 1006	1.6	CN	58	3.3	42	21-Sep	55	54	* 64	9	58	2.7	44	20-Sep	* 58	54	63	58
Public	IA 1008	1.7	CN	56	2.3	39	22-Sep	49	60	59	5	57	1.7	42	23-Sep	55	52	63	56
Public	GRANITE	1.8	CN	54	3.3	39	21-Sep	50	54	57	8	52	2.7	42	23-Sep	53	46	58	53
Public	IA 1009	1.8	CN	53	4.3	34	18-Sep	53	51	54	18	54	3.7	38	23-Sep	53	48	60	53
Public	MN 1801	1.8	CN	51	2.7	38	16-Sep	48	53	51	19	55	2.3	41	22-Sep	56	48	61	53
Public	BSR 101	1.9	CN	54	3.7	40	23-Sep	53	58	51	25	52	2.3	42	23-Sep	50	47	58	53
Public	HARDIN	1.9	CN	53	3.7	38	19-Sep	49	51	58	8	54	3.7	44	20-Sep	49	47	65	53
Public	STURDY	2.0	CN	54	3.7	39	26-Sep	50	56	56	18	55	3.3	42	24-Sep	56	48	62	55
Agripro	AP 1702 RR	1.7	RR	53	3.3	37	18-Sep	50	54	55	25	57	2.7	39	21-Sep	53	52	67	55
Asgrow	AG1602	1.6	RR	57	2.3	34	17-Sep	53	61	56	34								
Asgrow	AG1801	1.8	RR	51	2.7	33	22-Sep	51	52	49	30								
Asgrow	AG2001	2.0	RR	57	2.3	34	22-Sep	53	60	59	6	* 61	1.3	38	21-Sep	* 61	* 56	65	59
Asgrow	AG2102	2.1	RR	59	2.0	36	25-Sep	55	61	60	5								
Asgrow	AG2103	2.1	RR	50	1.3	35	23-Sep	51	57	41	23								
Atlas Brand	5141 RR	1.4	RR	54	2.7	36	19-Sep	52	58	53	14								
Atlas Brand	5204 RR	2.0	RR	46	3.0	36	22-Sep	54	57	28	80								
Brunner	BR 2099 RR	2.0	RR	49	3.0	36	22-Sep	53	59	35	80								
Croplan	L 1969	1.9	CN	50	2.7	36	26-Sep	50	60	40	36								
Croplan	L 1984	1.9	CN	61	2.7	35	22-Sep	52	68	* 63	9	* 60	1.7	37	22-Sep	* 58	54	67	* 60
Croplan	RT 1948	1.9	RR	54	2.0	35	21-Sep	50	61	51	21								
Croplan	L 2195	2.0	CN	60	2.3	34	23-Sep	* 58	67	56	26								
Dahlco	9160 RR	1.6	RR	56	3.3	36	17-Sep	54	57	56	29								
Dahlco	9194 RR	1.9	RR	58	3.7	38	20-Sep	* 58	57	59	20								
Dairyland	DSR-185 RR	1.8	RR	53	2.3	33	21-Sep	53	54	53	4								
Dairyland	DSR-180 STS	1.9	STS	56	3.3	35	20-Sep	54	62	51	31	* 61	2.0	38	24-Sep	54	* 60	68	58

CONTINUED

TABLE 3. CENTRAL REGION SOYBEAN TEST

2000 Performance of Public and Commercial Entries at Three Central Wisconsin Locations.

FON = FOND DU LAC, GAL = GALESVILLE, HAN = HANCOCK

Originator/Brand	Entry	Maturity Group	Herb. Toler. **	2000 3-Test Average				2000 Yields			Disease HAN ***	1999 3-Test Average				1999 Yields			6-Test Ave. Yield
				Yield	Lodging	Height	Maturity	FON	GAL	HAN		Yield	Lodging	Height	Maturity	FON	GAL	HAN	
				Bu/A	1-5	In	Date	----- Bu/A -----			%	Bu/A	1-5	In	Date	----- Bu/A -----			Bu/A
Dairyland	DSR-197 RR	1.9	RR	55	2.0	33	18-Sep	51	59	56	21	56	1.3	36	24-Sep	53	* 58	57	56
Dairyland	DSR-215 RR	2.1	RR	55	2.0	37	20-Sep	51	61	53	18	59	1.3	39	21-Sep	* 59	* 57	62	57
Dairyland	DSR-218	2.1	CN	60	1.7	38	24-Sep	54	67	58	11	* 61	1.3	41	25-Sep	* 58	* 58	68	* 61
Dairyland	DSR-228 RR	2.2	RR	51	2.3	36	30-Sep	* 59	55	39	41								
Dekalb	CX166	1.6	CN	61	2.3	35	15-Sep	* 56	64	62	8	58	1.0	36	26-Sep	54	51	* 69	59
Dekalb	DKB19-51	1.9	RR	55	2.0	35	19-Sep	53	60	53	13								
Dyna-Gro	DG 3149 RR	1.4	RR	55	3.0	37	13-Sep	52	52	61	11								
Dyna-Gro	DG 3158 RR	1.5	RR	56	2.3	35	16-Sep	55	58	54	11								
Dyna-Gro	DG 3188	1.8	CN	* 63	3.0	36	22-Sep	* 56	66	* 67	9	59	1.7	37	25-Sep	56	52	* 69	* 61
Garst	D 189	1.9	CN	55	3.0	33	15-Sep	49	63	53	13	* 63	2.3	41	22-Sep	* 63	55	* 71	59
Garst	D 205	1.9	CN	55	2.3	33	18-Sep	54	59	53	25								
Golden Harvest	H 1184	1.8	CN	* 63	2.7	36	19-Sep	* 58	67	* 64	9	* 61	2.0	37	21-Sep	* 58	* 56	* 70	* 62
Golden Harvest	H 1841 RR	1.8	RR	41	3.7	34	21-Sep	51	42	29	91	56	2.3	38	14-Sep	56	51	60	48
Golden Harvest	X 01929 RR	1.9	RR	56	2.0	35	21-Sep	55	60	53	14								
Golden Harvest	H 2000 RR	2.0	RR	52	1.7	33	22-Sep	52	64	41	53	58	1.3	36	18-Sep	* 59	53	63	55
Growmark	HS 1391	1.3	CN	61	2.3	33	16-Sep	* 59	63	60	9								
Growmark	RT 1505	1.5	RR	55	2.3	34	19-Sep	52	59	55	6								
High Cycle	2152 RR	1.5	RR	56	3.3	35	17-Sep	54	54	60	23	59	3.0	40	24-Sep	55	55	67	58
High Cycle	2181 RR	1.8	RR	55	2.3	35	19-Sep	48	63	53	11								
High Cycle	2192 RR	1.9	RR	51	2.3	36	24-Sep	55	58	41	54	54	2.0	40	24-Sep	53	50	60	53
Jung	8151 RR	1.5	RR	57	2.7	34	17-Sep	53	61	57	26								
Jung	1175	1.7	CN	58	2.7	34	17-Sep	* 57	59	58	10								
Kaltenberg	KB 170	1.7	CN	58	2.3	35	16-Sep	54	64	57	25								
Kaltenberg	KB 182 RR	1.8	RR	53	2.0	35	19-Sep	49	59	52	13								
Kaltenberg	KB 208	2.0	CN	57	3.0	36	19-Sep	* 58	63	50	43	* 62	2.7	41	23-Sep	* 63	53	* 71	* 60
Kaltenberg	KB 210 RR	2.1	RR	54	3.0	38	25-Sep	* 60	56	46	43								
Kaltenberg	KB 220	2.2	CN	56	1.7	38	24-Sep	53	61	54	10								
Latham	EX 137 RR	1.3	RR	58	2.0	35	16-Sep	55	61	59	10								
Latham	140 Brand	1.4	CN	61	2.0	35	16-Sep	* 58	68	58	21	* 60	1.3	36	23-Sep	55	55	* 69	* 61

CONTINUED

TABLE 3. CENTRAL REGION SOYBEAN TEST

2000 Performance of Public and Commercial Entries at Three Central Wisconsin Locations.

FON = FOND DU LAC, GAL = GALESVILLE, HAN = HANCOCK

Originator/Brand	Entry	Maturity Group	Herb. Toler. **	2000 3-Test Average				2000 Yields			Disease	1999 3-Test Average				1999 Yields			6-Test
				Yield	Lodging	Height	Maturity	FON	GAL	HAN	HAN	Yield	Lodging	Height	Maturity	FON	GAL	HAN	Ave. Yield
								Bu/A	Bu/A	Bu/A	%					Bu/A	Bu/A	Bu/A	
Lemke	170 RR	1.7	RR	48	2.7	36	24-Sep	52	47	44	41								
LG Seeds	C 9190RR	1.9	RR	50	2.3	37	18-Sep	47	50	54	5	56	1.7	41	26-Sep	56	52	60	53
LG Seeds	C 9202	2.0	CN	52	3.3	37	26-Sep	49	54	54	6								
Mallard	RR 1511	1.5	RR	56	2.3	33	16-Sep	53	60	55	19								
Mallard	1070	1.9	CN	* 63	2.7	36	21-Sep	* 58	65	* 65	14	* 62	2.0	36	23-Sep	55	* 58	* 72	* 62
Mallard	RR 1912	1.9	RR	56	2.3	35	19-Sep	52	60	55	9								
Midwest	G 1885	1.8	CN	* 64	2.7	35	22-Sep	* 58	* 70	* 63	10	59	2.0	37	22-Sep	54	53	* 69	* 61
Midwest	G 1915	1.9	CN	60	2.3	34	16-Sep	55	64	62	14								
Midwest	G 1945 R	1.9	RR	51	3.7	34	22-Sep	* 56	52	45	30								
Mycogen	5155	1.5	CN	59	2.0	35	15-Sep	53	65	58	13								
NK Brand	S14-G3	1.4	RR	54	1.3	32	13-Sep	49	58	56	1								
NK Brand	X016	1.6	CN	57	1.7	30	12-Sep	53	66	51	25								
NK Brand	S19-T9	1.9	CN	* 62	2.0	34	18-Sep	55	67	* 63	10	58	1.3	38	21-Sep	* 58	52	63	* 60
NK Brand	X019R	1.9	RR	61	1.0	32	21-Sep	* 60	62	60	3								
NK Brand	S20-F8	2.0	CN	61	2.7	38	20-Sep	54	66	62	5	* 63	2.3	40	15-Sep	* 63	53	* 72	* 62
NK Brand	S20-Z5	2.0	RR	58	2.7	33	20-Sep	55	59	59	18								
Pioneer	91B53	1.5	CN	61	2.3	34	16-Sep	55	65	62	7	58	1.3	37	24-Sep	53	* 56	66	* 60
Pioneer	91B64	1.6	RR	57	2.3	36	14-Sep	52	63	56	7	55	1.7	37	20-Sep	51	52	63	56
Prairie Brand	PB-1620RR	1.6	RR	55	3.3	35	18-Sep	51	55	59	15								
Prairie Brand	PB-174	1.7	CN	59	2.0	34	16-Sep	53	65	60	10								
Prairie Brand	PB-180	1.8	CN	50	3.3	36	21-Sep	53	57	40	73								
Prairie Brand	PB-184	1.8	CN	60	2.3	36	24-Sep	54	66	59	10								
Prairie Brand	PB-1901RR	1.9	RR	57	2.3	35	25-Sep	54	59	59	4								
Prairie Brand	PB-194	1.9	CN	* 65	3.0	36	21-Sep	* 56	* 71	* 67	8								
Prairie Brand	PB-202	2.0	CN	54	3.7	38	21-Sep	* 58	55	48	51								
Prairie Brand	PB-2101RR	2.1	RR	56	2.3	35	27-Sep	* 56	62	49	24								
Prairie Brand	PB-2121RR	2.1	RR	52	3.7	34	22-Sep	* 57	54	44	43								
QTI Seeds	NAVA	1.4	CN	52	2.0	33	15-Sep	46	60	49	18								

CONTINUED

TABLE 3. CENTRAL REGION SOYBEAN TEST

2000 Performance of Public and Commercial Entries at Three Central Wisconsin Locations.

FON = FOND DU LAC, GAL = GALESVILLE, HAN = HANCOCK

Originator/Brand	Entry	Maturity Group	Herb. Toler. **	2000 3-Test Average				2000 Yields			Disease	1999 3-Test Average				1999 Yields			6-Test
				Yield	Lodging	Height	Maturity	FON	GAL	HAN	HAN	Yield	Lodging	Height	Maturity	FON	GAL	HAN	Ave. Yield
								Bu/A	Bu/A	Bu/A	%					Bu/A	Bu/A	Bu/A	
Ramy	R 900 RR	0.9	RR	52	2.7	38	17-Sep	51	57	48	29								
Ramy	R 1490 RR	1.5	RR	56	2.3	33	16-Sep	52	62	53	24								
Ramy	R 1685 RR	1.6	RR	55	3.3	35	14-Sep	53	55	57	20	58	3.0	41	22-Sep	52	53	* 70	57
Ramy	R 1725 CH	1.7	CN	60	2.7	38	21-Sep	54	66	59	18								
Ramy	R 1605 CN	1.8	CN	56	3.3	33	17-Sep	54	56	57	11								
Renk	RS 1498	1.4	CN	59	2.0	33	15-Sep	* 57	61	60	5	59	1.7	35	22-Sep	54	* 58	66	59
Renk	RS 159 RR	1.5	RR	54	3.7	35	16-Sep	* 56	51	54	23	58	2.7	40	12-Sep	53	54	66	56
Renk	RS 1896	1.8	CN	56	2.0	35	19-Sep	53	64	52	24	59	1.7	36	19-Sep	56	55	66	58
Renk	RS 199 RR	1.9	RR	59	3.0	35	20-Sep	* 59	64	54	9	57	1.7	38	23-Sep	56	55	59	58
Renk	RS 208 RR	2.0	RR	42	3.7	36	26-Sep	50	44	32	70								
Renk	RS 2098	2.1	CN	* 63	3.0	36	22-Sep	53	* 70	* 65	5								
Spansoy	099 RR	0.9	RR	50	1.3	32	11-Sep	43	55	52	10								
Spansoy	141	1.4	CN	58	2.3	31	19-Sep	53	61	59	6								
Spansoy	162	1.6	STS	51	3.3	34	17-Sep	47	55	51	29								
Stine	1506-4	1.2	RR	57	2.0	34	17-Sep	53	60	58	13								
Stine	1700-6	1.6	CN	* 62	2.0	33	17-Sep	* 56	* 74	56	25								
Stine	1700-4	1.7	RR	58	1.3	32	16-Sep	53	64	56	2								
Stine	2500-7	2.0	CN	* 63	3.0	36	22-Sep	55	65	* 68	10	59	1.7	37	22-Sep	53	53	* 70	* 61
Stine	2016-4	2.1	RR	54	3.0	35	22-Sep	* 58	58	45	31								
Trelay	170	1.7	CN	59	2.0	34	16-Sep	54	64	59	5								
Trelay	207	2.0	CN	60	3.0	36	23-Sep	55	60	* 65	9	* 61	2.3	37	24-Sep	* 58	* 56	* 70	* 61
US Seeds	US E 1501 RR	1.5	RR	57	2.0	34	16-Sep	52	61	58	13								
US Seeds	US E 1901RR	1.9	RR	53	2.3	36	22-Sep	51	58	51	16								
US Seeds	US S 199	1.9	CN	* 63	2.7	36	22-Sep	* 58	65	* 65	10	* 61	1.7	37	20-Sep	* 60	51	* 72	* 62
MEAN				56	2.6	35	19-Sep	53	60	55	20	57	2.1	39	20-Sep	55	53	64	57
LSD(0.10)**				3				4	5	5	13	3				5	4	5	2

* Yields preceded by a '*' are not significantly different (0.10 level) than the highest yielding cultivar.

** Herb. Toler. ; Herbicide Tolerance : RR= Tolerance to "Roundup" herbicide , STS = Tolerance to Sulfonylurea herbicides, CN = Conventional herbicide tolerance.

***Hancock site was affected by Sclerotinia disease(White Mold) in 2000. The disease severity are % of plants expressing White Mold Disease and helps explain the lower yields for select varieties.

Results that are shaded provide the best estimate of relative variety performance.

TABLE 4. NORTH-CENTRAL REGION SOYBEAN TEST

2000 Performance of Public and Commercial Entries at Four North Central Wisconsin Locations.

CHP=CHIPPEWA FALLS, MAR=MARSHFIELD, SEY=SEYMOUR, VAL=VALDERS

Originator/Brand	Entry	Maturity Group	Herb. Toler. **	2000 4-Test Average				2000 Yields				1999 4-Test Average				1999 Yields				8-Test
				Yield	Lodging	Height	Maturity	CHP	MAR	SEY	VAL	Yield	Lodging	Height	Maturity	CHP	MAR	SEY	VAL	Ave. Yield
				Bu/A	1-5	In	Date	-----Bu/A-----				Bu/A	1-5	In	Date	-----Bu/A-----				Bu/A
Public	MN 0301	0.3	CN	47	2.0	30	08-Sep	40	43	52	52	53	3.3	37	09-Sep	47	51	56	57	50
Public	LAMBERT	0.8	CN	49	1.8	31	09-Sep	41	48	55	51	48	2.3	33	14-Sep	46	63	65	16	48
Public	MN 0901	0.9	CN	52	1.5	35	11-Sep	47	50	* 57	54	53	2.5	38	14-Sep	41	* 69	65	36	52
Public	SURGE	0.9	CN	51	1.5	32	11-Sep	46	49	54	55									
Public	MN 1301	1.3	CN	48	1.8	38	15-Sep	39	51	54	49	55	2.3	42	14-Sep	39	63	67	50	52
Public	MN 1401	1.4	CN	50	1.8	37	16-Sep	43	52	53	51	56	2.3	41	20-Sep	46	59	59	60	53
Public	PARKER	1.5	CN	48	2.8	39	21-Sep	41	50	49	53	57	3.5	44	18-Sep	48	62	61	57	53
Public	IA 1006	1.6	CN	* 53	2.5	38	23-Sep	* 49	* 53	53	* 57	61	3.0	43	23-Sep	51	61	* 71	59	* 57
Public	IA 1008	1.7	CN	48	1.5	34	23-Sep	43	46	53	51	58	2.0	41	27-Sep	49	54	69	60	53
Public	GRANITE	1.8	CN	51	2.3	36	25-Sep	45	49	51	* 58	55	2.8	41	25-Sep	43	57	65	53	53
Public	IA 1009	1.8	CN	52	3.0	33	24-Sep	43	* 53	55	* 57	58	3.8	39	24-Sep	43	64	67	56	55
Public	MN 1801	1.8	CN	49	2.0	35	21-Sep	44	47	49	56	55	2.8	42	20-Sep	49	58	61	51	52
Public	HARDIN	1.9	CN	* 55	2.3	36	22-Sep	* 49	* 54	52	* 63	58	3.5	42	10-Sep	44	66	65	56	56
Agripro	AP 1080 RR	1.0	RR	47	1.0	27	12-Sep	43	41	51	53									
Agripro	AP 1394	1.3	CN	47	1.5	32	11-Sep	42	44	49	54									
Agripro	AP 1702 RR	1.7	RR	* 54	2.3	34	23-Sep	45	* 53	* 58	* 58	* 63	3.0	43	20-Sep	* 52	* 69	* 72	57	* 58
Asgrow	AG0801	0.8	RR	49	1.5	32	12-Sep	41	44	54	56									
Asgrow	AG1602	1.6	RR	* 54	1.8	31	23-Sep	* 49	48	* 57	* 61									
Asgrow	AG1801	1.8	RR	45	1.8	29	28-Sep	42	45	46	48									
Brunner	BR 0799 RR	0.7	RR	48	1.3	32	11-Sep	44	43	51	53									
Brunner	BR 1500 RR	1.5	RR	52	1.8	31	23-Sep	47	49	54	56									
Croplan	L 1505	1.5	CN	51	2.0	32	25-Sep	48	49	51	* 57	* 64	1.8	36	11-Sep	* 55	67	* 71	* 63	* 58
Dahlco	9082	0.8	CN	49	1.5	32	12-Sep	44	45	53	55									
Dahlco	9101 RR	1.0	RR	48	1.3	28	15-Sep	47	43	48	53									
Dahlco	9122	1.2	CN	51	1.3	31	20-Sep	45	50	52	55									
Dahlco	9145 RR	1.4	RR	49	1.5	31	15-Sep	48	44	51	52									
Dahlco	9152	1.5	CN	52	1.5	33	24-Sep	43	50	* 56	* 57									

CONTINUED

TABLE 4. NORTH-CENTRAL REGION SOYBEAN TEST

2000 Performance of Public and Commercial Entries at Four North Central Wisconsin Locations.

CHP=CHIPPEWA FALLS, MAR=MARSHFIELD, SEY=SEYMOUR, VAL=VALDERS

Originator/Brand	Entry	Maturity Group	Herb. Toler. **	2000 4-Test Average				2000 Yields				1999 4-Test Average				1999 Yields				8-Test
				Yield	Lodging	Height	Maturity	CHP	MAR	SEY	VAL	Yield	Lodging	Height	Maturity	CHP	MAR	SEY	VAL	Ave. Yield
				Bu/A	1-5	In	Date	-----Bu/A-----				Bu/A	1-5	In	Date	-----Bu/A-----				Bu/A
Dairyland	DSR-130 RR	1.3	RR	52	2.3	33	20-Sep	46	* 53	54	54									
Dairyland	DSR-173	1.6	CN	50	1.8	36	20-Sep	48	50	49	53	61	2.0	38	25-Sep	45	67	* 71	* 62	56
Dairyland	DST-1224	1.6	CN	51	1.5	31	17-Sep	47	48	52	* 57									
Dekalb	DKB10-51	1.0	RR	48	1.3	27	13-Sep	44	42	54	50									
Dekalb	DKB13-81	1.3	CN	50	1.8	29	15-Sep	43	43	54	* 58									
Dekalb	CX166	1.6	CN	52	1.8	33	24-Sep	43	49	* 56	* 60									
Dyna-Gro	DG 3149 RR	1.4	RR	49	1.5	33	18-Sep	46	46	52	50									
Dyna-Gro	DG 3158 RR	1.5	RR	52	1.8	33	25-Sep	48	48	* 57	56									
Dyna-Gro	DG 3188	1.8	CN	52	2.3	33	25-Sep	42	52	* 58	* 57	61	2.3	37	13-Sep	44	* 71	* 76	53	* 57
Garst	D 155	1.5	CN	* 53	1.5	33	22-Sep	47	* 57	54	55	* 63	2.5	39	19-Sep	51	66	70	* 63	* 58
Golden Harvest	H 1094	0.9	CN	52	1.8	29	19-Sep	46	* 53	54	53	59	2.8	35	20-Sep	48	58	68	61	55
Golden Harvest	X 90981 RR	0.9	RR	44	1.3	27	19-Sep	45	38	46	47									
Golden Harvest	H 1225 RR	1.2	RR	46	1.3	30	19-Sep	41	41	49	51	60	1.5	36	12-Sep	* 52	67	70	50	53
Golden Harvest	H 1480	1.4	CN	52	1.5	31	24-Sep	45	49	54	* 58	* 64	2.0	37	13-Sep	* 57	* 70	* 74	56	* 58
Golden Harvest	X 01535 RR	1.5	RR	50	1.5	31	25-Sep	43	47	* 56	55									
Golden Harvest	X 01584	1.5	CN	50	1.3	30	23-Sep	46	44	50	* 58									
Golden Harvest	H 1190	1.9	CN	* 54	1.3	32	26-Sep	47	50	55	* 62	* 62	2.0	36	22-Sep	47	68	70	61	* 58
Golden Harvest	H 2000 RR	2.0	RR	* 53	1.8	31	29-Sep	43	51	* 57	* 61	* 63	1.5	37	15-Sep	* 52	* 69	* 72	59	* 58
Growmark	RT 0985	0.9	RR	44	1.5	26	12-Sep	42	40	46	48	* 62	2.3	35	15-Sep	49	67	* 71	60	53
Growmark	HS 1391	1.3	CN	* 53	1.8	32	23-Sep	48	48	53	* 61									
Growmark	RT 1505	1.5	RR	52	1.5	32	22-Sep	* 51	48	55	52									
High Cycle	2101 RR	1.0	RR	46	1.3	28	17-Sep	42	39	50	52	* 65	1.8	35	15-Sep	* 53	* 72	* 71	* 62	55
High Cycle	2141 RR	1.4	RR	52	1.5	29	23-Sep	44	51	53	* 58									
Jung	8097A RR	0.9	RR	45	1.3	27	11-Sep	40	39	53	49									
Jung	1142	1.4	CN	* 54	1.8	33	21-Sep	* 51	51	* 57	* 58	* 63	1.8	36	13-Sep	51	* 71	* 76	55	* 59

CONTINUED

TABLE 4. NORTH-CENTRAL REGION SOYBEAN TEST

2000 Performance of Public and Commercial Entries at Four North Central Wisconsin Locations.

CHP=CHIPPEWA FALLS, MAR=MARSHFIELD, SEY=SEYMOUR, VAL=VALDERS

Originator/Brand	Entry	Maturity Group	Herb. Toler. **	2000 4-Test Average				2000 Yields				1999 4-Test Average				1999 Yields				8-Test Ave. Yield
				Yield Bu/A	Lodging 1-5	Height In	Maturity Date	CHP	MAR	SEY	VAL	Yield Bu/A	Lodging 1-5	Height In	Maturity Date	CHP	MAR	SEY	VAL ***	
Kaltenberg	KB 090	0.9	CN	49	1.5	30	15-Sep	45	43	52	* 57	60	1.8	34	17-Sep	47	* 74	* 73	47	55
Kaltenberg	KB 091 RR	0.9	RR	45	1.3	26	13-Sep	43	36	49	52									
Kaltenberg	KB 100 RR	1.0	RR	49	1.3	27	13-Sep	* 49	41	51	54									
Kaltenberg	KB 111	1.1	CN	52	1.5	31	15-Sep	47	49	* 56	55									
Kaltenberg	KB 148	1.4	CN	* 53	2.0	32	25-Sep	47	47	54	* 62	61	1.8	35	24-Sep	* 54	* 70	66	54	* 57
Kaltenberg	KB 150 RR	1.5	RR	52	1.5	32	25-Sep	47	50	55	* 57									
Kaltenberg	KB 170	1.7	CN	52	1.8	34	25-Sep	* 49	47	54	* 59									
Lemke	089 RR	0.9	RR	48	1.0	26	10-Sep	45	42	53	51									
LG Seeds	C 9148	1.4	CN	* 53	1.8	32	24-Sep	* 49	46	54	* 62	61	1.8	36	27-Sep	* 53	* 70	68	53	* 57
LG Seeds	C 1432 RR	1.4	RR	* 53	1.5	30	23-Sep	45	52	54	* 59									
Mallard	0910	1.0	CN	52	1.3	32	17-Sep	47	49	54	* 58	58	2.3	37	14-Sep	43	66	69	52	55
Midwest	G 0945 R	0.9	RR	46	1.3	27	22-Sep	45	39	50	51									
Midwest	G 1410	1.4	CN	* 55	1.8	32	23-Sep	* 53	48	55	* 62	* 62	2.0	37	21-Sep	* 53	* 69	70	54	* 58
Midwest	G 1445 R	1.4	RR	49	1.5	30	25-Sep	* 50	40	52	53									
NK Brand	X008R	0.8	RR	49	1.5	30	10-Sep	* 50	43	50	53									
NK Brand	S14-G3	1.4	RR	51	1.5	30	25-Sep	47	44	54	* 57									
NK Brand	S14-U4	1.4	CN	51	1.0	32	21-Sep	47	51	53	53	60	2.3	38	21-Sep	43	64	68	* 64	55
NK Brand	X016	1.6	CN	* 53	1.3	29	21-Sep	45	51	* 56	* 61									
Pioneer	91B53	1.5	CN	52	1.5	32	21-Sep	48	48	55	56	* 63	2.0	37	18-Sep	51	* 69	* 74	57	* 57
Pioneer	91B64	1.6	RR	52	1.5	34	24-Sep	48	48	53	* 58	57	2.0	39	30-Sep	46	61	65	57	55
Prairie Brand	PB-0810RR	0.8	RR	51	1.0	27	15-Sep	* 51	43	55	53									
Prairie Brand	PB-0920RR	0.9	RR	46	1.3	27	11-Sep	45	41	53	46									
Prairie Brand	PB-1202RR	1.2	RR	* 54	1.5	31	19-Sep	48	* 53	* 58	* 58									
Prairie Brand	PB-1221	1.2	CN	51	1.5	31	14-Sep	46	49	55	54									
Prairie Brand	PB-1246RR	1.3	RR	51	1.5	31	22-Sep	46	48	* 56	52									
Prairie Brand	PB-1402RR	1.4	RR	* 53	1.5	30	23-Sep	44	51	* 56	* 59									
Prairie Brand	PB-1421	1.4	CN	51	1.8	32	21-Sep	45	48	54	* 58									
Prairie Brand	PB-146	1.4	CN	* 53	1.8	32	23-Sep	48	50	53	* 62									
Prairie Brand	PB-1540RR	1.5	RR	* 53	1.8	32	25-Sep	* 50	48	54	* 59									

CONTINUED

TABLE 4. NORTH-CENTRAL REGION SOYBEAN TEST

2000 Performance of Public and Commercial Entries at Four North Central Wisconsin Locations.

CHP=CHIPPEWA FALLS, MAR=MARSHFIELD, SEY=SEYMOUR, VAL=VALDERS

Originator/Brand	Entry	Maturity Group	Herb. Toler. **	2000 4-Test Average				2000 Yields				1999 4-Test Average				1999 Yields				8-Test
				Yield	Lodging	Height	Maturity	CHP	MAR	SEY	VAL	Yield	Lodging	Height	Maturity	CHP	MAR	SEY	VAL	Ave. Yield
				Bu/A	1-5	In	Date	-----Bu/A-----				Bu/A	1-5	In	Date	-----Bu/A-----				Bu/A
Ramy	R 580 RR	0.5	RR	47	1.8	29	09-Sep	40	39	51	* 57									
Ramy	R 900 RR	0.9	RR	52	2.3	35	25-Sep	48	50	55	56									
Ramy	R 1100	1.1	CN	* 56	1.8	34	17-Sep	* 49	* 56	* 57	* 61	59	2.3	38	24-Sep	49	62	65	60	* 57
Ramy	R 1270	1.2	CN	52	1.3	30	14-Sep	44	51	* 58	55									
Renk	RS 099 RR	0.9	RR	47	1.8	32	16-Sep	40	42	53	54	59	2.5	41	22-Sep	47	64	68	57	53
Renk	RS 0995	0.9	CN	50	1.3	33	13-Sep	45	44	* 56	55	58	2.3	36	28-Sep	48	63	64	58	54
Renk	RS 1498	1.4	CN	52	1.8	33	25-Sep	* 49	47	55	* 57	* 62	2.0	38	17-Sep	* 55	67	69	58	* 57
Renk	RS 159 RR	1.5	RR	* 53	2.3	34	26-Sep	43	* 55	* 61	54	58	3.0	40	23-Sep	50	64	67	49	55
Spansoy	092	0.9	CN	52	2.3	33	21-Sep	* 51	49	54	55									
Spansoy	099 RR	0.9	RR	42	1.0	26	15-Sep	38	35	50	44	* 64	2.0	37	16-Sep	* 53	* 70	70	* 63	53
Stine	0990-4	0.9	RR	49	1.3	30	18-Sep	43	41	* 56	54									
Stine	1207-4	1.2	RR	45	1.3	29	24-Sep	39	39	55	47	* 63	1.8	38	18-Sep	* 54	* 69	* 74	56	54
Stine	1506-4	1.2	RR	48	1.5	32	26-Sep	44	44	51	53									
Stine	1386-6	1.3	CN	52	1.8	31	24-Sep	48	46	52	* 63	* 62	2.0	35	15-Sep	* 53	67	67	59	* 57
Stine	1700-6	1.6	CN	* 55	1.5	30	24-Sep	47	* 57	* 60	55									
Top Farm	6090 RR	1.0	RR	47	1.8	35	15-Sep	39	47	53	47	54	1.8	40	18-Sep	46	60	55	53	50
Top Farm	6150 RR	1.5	RR	* 55	2.3	35	23-Sep	46	* 56	* 58	* 58	60	3.0	43	23-Sep	* 53	* 69	63	55	* 57
Trelay	090	0.9	CN	52	2.0	34	20-Sep	* 49	48	51	* 60									
Trelay	095	0.9	CN	* 53	1.8	34	15-Sep	* 49	48	* 57	56	58	2.5	38	21-Sep	50	59	65	58	55
Trelay	128	1.2	CN	50	1.5	32	22-Sep	* 49	46	50	54	59	2.0	36	20-Sep	43	* 69	64	58	54
US Seeds	US S 0909 RR	0.9	RR	41	1.5	26	24-Sep	42	29	49	44	* 65	2.0	36	16-Sep	* 55	* 69	* 73	* 62	53
US Seeds	US S 120	1.2	CN	51	1.5	31	21-Sep	46	46	* 56	54									
US Seeds	US S 159	1.5	CN	51	2.0	33	26-Sep	* 51	46	51	56	61	2.3	37	17-Sep	* 53	* 71	* 71	50	56
MEAN				50	1.6	31	19-Sep	46	47	53	55	58	2.3	38	17-Sep	48	63	65	54	55
LSD(0.10)**				3				5	4	6	6	3				5	5	5	8	2

* Yields preceded by a "*" are not significantly different (0.10 level) than the highest yielding cultivar.

** Herb. Toler. ; Herbicide Tolerance : RR= Tolerance to "Roundup" herbicide , STS = Tolerance to Sulfonyleurea herbicides, CN = Conventional herbicide tolerance.

*** Yields of some varieties were severely reduced by Phytophthora root rot at the Valdars site in 1999.

Results that are shaded provide the best estimate of relative variety performance.

TABLE 5. NORTHERN REGION SOYBEAN TEST

**2000 Performance of Public and Commercial Entries at Three Northern Wisconsin Locations.
ASH=ASHLAND, SPO=SPOONER, STR=STURGEON BAY**

Originator/Brand	Entry	Maturity Group	Herb. Toler. **	2000 3-Test Average				2000 Yields			1999 2-Test Average				1999		5-Test
				Yield	Lodging	Height	Maturity	ASH	SPO	STR	Yield	Lodging	Height	Maturity	SPO	STR	Ave. Yield
				Bu/A	1-5	In	Date	-----Bu/A-----			Bu/A	1-5	In	Date	-----Bu/A-----		Bu/A
Public	DAKSOY	00.6	CN	33	1.0	24	16-Sep	* 44	16	38	35	1.7	27.7	29-Aug	28	42	34
Public	JIM	00.7	CN	33	1.0	26	19-Sep	* 41	17	40	39	2.2	27.6	31-Aug	30	47	35
Public	TRAILL	0.0	CN	33	1.0	23	20-Sep	* 40	20	38							
Public	MN 0301	0.3	CN	33	1.3	28	24-Sep	35	21	44	* 45	2.0	33.8	7-Sep	42	* 48	* 38
Public	LAMBERT	0.8	CN	33	1.0	28	28-Sep	34	21	43	* 49	2.0	32.0	12-Sep	* 45	* 52	* 39
Public	MN 0901	0.9	CN	* 35	1.0	29	27-Sep	35	21	* 49	* 49	1.7	35.9	13-Sep	* 49	* 49	* 41
Public	SURGE	0.9	CN	28	1.0	27	01-Oct	30	21	34							
Asgrow	AG0801	0.8	RR	30	1.0	29	01-Oct	34	19	38							
Croplan	RT 0933	0.9	RR	32	1.0	26	01-Oct	30	* 28	38							
Dairyland	DSR-065	0.7	CN	31	1.3	26	27-Sep	32	19	42	34	1.5	26.4	14-Sep	35	32	32
Dairyland	DSR-090	0.9	CN	28	1.3	28	04-Oct	29	16	40							
Dekalb	DKB02-73	0.2	CN	* 35	1.0	29	24-Sep	* 36	19	* 50							
Dekalb	DKB03-51	0.3	RR	32	1.0	29	22-Sep	* 36	20	40							
Dekalb	DKB06-51	0.6	RR	30	1.0	23	23-Sep	33	21	36							
Dekalb	DKB10-51	1.0	RR	* 35	1.3	25	30-Sep	35	24	47							
Dyna-Gro	DG 3144	1.4	CN	* 37	1.3	31	05-Oct	31	* 30	* 49							
Dyna-Gro	DG 3149 RR	1.4	RR	33	1.3	30	01-Oct	31	24	44							
Dyna-Gro	DG 3158 RR	1.5	RR	33	1.3	28	02-Oct	25	22	* 51							
Dyna-Gro	DG 3188	1.8	CN	* 37	1.3	31	03-Oct	28	* 28	* 56							
Garst	D 085	0.8	CN	31	1.3	29	02-Oct	29	24	41	* 48	1.8	31.4	14-Sep	* 45	* 50	* 38
Garst	PS 9909 RR	0.9	RR	34	1.0	26	30-Sep	27	24	* 50							
Kaltenberg	KB 090	0.9	CN	30	1.0	26	03-Oct	32	21	38							
NK Brand	X003R	0.3	RR	33	1.0	27	22-Sep	* 36	22	41							
NK Brand	X008R	0.8	RR	* 38	1.0	26	29-Sep	* 40	* 25	* 50							
NK Brand	S14-G3	1.4	RR	34	1.0	28	03-Oct	33	* 27	43							
NK Brand	S14-U4	1.4	CN	31	1.0	31	04-Oct	30	23	40							
Pioneer	90B43	0.4	CN	34	1.0	25	21-Sep	* 36	23	44							
Pioneer	90B73	0.7	RR	33	1.0	29	26-Sep	34	21	44							
Prairie Brand	PB-0303RR	0.3	RR	* 35	1.0	24	24-Sep	* 41	19	44							
Prairie Brand	PB-0810RR	0.8	RR	* 35	1.3	25	30-Sep	32	* 25	47							
Prairie Brand	PB-098	0.9	CN	* 36	1.0	27	02-Oct	32	* 25	* 50							
Stine	1090-6	1.0	CN	34	1.0	28	01-Oct	34	* 27	40							
MEAN				33	1.1	27	27-Sep	34	22	43	41	1.6	31	10-Sep	38	43	37
LSD(0.10)**				3				5	5	7	4				6	4	3

* Yields preceded by a '*' are not significantly different (0.10 level) than the highest yielding cultivar.

** Herb. Toler. ; Herbicide Tolerance : RR= Tolerance to "Roundup" herbicide , CN = Conventional herbicide tolerance

Results that are shaded provide the best estimate of relative variety performance.

TABLE 6. EARLY MATURITY (MG 0.0-0.9) SOYBEAN DISEASE TEST

2000 Performance of Public and Commercial Entries In BSR and White Mold Disease Field Environments and in the Greenhouse.

ARL=ARLINGTON , HAN = HANCOCK

Originator/Brand	Entry	Maturity Group	Herb. Toler. **	Brown Stem Rot (BSR) /1			White Mold /2						3-Test Average	
				ARL Field		Greenhouse	HAN-2000		ARL-1999		HAN-1999		Yield	Disease Severity
				Foliar Score	Stem Score	Plant Score	Yield Bu/A	Disease % Severity	Yield Bu/A	Disease % Severity	Yield Bu/A	Disease % Severity	Bu/A	%
				----- (0-11)-----			Bu/A	%	Bu/A	%	Bu/A	%	Bu/A	%
Public	DAKSOY	00.6	CN	0	2	11	47	2	54	0	37	0	46	1
Public	JIM	00.7	CN	0	4	11	47	0	46	0	44	0	46	0
Public	TRAILL	0.0	CN	0	5	11	50	3						
Public	MN 0301	0.3	CN	0	6	11	54	5	58	13	51	4	54	7
Public	LAMBERT	0.8	CN	0	8	11	* 56	13	61	12	56	7	58	11
Public	MN 0901	0.9	CN	0	8	8	* 62	10	68	8	* 58	9	* 63	9
Public	SURGE	0.9	CN	0	8	10	53	20						
Asgrow	AG0801	0.8	RR	0	8	11	* 59	27						
Brunner	BR 0799 RR	0.7	RR	0	3	3	50	18						
Croplan	RT 0933	0.9	RR	0	7	7	42	23						
Dahlc0	9082	0.8	CN	0	2	9	51	13						
Dairyland	DSR-065	0.7	CN	0	4	5	50	22	59	17	42	4	50	14
Dairyland	DSR-090	0.9	CN	0	3	11	* 59	13						
Dekalb	DKB02-73	0.2	CN	0	8	11	52	17						
Dekalb	DKB03-51	0.3	RR	0	7	7	52	13						
Dekalb	DKB06-51	0.6	RR	0	2	4	54	8						
Garst	D 085	0.8	CN	0	2	10	49	13	58	27	54	25	54	22
Garst	PS 9909 RR	0.9	RR	0	3	9	46	22						
Golden Harvest	H 1094	0.9	CN	1	4	10	55	13	63	10	* 58	7	59	10
Golden Harvest	X 90981 RR	0.9	RR	0	2	11	47	20						
Growmark	RT 0985	0.9	RR	0	3	6	49	12	64	8	56	18	56	13
Jung	8097A RR	0.9	RR	0	3	7	48	10						
Kaltenberg	KB 090	0.9	CN	0	4	4	46	22	* 73	12	* 57	15	59	16
Kaltenberg	KB 091 RR	0.9	RR	0	2	7	45	27						
Lemke	089 RR	0.9	RR	0	2	7	49	15						

CONTINUED

TABLE 6. EARLY MATURITY (MG 0.0-0.9) SOYBEAN DISEASE TEST

2000 Performance of Public and Commercial Entries In BSR and White Mold Disease Field Environments and in the Greenhouse.
 ARL=ARLINGTON , HAN = HANCOCK

Originator/Brand	Entry	Matur- ity Group	Herb. Toler. **	Brown Stem Rot (BSR) /1			White Mold /2							
				ARL Field		Greenhouse	HAN-2000		ARL-1999		HAN-1999		3-Test Average	
				Foliar Score	Stem Score	Plant Score	Yield Bu/A	Disease Severity %	Yield Bu/A	Disease Severity %	Yield Bu/A	Disease Severity %	Yield Bu/A	Disease Severity %
				----- (0-11)-----			Bu/A	%	Bu/A	%	Bu/A	%		
Midwest	G 0945 R	0.9	RR	0	3	6	43	20						
NK Brand	X003R	0.3	RR	0	5	6	51	10						
NK Brand	X008R	0.8	RR	0	6	7	54	18						
Pioneer	90B43	0.4	CN	0	5	11	53	5						
Pioneer	90B73	0.7	RR	0	4	3	53	10						
Prairie Brand	PB-0303RR	0.3	RR	0	5	6	53	8						
Prairie Brand	PB-0810RR	0.8	RR	0	4	3	* 57	12						
Prairie Brand	PB-0920RR	0.9	RR	0	4	8	47	17						
Prairie Brand	PB-098	0.9	CN	0	2	3	50	18						
Ramy	R 580 RR	0.5	RR	0	5	4	55	15						
Ramy	R 900 RR	0.9	RR	0	1	9	47	23						
Renk	RS 099 RR	0.9	RR	0	4	6	53	22	59	22	49	15	54	20
Renk	RS 0995	0.9	CN	0	3	4	51	20	62	7	54	10	56	12
Spansoy	092	0.9	CN	0	3	8	55	13						
Spansoy	099 RR	0.9	RR	0	1	7	46	17	66	14	* 57	20	56	17
Stine	0990-4	0.9	RR	0	2	8	52	17	56	7	52	2	53	9
Trelay	090	0.9	CN	0	3	6	52	17						
Trelay	095	0.9	CN	0	3	6	49	22	64	8	53	17	55	16
US Seeds	US S 0909 RR	0.9	RR	0	2	5	43	27	66	7	49	15	53	16
MEAN				0	4	6	51	15	63	14	52	14	55	12
LSD(0.10)**				ns	1	3	6	11	6	12	5	13	3	7

* Yields preceded by a "*" are not significantly different (0.10 level) than the highest yielding cultivar.

** Herb. Toler. ; Herbicide Tolerance : RR = Tolerance to "Roundup" herbicide , STS = Tolerance to Sulfonylurea herbicides, CN = Conventional herbicide tolerance

1/ 0 = no plants with BSR symptoms, 5= 25-50% BSR symptom severity, 11 = 100% with BSR symptom severity; see text for explanatic

2/ Disease severity is % of plants expressing white mold disease

Results that are shaded provide the best estimate of relative variety performance.

TABLE 7. MID MATURITY (MG 1.0-1.9) SOYBEAN DISEASE TEST

2000 Performance of Public and Commercial Entries In BSR and White Mold Disease Field Environments and in the Greenhouse.

ARL = ARLINGTON, HAN = HANCOCK

Originator/Brand	Entry	Matur-ity Group	Herb. Toler.**	Brown Stem Rot (BSR) /1			White Mold /2						3-Test Average	
				ARL Field		Greenhouse	ARL-2000		ARL-1999		HAN-1999		Yield	Disease Severity
				Foliar Score	Stem Score	Plant Score	Yield	Disease Severity	Yield	Disease Severity	Yield	Disease Severity		
				----- (0-11) -----			Bu/A	%	Bu/A	%	Bu/A	%	Bu/A	%
Public	MN 1301	1.3	CN	2	6	9	52	13	70	5	* 59	6	60	8
Public	HODGSON 78	1.4	CN	2	7	7	53	12						
Public	MN 1401	1.4	CN	2	4	6	* 60	10	61	15	* 58	7	60	11
Public	PARKER	1.5	CN	2	6	6	* 58	7	64	15	54	12	59	11
Public	IA 1006	1.6	CN	1	2	4	* 59	4	68	7	* 59	4	62	5
Public	IA 1008	1.7	CN	1	2	8	54	7	67	5	53	0	58	4
Public	GRANITE	1.8	CN	1	2	7	54	4	58	17	49	3	54	8
Public	IA 1009	1.8	CN	4	6	11	51	15	57	11	52	7	53	11
Public	MN 1801	1.8	CN	2	6	5	56	10	60	22	49	27	55	20
Public	BSR 101	1.9	CN	1	2	4	55	8	58	20	42	17	52	15
Public	HARDIN	1.9	CN	2	5	8	54	17	59	5	51	30	55	17
Public	STURDY	2.0	CN	2	3	11	56	13	53	45	55	33	55	30
Public	TITAN	2.1	CN	2	3	5	50	7	71	3	* 62	2	61	4
Agripro	AP 1080 RR	1.0	RR	1	3	7	50	22						
Agripro	AP 1394	1.3	CN	1	5	11	* 57	12	57	10	50	2	55	8
Agripro	AP 1702 RR	1.7	RR	2	3	5	56	17	63	10	50	15	56	14
Asgrow	AG1602	1.6	RR	1	1	5	54	15						
Asgrow	AG1801	1.8	RR	1	3	5	53	5						
Atlas Brand	5141 RR	1.4	RR	1	6	7	* 60	17						
Brunner	BR 1500 RR	1.5	RR	1	3	4	* 57	8						
Croplan	L 1505	1.5	CN	1	2	4	* 60	5	70	5	55	2	62	4
Croplan	L 1969	1.9	CN	1	1	4	51	5						
Croplan	L 1984	1.9	CN	1	4	9	* 62	12	69	1	53	5	61	6
Croplan	RT 1948	1.9	RR	1	1	5	53	20						
Dahlco	9101 RR	1.0	RR	1	2	6	55	20						
Dahlco	9122	1.2	CN	1	6	5	45	35						
Dahlco	9145 RR	1.4	RR	1	1	5	52	53						
Dahlco	9152	1.5	CN	1	2	5	* 57	2						
Dahlco	9160 RR	1.6	RR	2	4	7	52	40						
Dahlco	9194 RR	1.9	RR	1	5	5	* 63	15						

CONTINUED

TABLE 7. MID MATURITY (MG 1.0-1.9) SOYBEAN DISEASE TEST

2000 Performance of Public and Commercial Entries In BSR and White Mold Disease Field Environments and in the Greenhouse.

ARL = ARLINGTON, HAN = HANCOCK

Originator/Brand	Entry	Matur-ity Group	Herb. Tol-er. **	Brown Stem Rot (BSR) /1			White Mold /2						3-Test Average	
				ARL Field		Greenhouse	ARL-2000		ARL-1999		HAN-1999		Yield	Disease Severity
				Foliar Score	Stem Score	Plant Score	Yield	Disease Severity	Yield	Disease Severity	Yield	Disease Severity		
				----- (0-11) -----			Bu/A	%	Bu/A	%	Bu/A	%	Bu/A	%
Dairyland	DSR-130 RR	1.3	RR	1	2	6	54	28						
Dairyland	DSR-173	1.6	CN	2	3	6	53	1	70	4	* 58	8	60	4
Dairyland	DST-1224	1.6	CN	1	5	6	53	12						
Dairyland	DSR-185 RR	1.8	RR	1	2	3	51	28						
Dairyland	DSR-180 STS	1.9	STS	1	3	11	56	10	67	20	* 57	25	60	18
Dairyland	DSR-197 RR	1.9	RR	2	4	11	54	25	58	43	48	13	53	27
De Raedt	1812	1.8	CN	1	2	4	* 59	1						
Dekalb	DKB10-51	1.0	RR	1	4	4	54	13						
Dekalb	DKB13-81	1.3	CN	1	5	7	* 59	15						
Dekalb	CX166	1.6	CN	1	3	5	* 59	5	67	12	* 57	8	61	8
Dekalb	DKB19-51	1.9	RR	1	1	8	* 57	10						
Dyna-Gro	DG 3144	1.4	CN	1	2	5	* 61	8	64	5	54	2	60	5
Dyna-Gro	DG 3149 RR	1.4	RR	2	6	8	55	30						
Dyna-Gro	DG 3158 RR	1.5	RR	1	4	4	54	8						
Dyna-Gro	DG 3188	1.8	CN	1	2	6	* 61	5	68	3	* 57	2	62	3
Garst	D 155	1.5	CN	1	5	6	* 59	5	69	12	55	18	61	12
Garst	D 189	1.9	CN	1	4	11	52	8	63	25	* 59	12	58	15
Garst	D 198 RR	1.9	RR	1	3	7	50	18	55	62	56	35	54	38
Garst	D 205	1.9	CN	1	4	6	55	7						
Golden Harvest	H 1225 RR	1.2	RR	1	4	3	47	8	65	1	54	2	55	4
Golden Harvest	H 1480	1.4	CN	1	3	4	56	2	66	4	55	2	59	3
Golden Harvest	X 01535 RR	1.5	RR	1	1	4	* 57	8						
Golden Harvest	X 01584	1.5	CN	2	4	11	54	8						
Golden Harvest	H 1184	1.8	CN	2	4	9	* 60	7	* 76	8	* 61	4	* 66	6
Golden Harvest	H 1841 RR	1.8	RR	1	2	9	50	55	52	48	44	73	49	59
Golden Harvest	H 1190	1.9	CN	1	3	11	53	5	63	18	56	10	57	11
Golden Harvest	X 01929 RR	1.9	RR	1	1	5	50	28						
Growmark	HS 1391	1.3	CN	1	2	6	54	2						
Growmark	RT 1505	1.5	RR	1	3	4	* 59	13						
High Cycle	2101 RR	1.0	RR	1	6	6	53	22	* 73	13	56	23	61	19
High Cycle	2141 RR	1.4	RR	1	4	9	* 57	13						

CONTINUED

TABLE 7. MID MATURITY (MG 1.0-1.9) SOYBEAN DISEASE TEST

2000 Performance of Public and Commercial Entries In BSR and White Mold Disease Field Environments and in the Greenhouse.

ARL = ARLINGTON, HAN = HANCOCK

Originator/Brand	Entry	Matur-ity Group	Herb. Toler.**	Brown Stem Rot (BSR) /1			White Mold /2						3-Test Average	
				ARL Field		Greenhouse	ARL-2000		ARL-1999		HAN-1999		Yield	Disease Severity
				Foliar Score	Stem Score	Plant Score	Yield Bu/A	Disease % Severity	Yield Bu/A	Disease % Severity	Yield Bu/A	Disease % Severity		
				----- (0-11) -----			Bu/A	%	Bu/A	%	Bu/A	%	Bu/A	%
High Cycle	2152 RR	1.5	RR	1	4	2	* 57	28	61	8	54	30	57	22
High Cycle	2181 RR	1.8	RR	1	1	5	55	10						
High Cycle	2192 RR	1.9	RR	2	4	6	* 57	30	56	42	48	48	54	40
Jung	1142	1.4	CN	1	4	5	55	4	69	5	56	5	60	5
Jung	8151 RR	1.5	RR	1	4	5	* 58	12						
Jung	1175	1.7	CN	1	4	6	53	7						
Jung	1198A	1.9	CN	2	3	11	55	9						
Kaltenberg	KB 100 RR	1.0	RR	1	4	5	56	18						
Kaltenberg	KB 111	1.1	CN	1	4	6	* 58	15						
Kaltenberg	KB 148	1.4	CN	1	3	4	55	4	* 74	3	55	4	61	4
Kaltenberg	KB 150 RR	1.5	RR	1	4	4	* 58	7						
Kaltenberg	KB 170	1.7	CN	1	3	4	* 58	2						
Kaltenberg	KB 182 RR	1.8	RR	1	1	5	53	15						
Latham	EX 137 RR	1.3	RR	1	2	4	51	12						
Latham	140 Brand	1.4	CN	1	2	5	55	8	66	5	* 60	7	60	7
Latham	EX 187 RR	1.5	RR	1	3	4	56	9						
Latham	250 Brand	1.7	CN	1	3	6	55	2	70	2	51	5	59	3
Latham	EX 290	1.7	CN	1	1	4	* 57	4						
Latham	337 RR Brand	1.9	RR	1	3	6	51	22						
Latham	392 Brand	1.9	CN	1	5	9	* 62	15	65	37	55	33	61	28
Latham	410 Brand	1.9	CN	1	2	8	52	15						
Latham	EX 407 RR	1.9	RR	1	1	4	54	25						
Lemke	170 RR	1.7	RR	1	4	7	54	18	60	32	51	38	55	29
LG Seeds	C 1432 RR	1.4	RR	1	5	9	55	13						
LG Seeds	C 9148	1.4	CN	1	2	5	56	5	68	0	54	0	59	2
LG Seeds	C 9190 RR	1.9	RR	1	4	7	47	10	61	20	49	23	52	18
Mallard	0910	1.0	CN	1	5	11	51	33	69	5	* 57	9	59	16
Mallard	RR 1511	1.5	RR	1	3	5	55	7						
Mallard	1070	1.9	CN	1	3	5	55	4	68	5	55	1	59	3
Mallard	RR 1912	1.9	RR	1	1	3	55	20						

CONTINUED

TABLE 7. MID MATURITY (MG 1.0-1.9) SOYBEAN DISEASE TEST

2000 Performance of Public and Commercial Entries In BSR and White Mold Disease Field Environments and in the Greenhouse.

ARL = ARLINGTON, HAN = HANCOCK

Originator/Brand	Entry	Matur-ity Group	Herb. Toler.**	Brown Stem Rot (BSR) /1			White Mold /2						3-Test Average	
				ARL Field		Greenhouse	ARL-2000		ARL-1999		HAN-1999		Yield	Disease Severity
				Foliar Score	Stem Score	Plant Score	Yield	Disease Severity	Yield	Disease Severity	Yield	Disease Severity		
				----- (0-11) -----			Bu/A	%	Bu/A	%	Bu/A	%	Bu/A	%
Midwest	G 1410	1.4	CN	1	3	4	* 59	4	65	0	54	2	59	2
Midwest	G 1445 R	1.4	RR	1	2	4	56	8						
Midwest	G 1885	1.8	CN	2	5	8	* 59	2	* 75	2	55	1	* 63	2
Midwest	G 1915	1.9	CN	1	3	4	52	2						
Midwest	G 1945 R	1.9	RR	1	2	10	56	27						
Mycogen	5155	1.5	CN	1	1	8	54	8						
NK Brand	S14-G3	1.4	RR	1	2	5	54	8						
NK Brand	S14-U4	1.4	CN	2	6	5	55	4	64	12	* 57	2	59	6
NK Brand	X016	1.6	CN	1	5	7	55	7						
NK Brand	S19-90	1.9	CN	1	4	7	* 60	4	64	8	54	2	59	5
NK Brand	S19-T9	1.9	CN	1	3	6	* 60	12	62	7	53	2	58	7
NK Brand	X019R	1.9	RR	1	3	4	* 59	8						
Pioneer	91B53	1.5	CN	1	4	4	49	2	69	3	54	2	57	2
Pioneer	91B64	1.6	RR	1	2	4	55	10	68	8	51	8	58	9
Prairie Brand	PB-1202RR	1.2	RR	1	4	6	54	10						
Prairie Brand	PB-1221	1.2	CN	1	4	5	54	20						
Prairie Brand	PB-1246RR	1.3	RR	1	5	3	47	12						
Prairie Brand	PB-1402RR	1.4	RR	2	5	7	* 57	17						
Prairie Brand	PB-1421	1.4	CN	1	2	--	54	5						
Prairie Brand	PB-146	1.4	CN	1	2	5	56	2						
Prairie Brand	PB-1540RR	1.5	RR	1	2	5	54	7						
Prairie Brand	PB-1620RR	1.6	RR	1	4	9	54	15						
Prairie Brand	PB-174	1.7	CN	1	3	5	55	2						
Prairie Brand	PB-180	1.8	CN	1	3	10	* 58	13						
Prairie Brand	PB-184	1.8	CN	1	2	7	51	1						
Prairie Brand	PB-1901RR	1.9	RR	2	2	6	51	17						
Prairie Brand	PB-194	1.9	CN	2	3	6	* 59	8						
QTI Seeds	NAVA	1.4	CN	2	2	5	47	12						
Ramy	R 1100	1.1	CN	1	4	8	* 58	12	63	8	56	14	59	11
Ramy	R 1270	1.2	CN	1	4	6	51	18						
Ramy	R 1490 RR	1.5	RR	1	4	3	52	8						
Ramy	R 1685 RR	1.6	RR	1	4	3	56	25	60	9	56	7	57	14

CONTINUED

TABLE 7. MID MATURITY (MG 1.0-1.9) SOYBEAN DISEASE TEST

2000 Performance of Public and Commercial Entries In BSR and White Mold Disease Field Environments and in the Greenhouse.

ARL = ARLINGTON, HAN = HANCOCK

Originator/Brand	Entry	Matur-ity Group	Herb. Toler.**	Brown Stem Rot (BSR) /1			White Mold /2								
				ARL Field		Greenhouse	ARL-2000		ARL-1999		HAN-1999		3-Test Average		
				Foliar Score	Stem Score	Plant Score	Yield Bu/A	Disease % Severity	Yield Bu/A	Disease % Severity	Yield Bu/A	Disease % Severity	Yield Bu/A	Disease % Severity	
Ramy	R 1725 CH	1.7	CN	1	4	4	* 58	7							
Ramy	R 1605 CN	1.8	CN	1	2	2	53	17							
Renk	RS 1498	1.4	CN	1	3	6	54	2	68	7	* 59	7	60	5	
Renk	RS 159 RR	1.5	RR	1	4	2	56	23	58	4	52	13	55	13	
Renk	RS 1896	1.8	CN	1	2	7	* 58	9	67	20	56	2	60	10	
Renk	RS 199 RR	1.9	RR	2	2	5	* 58	10	61	10	47	8	55	9	
Spansoy	141	1.4	CN	1	1	4	53	2							
Spansoy	162	1.6	STS	1	2	11	46	4							
Stine	1090-6	1.0	CN	1	3	5	55	15							
Stine	1207-4	1.2	RR	1	3	5	43	4	67	2	* 64	1	58	2	
Stine	1506-4	1.2	RR	1	2	4	55	7							
Stine	1386-6	1.3	CN	1	2	6	56	5	68	3	* 59	12	61	7	
Stine	1700-6	1.6	CN	1	3	10	* 59	7							
Stine	1700-4	1.7	RR	1	3	4	54	8							
Top Farm	6090 RR	1.0	RR	2	5	6	52	33	62	7	49	13	54	18	
Top Farm	6150 RR	1.5	RR	1	5	3	52	18	60	5	50	13	54	12	
Top Farm	E 1021	1.7	CN	1	4	4	54	4							
Top Farm	6190 RR	1.9	RR	1	2	4	* 59	13	60	7	47	3	55	8	
Top Farm	E 3753 RR	1.9	RR	1	3	4	49	22							
Trelay	128	1.2	CN	1	3	6	49	12	65	12	52	27	55	17	
Trelay	170	1.7	CN	1	3	4	54	8							
US Seeds	US S 120	1.2	CN	1	5	5	46	12							
US Seeds	US E 1501 RR	1.5	RR	1	2	4	55	9							
US Seeds	US S 159	1.5	CN	1	2	5	55	1	69	8	* 59	8	61	6	
US Seeds	US E 1901RR	1.9	RR	1	1	3	* 59	28							
US Seeds	US S 199	1.9	CN	1	3	5	* 60	5	65	2	* 57	1	61	3	
MEAN				1	3	6	55	12	63	14	52	14	58	12	
LSD(0.10)**				1	1	3	6	11	6	12	5	13	3	7	

* Yields preceded by a "*" are not significantly different (0.10 level) than the highest yielding cultivar. -- Variety not included in greenhouse test.

** Herb. Toler. ; Herbicide Tolerance : RR = Tolerance to "Roundup" herbicide , STS = Tolerance to Sulfonylurea herbicides, CN = Conventional herbicide tolerance.

1/ 0 = no plants with BSR symptoms, 5= 25-50% BSR symptom severity, 11 = 100% BSR symptom severity; see text for explanation.

2/ Disease severity is % of plants expressing white mold disease.

Results that are shaded provide the best estimate of relative variety performance.

TABLE 8. LATE MATURITY (MG 2.0-2.9) SOYBEAN DISEASE TEST

2000 Performance of Public and Commercial Entries In BSR and White Mold Disease Field Environments and in the Greenhouse.

ARL = ARLINGTON, HAN = HANCOCK

Originator/Brand	Entry	Matur-ity Group	Herb. Toler. **	Brown Stem Rot (BSR) /1			White Mold /2						3-Test Average	
				ARL Field		Greenhouse	ARL-2000		ARL-1999		HAN-1999		Yield	Disease Severity
				Foliar Score	Stem Score	Plant Score	Yield	Disease Severity	Yield	Disease Severity	Yield	Disease Severity	Bu/A	%
				----- (0-11)-----			Bu/A	%	Bu/A	%	Bu/A	%	Bu/A	%
Public	STURDY	2.0	CN	1	8	6	50	17	53	45	55	33	53	32
Public	CORSOY 79	2.1	CN	2	9	7	* 53	7	56	40	56	17	55	21
Public	IA 2008 R	2.1	CN	1	1	5	* 53	4					53	4
Public	TITAN	2.1	CN	1	7	5	44	1					44	1
Public	IA 2039	2.3	CN	3	6	6	47	9					47	9
Public	CONRAD 94	2.5	CN	1	7	4	45	7					45	7
Public	IA 2050	2.5	CN	1	2	4	* 52	2					52	2
Public	JACK	2.5	CN	1	2	3	* 52	4					52	4
Public	LODA	2.5	CN	1	4	3	43	1					43	1
Public	WILLIAMS 82	2.5	CN	2	4	5	37	25					37	25
Public	DWIGHT	2.9	CN	1	1	4	49	7	46	40	46	23	47	23
Agripro	AP 2002 RR	2.0	RR	1	7	4	47	15	54	27	52	15	51	19
Agripro	AP 2502 RR	2.5	RR	1	5	5	* 59	8	55	18	* 58	10	* 57	12
Agripro	AP 2569	2.5	CN	1	5	2	* 53	5					53	5
Asgrow	AG2001	2.0	RR	1	8	6	50	4	62	30	* 57	6	56	13
Asgrow	AG2102	2.1	RR	1	2	5	48	7					48	7
Asgrow	AG2103	2.1	RR	1	2	8	50	7					50	7
Asgrow	AG2302	2.3	RR	1	8	5	50	20					50	20
Asgrow	AG2501	2.5	RR	1	6	4	* 56	10					56	10
Asgrow	AG2703	2.7	RR	1	2	3	* 56	7					56	7
Atlas Brand	5204 RR	2.0	RR	1	2	11	* 53	40					53	40
Atlas Brand	5240 RR	2.4	RR	1	2	7	46	5					46	5
Brunner	BR 2099 RR	2.0	RR	1	2	11	51	13					51	13
Croplan	L 2195	2.0	CN	1	7	5	* 58	14					* 58	14
Croplan	L 2495	2.4	CN	1	6	5	* 53	10	48	70	53	23	51	34
Croplan	RT 2454	2.4	RR	1	3	3	48	5					48	5
Croplan	L 2546	2.5	CN	2	7	2	49	15					49	15
Crow's	C 24007	2.4	CN	1	4	11	50	2					50	2
Crow's	C 25001R	2.4	RR	1	3	8	48	5					48	5
Dairyland	DSR-215 RR	2.1	RR	1	3	4	50	2	61	18	54	12	55	11
Dairyland	DSR-218	2.1	CN	1	3	5	48	4	* 71	13	* 58	12	* 59	10

CONTINUED

TABLE 8. LATE MATURITY (MG 2.0-2.9) SOYBEAN DISEASE TEST

2000 Performance of Public and Commercial Entries In BSR and White Mold Disease Field Environments and in the Greenhouse.

ARL = ARLINGTON, HAN = HANCOCK

Originator/Brand	Entry	Matur- ity Group	Herb. Toler. **	Brown Stem Rot (BSR) /1			White Mold /2						3-Test Average	
				ARL Field		Greenhouse	ARL-2000		ARL-1999		HAN-1999		Yield	Disease Severity
				Foliar Score	Stem Score	Plant Score	Yield Bu/A	Disease Severity %	Yield Bu/A	Disease Severity %	Yield Bu/A	Disease Severity %		
				----- (0-11)-----			Bu/A	%	Bu/A	%	Bu/A	%	Bu/A	%
Dairyland	DSR-228 RR	2.2	RR	1	5	8	* 56	18					56	18
Dairyland	DSR-241 RR	2.4	RR	1	6	5	49	4	61	27	56	5	55	12
Dairyland	DSR-243	2.4	CN	1	6	5	46	5					46	5
Dairyland	DSR-272 RR	2.7	RR	1	5	7	46	4					46	4
Dairyland	DSR-280 STS	2.8	STS	1	2	5	* 52	4	42	55	51	35	48	31
De Raedt	2211	2.2	CN	1	2	3	49	2					49	2
Dekalb	DKB23-51	2.3	RR	1	3	3	* 53	9					53	9
Dekalb	DKB23-95	2.3	CN	1	2	10	* 55	4					55	4
Dekalb	DKB26-51	2.6	RR	1	3	3	* 52	13					52	13
Dekalb	DKB26-52	2.6	RR	2	4	1	* 52	25					52	25
Dekalb	DKB28-51	2.8	RR	1	3	3	46	38					46	38
Dyna-Gro	DG 3243 RR	2.4	RR	1	3	5	48	5	60	18	54	12	54	12
Dyna-Gro	DG 3254	2.5	CN	1	4	3	* 54	10	49	70	* 59	45	54	42
Dyna-Gro	DG 3264 RR	2.6	RR	1	3	5	* 53	10					53	10
Garst	D 208	2.0	CN	1	10	4	50	7	66	30	54	20	* 57	19
Garst	D 261 RR	2.5	RR	1	5	8	49	23	51	48	54	7	51	26
Golden Harvest	H 2000 RR	2.0	RR	1	5	7	44	12	53	50	47	18	48	27
Golden Harvest	X 02120	2.1	CN	1	8	8	* 57	11					* 57	11
Golden Harvest	X 02151 RR	2.1	RR	1	2	6	47	7					47	7
Golden Harvest	H 2356 RR	2.3	RR	1	4	6	45	5	49	47	55	10	50	21
Golden Harvest	X 92333	2.3	CN	2	8	6	51	10					51	10
Golden Harvest	H 2494	2.4	CN	1	5	3	* 55	4	53	48	56	5	55	19
Golden Harvest	H 2510	2.5	CN	1	4	11	49	4	60	38	51	27	53	23
Golden Harvest	H 2582 RR	2.5	RR	1	3	4	47	6	57	12	55	1	53	6
Golden Harvest	X 92557	2.5	CN	2	5	6	48	4					48	4
Growmark	HS 2105	2.1	RR	1	3	5	* 55	8					55	8
Growmark	HS 2106	2.1	RR	1	7	5	* 53	15					53	15
Growmark	RT 2175	2.1	RR	1	6	6	48	4	58	27	55	10	54	14
Growmark	HS 2491	2.4	CN	1	2	11	* 55	4					55	4
Growmark	RT 2495	2.4	RR	1	3	5	51	4					51	4
Growmark	HS 2606	2.6	RR	1	4	3	49	7					49	7
Growmark	RT 2696	2.6	RR	1	5	7	51	5	46	55	53	42	50	34

CONTINUED

TABLE 8. LATE MATURITY (MG 2.0-2.9) SOYBEAN DISEASE TEST

2000 Performance of Public and Commercial Entries In BSR and White Mold Disease Field Environments and in the Greenhouse.

ARL = ARLINGTON, HAN = HANCOCK

Originator/Brand	Entry	Matur- ity Group	Herb. Toler. **	Brown Stem Rot (BSR) /1			White Mold /2						3-Test Average			
				ARL Field		Greenhouse	ARL-2000		ARL-1999		HAN-1999		Yield	Disease Severity		
				Foliar Score	Stem Score	Plant Score	Yield	Disease Severity	Yield	Disease Severity	Yield	Disease Severity				
				----- (0-11) -----			Bu/A	%	Bu/A	%	Bu/A	%	Bu/A	%		
Gutwein	7241	2.4	CN	1	3	10	* 55	2							55	2
Gutwein	7245 RR	2.4	RR	2	5	5	47	15							47	15
Gutwein	7288 RR	2.8	RR	3	8	4	42	53							42	53
High Cycle	2243 RR	2.4	RR	1	1	4	51	7	64	32	55	10			* 57	16
High Cycle	2273 RR	2.7	RR	2	4	5	49	13							49	13
Hughes	209 RR	2.0	RR	1	2	7	48	19	56	38	51	13			52	23
Hughes	225	2.2	CN	1	2	5	48	4	66	15	* 59	17			* 58	12
Hughes	239 RR	2.4	RR	1	2	2	47	1							47	1
Hughes	242 RR	2.4	RR	1	4	4	51	7							51	7
Hughes	247 RR	2.4	RR	1	6	4	51	4	53	12	53	10			52	9
Hughes	252	2.5	CN	1	3	5	50	10	57	42	55	37			54	30
Hughes	259	2.5	CN	1	3	10	* 53	4							53	4
Hughes	261 RR	2.5	RR	1	3	3	51	2	61	17	53	20			55	13
Jung	8226 RR	2.2	RR	1	4	3	50	4							50	4
Jung	8242 RR	2.4	RR	1	3	3	47	1							47	1
Kaltenberg	KB 208	2.0	CN	1	5	7	* 55	12	57	47	55	38			56	32
Kaltenberg	KB 210 RR	2.1	RR	1	6	5	* 54	18							54	18
Kaltenberg	KB 220	2.2	CN	1	2	4	* 55	5	62	20	55	7			* 57	11
Kaltenberg	KB 240	2.4	CN	1	8	5	* 56	10	53	28	55	2			55	13
Kaltenberg	KB 242 RR	2.4	RR	1	3	6	* 53	10	60	30	53	13			55	18
Kaltenberg	KB 248	2.4	CN	1	2	11	50	12	57	27	* 57	2			55	14
Kaltenberg	X 243	2.4	CN	2	8	8	50	7							50	7
Kaltenberg	KB 262	2.6	CN	1	7	4	51	7							51	7
Kaltenberg	KB 268	2.6	CN	2	7	3	* 52	7	61	28	54	10			56	15
Kaltenberg	KB 271 RR	2.7	RR	1	5	5	48	13							48	13
Latham	EX 467 RR	2.1	RR	2	4	7	50	7							50	7
Latham	530 Brand	2.2	CN	1	3	8	46	4	65	12	55	4			55	7
Latham	EX 570	2.2	CN	1	4	8	* 53	4							53	4
Latham	640 Brand	2.3	CN	1	2	11	* 54	2	58	28	56	35			56	22
LG Seeds	C 9202	2.0	CN	2	5	6	* 55	2	55	18	54	5			55	8
LG Seeds	C 2111 RR	2.1	RR	1	3	8	* 54	13							54	13
LG Seeds	C 2200	2.2	CN	1	6	6	* 53	17							53	17
LG Seeds	C 2425 RR	2.4	RR	1	3	6	51	7							51	7
LG Seeds	C 9244	2.4	CN	1	2	8	* 57	10							* 57	10

CONTINUED

TABLE 8. LATE MATURITY (MG 2.0-2.9) SOYBEAN DISEASE TEST

2000 Performance of Public and Commercial Entries In BSR and White Mold Disease Field Environments and in the Greenhouse.

ARL = ARLINGTON, HAN = HANCOCK

Originator/Brand	Entry	Matur-ity Group	Herb. Toler. **	Brown Stem Rot (BSR) /1			White Mold /2							
				ARL Field		Greenhouse	ARL-2000		ARL-1999		HAN-1999		3-Test Average	
				Foliar Score	Stem Score	Plant Score	Yield	Disease Severity	Yield	Disease Severity	Yield	Disease Severity	Yield	Disease Severity
				----- (0-11)-----			Bu/A	%	Bu/A	%	Bu/A	%	Bu/A	%
Mallard	RR X 2212	2.2	RR	1	5	8	45	5					45	5
Mallard	X 2013	2.3	CN	1	2	8	* 57	7					* 57	7
Mark	MRK 0021	2.1	CN	1	8	10	47	10					47	10
Mark	MRK 9921	2.1	CN	1	3	8	* 53	6	51	70	* 60	8	55	28
Mark	MRK 9923	2.3	CN	1	3	9	* 56	5					56	5
Mark	MRK 9923 CTA	2.3	CN	1	5	5	* 53	9					53	9
Mark	MRK 9824	2.4	CN	1	7	7	49	2	61	38	56	2	55	14
Mark	MRK RR 9924 CTA	2.4	RR	1	4	3	46	15					46	15
Mark	MRK 0226 CTA	2.6	CN	2	5	5	43	2					43	2
Mark	MRK 9927	2.7	CN	2	3	5	* 52	7	56	33	* 61	2	56	14
Mark	MRK 9929	2.9	CN	2	4	6	* 53	20					53	20
Midwest	G 2044 R	2.0	RR	1	3	2	51	4	64	15	56	37	* 57	19
Midwest	G 2380	2.4	CN	1	3	11	48	10	57	33	* 60	15	55	19
Midwest	G 2645 R	2.6	RR	1	7	9	45	8					45	8
Mycogen	5261	2.6	CN	3	6	8	51	2	63	25	56	17	* 57	15
NK Brand	S19-90	1.9	CN	1	8	5	48	5	64	8	54	2	55	5
NK Brand	S20-F8	2.0	CN	1	5	4	* 58	10					* 58	10
NK Brand	S20-Z5	2.0	RR	1	8	8	49	13					49	13
NK Brand	S24-K4	2.4	RR	1	4	5	* 56	23					56	23
NK Brand	S25-J5	2.5	CN	2	5	9	51	4					51	4
O'Brien	O'Soy 108 RR	1.8	RR	1	8	4	* 55	17					55	17
O'Brien	O'Soy 204 RR	2.4	RR	2	7	6	47	28					47	28
Pioneer	92B36	2.3	RR	1	4	6	49	27					49	27
Pioneer	92B37	2.3	CN	1	7	7	* 56	7					56	7
Pioneer	92B62	2.6	RR	1	2	2	42	43					42	43
Pioneer	92B63	2.6	CN	1	5	6	* 56	13					56	13
Pioneer	92B75	2.7	RR	1	2	2	49	12					49	12
Prairie Brand	PB-202	2.0	CN	1	6	10	* 53	10					53	10
Prairie Brand	PB-2101RR	2.1	RR	1	8	5	51	15					51	15
Prairie Brand	PB-2121RR	2.1	RR	1	2	7	* 54	4					54	4
Prairie Brand	PB-217	2.1	CN	1	5	4	* 59	5					* 59	5
Prairie Brand	PB-2297RR	2.2	RR	1	5	11	* 52	17					52	17
Prairie Brand	PB-230	2.3	CN	2	5	6	49	10					49	10

CONTINUED

TABLE 8. LATE MATURITY (MG 2.0-2.9) SOYBEAN DISEASE TEST

2000 Performance of Public and Commercial Entries In BSR and White Mold Disease Field Environments and in the Greenhouse.

ARL = ARLINGTON, HAN = HANCOCK

Originator/Brand	Entry	Matur-ity Group	Herb. Toler. **	Brown Stem Rot (BSR) /1			White Mold /2						3-Test Average			
				ARL Field		Greenhouse	ARL-2000		ARL-1999		HAN-1999		Yield	Disease Severity		
				Foliar Score	Stem Score	Plant Score	Yield Bu/A	Disease Severity %	Yield Bu/A	Disease Severity %	Yield Bu/A	Disease Severity %	Bu/A	%		
				----- (0-11)-----			Bu/A	%	Bu/A	%	Bu/A	%	Bu/A	%		
QTI Seeds	KUPER	2.6	CN	1	4	4	46	4							46	4
QTI Seeds	RINA	2.6	CN	2	4	6	47	15							47	15
Renk	RS 208 RR	2.0	RR	1	1	7	49	50	49	73	50	43			49	55
Renk	RS 2098	2.1	CN	1	5	7	48	4	* 74	17	* 58	12			* 60	11
Renk	RS 240 RR	2.4	RR	1	3	5	49	2							49	2
Renk	RS 2498	2.4	CN	1	2	9	50	10	53	55	* 57	10			53	25
Renk	RS 2797	2.7	CN	1	3	4	* 53	7	57	37	56	7			55	17
Spansoy	231	2.3	CN	1	7	6	49	6							49	6
Spansoy	241 RR	2.4	RR	1	2	3	45	4							45	4
Spansoy	252	2.5	CN	2	7	4	* 52	13							52	13
Stine	2500-7	2.0	CN	1	4	7	* 57	4	* 67	13	56	8			* 60	8
Stine	2016-4	2.1	RR	1	3	9	51	17							51	17
Stine	2416-4	2.4	RR	1	3	7	49	7							49	7
Stine	2490-1	2.4	CN	1	3	6	* 56	4	58	22	54	5			56	10
Stine	2499-0	2.4	CN	1	2	8	* 56	5	58	27	56	10			* 57	14
Stine	2500-4	2.5	RR	2	4	7	51	7							51	7
Top Farm	E 3193 RR	2.0	RR	1	7	4	48	23							48	23
Trelay	207	2.0	CN	1	4	9	* 53	7	* 67	25	* 57	7			* 59	13
Trelay	230	2.3	CN	2	5	7	47	9							47	9
Trelay	248	2.4	CN	1	2	9	* 54	4	58	38	* 57	35			56	26
US Seeds	US S 219	2.1	CN	1	5	7	48	4	60	57	* 60	32			56	31
US Seeds	US S 2409 RR	2.4	RR	1	4	8	50	2	66	17	51	20			56	13
US Seeds	US 250	2.5	CN	1	4	4	* 52	5	47	63	* 60	27			53	32
US Seeds	US S 289	2.8	CN	1	5	5	* 54	5	60	22	* 59	1			* 58	9
Vigoro	V211RR	2.1	RR	1	7	5	48	2							48	2
MEAN				1	4	6	51	10	55	38	53	18			52	14
LSD(0.10)**				1	2	3	7	12	7	15	4	16			3	8

* Yields preceded by a "*" are not significantly different (0.10 level) than the highest yielding cultivar.

** Herb. Toler. ; Herbicide Tolerance : RR = Tolerance to "Roundup" herbicide , STS = Tolerance to Sulfonylurea herbicides, CN = Conventional herbicide tolerance.

1/ 0 = no plants with BSR symptoms, 5= 25-50% BSR symptom severity, 11 = 100% BSR symptom severity; see text for explanation.

2/ Disease severity is % of plants expressing white mold disease.

Results that are shaded provide the best estimate of relative variety performance.

TABLE 9. CHARACTERISTICS OF PUBLIC SOYBEAN VARIETIES

ORIGINATOR	ENTRY	MATURITY GROUP	HERB. /1 TOLER.	PERFORMANCE							SEED /3 LUSTER	PRR GENES /4	PVP /5
				SHOWN IN TABLES	RE- LEASED	COLOR /2							
						FLOWER	HAIR	POD	HILUM				
NORTH DAKOTA	DAKSOY	00.6	CN	5,6	1998	P	G	BR	Y	D	None	Yes	
NORTH DAKOTA	JIM	00.7	CN	5,6	1998	P	G	BR	Y	D	None	Yes	
NORTH DAKOTA	TRAILL	0.0	CN	5,6	1997	P	TW	BR	Y	I	None	Yes	
MINNESOTA	MN 0301	0.3	CN	4, 5, 6	1997	P	G	BR	Y	D	Rps 1-a	Yes	
MINNESOTA	LAMBERT	0.8	CN	4, 5, 6	1992	P	G	BR	BF	S	Rps 1-a	Yes	
SOUTH DAKOTA	SURGE	0.9	CN	4, 5, 6	1997	P	G	BR	IB	D	Rps 1-a	Yes	
MINNESOTA	MN 0901	0.9	CN	4, 5, 6	1999	W	G	BR	Y	I	Rps 1-a	Yes	
MINNESOTA	MN 1301	1.3	CN	3, 4, 7	1997	W	G	BR	Y	D	Rps 1-c	Yes	
MINNESOTA	HODGSON 78	1.4	CN	7	1978	P	G	BR	BF	D	Rps 1-a	Yes	
MINNESOTA	MN 1401	1.4	CN	2, 3, 4, 7	1998	P	TW	T	B	D	Rps 1-a	Yes	
MINNESOTA	PARKER	1.5	CN	2, 3, 4, 7	1992	W	G	BR	BF	D	Rps 1-a	Yes	
IOWA	IA 1006	1.6	CN	2, 3, 4, 7	1996	W	T	BR	B	D	None	Yes	
IOWA	IA 1008	1.7	CN	2, 3, 4, 7	1999	W	G	T	Y	D	None	No	
IOWA	IA 1009	1.8	CN	2, 3, 4, 7	1999	W	G	BR	Y	D	None	No	
MINNESOTA	GRANITE	1.8	CN	2, 3, 4, 7	1995	P	G	BR	G	D	Rps 1-a	Yes	
MINNESOTA	MN 1801	1.8	CN	2, 3, 4, 7	1999	P	G	BR	BF	D	Rps 1-c	Yes	
IOWA	HARDIN	1.9	CN	2, 3, 4, 7	1980	P	G	BR	Y	D	Rps 1-a	Yes	
IOWA	BSR 101	1.9	CN	2, 3, 7	1985	P	G	T	IB	D	Rps 1-a	No	
MINNESOTA	STURDY	2.0	CN	2, 3, 7, 8	1989	P	G	BR	IB	S	Rps 1-a	Yes	
IOWA	IA 2008 R	2.1	CN	2, 8	1996	W	G	T	BF	D	Rps 1-k	Yes	
ILLINOIS	CORSOY 79	2.1	CN	8	1979	P	G	BR	Y	D	Rps 1-c	No	
MICHIGAN	TITAN	2.1	CN	2, 7	1998	P	TW	BR	B	I	None	-	
IOWA	IA 2039	2.3	CN	2, 8	1998	P	TW	T	B	D	-	-	
IOWA	IA 2052	2.5	CN	2	2000	W	G	BR	BF	D	-	-	
ILLINOIS	LODA	2.5	CN	8	2000	P	G	BR	G	D	-	No	
ILLINOIS	JACK	2.5	CN	2, 8	1990	W	G	BR	Y	D	None	Yes	
ILLINOIS	WILLIAMS 82	2.5	CN	8	1982	W	BR	T	B	S	Rps 1-k	No	
MICHIGAN	CONRAD 94	2.5	CN	8	1994	P	TW	T	BR	D	Rps 1-k, Rps 6	No	
IOWA	IA 2050	2.5	CN	2, 8	2000	P	TW	BR	B	S	-	-	
ILLINIOS	DWIGHT	2.9	CN	8	1998	P	TW	BR	B	D	Rps 1-a	No	

All characteristics information is provided by the state of origination.

1/ Herb. Toler.= Herbicide Tolerance: RR= Resistance to "Roundup", STS= Resistance to Sulfinial Urea herbicides, CN= Conventional herbicide tolerance.

2/ B= Black, BF = Buff, BR= Brown, G= Gray, IB= Imperfect Black, LTW= Light Tawny, M= Mixed, P= Purple, T= Tan, TW= Tawny, W= White, Y= Yellow.

3/ D= Dull, M=Mixed, S= Shiny, I= Intermediate.

4/ PRR= Phytophthora Root Rot Resistance: PRR Genes listed designate resistance to PRR Races listed in Introduction.

5/ PVP= Application for Plant Variety Protection has been made and/or received.

TABLE 10. CHARACTERISTICS OF PRIVATE SOYBEAN VARIETIES (Page 1 of 9)

ORIGINATOR	ENTRY	PERFORMANCE									PRR GENES /4	PVP /5
		MATURITY	HERB. /1	SHOWN IN	RE-	COLOR /2			SEED /3			
		GROUP	TOLER.	TABLES	LEASED	FLOWER	HAIR	POD	HILUM	LUSTER		
Agripro	AP 1080 RR	1.0	RR	4, 7	1998	W	LTW	T	B		None	
Agripro	AP 1394	1.3	CN	4, 7	1995	P	G	BR	G		Rps 1-c	
Agripro	AP 1702 RR	1.7	RR	3, 4, 7	1997	P	G	T	BF		Rps 1-c	
Agripro	AP 2002 RR	2.0	RR	2, 8	1997	P	G	T	BF		Rps 1-c	
Agripro	AP 2502 RR	2.5	RR	2, 8	1998	P	TW	M	B		Rps 1-k	
Agripro	AP 2569	2.5	CN	2, 8	2000	P	G	BR	BF		None	
Asgrow	AG0801	0.8	RR	4, 5, 6	1999	P	T		B		Rps 1-k	
Asgrow	AG1602	1.6	RR	3, 4, 7	2000	P	T		B		Rps 1-k	
Asgrow	AG1801	1.8	RR	3, 4, 7	2000	W	T		BR		Rps 1-a	
Asgrow	AG2001	2.0	RR	2, 3, 8	1999	P	T		B		Rps 1-k	
Asgrow	AG2102	2.1	RR	2, 3, 8	2000	P	T		B		Rps 1-k	
Asgrow	AG2103	2.1	RR	2, 3, 8	2000	W	LTW		B		Rps 1-k	
Asgrow	AG2302	2.3	RR	2, 8	2000	P	G		IB		Rps 1-k	
Asgrow	AG2501	2.5	RR	8	1998	P	G	BR	IB	D	Rps 1-k	Yes
Asgrow	AG2703	2.7	RR	2, 8	2000	P	G		IB		Rps 1-k	
Atlas Brand	5141 RR	1.4	RR	3, 7	1999				B			
Atlas Brand	5204 RR	2.0	RR	3, 8	2000				B			
Atlas Brand	5240 RR	2.4	RR	2, 8	2000				B		Rps 1-k	
Brunner	BR 0799 RR	0.7	RR	4, 6	1999	P		BR	B	I		
Brunner	BR 1500 RR	1.5	RR	4, 7	2000	P		BR	B	M		
Brunner	BR 2099 RR	2.0	RR	2, 3, 8	1999	W		T	B	M		
Croplan	RT 0933	0.9	RR	5, 6								
Croplan	L 1505	1.5	CN	4, 7								
Croplan	L 1969	1.9	CN	2, 3, 7								
Croplan	L 1984	1.9	CN	2, 3, 7								
Croplan	RT 1948	1.9	RR	3, 7								
Croplan	L 2195	2.0	CN	3, 8								
Croplan	L 2495	2.4	CN	2, 8								
Croplan	RT 2454	2.4	RR	2, 8								
Croplan	L 2546	2.5	CN	2, 8								
Crow's	C 24007	2.4	CN	2, 8								
Crow's	C 25001R	2.4	RR	2, 8								
Dahlco	9082	0.8	CN	4, 6	1999	P	G	BR	G	S	Rps 1-k	
Dahlco	9101 RR	1.0	RR	4, 7	1999	P	TW	T	T	S	Rps 1-k	
Dahlco	9122	1.2	CN	4, 7	1999	P	TW	T	BR	S	Rps 1-k	

CONTINUED

TABLE 10. CHARACTERISTICS OF PRIVATE SOYBEAN VARIETIES (Page 2 of 9)

ORIGINATOR	ENTRY	PERFORMANCE										
		MATURITY	HERB. /1	SHOWN IN	RE-	COLOR /2				SEED /3	PRR GENES /4	PVP /5
		GROUP	TOLER.	TABLES	LEASED	FLOWER	HAIR	POD	HILUM	LUSTER		
Dahlco	9145 RR	1.4	RR	4, 7	1999	P	TW	T	B	S		
Dahlco	9152	1.5	CN	4, 7	1999	P	LTW	T	BR	S	None	
Dahlco	9160 RR	1.6	RR	3, 7	1999	P	G	T	BR	S	Rps 1-c	
Dahlco	9194 RR	1.9	RR	3, 7	1999	P	TW	BR	B	S		
Dairyland	DSR-065	0.7	CN	5, 6		P	G	BR	Y		Rps 1-c	
Dairyland	DSR-090	0.9	CN	5, 6		P	G	BR	IB		Rps 1-c	
Dairyland	DSR-130 RR	1.3	RR	4, 7			TW	T	BL			
Dairyland	DSR-173	1.6	CN	4, 7		P	G	BR	IB		Rps 1-a	
Dairyland	DST 1224	1.6	CN	4, 7								
Dairyland	DSR-185 RR	1.8	RR	3, 7								
Dairyland	DSR-180 STS	1.9	STS	3, 7		W	LTW	BR	BL			
Dairyland	DSR-197 RR	1.9	RR	2, 3, 7			TW	BR	BR			
Dairyland	DSR-215 RR	2.1	RR	2, 3, 8		P	TW	T	BL			
Dairyland	DSR-218	2.1	CN	2, 3, 8		P	G	BR	G			
Dairyland	DSR-228 RR	2.2	RR	2, 3, 8			LTW	T	BL			
Dairyland	DSR-241 RR	2.4	RR	2, 8		P	TW	T	BL		Rps 1-k	
Dairyland	DSR-243	2.4	CN	2, 8		P	TW	BR	BR			
Dairyland	DSR-272 RR	2.7	RR	2, 8			TW		BR			
Dairyland	DSR-280 STS	2.8	STS	2, 8			TW		BL			
De Raedt	1812	1.8	CN	2, 7	2001	P	LTW	T	B			
De Raedt	2211	2.2	CN	2, 8	2001	P	G	BR	G			
Dekalb	DKB02-73	0.2	CN	5, 6	2000	P	LTW		BR		None	
Dekalb	DKB03-51	0.3	RR	5, 6	2000	P	T		BR		Rps 1-a	
Dekalb	DKB06-51	0.6	RR	5, 6	2000	P	T		T		Rps 1-k	
Dekalb	DKB10-51	1.0	RR	4, 5, 7	2000	P	T		B		Rps 1-c	
Dekalb	DKB13-81	1.3	CN	4, 7	2000	P	LTW		B		None	
Dekalb	CX166	1.6	CN	3, 4, 7	1999	P	LTW		BR		None	
Dekalb	DKB19-51	1.9	RR	2, 3, 7	2000	P	G		IB		Rps 1-k	
Dekalb	DKB23-51	2.3	RR	2, 8	2000	P	T		B		Rps 1-a	
Dekalb	DKB23-95	2.3	CN	2, 8	2000	W	LTW		BR		None	
Dekalb	DKB26-51	2.6	RR	2, 8	2000	P	T		B		Rps 1-k	
Dekalb	DKB26-52	2.6	RR	2, 8	2000	P	G		IB		Rps 1-a	
Dekalb	DKB28-51	2.8	RR	2, 8	2000	P	T		B		Rps 1-k	
Dyna-Gro	DG 3144	1.4	CN	5, 7								
Dyna-Gro	DG 3149 RR	1.4	RR	3, 4, 5, 7								
Dyna-Gro	DG 3158 RR	1.5	RR	3, 4, 5, 7								
Dyna-Gro	DG 3188	1.8	CN	3, 4, 5, 7								

CONTINUED

TABLE 10. CHARACTERISTICS OF PRIVATE SOYBEAN VARIETIES (Page 3 of 9)

ORIGINATOR	ENTRY	PERFORMANCE									PRR GENES /4	PVP /5
		MATURITY GROUP	HERB. /1 TOLER.	SHOWN IN TABLES	RE-LEASED	COLOR /2			SEED /3 LUSTER			
						FLOWER	HAIR	POD	HILUM			
Dyna-Gro	DG 3243 RR	2.4	RR	2, 8								
Dyna-Gro	DG 3254	2.5	CN	2, 8								
Dyna-Gro	DG 3264 RR	2.6	RR	2, 8								
Garst	D 085	0.8	CN	5, 6	1998	P	G		G		Rps 1-k	No
Garst	PS 9909 RR	0.9	RR	5, 6	1999	W	LTW		BR			No
Garst	D 155	1.5	CN	4, 7	1999	P	G		IB		Rps 1-k	No
Garst	D 189	1.9	CN	3, 7	1998	P	TW		BF		Rps 1-k	No
Garst	D 198 RR	1.9	RR	2, 7	1997	P	TW		BR			No
Garst	D 205	1.9	CN	3, 7	1997	P	TW		B			No
Garst	D 208	2.0	CN	2, 8	1999	P	G		Y		Rps 1-c	No
Garst	D 261 RR	2.5	RR	2, 8	1997	P	TW		BR			No
Golden Harvest	H 1094	0.9	CN	4, 6	1998	P	LTW	T	G	M	Rps 1-c	No
Golden Harvest	X 90981 RR	0.9	RR	4, 6	2000	W	LTW	T	BR	M		No
Golden Harvest	H 1225 RR	1.2	RR	4, 7	1999	P	G	BR	G	M		No
Golden Harvest	H 1480	1.4	CN	4, 7	1998	P	LTW		BR	M		No
Golden Harvest	X 01535 RR	1.5	RR	4, 7	2000	P	LTW	BR	B	M		No
Golden Harvest	X 01584	1.5	CN	4, 7	2000	P	T	BR	T	D		No
Golden Harvest	H 1184	1.8	CN	2, 3, 7	1995	P	T	BR	T	D		No
Golden Harvest	H 1841 RR	1.8	RR	3, 7	1999	W	LTW	T	B	M		No
Golden Harvest	H 1190	1.9	CN	4, 7	1994	P	T	T	B	S		No
Golden Harvest	X 01929 RR	1.9	RR	2, 3, 7	2000	P	T	BR	B	M	Rps 1-k	No
Golden Harvest	H 2000 RR	2.0	RR	2, 3, 4, 8	1998	P	T	T	BR	S		No
Golden Harvest	X 02120	2.1	CN	2, 8	2000	P	G	BR	BF	M		No
Golden Harvest	X 02151 RR	2.1	RR	2, 8	2000	W	LTW	T	B	M		No
Golden Harvest	H 2356 RR	2.3	RR	2, 8	1999	P	T	T	B	M	Rps 1-k	No
Golden Harvest	X 92333	2.3	CN	2, 8	2000	P	T	BR	B	S		No
Golden Harvest	H 2494	2.4	CN	2, 8	1999	P	G	BR	BF	M		No
Golden Harvest	H 2510	2.5	CN	2, 8	1998	W	LTW	TW	BR	M		No
Golden Harvest	H 2582 RR	2.5	RR	2, 8	1999	P	T	T	B	S	Rps 1-k	No
Golden Harvest	X 92557	2.5	CN	2, 8	2000	P	G	BR	IB	M		No
Growmark	RT 0985	0.9	RR	4, 6	1999	W	LTW	T	BR	D	None	No
Growmark	HS 1391	1.3	CN	3, 4, 7	1999	P	LTW	T	BR	D	None	No
Growmark	RT 1505	1.5	RR	3, 4, 7	2000	P	LTW	BR	B		None	No
Growmark	HS 2105	2.1	RR	2, 8	2000	W	LTW	T	B		None	No
Growmark	HS 2106	2.1	RR	2, 8	2000	P	G	BR	IB		Rps 1-k	No
Growmark	RT 2175	2.1	RR	2, 8	1999	P	TW	BR	BR	S	Rps 1-k	Yes
Growmark	HS 2491	2.4	CN	2, 8	1999	W	LTW	T	BR	D	None	No

CONTINUED

TABLE 10. CHARACTERISTICS OF PRIVATE SOYBEAN VARIETIES (Page 4 of 9)

ORIGINATOR	ENTRY	PERFORMANCE										
		MATURITY	HERB. /1	SHOWN IN	RE-	COLOR /2				SEED /3	PRR GENES /4	PVP /5
		GROUP	TOLER.	TABLES	LEASED	FLOWER	HAIR	POD	HILUM	LUSTER		
Growmark	RT 2495	2.4	RR	2, 8	1999	W	LTW	T	BL	D	Rps 1-k	No
Growmark	HS 2606	2.6	RR	2, 8	2000	P	TW	BR	B	D	Rps 1-c	No
Growmark	RT 2696	2.6	RR	2, 8	1999	W	TW	T	BR	D	Rps 1-a	
Gutwein	7241	2.4	CN	2, 8								
Gutwein	7245 RR	2.4	RR	2, 8								
Gutwein	7288 RR	2.8	RR	2, 8								
High Cycle	2101 RR	1.0	RR	4, 7	1999	W	LTW	T	BR			
High Cycle	2141 RR	1.4	RR	4, 7	2001	P	TW	T	B		Rps 1-k	
High Cycle	2152 RR	1.5	RR	3, 7	1999	P	G	T	BR		Rps 1-c	
High Cycle	2181 RR	1.8	RR	3, 7	2001	P	TW	BR	B		Rps 1-k	
High Cycle	2192 RR	1.9	RR	3, 7	1999	P	G	BR	IB			
High Cycle	2243 RR	2.4	RR	2, 8	1999	W	LTW	T	B		Rps 1-k	
High Cycle	2273 RR	2.7	RR	2, 8	2001	P	LTW	T	BR		Rps 1-k	
Hughes	209 RR	2.0	RR	2, 8								
Hughes	225	2.2	CN	2, 8								
Hughes	239 RR	2.4	RR	2, 8							Rps 1-k	
Hughes	242 RR	2.4	RR	2, 8							Rps 1-k	
Hughes	247 RR	2.4	RR	2, 8							Rps 1-k	
Hughes	252	2.5	CN	2, 8								
Hughes	259	2.5	CN	2, 8								
Hughes	261 RR	2.5	RR	2, 8							Rps 1-k	
Jung	8097A RR	0.9	RR	4, 6	2000	W	T	T	BR			
Jung	1142	1.4	CN	4, 7	1999	P	T	T	BR			
Jung	8151 RR	1.5	RR	3, 7	2000	P	T	BR	B			
Jung	1175	1.7	CN	3, 7	2000	P	T	T	BR			
Jung	1198A	1.9	CN	2, 7	2000	P	T	BR	BR		Rps 1-a	
Jung	8226 RR	2.2	RR	2, 8	2000	P	T	T	B			
Jung	8242 RR	2.4	RR	2, 8	1999	P	T	T	B		Rps 1-k	
Kaltenberg	KB 090	0.9	CN	4, 5, 6	1998	P	TW	T	B			
Kaltenberg	KB 091 RR	0.9	RR	4, 6	2001	W	LTW	T	BR			
Kaltenberg	KB 100 RR	1.0	RR	4, 7	2001	P	TW	T	B		Rps 1-c	
Kaltenberg	KB 111	1.1	CN	4, 7	2001	P	LTW	T	B			
Kaltenberg	KB 148	1.4	CN	4, 7	1999	P	TW	T	BR			
Kaltenberg	KB 150 RR	1.5	RR	4, 7	2001	P	LTW	BR	B			
Kaltenberg	KB 170	1.7	CN	3, 4, 7	2001	P	LTW	T	BR			

CONTINUED

TABLE 10. CHARACTERISTICS OF PRIVATE SOYBEAN VARIETIES (Page 5 of 9)

ORIGINATOR	ENTRY	PERFORMANCE									PRR GENES /4	PVP /5
		MATURITY	HERB. /1	SHOWN IN	RE-	COLOR /2				SEED /3		
		GROUP	TOLER.	TABLES	LEASED	FLOWER	HAIR	POD	HILUM	LUSTER		
Kaltenberg	KB 182 RR	1.8	RR	3, 7	2001	P	TW	BR	B		Rps 1-k	
Kaltenberg	KB 208	2.0	CN	3, 8	1997	W	TW	T	BR			
Kaltenberg	KB 210 RR	2.1	RR	3, 8	1999	W	LTW	T	T			
Kaltenberg	KB 220	2.2	CN	2, 3, 8	1999	P	G	BR	G			
Kaltenberg	KB 240	2.4	CN	2, 8	1999	P	G	BR	BF			
Kaltenberg	KB 242 RR	2.4	RR	2, 8	2001	W	TW	T	B		Rps 1-k	
Kaltenberg	KB 248	2.4	CN	2, 8	1998	W	TW	T	BR			
Kaltenberg	X 243	2.4	CN	2, 8		P	G	BR	IB			
Kaltenberg	KB 262	2.6	CN	2, 8	2001	P	G	BR	IB			
Kaltenberg	KB 268	2.6	CN	2, 8	1998	P	TW	BR	B			
Kaltenberg	KB 271 RR	2.7	RR	2, 8	2001	W	TW	T	B		Rps 1-k	
Latham	EX 137 RR	1.3	RR	3, 7								
Latham	140 Brand	1.4	CN	3, 7								
Latham	EX 187 RR	1.5	RR	2, 7								
Latham	250 Brand	1.7	CN	2, 7								
Latham	EX 290	1.7	CN	2, 7								
Latham	337 RR Brand	1.9	RR	2, 7								
Latham	392 Brand	1.9	CN	2, 7								
Latham	410 Brand	1.9	CN	2, 7								
Latham	EX 407 RR	1.9	RR	2, 7								
Latham	EX 467 RR	2.1	RR	2, 8								
Latham	530 Brand	2.2	CN	2, 8								
Latham	EX 570	2.2	CN	2, 8								
Latham	640 Brand	2.3	CN	2, 8								
Lemke	089 RR	0.9	RR	4, 6	2000	W		T	BR		None	No
Lemke	170 RR	1.7	RR	3, 7	1999	P		BR	B		None	No
LG Seeds	C 1432 RR	1.4	RR	4, 7		P	TW	T	B			
LG Seeds	C 9148	1.4	CN	4, 7		P	LTW	T	BR			
LG Seeds	C 9190RR	1.9	RR	3, 7		P	G	BR	G			
LG Seeds	C 9202	2.0	CN	3, 8		P	LTW	BR	T			
LG Seeds	C 2111 RR	2.1	RR	2, 8		W	LTW	T	B			
LG Seeds	C 2200	2.2	CN	2, 8		P	LTW	BR	T			
LG Seeds	C 2425 RR	2.4	RR	2, 8		W	LTW	T	B			
LG Seeds	C 9244	2.4	CN	2, 8		W	LTW	T	B			
Mallard	0910	1.0	CN	4, 7								
Mallard	RR 1511	1.5	RR	3, 7								

CONTINUED

TABLE 10. CHARACTERISTICS OF PRIVATE SOYBEAN VARIETIES (Page 6 of 9)

ORIGINATOR	ENTRY	PERFORMANCE												
		MATURITY GROUP	HERB. /1 TOLER.	SHOWN IN TABLES	RE-LEASED	COLOR /2				SEED /3 LUSTER	PRR GENES /4	PVP /5		
Mallard	1070	1.9	CN	3, 7										
Mallard	RR 1912	1.9	RR	3, 7										
Mallard	RR X 2212	2.2	RR	2, 8										
Mallard	X 2013	2.3	CN	2, 8										
Mark	MRK 0021	2.1	CN	2, 8	2000	P	TW			BR				
Mark	MRK 9921	2.1	CN	2, 8	1999	W	T	LTW		BR				
Mark	MRK 9923	2.3	CN	2, 8	1999	W	TW	LTW		BR				
Mark	MRK 9923 CTA	2.3	CN	2, 8	1999	M	TW	T		BR				
Mark	MRK 9824	2.4	CN	2, 8	1998	P	G			BF				
Mark	MRK RR 9924 CTA	2.4	RR	2, 8	1999	M	TW			B				
Mark	MRK 0226 CTA	2.6	CN	2, 8	2001	P	T	T		IB				
Mark	MRK 9927	2.7	CN	2, 8	1999	P	TW			B				
Mark	MRK 9929	2.9	CN	2, 8	1999	P	TW	T		IB				
Midwest	G 0945 R	0.9	RR	4, 6										
Midwest	G 1410	1.4	CN	4, 7										
Midwest	G 1445 R	1.4	RR	4, 7										
Midwest	G 1885	1.8	CN	3, 7										
Midwest	G 1915	1.9	CN	2, 3, 7										
Midwest	G 1945 R	1.9	RR	3, 7										
Midwest	G 2044 R	2.0	RR	2, 8										
Midwest	G 2380	2.4	CN	2, 8										
Midwest	G 2645 R	2.6	RR	2, 8										
Mycogen	5155	1.5	CN	3, 7	2000					BR				
Mycogen	5261	2.6	CN	2, 8	1998					IB				
NK Brand	X003 R	0.3	RR	5, 6	2001	P	TW	T		BR		Rps 1-c	No	
NK Brand	X008 R	0.8	RR	4, 5, 6	2001	W	TW	T		G		Rps 1-k	No	
NK Brand	S14-G3	1.4	RR	3, 4, 5, 7	1999	P	TW	T		Y		Rps 1-k	No	
NK Brand	S14-U4	1.4	CN	4, 5, 7	1998	P	G	T		Y		Rps 1-c	YES	
NK Brand	X016	1.6	CN	3, 4, 7	2001	P	TW	T		BR			No	
NK Brand	S19-90	1.9	CN	7, 8		P	TW	T		Y	D	Rps 1-c	YES	
NK Brand	S19-T9	1.9	CN	2, 3, 7	1999	P	TW	T		G		Rps 1-c	YES	
NK Brand	X019 R	1.9	RR	3, 7	2001	P	TW	T		IY		Rps 1-a	No	
NK Brand	S20-F8	2.0	CN	2, 3, 8	1999	P	G	BR		Y		Rps 1-c	YES	
NK Brand	S20-Z5	2.0	RR	2, 3, 8	2000	W	TW	T		BR		Rps 1-a	YES	
NK Brand	S24-K4	2.4	RR	2, 8	2000	W	TW	T		BR		Rps 1-a	YES	
NK Brand	S25-J5	2.5	CN	2, 8	2000	W	TW	BR		B			YES	

CONTINUED

TABLE 10. CHARACTERISTICS OF PRIVATE SOYBEAN VARIETIES (Page 7 of 9)

ORIGINATOR	ENTRY	PERFORMANCE											
		MATURITY	HERB. /1	SHOWN IN	RE-	COLOR /2				SEED /3	PRR GENES /4	PVP /5	
		GROUP	TOLER.	TABLES	LEASED	FLOWER	HAIR	POD	HILUM	LUSTER			
O'Brien	O'Soy 108 RR	1.8	RR	2, 8		P		BR	B	I			
O'Brien	O'Soy 204 RR	2.4	RR	2, 8		P		BR	B	I		Rps 1-k	
Pioneer	90B43	0.4	CN	5, 6		P	G	Y	T	D		Rps 1-c	YES
Pioneer	90B73	0.7	RR	5, 6		P	T	BR	BR	D			YES
Pioneer	91B53	1.5	CN	3, 4, 7		P	LTW	BR	BR	S			
Pioneer	91B64	1.6	RR	3, 4, 7		P	T	BL	BR	D		Rps 1-c	YES
Pioneer	92B36	2.3	RR	2, 8		P	T	BR	T	D			YES
Pioneer	92B37	2.3	CN	2, 8		P	G	IB	BR	D		Rps 1-c	
Pioneer	92B62	2.6	RR	2, 8		W	LTW	BL	T	D			YES
Pioneer	92B63	2.6	CN	2, 8		P	LTW	BR	BR	D			
Pioneer	92B75	2.7	RR	2, 8		P	T	BL	BR	D		Rps 1-k	YES
Prairie Brand	PB-0303RR	0.3	RR	5, 6	1999	P	TW	T	BR	I			
Prairie Brand	PB-0810RR	0.8	RR	4, 5, 6	2000	P	TW	BR	BR	I		Rps 1-k	
Prairie Brand	PB-0920RR	0.9	RR	4, 6	1999	W	LTW	T	BR	I			
Prairie Brand	PB-098	0.9	CN	5, 6	1998	P	LTW	T	B	I			
Prairie Brand	PB-1202RR	1.2	RR	4, 7	2000	P	TW	BR	B	I		Rps 1-k	
Prairie Brand	PB-1221	1.2	CN	4, 7	2000	P	LTW	T	IB	S			
Prairie Brand	PB-1246RR	1.3	RR	4, 7	2000	P	LTW	T	BR	D			
Prairie Brand	PB-1402RR	1.4	RR	4, 7	2000	P	TW	T	B	I		Rps 1-k	
Prairie Brand	PB-1421	1.4	CN	4, 7	2000	P	LTW	BR	BF	S		Rps 1-a	
Prairie Brand	PB-146	1.4	CN	4, 7	1998	P	LTW	T	BR	I			
Prairie Brand	PB-1540RR	1.5	RR	4, 7	2000	P	LTW	BR	B	S			
Prairie Brand	PB-1620RR	1.6	RR	3, 7	1999	P	G	T	BF	I		Rps 1-c	
Prairie Brand	PB-174	1.7	CN	3, 7	2000	P	LTW	T	BR	I			
Prairie Brand	PB-180	1.8	CN	3, 7	2000	M	TW	T	BR	I		Rps 1-a	
Prairie Brand	PB-184	1.8	CN	3, 7	2000	P	G	M	IB	I		Rps 1-k	
Prairie Brand	PB-1901RR	1.9	RR	3, 7	2000	P	TW	BR	B	S		Rps 1-k	
Prairie Brand	PB-194	1.9	CN	3, 7	1996	P	G	BR	Y	D			
Prairie Brand	PB-202	2.0	CN	3, 8	1996	W	LTW	T	BR	I			
Prairie Brand	PB-2101RR	2.1	RR	3, 8	2000	W	LTW	T	BR	I		Rps 1-a	
Prairie Brand	PB-2121RR	2.1	RR	2, 3, 8	2000	W	LTW	T	B	S			
Prairie Brand	PB-217	2.1	CN	2, 8	2000	P	G	BR	BF	I			
Prairie Brand	PB-2297RR	2.2	RR	2, 8	1999	W	LTW	T	Y	I			
Prairie Brand	PB-230	2.3	CN	2, 8	2000	P	G	T	IB	I		Rps 1-a	
QTI Seeds	NAVA	1.4	CN	2, 3, 7	1998	P	TW	BR	B	D		Rps 1-k	
QTI Seeds	KUPER	2.6	CN	2, 8	1999	W	TW	BR	Y	D		Rps 1-k	
QTI Seeds	RINA	2.6	CN	2, 8	2000	P	TW	BR	B	D		Rps 1-a	

CONTINUED

TABLE 10. CHARACTERISTICS OF PRIVATE SOYBEAN VARIETIES (Page 8 of 9)

ORIGINATOR	ENTRY	PERFORMANCE										PRR GENES /4	PVP /5
		MATURITY	HERB. /1	SHOWN IN	RE-	COLOR /2				SEED /3			
		GROUP	TOLER.	TABLES	LEASED	FLOWER	HAIR	POD	HILUM	LUSTER			
Ramy	R 580 RR	0.5	RR	4, 6	1999	P	LTW	B	B	S			
Ramy	R 900 RR	0.9	RR	3, 4, 6	2000	W	G	T	B	M	Rps 1-k		
Ramy	R 1100	1.1	CN	4, 7	1999	P	T	BR	G	M	Rps 1-c	No	
Ramy	R 1270	1.2	CN	4, 7	2000	P	LTW	T	IB	M			
Ramy	R 1490 RR	1.5	RR	3, 7	2000	P	LTW	B	B	M			
Ramy	R 1685 RR	1.6	RR	3, 7	1999	P	G	T	BR	M	Rps 1-c		
Ramy	R 1725 CH	1.7	CN	3, 7	1997	P	G	BR	Y	S			
Ramy	R 1605 CN	1.8	CN	3, 7	2000	P	LTW	T	B	M			
Renk	RS 099 RR	0.9	RR	4, 6									
Renk	RS 0995	0.9	CN	4, 6									
Renk	RS 1498	1.4	CN	3, 4, 7									
Renk	RS 159 RR	1.5	RR	3, 4, 7									
Renk	RS 1896	1.8	CN	2, 3, 7									
Renk	RS 199 RR	1.9	RR	3, 7									
Renk	RS 208 RR	2.0	RR	2, 3, 8									
Renk	RS 2098	2.1	CN	2, 3, 8									
Renk	RS 240 RR	2.4	RR	2, 8									
Renk	RS 2498	2.4	CN	2, 8									
Renk	RS 2797	2.7	CN	2, 8									
Spansoy	092	0.9	CN	4, 6	2001	P	G	T	Y				
Spansoy	099 RR	0.9	RR	3, 4, 6	1999	W	TW		BR				
Spansoy	141	1.4	CN	3, 7	2001	P	TW		BR				
Spansoy	162	1.6	STS	3, 7	2001	W	LT	BR	B				
Spansoy	231	2.3	CN	2, 8	2001	P	TW		BF				
Spansoy	241 RR	2.4	RR	2, 8	2001	P	TW		B				
Spansoy	252	2.5	CN	2, 8	2001	P	G	BR	B				
Stine	0990-4	0.9	RR	4, 6									
Stine	1090-6	1.0	CN	5, 7		P	LTW		BL				
Stine	1207-4	1.2	RR	4, 7									
Stine	1506-4	1.2	RR	3, 4, 7									
Stine	1386-6	1.3	CN	4, 7		P	LTW		BR				
Stine	1700-6	1.6	CN	3, 4, 7		W	LTW		BR				
Stine	1700-4	1.7	RR	3, 7									
Stine	2500-7	2.0	CN	3, 8		P	LTW		T				
Stine	2016-4	2.1	RR	2, 3, 8									
Stine	2416-4	2.4	RR	2, 8									
Stine	2490-1	2.4	CN	2, 8		P	G		BF				

CONTINUED

TABLE 10. CHARACTERISTICS OF PRIVATE SOYBEAN VARIETIES (Page 9 of 9)

ORIGINATOR	ENTRY	PERFORMANCE											
		MATURITY GROUP	HERB. /1 TOLER.	SHOWN IN TABLES	RE-LEASED	COLOR /2				SEED /3 LUSTER	PRR GENES /4	PVP /5	
Stine	2499-0	2.4	CN	2, 8		W	LTW		BR				
Stine	2500-4	2.5	RR	2, 8									
Top Farm	6090 RR	1.0	RR	4, 7									
Top Farm	6150 RR	1.5	RR	4, 7									
Top Farm	E 1021	1.7	CN	2, 7									
Top Farm	6190 RR	1.9	RR	2, 7									
Top Farm	E 3753 RR	1.9	RR	2, 7									
Top Farm	E 3193 RR	2.0	RR	2, 8									
Trelay	090	0.9	CN	4, 6	2001	P	G	T	Y				
Trelay	095	0.9	CN	4, 6	1995	P	TW	BR	BR				
Trelay	128	1.2	CN	4, 7	1998	P	TW	BR	B			Rps 1-k	
Trelay	170	1.7	CN	3, 7	2001	P	LTW	T	BR				
Trelay	207	2.0	CN	2, 3, 8	1997	P	LTW	BR	T				
Trelay	230	2.3	CN	2, 8	2001		G	T	IB			Rps 1-a	
Trelay	248	2.4	CN	2, 8	1998	W	LTW	T	BR				
US Seeds	US S 0909 RR	0.9	RR	4, 6	1999	W	LTW	T	T	I		None	No
US Seeds	US S 120	1.2	CN	4, 7	2000	P	LTW	T	BR	I		Rps 1-k	No
US Seeds	US E 1501 RR	1.5	RR	3, 7	2001	P	LTW	BR	B	I		None	No
US Seeds	US S 159	1.5	CN	4, 7	1999	P	LTW	T	BR	I		None	No
US Seeds	US E 1901 RR	1.9	RR	3, 7	2001	P	TW	BR	B	I		Rps 1-k	No
US Seeds	US S 199	1.9	CN	3, 7	1999	P	LTW	BR	BR	I		None	No
US Seeds	US S 219	2.1	CN	2, 8	1999	P	LTW	T	BR	I		None	No
US Seeds	US S 2409 RR	2.4	RR	2, 8	1999	W	LTW	T	B	I		Rps 1-k	No
US Seeds	US 250	2.5	CN	2, 8	2000	P	G	BR	BF	I		None	
US Seeds	US S 289	2.8	CN	2, 8	1999	P	TW	BR	B	I		None	No
Vigoro	V211RR	2.1	RR	2, 8	2000	P	TW	T	BR			Rps 1-k	

All characteristics information is provided by the originator.

1/ Herb. Toler.= Herbicide Tolerance: RR= Resistance to "Roundup", STS= Resistance to Sulfinial Urea herbicides,CN= Conventional herbicide tolerance.

2/ B= Black, BF = Buff, BR= Brown, G= Gray, IB= Imperfect Black, LTW= Light Tawny, M= Mixed, P= Purple, T= Tan, TW= Tawny, W= White, Y= Yellow.

3/ D= Dull, M=Mixed, S= Shiny, I= Intermediate.

4/ PRR= Phytophthora Root Rot Resistance: PRR Genes listed designate resistance to PRR Races listed in Introduction.

5/ PVP= Application for Plant Variety Protection has been made and/or received.

TABLE 11. SEED SOURCES FOR PRIVATE SOYBEAN ENTRIES IN 2000

Brand	Company Name	Address	Phone
AGRIPRO	AGRIPRO SEEDS, INC.	824 2nd Street South, Brookings, SD 57006	507-932-5769
ASGROW / MONSANTO	ASGROW SEED CO.	P.O. Box 7570, Des Moines, IA 50322	507-524-3450
ATLAS BRAND	MYCOGEN SEEDS / ATLAS BRAND	1340 Corporate Center Rd. P.O. Box 21428, St. Paul, MN 55121	317-337-7557
BRUNNER	BRUNEER SEED FARM	W3850 U.S. Hwy. 10, Durand, WI 54736	715-672-5887
CROPLAN	CROPLAN GENETICS	5600 Cenex Drive, Inver Grove Hgts, MN 55077	612-306-8223
CROW'S	CROW'S HYBRID CORN CO.	P.O. Box 306, Milford, IL, 60953	815-889-4151
DAHLCO	DAHLCO SEEDS INC.	14730 15th Street SW, Cokato, MN 55321	320-286-5982
DAIRYLAND	DAIRYLAND SEED CO., INC.	P.O. BOX 958, 3570 Hwy H, West Bend, WI 53095	800-236-0163
DE RAEDT	DE RAEDT SEED COMPANY	10N971 Tower Road, Hampshire, IL 60140	847-464-5553
DEKALB / MONSANTO	DEKALB GENETICS CORP.	3100 Sycamore Rd., Dekalb, IL 60115	815-758-9323
DYNAGRO	UAP GREAT LAKES	221 W. Lake Lansing Road, E. Lansing, MI 48823	517-333-8788
GARST	GARST SEED CO.	502 E. Kent St., Box 67, Kentland, IN 47951	219-474-5111
GOLDEN HARVEST	GOLDEN HARVEST	27420 137th Avenue N, Cordova, IL 61242	309-654-2234
GROWMARK	GROWMARK, INC.	1701 Towanda Ave., Bloomington, IL 61701	309-557-6399
GUTWEIN	GUTWEIN SEED	15691 W. 600 S., Francesville, IN 47946	800-457-2700
HIGH CYCLE	TRELAY SEED COMPANY / HIGH CYCLE	11623 State Hwy. 80, Livingston, WI 53554	608-943-6363
HUGHES	HUGHES SEED FARMS, INC.	206 N. Hughes Road, Woodstock, IL 60098	815-338-2480
JUNG	JUNG SEED GENETICS, INC.	341 S. High St., Randolph, WI 53957	920-326-5891
KALTENBERG	KALTENBERG SEED FARMS, INC.	P.O. Box 278, 5506 Hwy 19, Waunakee, WI 53597	800-383-3276
LATHAM	LATHAM SEED CO.	131 180th St., Alexander, IA 50420	515-692-3258
LEMKE	LEMKE SEED FARMS, INC.	10220 N. Granville Rd., Mequon, WI 53097	414-242-2647
LG SEED	LG SEED CO.	905 Dexter St., Prescott, WI 54021	715-262-5552
MALLARD	MALLARD SEED CO., INC.	P.O. Box 637, Plainview, MN 55964	507-534-2300
MARK	MARK SEED CO.	823 W 2nd Box 67, Perry, IA 50220	515-465-2122
MIDWEST	MIDWEST SEED GENETICS	213 E. 6th St. P.O. Box 518, Carroll, IA 51401	800-369-8218
MYCOGEN	MYCOGEN SEEDS	1340 Corporate Center Rd. P.O. Box 21428, St. Paul, MN 55121	612-405-5973
NK BRAND	NOVARTIS SEEDS, INC.	320 Mohawk Trail, De Forest, WI 53532	608-846-0664
O'BRIEN	O'BRIEN HYBRIDS	408 Glenway Road, Brooklyn, WI 53521	608-455-6615
PIONEER	PIONEER HI-BRED INTL, INC.	1919 W. 57th St., Suite 101, Sioux Falls, SD 57108	605-339-1230
PRAIRIE BRAND	PRAIRIE BRAND SEED COMPANY	15 X Avenue, Story City, IA 50248	515-733-2101
QTI SEEDS	QUALITY TRADERS INC.	34645 2800 N. Ave., LaMobile, IL 61330	815-538-2922
RAMY	RAMY INTERNATIONAL, LTD.	1329 N. Riverfront Dr., Box 3722, Mankato , MN 56001	800-658-7269
RENK	RENK SEED CO.	6800 Wilburn Road, Sun Prairie, WI 53590	608-837-7351
SPANSOY	SPANGLER SEEDTECH, INC.	803 W. Racine St., Jefferson, WI 53549	920-674-4606
STINE	STINE SEED CO.	2225 Laredo Trail, Adel, IA 50003	515-677-2605
TOP FARM	TOP FARM HYBRIDS	17177 60th St. S.W. Cokato, MN 55321	320-286-5516
TRELAY	TRELAY SEED CO.	11623 Hwy 80, Livingston, WI 53554	608-943-6363
U.S. SEEDS	UNITED SUPPLIERS	30473 260th St., P.O. Box 538, Eldora, IA 50627	515-858-2341
VIGORO	ROYSTER-CLARK INC. / VIGORO	70 N. Market St., Mt. Sterling, OH 43143	877-864-7333

TABLE 12. 2000 TEMPERATURE AND PRECIPITATION SUMMARY

LOCATION	TEMP. PPP.	MAY		JUNE		JULY		AUGUST		SEPT.	
		AVE. TOTAL	DEP. DEP.	AVE. TOTAL	DEP. DEP.	AVE. TOTAL	DEP. DEP.	AVE. TOTAL	DEP. DEP.	AVE. TOTAL	DEP. DEP.
ARLINGTON	TEMP.	60.7	2.8	65.0	-1.8	69.2	-2.1	70.5	1.6	62.6	1.7
	PPT.	10.5	7.4	7.2	3.4	3.4	0.0	3.3	-0.6	3.1	-1.2
ASHLAND	TEMP.	53.3	1.7	59.1	-2.3	65.9	-1.9	65.7	0.1	57.1	0.0
	PPT.	2.7	-0.6	3.2	-0.1	4.8	1.3	3.2	-1.0	3.4	-0.5
CHIPPEWA FALLS (EAU CLAIRE)	TEMP.	59.3	2.0	65.1	-1.3	70.8	-0.7	70.1	1.5	58.8	-0.2
	PPT.	4.1	0.3	8.3	4.1	3.8	-0.1	2.2	-2.3	3.9	0.0
FOND DU LAC	TEMP.	59.1	1.6	65.5	-1.5	69.2	-2.8	69.8	0.3	60.8	-0.5
	PPT.	3.6	0.5	5.4	1.9	2.5	-0.7	3.8	-0.7	3.7	0.0
GALESVILLE (TREMPEAU DAM #6)	TEMP.	60.6	1.3	66.6	-1.7	71.6	-1.3	71.4	1.2	62.5	1.1
	PPT.	5.3	1.5	7.5	3.5	3.3	-0.8	3.8	-0.3	2.0	-2.3
HANCOCK**	TEMP.	59.0	1.3	64.1	-2.5	67.7	-3.2	69.0	0.6	58.6	-1.5
	PPT.	5.1	1.8	6.9	3.3	2.3	-1.3	4.6	0.7	3.5	-0.7
	Irrigation		1.3		2.0		5.4		3.1		0.5
JANESVILLE (BELOIT)	TEMP.	60.6	2.4	66.1	-2.6	70.1	-2.6	70.6	0.7	63.1	1.1
	PPT.	6.3	3.2	9.5	5.7	3.6	-0.3	2.9	-1.1	3.5	-0.5
LANCASTER	TEMP.	59.7	1.4	64.9	-2.8	69.0	-3.0	69.5	-0.2	61.7	0.2
	PPT.	6.5	3.0	9.8	5.8	3.0	-1.0	3.0	-1.5	2.8	-1.1
MARSHFIELD	TEMP.	57.8	1.8	62.8	-1.8	67.7	-1.6	67.8	1.0	58.0	-0.3
	PPT.	3.7	-0.4	7.5	3.5	2.3	-1.7	4.0	-0.1	4.7	0.2
RACINE	TEMP.	56.7	1.8	64.7	-0.6	68.9	-2.1	71.7	1.8	63.7	1.0
	PPT.	9.0	6.0	6.9	3.3	6.7	2.8	2.4	-1.3	6.6	2.8
SEYMOUR (GREEN BAY)	TEMP.	56.8	1.3	63.8	-0.7	67.0	-2.7	67.1	0.0	58.0	-1.0
	PPT.	4.4	1.6	5.3	1.9	6.3	3.2	3.4	-0.1	3.7	0.2
SPOONER	TEMP.	59.1	3.2	63.2	-1.2	69.0	-0.5	68.5	1.9	58.2	0.6
	PPT.	4.5	1.3	4.8	0.9	7.5	3.7	4.8	0.5	0.7	-3.2
STURGEON BAY	TEMP.	54.7	1.5	62.1	-0.7	66.7	-2.1	67.2	0.0	58.8	-8.5
	PPT.	3.6	0.4	4.6	1.3	2.9	-0.5	4.8	1.3	4.4	1.0
VALDERS (MANITOWOC)	TEMP.	55.4	1.3	63.8	0.0	68.0	-1.8	69.6	1.3	61.8	1.2
	PPT.	5.0	2.2	3.5	0.4	6.3	3.3	5.2	1.9	4.5	1.1

*TEMP. = Temperature, PPT. = Precipitation, AVE. = Average, DEP. = Departure from normal.

**Irrigation applied at Hancock.