

A3654

1998

WISCONSIN  
SOYBEAN  
VARIETY  
TEST  
RESULTS

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University of Wisconsin-Extension  
Cooperative Extension

Wisconsin Crop Improvement Association

**Wisconsin Soybean Marketing Board**



**1998 WISCONSIN SOYBEAN VARIETY TESTS**  
**A3654**

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

**How the Entries were Tested**

Seed companies, private breeders, and uni-versity 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. Narrow row tests were con-ducted at all locations using conventional or reduced tillage practices. In addition, "Roundup Ready" varieties were included at all locations. Seeding rate was 3.2 seeds/ft (225,000 seeds/acre). Tests were conducted in a split-block randomized complete block design with four replications. Weeds on the conventional and STS varieties were controlled by a combination of herbicides, as listed in Table 1, while only Roundup was used on the "Roundup Ready" varieties.

**Growing Conditions for 1998**

The average yield of entries at a test site compared to the long-term average is an indication of overall growing conditions in a particular area (Table 1).

The 1998 Wisconsin soybean crop is the largest on record. State average yields are projected to be a record 46 bushels/acre. Combined with a record harvested acreage of 1.1 million acres, Wisconsin's soybean production in 1998 will be over 50 million bushels.

Soybean planting was timely for most producers in Wisconsin. Cool soil temperatures delayed emergence. However, soybean plants had ample moisture and plant growth was good to excellent resulting in dense plant canopies, except in northwestern areas of the state.

Record high yields were achieved at most locations in 1998. Yields were lower than normal at Chippewa Falls due to dry weather. Overall, trial average yields ranged from 24 to 76 bu/acre with individual variety yields as high as 88 bu/acre.

**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 maturity group of the variety.

**Protein and Oil:** Protein and oil content of the grain determined from two locations (Arlington and Hancock) and is reported at the 13% moisture level.

**Other Characteristics:** Table 3 lists other identifying characteristics of the public entries and Table 4 gives identifying characteristics of commercial entries.

### **Phytophthora Root Rot**

There are several races of this fungus. Genes which can be incorporated into varieties (see Tables 3 and 4) to provide complete or partial resistance to this disease are as follows:

#### **Gene Races**

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 3 and 4 is based on data from greenhouse tests conducted by the University of Wisconsin's Department of Plant Pathology, information supplied by the state releasing the variety, or information supplied by the companies.

### **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. Field evaluation of some varieties were conducted at two southern Wisconsin locations under moderate to heavy BSR levels from 1991 through 1997. In 1998 all varieties entered in the state performance test were also evaluated at one site with light to moderate BSR levels. Results from 1998 are shown in Tables 10 and 11 of this report. Ratings range from 0 (no incidence) to 11 (high incidence) of foliar symptoms.

### **White Mold (Sclerotinia)**

This disease which infects the plant at flowering time does not become evident until later in the season. Soybean performance tests at Galesville and Hancock (central-region) were slightly infected in 1995 and 1996, and heavily infected in 1997. In 1998, all varieties entered in the state performance test were also evaluated at Galesville and Hancock in separate white mold disease testing. White mold disease pressure was low to moderate in 1998 at both sites. Results are shown in Tables 10 and 11 of this report.

### **What the Results Mean**

The performance of a variety may vary from year to year, even at the same location. Average performance over 2 or more years more accurately indicates the entries' general acceptability. 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 and 3 out of 10 for the 0.30 value.

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**TABLE 1. GENERAL INFORMATION ON THE 1998 SOYBEAN TESTS.**

Location	Cooperators	Soil Type	Soil Tests (1)		Herbicide Program	Herbicides (2)(3)	Planting Date	Harvest Date	Ave. 1998	Yield 97-98
Arlington Variety Trial	S. Kraak, J. Quimby	Silt loam	pH: 6.1 P: 100	OM: 3.5 K: 190	Conventional Roundup	PPI: Dul	11-May	1-Oct	69	61
Ashland	M. Mlynarek	Loamy Sand	pH: 6.4 P: 58	OM: 2.3 K: 187	Conventional Roundup	Pre: Trb	18-May	8-Oct 9-Oct	24	
Chippewa Falls	J. Clark	Silt loam	pH: 5.9 P: 140	OM: 3.0 K: 150	Conventional Roundup	PPI: Purplus Post: Pst	15-May	1-Oct	42	48
Fond du Lac	M. Rankin, E. Montsuma, D. Halbach	Silt loam	pH: 6.5 P: 33	OM: 3.2 K: 100	Conventional Roundup	PRE: Dul, Pur Post: Pst	7-May	15-Oct	73	67
Galesville Variety Trial	K. Congdon, D. Frame	Silt loam	pH: 6.1 P: 48	OM: 3.8 K: 150	Conventional Roundup	PPI: Dul Post: Pur, Pnc, Asr	14-May	13-Oct	65	52
Hancock Variety Trial	J. Breuer G. Humphrey	Sand Irrigated	pH: 6.5 P: 135	OM: .7 K: 95	Conventional Roundup	Pre: Lor, Las	8-May	28-Sep	76	61
Janesville	R. Jaynes, D. Nehring	Silt loam	pH: 6.6 P: 74	OM: 3.4 K: 215	Conventional Roundup	Pre: Frnt, Dul	5-May	12-Oct 13-Oct	74	70
Marshfield	D. Wiersma	Silt loam	pH: 5.7 P: 56	OM: 3.8 K: 240	Conventional Roundup	PPI: Dul, Pur Post: Bsg, Pst	4-May	23-Sep	50	49
Racine	Henderson Seed Farm	Clay loam	pH: 6.3 P: 36	OM: 4.6 K: 175	Conventional Roundup	PPI: Dul Post: Pur, Bsg	20-May	14-Oct	64	62
Seymour	R. Vanden Heuvel, J. Biese	Clay loam	pH: 7.1 P: 22	OM: 3.5 K: 125	Conventional Roundup	PRE: Dul, Pur Post: Pnc, Asr	11-May	29-Sep	66	64
Spooner	R. Rand	Silt Loam	pH: 6.6 P: 22	OM: 2.8 K: 65	Conventional Roundup	Pre: Frn, Snc	13-May	15-Oct	33	33
Valders	L. Berge, S. Hendrickson	Clay loam	pH: 7.2 P: 64	OM: 3.4 K: 250	Conventional Roundup	PPI: Purplus	18-May	30-Sep 10-Oct	59	54

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

(2) Herbicide Abbreviations: Asr-Assure, Bsg-Basagran, Dul-Dual, Frn-Frontier, Frnt- Firstrate, Las-Lasso, Lor-Lorox, Pnc-Pinnacle, Pst-Poast, Pur-Pursuit, Purplus- Pursuit Plus, Pri-Prowl, Rnd- Roundup Snc- Sencor, Trb-Turbo 8E.

(3) Roundup used on all Roundup Ready varieties.

**TABLE 2. 1998 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.	61.5	3.6	66.5	-0.3	69.9	-1.4	71.0	2.1	64.7	3.8
	PPP.	4.1	0.9	6.8	3.0	1.8	-1.6	6.7	2.8	3.0	-1.3
ASHLAND**	TEMP.	59.0	7.4	60.4	-1.0	68.4	0.6	69.1	3.5	62.1	5.0
	PPP.	1.1	-2.1	6.6	3.3	1.6	-1.9	3.0	-1.2	3.2	-0.6
CHIPPEWA FALLS (EAU CLAIRE)	TEMP.	64.0	6.7	65.7	-0.7	72.7	1.2	71.5	2.9	65.7	6.7
	PPP.	4.1	0.3	3.8	-0.4	3.6	-0.4	3.6	-0.9	1.3	-2.6
FOND DU LAC	TEMP.	62.6	5.1	66.5	-0.5	71.9	-0.1	70.5	1.0	66.2	4.9
	PPP.	2.1	-0.9	4.0	0.5	0.9	-2.3	2.8	-1.1	2.0	-1.8
GALESVILLE (TREMPEAU DAM #6)	TEMP.	65.6	6.3	66.4	-2.0	73.5	0.6	70.5	0.3	67.3	5.9
	PPP.	3.6	-0.2	7.8	3.8	2.6	-1.5	7.8	3.7	0.2	-4.1
HANCOCK***	TEMP.	63.3	5.6	64.4	-2.2	69.9	-1.0	69.0	0.6	63.9	3.8
	PPP.	3.0	-0.2	6.4	2.8	2.5	-1.1	7.8	3.8	2.5	-1.7
	Irrigation for disease trials	2.2		3.6		7.2		4.0		2.0	
	Irrigation for variety trial	2.2		3.6		5.6		4.0		2.0	
JANESVILLE (BELOIT)	TEMP.	63.6	5.4	67.6	-1.1	72.3	-0.4	72.1	2.2	64.7	2.7
	PPP.	5.0	1.9	5.7	1.9	2.7	-1.2	8.6	4.6	2.8	-1.2
MARSHFIELD	TEMP.	62.3	6.3	64.0	-0.6	70.6	1.3	68.7	1.9	63.6	5.4
	PPP.	3.1	-1.0	8.6	4.5	0.5	-3.5	3.2	-0.9	0.6	-4.0
RACINE	TEMP.	58.8	3.9	65.6	0.3	72.5	1.5	73.0	3.1	66.6	3.9
	PPP.	3.2	0.2	3.4	-0.2	2.4	-1.5	6.0	2.3	2.3	-1.5
SEYMOUR (GREEN BAY)	TEMP.	60.5	5.0	64.9	0.4	69.4	-0.3	69.5	2.4	63.5	4.5
	PPP.	2.2	-0.6	6.2	2.8	1.9	-1.2	2.9	-0.6	3.5	0.1
SPOONER	TEMP.	63.5	7.6	63.6	-0.9	69.9	0.4	70.5	3.9	64.9	7.3
	PPP.	3.4	0.2	4.4	0.6	1.8	-1.9	3.3	-1.0	1.6	-2.2
VALDERS (MANITOWOC)	TEMP.	60.9	6.8	64.9	1.1	71.1	1.3	70.0	1.7	66.3	5.7
	PPP.	2.3	-0.5	4.6	1.5	1.9	-1.2	7.0	3.7	1.8	-1.6

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

\*\*Ashland's May data is based on incomplete data.

\*\*\*Irrigation applied at Hancock.

### TABLE 3. CHARACTERISTICS OF PUBLIC SOYBEAN VARIETIES

ORIGINATOR	ENTRY	MATUR- ITY GROUP/1	HERB. /2 TOLER.	PERFORMANCE						SEED /4 LUSTER	PRR /5 GENES	GRAIN ANALYSIS		PVP /7
				SHOWN IN TABLES	RE- LEASED	COLOR /3						AVERAGE /6		
						FLOWER	HAIR	POD	HILUM			% PROTEIN	% OIL	
MINNESOTA	GLACIER	00.8	CN	8,9,10	1995	P	TW	BR	Y	I	Rps 6a	34.5	18.4	YES
MINNESOTA	AGASSIZ	0.0	CN	8,9,10	1992	P	G	BR	BF	D	Rps 1a	34.2	19.2	YES
MINNESOTA	MN 0301	0.3	CN	8,9,10	1997	P	G	BR	Y	D	Rps 1a	33.0	19.8	YES
MINNESOTA	LAMBERT	0.8	CN	7,8,9,10	1992	P	G	BR	BF	S	Rps 1a	34.5	19.9	YES
MINNESOTA	MN 91-1137	1.6	CN	6,7,8,10	-	P	G	BR	BF	-	-	34.7	19.6	-
MINNESOTA	MN 1301	1.3	CN	6,7,8,10	1997	W	G	BR	Y	D	Rps 1c	35.2	18.9	YES
MINNESOTA	HODGSON 78	1.4	CN	6,7,10	1978	P	G	BR	BF	D	Rps 1a	34.4	19.6	YES
MINNESOTA	MN 1401	1.4	CN	6,7,8,10	1998	P	TW	T	B	D	Rps 1a	36.1	18.5	YES
MINNESOTA	PARKER	1.5	CN	6,7,8,10	1992	W	G	BR	BF	D	Rps 1a	34.8	19.3	YES
MICHIGAN	TITAN	1.6	CN	6,7,10	1998	P	TW	BR	B	I	None	33.6	19.3	-
IOWA	IA 1006	1.6	CN	6,7,8,10	1996	W	T	BR	B	D	None	34.1	18.8	YES
MINNESOTA	GRANITE	1.8	CN	6,7,8,10	1995	P	G	BR	G	D	Rps 1a	35.6	19.0	YES
IOWA	ARCHER	1.9	CN	6,10	1990	P	G	T	IB	D	Rps 1k,6	33.9	19.3	YES
IOWA	BSR 101	1.9	CN	6,7,8,10	1985	P	G	T	IB	D	Rps 1a	32.4	19.5	NO
IOWA	HARDIN	1.9	CN	6,7,8,10	1980	P	G	BR	Y	D	Rps 1a	33.0	19.9	YES
MINNESOTA	STURDY	2.1	CN	6,7,10	1989	P	G	BR	IB	S	Rps 1a	33.4	19.1	YES
ILLINOIS	CORSOY 79	2.1	CN	6,7,10	1979	P	G	BR	Y	D	Rps 1c	34.4	19.3	NO
IOWA	IA 2008	2.1	CN	6,7,10	1996	W	G	T	BF	D	Rps 1	34.3	18.8	YES
IOWA	IA 2021	2.1	CN	6,7,10	1995	W	TW	BR	B	D	Rps 1k	34.7	19.3	YES
IOWA	IA 2022	2.5	CN	6,10	1992	P	TW	BR	B	D	None	34.7	19.1	YES
ILLINOIS	DWIGHT	2.9	CN	6,10	1998	P	TW	BR	B	D	Rsp 1a	34.9	18.8	NO

1/ Maturity Group as provided by the originator.

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

3/ 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.

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

5/ PRR= Phytophthora Root Rot Resistance: PRR Genes listed designate resistance to PRR Races listed in Introduction. Information provided by the originator.

6/ Grain quality values are from two Wisconsin locations in 1998 and are reported at the 13% moisture level.

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

**TABLE 4. CHARACTERISTICS OF PRIVATE SOYBEAN VARIETIES**

ORIGINATOR/BRAND	ENTRY	MATUR- ITY GROUP/1	HERB. /2 TOLER.	PERFORMANCE			COLOR /3				SEED /4 LUSTER	PRR /5 GENES	GRAIN ANALYSIS		PVP /7
				SHOWN IN TABLES	RE- LEASED	FLOWER	HAIR	POD	HILUM	AVERAGE /6 % PROTEIN			% OIL		
AGRIPRO	AP 1702RR	1.7	RR	7,10	1997	P	G	BR	BR	D	None	32.5	19.4	YES	
	AP 2002RR	2.0	RR	7,11	1997	P	G	T	BR	D	Rps 1c	32.8	19.5	YES	
	AP 2802RR	2.8	RR	6,11	1997	P	G	BR	BR	D	None	34.4	19.7	YES	
ASGROW	A 0868	0.8	CN	7,10	1998	P	TW	T	Y	D	Rps 1k	33.2	19.2	YES	
	AG 0901	0.9	RR	7,10	1999	P	TW	BR	B	D	Rps 1k	34.0	19.9	YES	
	AG 1901	1.9	RR	6,11	1998	P	TW	BR	B	D	Rps 1k	34.3	19.4	YES	
	AG 2101	2.1	RR	6,11	1998	P	TW	T	B	D	Rps 1k	33.3	21.0	YES	
	AG 2301	2.3	RR	6,11	1998	P	TW	T	B	D	Rps 1k	34.8	18.9	YES	
	AG 2501	2.5	RR	6,11	1998	P	G	BR	IP	D	Rps 1k	34.5	19.6	YES	
	A 2553	2.5	CN	6,11	1998	P	GR	BR	IB	D	Rps 1k	34.8	19.6	YES	
	AG 2702	2.7	RR	6,11	1998	P	G	T	IB		Rps 1k	33.8	18.9	YES	
COLE	DE 3057	0.5	CN	9,10		P		BR	Y	M		32.9	19.5	NO	
	DE 3075	0.7	CN	9,10	1997	P	G	BR	Y	M	Rps 1c	35.3	18.9	NO	
	DG 3094	0.9	CN	9,10	1998	P	TW	T	M	D	Rps 1k	35.4	19.3	NO	
	DG 3098RR	0.9	RR	9,10		P	TW	T	B	M		37.4	17.9	NO	
	DG 3113	1.1	CN	8,10								34.5	19.2	NO	
	DG 3115RR	1.1	RR	9,10	1998	P		BR	M	M		33.7	19.1	NO	
	DG 3122	1.2	CN	8,10	1997	W	G	BR	BR	M		34.9	18.8	NO	
	DG 3144	1.4	CN	7, 8,10		W						34.6	19.2	NO	
	DG 3188	1.8	CN	7,8,10	1997	P	TW	BR	M	M		34.9	18.5	NO	
	DG 3192RR	1.9	RR	7,10	1998	P	G	BR	BR	M		34.0	19.2	NO	
	DG 3196	1.9	CN	6,7,8,10	1996	P	TW	T	B	M		35.0	19.5	NO	
	DG 3196RR	1.9	RR	7,10	1998	P	TW	T	BR	M		35.1	19.3	NO	
	DG 3214RR	2.1	RR	6,11	1998	P	G	BR		D	Rps 1c	33.2	19.4	NO	
	DG 3233	2.5	CN	6,11	1997				Y			34.8	19.2	NO	
	DG 3252	2.5	CN	6,11	1998		W	LTW	T	BR	M		35.7	18.5	NO
	DG 3256	2.5	CN	6,11	1996	P	TW	T	BR	M		35.3	19.0	NO	
	DG 3256RR	2.5	RR	6,11	1998	P	TW	T	BR	M		35.6	19.3	NO	
DG 3266RR	2.5	RR	6,11	1998	P	TW	T	BR	M		36.1	18.9	NO		
DG 3282	2.8	CN	6,11		P	TW	BR	B	M		35.5	19.3	NO		
CROPLAN	L1187	1.1	CN	8,10	1997	W	G	BR	B	D	Rps 1k	34.2	18.9	NO	
	L1475	1.4	CN	7,10	1997	P	TW	BR	BR	M	Rps 1a	33.7	19.2	NO	
	L1849	1.8	CN	7,10	1997	P	TW	BR	M		Rps 1k	34.4	19.4	NO	
	L1984	1.9	CN	6,7,10	1996	P	LTW	BR	BR		None	33.8	19.1	NO	

**TABLE 4. CHARACTERISTICS OF PRIVATE SOYBEAN VARIETIES**

ORIGINATOR/BRAND	ENTRY	MATUR- ITY GROUP/1	HERB. /2 TOLER.	PERFORMANCE			COLOR /3				SEED /4 LUSTER	PRR /5 GENES	GRAIN ANALYSIS		PVP /7
				SHOWN IN TABLES	RE- LEASED	FLOWER	HAIR	POD	HILUM	AVERAGE /6 % PROTEIN			% OIL		
	L2779	2.7	CN	6,11	1998	P	TW		B		None	35.1	19.2	NO	
CROW'S	19001	1.9	CN	6,10		P	G	T	BR	D	Rps 1a	32.6	19.0	YES	
	21008	2.1	CN	6,11		P	LTW	T	BR	S	None	35.2	18.6	YES	
	24007	2.4	CN	6,11		W	LTW	T	BR		None	36.0	18.6	YES	
	28003	2.8	CN	6,11		P	TW	BR	B	S	None	35.6	19.1	YES	
DAHLCO	DS 9030	0.3	CN	9,10	1997	P	G	T	Y	M	Rps 1a	33.9	19.3	NO	
	DS 9040	0.4	CN	9,10	1994	P	LTW	BR	BR	S	Rps 1a	34.1	19.3	NO	
	DS 9080	0.8	CN	9,10	1996	P	TW	BR	BR	S	None	33.6	19.2	NO	
	DS 9120	1.2	CN	8,10	1995	W	G	BR	Y	S	Rps 1k	33.7	19.9	NO	
	DS 9140	1.4	CN	8,10	1994	P	TW	BR	B	S	Rps 1k	36.3	18.7	NO	
	DS 9142RR	1.4	RR	8,10	1998	W	TW	BR	B	S	None	33.7	18.9	NO	
	DS 9141	1.5	CN	8,10	1996	P	TW	BR	B	M	Rps 1a	34.6	18.7	NO	
	DS 9150	1.5	CN	8,10	1997	P	TW	BR	B	S	Rps 1k	32.0	20.2	NO	
DS 9190	1.9	CN	7,10	1996	P	TW	T	B	S	None	34.6	19.3	NO		
DAIRYLAND	DSR-065	0.6	CN	8,9,10	1996	P	G	BR	Y		Rps 1c	32.4	19.6	YES	
	DSR-133	1.2	CN	8,10		P	TW	T	B		Rps 1a	34.2	19.0	YES	
	DSR-158	1.5	CN	7,8,10	1997	P	G	BR	IB			33.9	19.4	YES	
	DSR-173	1.5	CN	8,10	1991	P	G	BR	IB		Rps 1a	34.4	19.0	YES	
	DSR-180/STS	1.9	STS	7,10	1997	W	LTW	BR	B			36.1	18.5	YES	
	DSR-182/RR	1.9	RR	7,10	1997	P	TW	M	BR			35.1	18.5	NO	
	DST-2124	2.0	CN	6,7,11	1998	P	G	BR	G			35.9	18.9	YES	
	DSR-215/RR	2.0	RR	6,7,11	1997	P	TW	T	B			35.0	19.1	YES	
	DSR-220/STS	2.4	STS	6,11	1995	P	TW	T	B			34.8	19.0	YES	
	DSR-241/RR	2.4	RR	6,11	1997	P	TW	T	B		Rps 1k	34.4	18.4	YES	
	DSR-246/STS	2.6	STS	6,11	1996	P	TW	T	B			35.4	19.3	YES	
	DST-2333	2.8	CN	6,11	1998	P	LTW	BR	B			34.9	19.1	YES	
	DSR-293/RR	2.8	RR	6,11	1997	P	TW	T	B			36.1	18.6	YES	
	DSR-277	2.8	CN	6,11	1995	P	TW	BR	B			35.2	19.4	YES	
	DST-2332/STS	2.9	STS	6,11	1998	W	TW	T	B			34.2	19.4	YES	
	DSR-250/STS	2.9	STS	6,11		W	TW	T	B			34.6	19.0	YES	
DEKALB	CX 075	0.7	CN	8,10	1998	P	G	T	M	M	Rps 1c	34.6	18.7		
	CX 105	1.0	CN	7,10	1998	P	TW	T	B	D	Rps 1k	33.0	20.0		
	CX 132	1.3	CN	7,10	1997	P	G	T	M	M	Rps 1a	33.6	19.8		

**TABLE 4. CHARACTERISTICS OF PRIVATE SOYBEAN VARIETIES**

ORIGINATOR/BRAND	ENTRY	PERFORMANCE				COLOR /3				SEED /4 LUSTER	PRR /5 GENES	GRAIN ANALYSIS		PVP /7
		MATUR- ITY	HERB. /2 TOLER.	SHOWN IN TABLES	RE- LEASED	FLOWER	HAIR	POD	HILUM			AVERAGE /6		
		GROUP/1										% PROTEIN	% OIL	
	CX 145	1.4	CN	7,8,10	1995	P	LTW	BR	B	S	None	35.3	18.7	
	CX 191RR	1.9	STS	7,10	1998	P	G		M		Rps 1c	32.6	19.3	
	CX 195	1.9	CN	7,10	1998	P	G	BR	M	D	Rps 1k	33.8	19.4	
	CX 196RR	1.9	RR	7,10	1997	P	G		M		None	34.7	18.8	
	CX 205	2.0	CN	7,11	1997	P	G	T	M	D	Rps 1c	35.3	19.0	
	CX 208RR	2.0	RR	6,7,11	1997	P	G		M		Rps 1c	32.3	19.7	
	CX 212	2.1	CN	6,11	1997	W	LTW	T	BR	D	None	35.8	18.5	
	RR2100	2.1	RR	6,11	1998	P	TW		B		None	35.5	19.1	
	CX 230	2.3	CN	6,11	1998	P	TW	T	BR	S	Rps 1k	34.7	19.1	
	CX 232	2.3	CN	6,11	1993	P	TW	BR	BR	D	None	36.2	18.8	
	RR2300	2.3	RR	6,11	1998	P	TW		B		Rps 1k	35.2	18.9	
	CX 253	2.5	CN	6,11	1998	P	G	BR	M	M	Rps 1c	34.2	19.1	
	CX 256RR	2.5	RR	6,11	1998	P	TW		B		None	35.3	19.0	
	CX 257RR	2.5	RR	6,11	1998	P	TW		BR		None	35.1	18.8	
	CX 266RR	2.6	RR	6,11	1997	P	TW		BR		None	35.9	18.5	
	CX 277	2.7	CN	6,11	1998	W	TW	T	B	D	Rps 1c	34.6	18.9	
	CX 285RR	2.8	RR	6,11	1998	P	TW		B		Rps 1k	35.4	18.9	
GARST	D 085	0.8	CN	8,10	1998	P	G		G		Rps 1k	35.0	18.6	YES
	D 142	1.4	CN	8,10	1998	W	TW		Y		None	34.4	18.5	YES
	D 189	1.8	CN	7,10	1998	P	TW		BF		Rps 1k	33.7	19.7	YES
	D 205	2.0	CN	6,7,11	1997	P	TW		B		None	36.3	18.6	YES
	D 224	2.2	CN	6,11	1998	P	TW		Y		Rps 1b	35.3	19.1	YES
	D 265	2.6	CN	6,11	1998	P	TW		BR		None	34.6	19.6	YES
GOLDEN HARVEST	X 094	0.9	CN	8,10	1998	P	LTW	T	M	M	Rps 1c	34.3	19.2	
	X 148	1.4	CN	8,10	1998	P	LTW	M	BR	M		34.7	19.0	
	H 1184	1.8	CN	6,7,10	1995	P	TW	BR	Y	D		33.6	19.2	NO
	H 1187	1.8	CN	7,8,10	1997	P	TW	T	B	M	Rps 1a	34.5	19.0	NO
	H 1190	1.9	CN	8,10	1994	P	TW	T	B	S		35.1	19.2	NO
	X 198RR	1.9	RR	6,7,8,10	1998	P	TW	T	BR	S		35.5	18.8	NO
	X 201	2.0	CN	6,7,11	1998	P	TW	T	B	D	Rps 1c	34.0	19.6	NO
	H 1238RR	2.3	RR	6,11	1997	P	G	BR	Y	M	Rps 1k	35.7	18.2	NO
	X 251	2.4	CN	6,11	1998	W	LTW	T	BR	M		35.6	18.5	NO
	X 259RR	2.5	RR	6,11	1998	P	TW	T	BR	S		36.1	18.5	NO
GREAT LAKES	GL 1872	1.8	CN	6,10	1996	P	TW	BR	T	D	None	33.8	18.9	YES

**TABLE 4. CHARACTERISTICS OF PRIVATE SOYBEAN VARIETIES**

ORIGINATOR/BRAND	ENTRY	PERFORMANCE										GRAIN ANALYSIS		
		MATUR- ITY	HERB. /2 TOLER.	SHOWN IN TABLES	RE- LEASED	COLOR /3				SEED /4	PRR /5	AVERAGE /6		PVP /7
		GROUP/1				FLOWER	HAIR	POD	HILUM	LUSTER	GENES	% PROTEIN	% OIL	
	GL 2334	2.3	CN	6,11	1997	P	LTW	T	BR	D	None	34.1	18.8	
	GL 2451	2.4	CN	6,11	1998	W	LTW	T	BR	D	None	35.5	18.7	YES
GROWMARK	HS 1071	1.0	CN	8,10	1997	P	LTW	T	G		Rps 1c	33.2	19.6	YES
	HISOY 1452	1.4	CN	7,8,10	1996	P	G	BR	G		Rps 1c	34.0	19.7	YES
	RT 1575	1.5	RR	7,8,10	1997	P	TW	T	B	D	None	35.5	19.2	YES
	RT 1985	1.9	RR	7,10	1998	W	LTW	T	B		None	34.5	18.7	YES
	HISOY 215	2.1	CN	11	1997	P	G	BR	G		None	35.4	19.6	YES
	HS 2171	2.1	CN	6,7,11	1997	P	TW	T	B		Rps 1k	33.6	19.7	YES
	RT 2175	2.1	RR	6,7,11	1997	P	TW	BR	B		Rps 1k	36.3	19.2	YES
	HT 2273	2.2	STS	6,11	1998	P	TW	BR	B		Rps 1k	33.6	20.2	YES
	HS 2361	2.3	CN	6,11	1996	P	TW	T	B		Rps 1k	34.8	19.4	YES
	RT 2385	2.3	RR	6,11	1998	P	TW	BR	B		Rps 1k	33.7	19.5	YES
	HS 2561	2.5	CN	6,11	1997	P	TW	BR	BR		Rps 1k	36.3	18.4	YES
GUTWEIN	7243RR	2.4	RR	6,11	1997	P	TW	T	BR		None	34.2	19.5	YES
	7266	2.6	CN	6,11	1997	P	TW	BR	B		None	35.8	19.1	YES
	7288RR		RR	6,11	1998	P	TW	T			Rps 1k	35.8	18.5	YES
HUGHES	198	1.9	CN	6,10		P	TW	BR	Y	S	None	34.2	19.4	NO
	228	2.0	CN	6,11		P	TW	T	B	S	None	34.2	19.5	NO
	227RR	2.2	RR	6,11		P	TW	T	B		None	35.0	19.2	NO
	252	2.5	CN	6,11		P	TW	BR	B	M	None	35.0	19.4	NO
	261RR	2.6	RR	6,11		P	TW	T	B	D	Rg 1k	35.0	19.0	NO
HYTEST	HTS 1700RR	1.7	RR	7,10	1998	P	G	BR	IB	S	Rps 1k	34.9	19.3	NO
	HTS 1910RR	1.9	RR	7,10	1998	P	G	BR	B	S	Rps 1k	34.9	19.3	NO
	HTX 1920	1.9	CN	6,7,10	1998	P	LTW	BR	M	S	None	34.0	18.7	NO
	HTS 2605	2.6	CN	6,11	1998	P	TW	BR	B	S	None	34.6	19.2	NO
	HTX 2910RR	2.9	RR	6,11	1998	P	TW	T	M		None	34.7	19.0	NO
JUNG	1086	0.9	CN	8,10	1995	P	TW	BR	BR	D	None	33.3	20.0	YES
	8140RR	1.4	RR	8,10	1998	P	TW	BR	BR	M	None	31.8	19.9	YES
	TNT 144	1.5	CN	8,10	1994	P	TW	BR	B	M	Rps 1a	33.1	19.7	YES
	1172	1.7	CN	7,10	1998	W	G	T	Y	M	Rps 1c	35.4	18.7	YES
	8177RR	1.7	RR	7,10	1998	P	G	BR	B		Rps 1k	35.4	19.1	YES
	1198	1.9	CN	6,10	1998	P	TW	T	B	M	Rps 1a	33.6	19.4	YES

**TABLE 4. CHARACTERISTICS OF PRIVATE SOYBEAN VARIETIES**

ORIGINATOR/BRAND	ENTRY	MATUR- ITY GROUP/1	HERB. /2 TOLER.	PERFORMANCE			COLOR /3				SEED /4 LUSTER	PRR /5 GENES	GRAIN ANALYSIS		PVP /7
				SHOWN IN TABLES	RE- LEASED	FLOWER	HAIR	POD	HILUM	AVERAGE /6 % PROTEIN			% OIL		
	8221RR	2.2	RR	6,11	1998	P	TW	T	B	M	None	35.4	18.9	YES	
KALTENBERG	KB 090	0.9	CN	8,10	1998	P	LTW	T	B		None	33.3	19.3	NO	
	KB 128	1.2	CN	8,10	1997	P	TW	T	B		Rps 1c	34.5	19.3	NO	
	KB 145	1.4	CN	8,10	1995	P	TW	BR	B		None	34.8	18.8	NO	
	KB 149RR	1.4	RR	8,10	1998	P	LTW	BR	B		None	34.8	18.6	NO	
	KB 169	1.6	CN	7,10	1998	P	TW	T	B		Rps 1a	33.9	18.4	NO	
	KB 180RR	1.8	RR	7,10	1998	P	G	T	B		Rps 1k	34.3	19.2	NO	
	KB 184	1.8	CN	7,10	1994	P	TW	BR	BR		None	34.1	18.8	NO	
	KB 187RR	1.8	RR	7,10	1996	P	TW	T	B		None	33.7	19.3	NO	
	KB 208	2.0	CN	7,11	1997	P	TW	T	BR		None	35.4	18.5	NO	
	KB 209RR	2.0	RR	7,11	1998	P	LTW	T	B		None	36.3	18.3	NO	
	KB 214	2.1	CN	7,11	1994	P	TW	T	BR		None	34.6	19.4	NO	
	KB 215RR	2.1	RR	6,11	1998	P	TW	T	BR		None	35.1	18.9	NO	
	KB 221	2.2	CN	6,11	1998	P	TW	BR	BR		Rps 1k	34.3	19.6	NO	
	KB 228STS	2.2	STS	6,11	1997	P	TW	T	G		None	34.1	19.3	NO	
	KB 241	2.4	CN	6,11		P	TW	T	BR		None	35.1	19.2	NO	
	KB 248	2.4	CN	6,11	1998	W	LTW	T	BR		None	36.1	18.5	NO	
	KB 249RR	2.4	RR	6,11	1998	P	TW	T	BR		None	34.7	19.1	NO	
	KB 259	2.5	CN	6,11	1997	P	TW	BR	BR		None	35.0	19.3	NO	
	KB 268	2.6	CN	6,11	1998	P	TW	BR	B		None	34.5	19.4	NO	
	KB 274	2.7	CN	6,11	1994	P	TW	T	BR		None	35.9	18.7	NO	
KB 289RR	2.8	RR	6,11	1998	P	TW	T	B		Rps 1k	35.2	18.7	NO		
KB 298	2.9	CN	6,11	1997	P	TW	BR	B		None	35.9	18.7	NO		
LATHAM	EX 140	1.2	CN	7,8,10		P	TW	T	BR	M	None	34.8	19.1	NO	
	EX 316RR	1.7	RR	6,7,10		P	TW	T	BR	D	None	34.4	19.5	NO	
	250 BRAND	1.8	CN	6,7,10	1996	P	LTW	BR	BF	D	None	33.1	19.3	NO	
	406RR BRAND	1.8	RR	6,7,10	1998	P	TW	T	B	S	None	36.0	18.9	NO	
	392 BRAND	1.9	CN	6,7,10	1997	W	LTW	T	BR	D	None	34.8	18.8	NO	
	EX 510	2.1	CN	6,11		P	TW	T	Y	S	None	35.8	18.2	NO	
	590 BRAND	2.3	CN	6,11	1996	W	TW	T	BR	D	None	35.0	18.9	NO	
	EX 640	2.3	CN	6,11	1998	W	TW	T	BR	D	None	36.6	18.4	NO	
LEMKE	090		CN	8,10	1996	P	TW	BR	BR		None	33.6	19.8	YES	
	160		CN	8,10	1996	P	TW	T	B		RGIC	34.0	19.2	YES	
	220		CN	7,11	1995	P	TW	T	B		None	34.2	19.2		

**TABLE 4. CHARACTERISTICS OF PRIVATE SOYBEAN VARIETIES**

ORIGINATOR/BRAND	ENTRY	MATUR- ITY GROUP/1	HERB. /2 TOLER.	PERFORMANCE			COLOR /3				SEED /4 LUSTER	PRR /5 GENES	GRAIN ANALYSIS		PVP /7
				SHOWN IN TABLES	RE- LEASED	FLOWER	HAIR	POD	HILUM	AVERAGE /6 % PROTEIN			% OIL		
LG SEED	LG6091	0.9	CN	8,10	1995	P	TW	BR	BR	S	Highly tol	32.7	20.1	NO	
	LG6145	1.4	CN	8,10	1996	P	TW	BR	B	S	Highly tol	34.3	19.0	NO	
	LG6192	1.9	CN	7,10	1997	P	G	T	BR	D	Rps 1c	32.8	18.7	NO	
	LG6212	2.1	CN	6,11	1995	W	TW	T	BR	D	tol	36.3	18.2	NO	
	LG6245	2.4	CN	6,11	1997	P	TW	T	BR	D	None	35.0	18.6	NO	
MALLARD	0910	1.0	CN	8,9,10	1997	P	G	BR	Y		None	34.8	19.2	YES	
	0960	1.4	CN	8,10	1996	P	G	BR	M		None	34.5	18.8	YES	
	1060	1.9	CN	7,10	1996	P	G	T	M		Rps 1c	32.5	18.9	YES	
	1070	1.9	CN	7,10	1998						None	34.7	18.5	YES	
MARK	MRK 9519	1.9	CN	6,10	1995	P	LTW	BR	Y	M	None	33.9	19.0	YES	
	MRK 9921RR	2.1	RR	6,11	1999	P	TW	T	B	M	None	35.7	18.9	YES	
	MRK 9824	2.4	CN	6,11	1998	P	G	BR	Y	M	None	34.2	19.3	YES	
	MRK 9825	2.5	CN	6,11	1998	P	TW	BR	B	D	T	34.8	19.3	YES	
	MRK 9926RR	2.6	RR	6,11	1999	P	TW	T	B	M	None	35.5	18.5	YES	
	MRK 9727-5	2.6	CN	6,11	1997	M	TW	T	M	M	Rps 1k	34.9	18.8	YES	
	MRK 9927	2.7	CN	6,11	1999	P	TW	BR	B	M	None	35.7	19.0	YES	
MIDWEST	G 1400	1.4	CN	8,10	1995	P	G	BR	BF	D		35.3	18.4	YES	
	G 1885	1.8	CN	7,10	1994	P	LTW	BR	BR	D		33.8	18.9	YES	
	G 1998RR	1.9	RR	7,10	1998	W	LTW	T	M	D		34.9	18.8	YES	
	G 2044RR	2.0	RR	7,11	1998	P	TW	T	B	D		35.9	18.8	YES	
	G 2210RR	2.2	RR	6,11	1998	P	LTW	T	B	D		36.1	18.5	YES	
	G 2380	2.3	CN	6,11	1998	W	LTW	T	BR	D		35.5	18.7	YES	
	G 2445RR	2.4	RR	6,11	1998	P	TW	T	BR	D		34.8	19.3	YES	
	G 2711	2.7	CN	6,11	1998	P	TW	BR	B	D		35.6	19.1	YES	
MYCOGEN	200	2.1	CN	7,11	1995	P	TW	T	B		None	34.9	19.2	YES	
	J-251	2.4	CN	6,11	1991	P	TW	T	BR		None	35.7	18.7	YES	
	5261	2.6	CN	6,11	1998	P	G	BR	IB		None	34.6	19.1	YES	
NK BRAND (NOVARTIS SEEDS)	S05-D5	0.4	CN	8,10	1998	P	TW	T	Y		Rps 1k	32.4	19.2	YES	
	S08-80	0.8	CN	8,10	1996	P	TW	T	Y	D	Rps 1c	33.6	19.5	YES	
	S12-49	1.2	CN	8,10	1995	P	TW	T	G	D	Rps 1c	33.7	18.8	YES	
	S14-M7	1.4	RR	8,10	1998	P	TW	T	G	D	Rps 1c	34.5	19.3	YES	

**TABLE 4. CHARACTERISTICS OF PRIVATE SOYBEAN VARIETIES**

ORIGINATOR/BRAND	ENTRY	MATUR- ITY GROUP/1	HERB. /2 TOLER.	PERFORMANCE			COLOR /3				SEED /4 LUSTER	PRR /5 GENES	GRAIN ANALYSIS		PVP /7
				SHOWN IN TABLES	RE- LEASED	FLOWER	HAIR	POD	HILUM	AVERAGE /6 % PROTEIN			% OIL		
	S19-90	1.9	CN	6,7,11	1987	P	TW	T	G	D	Rps 1c	35.0	18.8	YES	
	S20-B9	2.0	RR	6,7,11	1998	P	TW	T	G	D	Rps 1c	34.9	18.9	YES	
	S20-91	2.0	CN	6,7,11	1995	P	TW	T	G	D	Rps 1c	34.7	18.8	YES	
	S21-A1	2.1	CN	6,7,11	1998	P	G	T	B		Rps 1k	34.4	19.7	YES	
	S22-C3	2.2	CN	6,7,11	1998	W	TW	T	BR		Rps 1c, 3	34.8	19.2	YES	
	S22-N2	2.2	RR	6,7,11	1998	P	G	BR	B		None	34.5	19.3	YES	
	S24-92	2.4	CN	6,11	1992	P	TW	BR	B	D	None	36.5	18.9	YES	
OBIEN	OSOY 108RR	1.8	RR	7,10	1998	P	M	T	BR	M	Rps 1k	36.0	18.9	NO	
	OSOY 204RR	2.4	RR	6,11	1998	M	TW	M	BR	M	Rps 1k	35.6	18.9	NO	
PIONEER	90B21	0.2	CN	8,9,10	1998	P	G	BR	BR	D	Rps 1k	34.0	19.4	YES	
	9071	0.7	CN	8,9,10	1992	P	G	BR	Y	D	Rps 1c	32.8	19.5	YES	
	91B01	1.0	CN	8,10	1997	P	TW	T	B	D	Rps 1k	31.9	20.4	YES	
	9163	1.6	CN	7,8,10	1995	P	G	BR	Y	D	Rps 1c	33.5	19.4	YES	
	9172	1.7	CN	7,10	1995	P	TW	BR	B	D	Rps 1k	34.0	19.0	YES	
	91B91	1.9	RR	7,10	1997	P	TW	T	B	D	None	34.4	19.1	YES	
	92B01	2.0	RR	6,7,11	1997	P	TW	T	B	D	None	35.5	18.6	YES	
	92B05	2.0	RR	6,7,11	1998	P	TW	T	BR	D	Rps 1k	34.3	19.2	YES	
	92B21	2.2	RR	6,11	1997	W	TW	T	BR	S	None	34.8	19.3	YES	
	92B23	2.2	CN	6,7,11	1998	P	G	BR	BR	D		34.0	19.5	YES	
	92B52	2.5	CN	6,11	1997	P	LTW	BR	BR	D	None	34.6	19.2	YES	
	92B61	2.6	CN	6,11	1997	P	TW	BR	B	D	Rps 1k	35.1	19.2	YES	
	92B71	2.7	RR	6,11	1997	W	TW	T	BR	D	None	33.2	19.2	YES	
PROFISEED	PS 4190	1.9	RR	6,10	1998	W	LTW	T	M	D	None	34.6	18.9	NO	
PROGRAIN	OAC VISION	0.0	CN	9,10	1991	P	TW	T	Y	D	None	37.2	17.6	NO	
	KORADA	0.1	CN	8,9,10	1993	P	TW	T	Y	D	Rps 1c	34.2	18.6	NO	
RAMY/ LA CROSSE	2195	2.0	CN	6,11	1996	W	TW	T	BR	D	None	34.8	18.7	YES	
	2550	2.5	CN	6,11	1997	P	TW	T	BR		None	35.4	18.6	YES	
RENK	RS 0798	0.7	CN	8,9,10	1998	P	G	BR	BR	M	Rps 1a	33.7	20.2	YES	
	RS 0995	0.9	CN	8,10	1995	P	TW	BR	BR	M	None	34.0	19.4	YES	
	RS 1498	1.4	CN	8,10	1998	P	TW	T	BR	M	None	34.7	19.0	YES	
	RS 1896	1.8	CN	7,10	1996	P	TW	T	B	M	None	33.7	19.5	YES	

**TABLE 4. CHARACTERISTICS OF PRIVATE SOYBEAN VARIETIES**

ORIGINATOR/BRAND	ENTRY	PERFORMANCE				COLOR /3				SEED /4	PRR /5	GRAIN ANALYSIS		PVP /7
		MATUR- ITY	HERB. /2	SHOWN IN	RE- LEASED	FLOWER	HAIR	POD	HILUM			AVERAGE /6		
		GROUP/1	TOLER.	TABLES	% PROTEIN							% OIL		
	RS 198RR	1.9	RR	7,10	1998	P	TW	T	B	M	None	34.8	19.3	YES
	RS 208RR	2.0	RR	6,7,11	1998	W	TW	T	BR	M	None	34.9	18.6	YES
	RS 2098	2.0	CN	6,7,11	1998							34.6	19.0	YES
	RS 2394	2.3	CN	6,11	1994	P	G	BR	Y	M	Rps 1a	34.7	19.5	YES
	RS 248RR	2.4	RR	6,11	1998	P	TW	T	B	M	None	34.8	19.1	YES
	RS 2498	2.4	CN	6,11	1998	W	TW	T	BR	M	None	36.3	18.6	YES
	RS 2797	2.7	CN	6,11	1997	P	TW	BR	B	M	None	35.8	19.0	YES
SHEPHERD	SB 190YRR	1.9	RR	7,10	1999	P	G	T	Y		Rps 1k			YES
	SB 210YRR	2.1	RR	6,11	1999	P	G	BR	IB		Rps 1k			YES
	SB 260YRR	2.5	RR	6,11	1999	P	TW	T	BF		Rps 1k			YES
	SB 280YRR	2.5	RR	6,11		P	G	BR	BF		None			
SPANGLER	SPANSOY 088	0.8	CN	8,10	1995	P	TW	BR	BR	D	None	34.4	19.6	NO
	SPANSOY 149RR	1.4	RR	8,10	1999		TW	BR	BR		Field tol.	32.5	19.9	YES
	SPANSOY 169RR	1.6	RR	7,10	1999	P	TW	M	BR	M	Field tol.	35.3	19.0	YES
	SPANSOY 189RR	1.8	RR	7,10	1999	P	TW	M	BR	M	Field tol.	35.1	18.6	YES
	SPANSOY 207	2.0	CN	7,11	1997	P	TW	T	B		Rps 1a	34.0	19.5	NO
	SPANSOY 228RR	2.2	RR	6,11	1998	P	TW	T	B		Field tol.	36.0	18.8	YES
	SPANSOY 249RR	2.4	RR	6,11	1999	P	TW	T	B		RG1k 1.7	35.5	18.8	YES
	SPANSOY 250	2.5	CN	6,11	1995	P	TW	BR	B	D	Field tol.	35.6	19.2	NO
STINE	0990-4	0.9	RR	8,10	1998	W	LTW	T	M		None	35.1	19.0	NO
	1386-6	1.3	CN	7,8,10	1997	P	TW	T	BR	D	None	36.0	18.6	NO
	1486	1.4	CN	7,8,10	1998	P	LTW	BR	B	S	None	36.1	18.4	NO
	1496-4	1.4	RR	7,8,10	1998	P	LTW	BR	B		None	34.3	19.0	NO
	X1794	1.7	RR	7,10	1998	P	G	BR	B		None	34.7	19.5	NO
	1980-4	1.9	RR	6,7,10	1998	P	TW	T	BR		None	34.9	19.2	NO
	1991-4	1.9	RR	7,10	1998	W	LTW	T	B		None	35.0	18.5	NO
	2091-4	2.0	RR	6,11	1998	W	LTW	T	M		None	35.1	18.6	NO
	2500	2.0	CN	6,7,11	1995	P	LTW	BR	Y	D	None	34.3	18.8	NO
	2298-4	2.2	RR	6,11	1998	P	TW	T	BR		None	36.1	18.6	NO
	2499-0	2.4	CN	6,11	1997	W	LTW	T	BR	D	None	34.8	18.8	NO
	2490-1	2.4	CN	6,11	1998	P	G	BR	BR	D	None	34.5	19.1	NO
	2686	2.6	CN	6,11	1997	P	G	BR	Y	D	None	34.2	19.4	NO
	2698-4	2.6	RR	6,11	1998	P	TW	T	BR		None	34.8	19.0	NO
	2788	2.7	CN	6,11	1997	P	TW	BR	B	D	None	35.2	19.2	NO

**TABLE 4. CHARACTERISTICS OF PRIVATE SOYBEAN VARIETIES**

ORIGINATOR/BRAND	ENTRY	MATUR- ITY GROUP/1	HERB. /2 TOLER.	PERFORMANCE			COLOR /3				SEED /4 LUSTER	PRR /5 GENES	GRAIN ANALYSIS		PVP /7
				SHOWN IN TABLES	RE- LEASED	FLOWER	HAIR	POD	HILUM	AVERAGE /6 % PROTEIN			% OIL		
	2993-4	2.9	RR	6,11	1998	P	TW	T	B		None	35.0	18.5	NO	
TERRA	E098	0.9	CN	9,10	1998	P	LTW	T	B		None	34.4	18.9	YES	
	TS107	1.0	CN	8,9,10	1997	P	LTW	T			Rps 1c	34.1	19.3	YES	
	E1181RR	1.1	RR	8,9,10	1998	P	LTW	BR	M		None	34.5	19.1	YES	
	E1481RR	1.4	RR	7,8,10	1998	P	LTW	BR	B		None	35.1	18.5	YES	
	E158	1.5	CN	8,10	1998	P	LTW	T	BR		None	34.7	19.2	YES	
	E1980RR	1.9	RR	6,7,10	1998	W	LTW	T	B			34.8	18.7	YES	
	E2181RR	2.1	RR	6,7,11	1998	P	LTW	T	B		None	35.5	18.6	YES	
	E248	2.4	CN	6,11	1988	W	LTW	T	BR		None	35.1	18.6	YES	
	TS253RR	2.5	RR	6,11	1997	P	TW	T	B		None	35.5	18.5	YES	
	TS277	2.7	CN	6,11	1997	P	TW	BR	B		None	34.7	19.1	YES	
	E2880RR	2.8	RR	6,11	1998	P	TW	T	B		Rps 1k	35.3	18.7	YES	
TOP FARM	TF 6056	0.5	CN	8,10	1996	P	G	T	B	D	None	35.5	18.7	NO	
	TF 6078	0.7	CN	8,10	1999	P	G	BR	BR	D	Rps 1a	34.4	19.8	NO	
	TF 6188	1.8	CN	7,10	1998	P	G	T	Y	D	Rps 1c	32.8	18.7	NO	
	TF 6197	1.9	CN	7,10	1997	P	TW	BR	B	D	None	34.2	19.2	NO	
TRELAY	095	0.9	CN	8,9,10	1995	P	TW	BR	BR		None	33.0	19.8	NO	
	128	1.2	CN	8,10	1998		TW	BR	B		None	33.6	19.6	NO	
	168	1.6	CN	7,10	1998	P	TW	T	B		Rps 1c	32.9	19.5	NO	
	2172	1.7	RR	7,10	1998	P	G		B		None	34.1	19.9	NO	
	207	2.0	CN	6,7,11	1997	P	LTW	BR	BR		None	35.0	18.6	NO	
	2211	2.1	RR	6,7,11	1998	P	TW	T	B		None	35.5	18.9	NO	
	248	2.4	CN	6,7,11	1998	W	LTW		B		None	36.1	18.3	NO	
	268	2.6	CN	6,11	1998	P	TW		B		None	35.3	19.0	NO	

1/ Maturity Group as provided by the originator.

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

3/ 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.

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

5/ PRR= Phytophthora Root Rot Resistance: PRR Genes listed designate resistance to PRR Races listed in Introduction. Information provided by the originator.

6/ Grain quality values are from two Wisconsin locations in 1998 and are reported at the 13% moisture level. Analysis for missing values in progress.

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

**TABLE 5. SEED SOURCES FOR PRIVATE SOYBEAN ENTRIES IN 1998.**

Brand	Company Name	Address	Phone
AGRIPRO	AGRIPRO SEEDS, INC.	824 2nd Street South, Brookings, SD 57006	507-932-5769
ASGROW	ASGROW SEED CO.	P.O. Box 7570, Des Moines, IA 50322	507-524-3450
COLE	COLE GROWER SERVICE	537 Atlas Ave., Madison, WI 53714	608-221-6211
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
DEKALB	DEKALB GENETICS CORP.	3100 Sycamore Rd., Dekalb, IL 60115	815-758-9323
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
GREAT LAKES	GREAT LAKES HYBRIDS, INC.	9915 W. M-21, Ovid, MI 48866	800-257-7333
GROWMARK	GROWMARK, INC.	1701 Towanda Ave., Bloomington, IL 61701	309-557-6399
GUTWEIN	GUTWEIN SEEDS	Route 1 Box 40, Francesville, IN 47946	219-567-9141
HUGHES	HUGHES SEED FARMS, INC.	206 N. Hughes Road, Woodstock, IL 60098	815-338-2480
HYTEST	AGRIBIOTECH, INC.	120 Corporate Park Drive, Henderson, NV 89014	702-566-2440
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.	2622 Blaney Road, Madison, WI 53711	608-271-4644
O'BRIEN	O'BRIEN HYBRIDS	408 Glenway Road, Brooklyn, WI 53521	608-455-6615
PIONEER	PIONEER HI-BRED INTL, INC.	414 D'Onofrio Dr, Suite 200, Madison, WI 53719	608-833-3737
PROFISEED	PROFISEED, INC.	1691 Highway 65, Hampton, IA 50441	515-456-4751
PROGRAIN	SEMENCE PROGRAIN	145 Bas Riviere Nord, St. Cesaire Que Canada JOL1TO	450-469-5744
RAMY/LA CROSSE	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
SHEPHERD	SHEPHERD SEEDS	535 Middle Rd., South Beloit, IL 61080	800-382-2676
SPANGLER	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
TERRA	TERRA INTERNATIONAL, INC.	600 4th St. P.O. Box 6000, Sioux City, IA 51102	712-233-3609
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

**TABLE 6. SOUTHERN REGION SOYBEAN TEST**

1998 Performance of Public and Commercial Entries at Three Southern Wisconsin Locations.

ARL=ARLINGTON, JAN=JANESVILLE, RAC=RACINE

Originator/Brand	Entry	Matur- ity Group	Herb. Toler. **	1998 Yields			1998 3-Test Average				1997-98 6-Test Yields			1997-98 6-Test Ave.			
				ARL	JAN	RAC	Yield	Lod.	Height	Matur- ity	ARL	JAN	RAC	Yield	Lod.	Height	Matur- ity
				----- Bu/A-----			1-5	In	Date	----- Bu/A-----			1-5	In	Date		
PUBLIC	MN 1301	1.3	CN	57	56	55	<b>56</b>	2.6	35	09-Sep	<b>51</b>	<b>54</b>	<b>54</b>	<b>53</b>	2.5	34	11-Sep
PUBLIC	HODGSON 78	1.4	CN	57	52	47	<b>52</b>	3.5	35	11-Sep	<b>46</b>	<b>52</b>	<b>48</b>	<b>49</b>	3.4	35	11-Sep
PUBLIC	MN 1401	1.4	CN	67	66	60	<b>64</b>	2.3	36	13-Sep	<b>57</b>	<b>63</b>	<b>54</b>	<b>58</b>	2.0	35	15-Sep
PUBLIC	PARKER	1.5	CN	61	59	55	<b>58</b>	3.2	35	11-Sep	<b>55</b>	<b>59</b>	<b>54</b>	<b>56</b>	3.1	35	12-Sep
PUBLIC	IA 1006	1.6	CN	69	67	61	<b>66</b>	3.3	37	16-Sep							
PUBLIC	MN91-1137	1.6	CN	68	66	58	<b>64</b>	3.0	37	14-Sep							
PUBLIC	TITAN	1.6	CN	63	70	63	<b>65</b>	2.0	34	16-Sep							
PUBLIC	GRANITE	1.8	CN	69	70	61	<b>67</b>	3.1	37	18-Sep	* <b>63</b>	<b>68</b>	<b>58</b>	<b>63</b>	2.6	36	19-Sep
PUBLIC	ARCHER	1.9	CN	64	66	58	<b>63</b>	2.7	38	16-Sep	<b>58</b>	<b>64</b>	<b>57</b>	<b>60</b>	2.4	36	19-Sep
PUBLIC	BSR 101	1.9	CN	65	64	58	<b>62</b>	2.5	35	17-Sep	<b>59</b>	<b>62</b>	<b>55</b>	<b>59</b>	2.3	33	19-Sep
PUBLIC	HARDIN	1.9	CN	60	64	59	<b>61</b>	3.8	35	11-Sep	<b>52</b>	<b>63</b>	<b>55</b>	<b>57</b>	3.3	34	12-Sep
PUBLIC	STURDY	2.0	CN	58	70	61	<b>63</b>	2.5	35	17-Sep	<b>51</b>	<b>64</b>	<b>58</b>	<b>58</b>	2.8	34	17-Sep
PUBLIC	CORSOY 79	2.1	CN	57	63	60	<b>60</b>	3.8	39	14-Sep	<b>51</b>	<b>60</b>	<b>56</b>	<b>56</b>	3.4	37	16-Sep
PUBLIC	IA 2008	2.1	CN	70	69	66	<b>68</b>	3.0	38	20-Sep							
PUBLIC	IA 2021	2.1	CN	66	68	66	<b>67</b>	2.8	34	16-Sep							
PUBLIC	IA 2022	2.5	CN	68	69	61	<b>66</b>	2.2	39	22-Sep							
PUBLIC	DWIGHT	2.9	CN	71	* 81	64	<b>72</b>	2.2	34	23-Sep							
AGRIPRO	AP 2802RR	2.8	RR	67	74	59	<b>67</b>	1.3	34	21-Sep							
ASGROW	AG 1901	1.9	RR	69	73	62	<b>68</b>	2.4	38	15-Sep	<b>62</b>	<b>68</b>	<b>59</b>	<b>63</b>	2.3	37	17-Sep
ASGROW	AG 2101	2.1	RR	* 73	77	60	<b>70</b>	1.3	34	16-Sep	* <b>65</b>	<b>72</b>	<b>61</b>	<b>66</b>	1.3	33	19-Sep
ASGROW	AG 2301	2.3	RR	* 77	77	65	<b>73</b>	1.8	36	19-Sep	* <b>67</b>	* <b>75</b>	<b>62</b>	<b>68</b>	1.7	35	22-Sep
ASGROW	A 2553	2.5	CN	71	* 86	* 75	* <b>77</b>	1.9	32	22-Sep							
ASGROW	AG 2501	2.5	RR	68	75	66	<b>70</b>	1.5	34	18-Sep	<b>60</b>	<b>73</b>	<b>63</b>	<b>65</b>	1.4	32	21-Sep
ASGROW	AG 2702	2.7	RR	68	73	67	<b>69</b>	2.4	41	26-Sep							
COLE	DYNA-GRO 3196	1.9	CN	* 73	77	65	<b>72</b>	1.7	32	15-Sep	* <b>65</b>	<b>72</b>	<b>63</b>	<b>67</b>	1.6	31	18-Sep
COLE	DYNA-GRO 3214RR	2.1	RR	68	72	61	<b>67</b>	3.1	37	18-Sep							
COLE	DYNA-GRO 3233	2.5	CN	65	70	64	<b>66</b>	2.5	40	20-Sep							
COLE	DYNA-GRO 3252	2.5	CN	* 72	* 83	67	* <b>74</b>	1.7	34	22-Sep							
COLE	DYNA-GRO 3256	2.5	CN	* 72	* 82	69	* <b>74</b>	1.8	34	18-Sep	* <b>63</b>	* <b>75</b>	<b>65</b>	<b>68</b>	1.8	32	23-Sep
COLE	DYNA-GRO 3256RR	2.5	RR	65	76	64	<b>68</b>	1.6	37	19-Sep							
COLE	DYNA-GRO 3266RR	2.5	RR	71	* 82	66	<b>73</b>	1.4	35	23-Sep							
COLE	DYNA-GRO 3282	2.8	CN	* 73	75	* 71	<b>73</b>	2.6	35	21-Sep							
CROPLAN	L1984	1.9	CN	71	71	67	<b>70</b>	2.6	32	15-Sep	<b>61</b>	<b>67</b>	<b>65</b>	<b>64</b>	2.4	32	17-Sep
CROPLAN	L2779	2.7	CN	67	72	68	<b>69</b>	2.5	33	20-Sep							
CROW	19001	1.9	CN	71	72	65	<b>69</b>	2.3	34	19-Sep							
CROW	21008	2.1	CN	* 72	* 81	61	<b>71</b>	2.2	31	17-Sep							

CONTINUED

**TABLE 6. SOUTHERN REGION SOYBEAN TEST**

1998 Performance of Public and Commercial Entries at Three Southern Wisconsin Locations.

ARL=ARLINGTON, JAN=JANESVILLE, RAC=RACINE

Originator/Brand	Entry	Matur-ity Group	Herb. Toler. **	1998 Yields			1998 3-Test Average				1997-98 6-Test Yields			1997-98 6-Test Ave.			
				ARL	JAN	RAC	Yield	Lod.	Height	Matur-ity	ARL	JAN	RAC	Yield	Lod.	Height	Matur-ity
				----- Bu/A-----			1-5	In	Date	----- Bu/A-----			1-5	In	Date		
CROW	24007	2.4	CN	* 74	77	67	<b>73</b>	1.6	34	23-Sep							
CROW	28003	2.8	CN	* 72	* 81	67	<b>73</b>	2.4	34	21-Sep							
DAIRYLAND	DSR-215/RR	2.0	RR	70	78	60	<b>69</b>	1.7	37	15-Sep	* 63	* 74	57	<b>65</b>	1.5	36	18-Sep
DAIRYLAND	DST2124	2.0	CN	* 77	77	64	<b>73</b>	1.5	35	18-Sep							
DAIRYLAND	DSR-220/STS	2.4	STS	67	70	64	<b>67</b>	2.7	37	20-Sep	<b>62</b>	<b>67</b>	<b>61</b>	<b>63</b>	2.7	36	23-Sep
DAIRYLAND	DSR-241/RR	2.4	RR	69	74	63	<b>69</b>	1.3	32	15-Sep	<b>60</b>	<b>71</b>	<b>63</b>	<b>65</b>	1.3	31	20-Sep
DAIRYLAND	DSR-246/STS	2.6	STS	67	65	66	<b>66</b>	2.1	34	21-Sep	<b>57</b>	<b>64</b>	<b>60</b>	<b>60</b>	2.1	32	24-Sep
DAIRYLAND	DSR-277	2.8	CN	70	77	67	<b>71</b>	2.0	36	22-Sep	* 66	* 75	<b>66</b>	* 69	1.9	35	27-Sep
DAIRYLAND	DSR-293/RR	2.8	RR	68	75	62	<b>68</b>	1.9	38	22-Sep	<b>60</b>	<b>72</b>	<b>61</b>	<b>64</b>	1.9	38	26-Sep
DAIRYLAND	DST2333	2.8	CN	71	77	* 71	<b>73</b>	2.7	34	21-Sep							
DAIRYLAND	DSR-250/STS	2.9	STS	63	75	65	<b>68</b>	1.8	35	22-Sep							
DAIRYLAND	DST2332STS	2.9	STS	70	76	68	<b>71</b>	2.3	38	24-Sep							
DEKALB	CX 208RR	2.0	RR	67	73	65	<b>68</b>	3.0	38	18-Sep							
DEKALB	CX 212	2.1	CN	* 76	* 81	62	<b>73</b>	1.7	33	22-Sep	* 65	* 75	<b>61</b>	<b>67</b>	1.7	33	24-Sep
DEKALB	RR 2100	2.1	RR	70	72	59	<b>67</b>	1.7	35	15-Sep							
DEKALB	CX 230	2.3	CN	66	74	66	<b>69</b>	2.0	35	17-Sep							
DEKALB	CX 232	2.3	CN	69	* 80	67	<b>72</b>	1.8	32	16-Sep	* 64	* 74	<b>63</b>	<b>67</b>	1.8	32	19-Sep
DEKALB	RR 2300	2.3	RR	68	78	69	<b>72</b>	1.3	32	14-Sep							
DEKALB	CX 253	2.5	CN	71	* 86	70	* 76	1.6	36	20-Sep							
DEKALB	CX 256RR	2.5	RR	68	65	63	<b>65</b>	1.5	36	19-Sep							
DEKALB	CX 257RR	2.5	RR	* 72	72	63	<b>69</b>	2.3	36	19-Sep							
DEKALB	CX 266RR	2.6	RR	70	69	61	<b>67</b>	2.6	37	20-Sep							
DEKALB	CX 277	2.7	CN	69	79	70	<b>73</b>	2.3	34	24-Sep							
DEKALB	CX 285RR	2.8	RR	66	71	70	<b>69</b>	2.4	37	23-Sep							
GARST	D 205	2.0	CN	63	73	55	<b>64</b>	1.7	30	14-Sep							
GARST	D 224	2.2	CN	66	71	69	<b>69</b>	2.4	30	14-Sep							
GARST	D 265	2.6	CN	68	68	70	<b>69</b>	2.5	34	19-Sep	<b>62</b>	<b>68</b>	<b>66</b>	<b>65</b>	2.3	32	23-Sep
GOLDEN HARVEST	H-1184	1.8	CN	66	67	62	<b>65</b>	2.5	33	14-Sep	<b>60</b>	<b>67</b>	<b>61</b>	<b>63</b>	2.3	32	18-Sep
GOLDEN HARVEST	X 198RR	1.9	RR	69	77	65	<b>70</b>	1.5	34	18-Sep							
GOLDEN HARVEST	X 201	2.0	CN	66	66	64	<b>65</b>	2.5	35	15-Sep							
GOLDEN HARVEST	H-1238RR	2.3	RR	67	71	64	<b>67</b>	1.7	35	17-Sep							
GOLDEN HARVEST	X 251	2.4	CN	* 73	* 83	* 72	* 76	1.5	34	23-Sep							
GOLDEN HARVEST	X 259RR	2.5	RR	63	75	62	<b>67</b>	1.3	35	20-Sep							
GREAT LAKES	GL 1872	1.8	CN	* 72	64	66	<b>67</b>	2.4	32	14-Sep	* 64	<b>65</b>	<b>64</b>	<b>64</b>	2.3	32	17-Sep
GREAT LAKES	GL 2334	2.3	CN	* 73	79	58	<b>70</b>	1.9	32	16-Sep	* 64	* 74	<b>60</b>	<b>66</b>	2.0	32	20-Sep
GREAT LAKES	GL 2451	2.4	CN	71	* 85	68	* 75	1.8	35	23-Sep							
GROWMARK	HS 2171	2.1	CN	70	76	65	<b>70</b>	1.5	34	17-Sep	<b>62</b>	* 74	<b>63</b>	<b>66</b>	1.8	32	17-Sep
GROWMARK	RT 2175	2.1	RR	* 72	73	61	<b>69</b>	1.8	33	16-Sep							

CONTINUED

**TABLE 6. SOUTHERN REGION SOYBEAN TEST**

1998 Performance of Public and Commercial Entries at Three Southern Wisconsin Locations.

ARL=ARLINGTON, JAN=JANESVILLE, RAC=RACINE

Originator/Brand	Entry	Matur-ity Group	Herb. Toler. **	1998 Yields			1998 3-Test Average				1997-98 6-Test Yields			1997-98 6-Test Ave.			
				ARL	JAN	RAC	Yield	Lod.	Height	Matur-ity	ARL	JAN	RAC	Yield	Lod.	Height	Matur-ity
				----- Bu/A-----							----- Bu/A-----						
							1-5	In	Date				1-5	In	Date		
GROWMARK	HT 2273	2.2	CN	65	73	59	<b>66</b>	1.9	33	19-Sep							
GROWMARK	HS 2361	2.3	CN	* 72	* 83	69	<b>* 75</b>	1.6	32	18-Sep	<b>* 65</b>	<b>* 77</b>	<b>* 67</b>	<b>* 70</b>	1.5	31	21-Sep
GROWMARK	RT 2385	2.3	RR	66	79	62	<b>69</b>	1.8	39	20-Sep							
GROWMARK	HS 2561	2.5	CN	* 75	79	63	<b>72</b>	1.9	36	20-Sep	<b>* 67</b>	<b>* 76</b>	<b>63</b>	<b>* 69</b>	1.8	35	23-Sep
GUTWEIN	7243RR	2.4	RR	69	68	64	<b>67</b>	2.7	39	18-Sep							
GUTWEIN	7266	2.6	CN	* 73	* 80	* 74	<b>* 76</b>	2.7	34	22-Sep	<b>* 65</b>	<b>* 76</b>	<b>* 71</b>	<b>* 71</b>	2.3	33	25-Sep
GUTWEIN	7288RR	2.8	RR	65	70	69	<b>68</b>	2.6	38	23-Sep							
HUGHES	198	1.9	CN	* 73	77	61	<b>70</b>	2.8	36	16-Sep	<b>* 65</b>	<b>71</b>	<b>60</b>	<b>65</b>	2.5	35	20-Sep
HUGHES	228	2.0	CN	69	77	56	<b>67</b>	2.4	37	19-Sep	<b>62</b>	<b>71</b>	<b>59</b>	<b>64</b>	2.3	36	22-Sep
HUGHES	227RR	2.2	RR	70	73	60	<b>68</b>	1.5	36	16-Sep							
HUGHES	252	2.5	CN	* 72	* 80	61	<b>71</b>	2.2	42	25-Sep	<b>* 65</b>	<b>* 75</b>	<b>61</b>	<b>67</b>	2.0	41	28-Sep
HUGHES	261RR	2.6	RR	* 72	74	65	<b>70</b>	1.1	33	18-Sep							
HYTEST	HTX 1920	1.9	CN	70	74	58	<b>67</b>	2.6	34	14-Sep							
HYTEST	HTS 2605	2.6	CN	* 73	73	* 75	<b>* 74</b>	2.5	34	22-Sep							
HYTEST	HTX 2910RR	2.9	RR	66	76	* 71	<b>71</b>	2.1	40	26-Sep							
JUNG	1198	1.9	CN	* 75	78	59	<b>71</b>	2.7	34	15-Sep							
JUNG	8221RR	2.2	RR	* 72	71	63	<b>69</b>	1.9	36	15-Sep							
KALTENBERG	KB 214	2.1	CN	67	74	65	<b>69</b>	1.8	33	14-Sep	<b>59</b>	<b>70</b>	<b>61</b>	<b>63</b>	1.6	31	16-Sep
KALTENBERG	KB 215RR	2.1	RR	68	72	63	<b>68</b>	1.3	33	18-Sep							
KALTENBERG	KB 221	2.2	CN	* 74	75	67	<b>72</b>	1.6	35	18-Sep							
KALTENBERG	KB 228STS	2.2	STS	64	76	69	<b>70</b>	2.6	36	16-Sep							
KALTENBERG	KB 241	2.4	CN	70	* 82	69	<b>* 74</b>	1.9	32	16-Sep	<b>* 63</b>	<b>* 76</b>	<b>66</b>	<b>68</b>	1.8	32	20-Sep
KALTENBERG	KB 248	2.4	CN	* 72	* 84	69	<b>* 75</b>	2.3	35	24-Sep							
KALTENBERG	KB 249RR	2.4	RR	67	74	59	<b>67</b>	1.7	33	19-Sep							
KALTENBERG	KB 259	2.5	CN	71	71	70	<b>71</b>	2.6	33	19-Sep	<b>* 63</b>	<b>70</b>	<b>* 67</b>	<b>67</b>	2.4	31	23-Sep
KALTENBERG	KB 268	2.6	CN	70	76	* 73	<b>73</b>	2.7	34	21-Sep							
KALTENBERG	KB 274	2.7	CN	71	79	* 73	<b>* 74</b>	1.4	33	25-Sep	<b>* 64</b>	<b>* 75</b>	<b>* 69</b>	<b>* 69</b>	1.4	32	27-Sep
KALTENBERG	KB 289RR	2.8	RR			60											
KALTENBERG	KB 298	2.9	CN	67	79	69	<b>72</b>	2.3	34	22-Sep	<b>62</b>	<b>* 75</b>	<b>* 67</b>	<b>68</b>	2.0	34	26-Sep
LATHAM	EX-316RR	1.7	RR	70	76	62	<b>69</b>	1.4	34	17-Sep							
LATHAM	250 BRAND	1.8	CN	* 73	67	60	<b>67</b>	2.3	33	15-Sep	<b>61</b>	<b>66</b>	<b>61</b>	<b>63</b>	2.3	31	16-Sep
LATHAM	406RR BRAND	1.8	RR	71	66	61	<b>66</b>	1.8	36	16-Sep							
LATHAM	392 BRAND	1.9	CN	66	73	60	<b>66</b>	2.9	34	16-Sep	<b>56</b>	<b>68</b>	<b>62</b>	<b>62</b>	2.8	33	19-Sep
LATHAM	EX-510	2.1	CN	68	70	64	<b>67</b>	2.5	34	17-Sep							
LATHAM	590 BRAND	2.3	CN	* 75	75	69	<b>73</b>	1.9	34	18-Sep	<b>* 66</b>	<b>73</b>	<b>63</b>	<b>67</b>	1.8	33	20-Sep
LATHAM	640 BRAND	2.3	CN	66	77	* 71	<b>71</b>	1.6	34	22-Sep	<b>* 63</b>	<b>* 74</b>	<b>65</b>	<b>67</b>	1.8	33	25-Sep

CONTINUED

**TABLE 6. SOUTHERN REGION SOYBEAN TEST**

1998 Performance of Public and Commercial Entries at Three Southern Wisconsin Locations.

ARL=ARLINGTON, JAN=JANESVILLE, RAC=RACINE

Originator/Brand	Entry	Matur-ity Group	Herb. Toler. **	1998 Yields			1998 3-Test Average				1997-98 6-Test Yields			1997-98 6-Test Ave.			
				ARL	JAN	RAC	Yield	Lod.	Height	Matur-ity	ARL	JAN	RAC	Yield	Lod.	Height	Matur-ity
				----- Bu/A-----							----- Bu/A-----						
LG SEED	LG 6212	2.1	CN	* 77	71	63	<b>70</b>	1.9	34	19-Sep	* <b>66</b>	<b>71</b>	<b>60</b>	<b>66</b>	1.8	33	22-Sep
LG SEED	LG 6245	2.4	CN	* 75	67	58	<b>67</b>	2.1	31	19-Sep	<b>62</b>	<b>68</b>	<b>60</b>	<b>63</b>	2.1	31	22-Sep
M/W GENETICS	G 2210RR	2.2	RR	68	75	58	<b>67</b>	2.3	36	21-Sep							
M/W GENETICS	G 2380	2.3	CN	* 75	* 81	* 75	* <b>77</b>	1.9	36	24-Sep							
M/W GENETICS	G 2445RR	2.4	RR	67	77	62	<b>69</b>	1.6	34	19-Sep							
M/W GENETICS	G 2711	2.7	CN	69	74	* 77	<b>73</b>	2.7	34	21-Sep							
MARK	MRK 9519	1.9	CN	* 74	72	70	<b>72</b>	2.5	34	15-Sep							
MARK	MRK 9921RR	2.1	RR	70	77	60	<b>69</b>	1.4	36	17-Sep							
MARK	MRK 9824	2.4	CN	* 73	* 83	64	<b>73</b>	1.8	34	19-Sep							
MARK	MRK 9825	2.4	CN	70	76	64	<b>70</b>	2.7	32	19-Sep	* <b>66</b>	<b>73</b>	<b>65</b>	<b>68</b>	2.3	32	24-Sep
MARK	MRK 9727-5	2.6	CN	70	78	59	<b>69</b>	2.1	33	24-Sep	* <b>64</b>	* <b>74</b>	<b>65</b>	<b>68</b>	2.2	33	27-Sep
MARK	MRK 9926RR	2.6	RR	71	74	68	<b>71</b>	1.7	38	23-Sep							
MARK	MRK 9927	2.7	CN	* 72	79	* 72	* <b>74</b>	2.7	33	19-Sep							
MYCOGEN	J-251	2.4	CN	* 72	77	66	<b>72</b>	1.8	32	18-Sep	* <b>63</b>	* <b>74</b>	<b>62</b>	<b>66</b>	1.8	31	22-Sep
MYCOGEN	5261	2.6	CN	* 75	75	* 71	* <b>74</b>	1.3	35	26-Sep							
NK BRAND	S19-90	1.9	CN	62	71	66	<b>66</b>	2.1	35	14-Sep	<b>56</b>	<b>67</b>	<b>61</b>	<b>61</b>	2.0	33	18-Sep
NK BRAND	S20-91	2.0	CN	68	70	65	<b>68</b>	2.0	33	15-Sep	<b>60</b>	<b>66</b>	<b>62</b>	<b>63</b>	1.9	32	18-Sep
NK BRAND	S20-B9	2.0	RR	66	69	61	<b>65</b>	2.1	37	15-Sep	<b>57</b>	<b>65</b>	<b>59</b>	<b>60</b>	1.8	35	18-Sep
NK BRAND	S21-A1	2.1	CN	70	75	68	<b>71</b>	2.6	33	17-Sep	<b>61</b>	<b>70</b>	<b>65</b>	<b>65</b>	2.5	31	18-Sep
NK BRAND	S22-C3	2.2	CN	66	76	70	<b>71</b>	2.2	30	14-Sep							
NK BRAND	S22-N2	2.2	RR	69		67					<b>61</b>		<b>62</b>				
NK BRAND	S24-92	2.4	CN	68	75	64	<b>69</b>	2.2	34	16-Sep	<b>60</b>	<b>70</b>	<b>65</b>	<b>65</b>	2.1	33	20-Sep
O'BRIEN	OSOY 204RR	2.4	RR	65		61											
PIONEER	92B01	2.0	RR	65	70	58	<b>64</b>	2.2	31	10-Sep							
PIONEER	92B05	2.0	RR	66	69	60	<b>65</b>	2.2	32	11-Sep							
PIONEER	92B21	2.2	RR	65	77	57	<b>66</b>	1.3	32	15-Sep	<b>58</b>	<b>72</b>	<b>57</b>	<b>62</b>	1.4	32	20-Sep
PIONEER	92B23	2.2	CN	62	74	63	<b>66</b>	2.3	29	15-Sep							
PIONEER	92B52	2.5	CN	61	77	64	<b>67</b>	1.9	33	14-Sep	<b>54</b>	<b>73</b>	<b>64</b>	<b>64</b>	2.1	33	19-Sep
PIONEER	92B61	2.6	CN	70	72	64	<b>69</b>	3.1	35	20-Sep							
PIONEER	92B71	2.7	RR	69	72	66	<b>69</b>	1.8	35	19-Sep							
PROFISEED	PS 4190	1.9	RR	70	75	63	<b>69</b>	2.3	39	24-Sep							
RAMY	2195	2.0	CN	68	70	70	<b>69</b>	3.2	34	15-Sep	<b>60</b>	<b>68</b>	* <b>67</b>	<b>65</b>	2.9	34	19-Sep
RAMY	2550	2.5	CN	* 73	78	66	<b>72</b>	2.3	33	21-Sep							
RENK	RS 208RR	2.0	RR	* 72	73	66	<b>70</b>	1.5	39	23-Sep							
RENK	RS 2098	2.0	CN	67	* 80	63	<b>70</b>	2.2	33	15-Sep							

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**TABLE 6. SOUTHERN REGION SOYBEAN TEST**

1998 Performance of Public and Commercial Entries at Three Southern Wisconsin Locations.

ARL=ARLINGTON, JAN=JANESVILLE, RAC=RACINE

Originator/Brand	Entry	Matur- ity Group	Herb. Toler. **	1998 Yields			1998 3-Test Average				1997-98 6-Test Yields			1997-98 6-Test Ave.			
				ARL	JAN	RAC	Yield	Lod.	Height	Matur- ity	ARL	JAN	RAC	Yield	Lod.	Height	Matur- ity
				----- Bu/A-----			4-5	In	Date	----- Bu/A-----			1-5	In	Date		
RENK	RS 2394	2.3	CN	65	68	61	<b>65</b>	2.1	34	19-Sep	<b>58</b>	<b>66</b>	<b>60</b>	<b>61</b>	2.2	34	20-Sep
RENK	RS 248RR	2.4	RR	65	74	59	<b>66</b>	1.5	34	20-Sep							
RENK	RS 2498	2.4	CN	61	69	53	<b>61</b>	1.8	30	12-Sep							
RENK	RS 2797	2.7	CN	70	75	66	<b>70</b>	2.6	34	19-Sep	<b>* 63</b>	<b>73</b>	<b>* 68</b>	<b>68</b>	2.3	33	24-Sep
SHEPHERD	SB 210YRR	2.0	RR	63	70	55	<b>63</b>	1.4	37	22-Sep							
SHEPHERD	SB 260YRR	2.5	RR	67	* 83	57	<b>69</b>	1.1	30	20-Sep							
SHEPHERD	SB 280YRR	2.5	RR	69	* 81	60	<b>70</b>	1.3	33	23-Sep							
SPANGLER	SPANSOY 228RR	2.2	RR	* 76	71	63	<b>70</b>	1.7	36	15-Sep							
SPANGLER	SPANSOY 249RR	2.4	RR	67	74	62	<b>68</b>	1.4	34	14-Sep							
SPANGLER	SPANSOY 250	2.5	CN	70	* 82	68	<b>73</b>	1.8	42	21-Sep	<b>* 64</b>	<b>* 78</b>	<b>* 67</b>	<b>* 70</b>	1.9	41	26-Sep
STINE	1980-4	1.9	RR	66	70	58	<b>65</b>	1.4	34	16-Sep							
STINE	2091-4	2.0	RR	71	71	63	<b>68</b>	2.4	39	20-Sep							
STINE	2500	2.0	CN	70	75	59	<b>68</b>	2.4	32	15-Sep	<b>61</b>	<b>70</b>	<b>65</b>	<b>65</b>	2.3	31	16-Sep
STINE	2298-4	2.2	RR	67	73	63	<b>68</b>	1.3	35	19-Sep							
STINE	2499-0	2.4	CN	* 72	* 82	* 73	<b>* 76</b>	1.7	35	21-Sep							
STINE	2490-1	2.4	CN	67	* 80	65	<b>71</b>	1.8	33	20-Sep							
STINE	2686	2.6	CN	71	74	* 73	<b>73</b>	1.7	34	22-Sep	<b>* 63</b>	<b>72</b>	<b>* 69</b>	<b>68</b>	1.9	33	25-Sep
STINE	2698-4	2.6	RR	67	72	60	<b>66</b>	1.4	33	20-Sep							
STINE	2788	2.7	CN	68	73	70	<b>70</b>	2.7	35	24-Sep	<b>61</b>	<b>72</b>	<b>* 67</b>	<b>67</b>	2.3	33	27-Sep
STINE	2993-4	2.9	RR	68	70	65	<b>68</b>	2.1	39	25-Sep							
TERRA	E 1980RR	1.9	RR	* 76	75	65	<b>72</b>	2.2	35	18-Sep							
TERRA	E 2181RR	2.1	RR	69	73	62	<b>68</b>	2.3	38	19-Sep							
TERRA	E 248	2.4	CN	* 77	* 83	* 72	<b>* 77</b>	1.8	36	24-Sep							
TERRA	TS 253RR	2.5	RR	65	78	56	<b>66</b>	1.4	34	21-Sep							
TERRA	TS 277	2.7	CN	* 74	* 80	70	<b>* 75</b>	2.4	34	22-Sep							
TERRA	E 2880RR	2.8	RR			63											
TRELAY	207	2.0	CN	71	69	67	<b>69</b>	2.8	34	14-Sep	<b>62</b>	<b>67</b>	<b>62</b>	<b>64</b>	2.5	32	17-Sep
TRELAY	HIGH CYCLE 2211	2.1	RR	65	72	57	<b>65</b>	1.6	37	16-Sep							
TRELAY	248	2.4	CN	* 74	* 82	* 75	<b>* 77</b>	1.8	34	23-Sep							
TRELAY	268	2.6	CN	* 72	76	* 73	<b>* 74</b>	2.8	34	20-Sep							
Mean				69	74	64	<b>69</b>	2.1	35	18-Sep	<b>61</b>	<b>70</b>	<b>62</b>	<b>64</b>	2.1	33	20-Sep
LSD(0.10)**				5	6	6	<b>3</b>				<b>4</b>	<b>4</b>	<b>4</b>	<b>2</b>			
LSD(0.30)**				3	4	4	<b>2</b>				<b>2</b>	<b>2</b>	<b>2</b>	<b>1</b>			

\* Yields preceded by a '\*' are not significantly different (0.10 level) than the highest yielding cultivar. Entries with blank values did not arrive in time for planting and are not included in averages.

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

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

## TABLE 7. CENTRAL REGION SOYBEAN TEST

1998 Performance of Public and Commercial Entries at Three Central Wisconsin Locations.  
 FON = FOND DU LAC, GAL = GALESVILLE, HAN = HANCOCK

Originator/Brand	Entry	Matur- ity** Group	Herb. Toler. **	1998 Yields			1998 3-Test Average			1997-98 Yields			1997-98 6-Test Ave.				
				FON	GAL	HAN	Yield	Lod.	Height	Matur- ity	FON	GAL	HAN	Yield	Lod.	Height	Matur- ity
				----- Bu/A -----						----- Bu/A -----							
PUBLIC	LAMBERT	0.8	CN	69	57	66	<b>64</b>	2.9	30	01-Sep	<b>53</b>	<b>50</b>	<b>58</b>	<b>54</b>	3.0	33	04-Sep
PUBLIC	MN 1301	1.3	CN	72	51	68	<b>64</b>	1.9	35	07-Sep	<b>66</b>	<b>48</b>	<b>63</b>	<b>59</b>	2.3	38	08-Sep
PUBLIC	HODGSON 78	1.4	CN	65	50	72	<b>62</b>	3.2	37	11-Sep	<b>60</b>	<b>41</b>	<b>64</b>	<b>55</b>	3.3	39	11-Sep
PUBLIC	MN 1401	1.4	CN	74	63	73	<b>70</b>	1.8	36	13-Sep	<b>67</b>	<b>52</b>	<b>64</b>	<b>61</b>	2.3	40	13-Sep
PUBLIC	PARKER	1.5	CN	68	59	* 86	<b>71</b>	3.7	38	15-Sep	<b>62</b>	<b>50</b>	* <b>69</b>	<b>60</b>	3.8	40	13-Sep
PUBLIC	IA 1006	1.6	CN	74	72	77	<b>74</b>	2.5	39	18-Sep							
PUBLIC	MN91-1137	1.6	CN	68	62	80	<b>70</b>	2.2	37	12-Sep							
PUBLIC	TITAN	1.6	CN	75	64	* 81	<b>73</b>	1.8	32	14-Sep							
PUBLIC	GRANITE	1.8	CN	70	71	80	<b>74</b>	2.8	38	18-Sep	<b>65</b>	* <b>56</b>	* <b>68</b>	<b>63</b>	3.3	39	17-Sep
PUBLIC	BSR 101	1.9	CN	67	64	* 88	<b>73</b>	2.3	35	20-Sep	<b>62</b>	<b>48</b>	* <b>65</b>	<b>58</b>	2.8	39	18-Sep
PUBLIC	HARDIN	1.9	CN	66	60	80	<b>69</b>	3.1	37	13-Sep	<b>61</b>	<b>50</b>	* <b>68</b>	<b>60</b>	3.3	40	13-Sep
PUBLIC	STURDY	2.0	CN	74	65	* 81	<b>73</b>	2.4	37	22-Sep	<b>66</b>	<b>50</b>	* <b>67</b>	<b>61</b>	3.0	40	19-Sep
PUBLIC	CORSOY 79	2.1	CN	63	45	74	<b>61</b>	3.6	39	17-Sep	<b>61</b>	<b>40</b>	* <b>65</b>	<b>55</b>	3.8	42	17-Sep
PUBLIC	IA 2008	2.1	CN	63	69	77	<b>70</b>	2.9	40	20-Sep							
PUBLIC	IA 2021	2.1	CN	* 78	65	73	<b>72</b>	2.5	33	15-Sep							
AGRIPRO	AP 1702RR	1.7	RR	73	67	77	<b>72</b>	2.8	33	13-Sep							
AGRIPRO	AP 2002RR	2.0	RR	75	67	* 85	* <b>76</b>	2.6	38	19-Sep							
ASGROW	A 0868	0.8	CN	71	63	69	<b>68</b>	2.4	31	06-Sep							
ASGROW	AG 0901	0.9	RR	62	58	72	<b>64</b>	2.7	33	07-Sep							
COLE	DYNA-GRO 3144	1.4	CN	* 78	69	76	<b>74</b>	1.8	31	07-Sep							
COLE	DYNA-GRO 3188	1.8	CN	74	65	* 84	<b>74</b>	2.1	35	15-Sep	<b>69</b>	* <b>55</b>	* <b>66</b>	<b>63</b>	2.2	38	15-Sep
COLE	DYNA-GRO 3192RR	1.9	RR	73	59	72	<b>68</b>	2.1	32	17-Sep							
COLE	DYNA-GRO 3196	1.9	CN	* 77	69	80	<b>75</b>	1.5	32	15-Sep	* <b>72</b>	* <b>56</b>	<b>60</b>	<b>63</b>	1.8	35	14-Sep
COLE	DYNA-GRO 3196RR	1.9	RR	* 77	62	77	<b>72</b>	1.7	32	19-Sep							
CROPLAN	L1475	1.4	CN	69	72	71	<b>71</b>	3.0	36	08-Sep	<b>63</b>	* <b>57</b>	<b>63</b>	<b>61</b>	3.5	38	09-Sep
CROPLAN	L1849	1.8	CN	76	72	69	<b>72</b>	2.0	32	08-Sep							
CROPLAN	L1984	1.9	CN	* 79	67	71	<b>72</b>	2.0	33	15-Sep							
DAHLCO	DS 9190	1.9	CN	* 83	69	74	<b>75</b>	1.5	31	13-Sep	* <b>75</b>	<b>53</b>	<b>61</b>	<b>63</b>	1.7	34	13-Sep
DAIRYLAND	DSR-158	1.5	CN	70	72	80	<b>74</b>	2.4	33	13-Sep	<b>64</b>	* <b>55</b>	* <b>65</b>	<b>61</b>	2.7	36	12-Sep
DAIRYLAND	DSR-180/STS	1.9	STS	75	67	* 83	<b>75</b>	3.1	33	10-Sep	<b>67</b>	<b>54</b>	* <b>65</b>	<b>62</b>	3.3	37	11-Sep
DAIRYLAND	DSR-182/RR	1.9	RR	72	72	73	<b>72</b>	1.4	30	15-Sep							

CONTINUED

## TABLE 7. CENTRAL REGION SOYBEAN TEST

1998 Performance of Public and Commercial Entries at Three Central Wisconsin Locations.

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

Originator/Brand	Entry	Matur- ity**	Herb. Toler. **	1998 Yields			1998 3-Test Average			1997-98 Yields			1997-98 6-Test Ave.				
				FON	GAL	HAN	Yield	Lod.	Height	Matur- ity	FON	GAL	HAN	Yield	Lod.	Height	Matur- ity
				----- Bu/A -----			1-5 In Date			----- Bu/A -----			1-5 In Date				
DAIRYLAND	DSR-215/RR	2.0	RR	74	72	78	<b>75</b>	1.3	34	15-Sep							
DAIRYLAND	DST2124	2.0	CN	* 79	* 78	79	* <b>79</b>	1.3	33	19-Sep							
DEKALB	CX 105	1.0	CN	70	63	73	<b>69</b>	2.4	32	07-Sep							
DEKALB	CX 132	1.3	CN	75	62	77	<b>71</b>	3.1	33	11-Sep	<b>67</b>	<b>50</b>	<b>62</b>	<b>60</b>	3.4	36	10-Sep
DEKALB	CX 145	1.4	CN	* 77	68	70	<b>72</b>	1.9	31	05-Sep	<b>67</b>	* <b>58</b>	<b>60</b>	<b>62</b>	2.3	34	06-Sep
DEKALB	CX 191RR	1.9	RR	74	62	* 81	<b>72</b>	2.6	38	21-Sep							
DEKALB	CX 195	1.9	CN	76	63	72	<b>70</b>	1.8	34	20-Sep							
DEKALB	CX 196RR	1.9	RR	71	62	69	<b>67</b>	1.8	33	15-Sep							
DEKALB	CX 205	2.0	CN	73	70	* 81	<b>75</b>	2.6	38	17-Sep	* <b>71</b>	* <b>55</b>	<b>64</b>	<b>63</b>	3.0	40	15-Sep
DEKALB	CX 208RR	2.0	RR	71	67	79	<b>72</b>	2.7	38	21-Sep							
GARST	D 189	1.8	CN	76	* 73	76	<b>75</b>	2.6	33	13-Sep							
GARST	D 205	2.0	CN	* 80	67	80	* <b>76</b>	1.5	31	15-Sep	* <b>74</b>	<b>52</b>	<b>62</b>	<b>63</b>	1.9	35	14-Sep
GOLDEN HARVEST	H-1184	1.8	CN	75	67	* 83	<b>75</b>	2.3	33	14-Sep	* <b>72</b>	* <b>56</b>	* <b>65</b>	* <b>64</b>	2.4	36	14-Sep
GOLDEN HARVEST	H-1187	1.8	CN	71	70	69	<b>70</b>	2.3	35	20-Sep							
GOLDEN HARVEST	X 198RR	1.9	RR	* 79	65	* 81	<b>75</b>	1.5	32	20-Sep							
GOLDEN HARVEST	X 201	2.0	CN	* 77	63	79	<b>73</b>	2.0	35	16-Sep							
GROWMARK	HS 1452	1.4	CN	67	62	69	<b>66</b>	2.1	36	05-Sep	<b>63</b>	* <b>55</b>	<b>60</b>	<b>59</b>	2.6	39	07-Sep
GROWMARK	RT 1575	1.5	CN	72	64	71	<b>69</b>	1.3	29	08-Sep							
GROWMARK	RT 1985	1.9	RR	71	71	75	<b>72</b>	1.6	33	16-Sep							
GROWMARK	HS 2171	2.1	CN	76	* 74	76	<b>75</b>	1.3	33	16-Sep	* <b>72</b>	* <b>59</b>	<b>63</b>	* <b>65</b>	2.1	36	15-Sep
GROWMARK	RT 2175	2.1	RR	74	62	74	<b>70</b>	1.6	33	16-Sep							
HYTEST	HTS 1700RR	1.7	RR	69	57	* 82	<b>69</b>	1.8	37	21-Sep							
HYTEST	HTS 1910RR	1.9	RR	66	58	79	<b>68</b>	1.9	37	21-Sep							
HYTEST	HTX 1920	1.9	CN	* 77	64	77	<b>73</b>	1.9	32	14-Sep							
JUNG	1172	1.7	CN	76	65	73	<b>71</b>	2.2	31	09-Sep							
JUNG	8177RR	1.7	RR	71	60	76	<b>69</b>	2.3	37	21-Sep							
KALTENBERG	KB 169	1.6	CN	74	* 73	66	<b>71</b>	2.3	33	13-Sep							
KALTENBERG	KB 180RR	1.8	RR	66	67	72	<b>68</b>	1.4	33	23-Sep							
KALTENBERG	KB 184	1.8	CN	* 77	66	72	<b>72</b>	1.8	33	13-Sep	* <b>72</b>	* <b>57</b>	<b>60</b>	<b>63</b>	2.2	36	13-Sep

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## TABLE 7. CENTRAL REGION SOYBEAN TEST

1998 Performance of Public and Commercial Entries at Three Central Wisconsin Locations.  
 FON = FOND DU LAC, GAL = GALESVILLE, HAN = HANCOCK

Originator/Brand	Entry	Matur- ity** Group	Herb. Toler. **	1998 Yields			1998 3-Test Average			1997-98 Yields			1997-98 6-Test Ave.				
				FON	GAL	HAN	Yield	Lod.	Height	Matur- ity	FON	GAL	HAN	Yield	Lod.	Height	Matur- ity
				----- Bu/A -----						----- Bu/A -----							
								1-5	In	Date				1-5	In	Date	
KALTENBERG	KB187RR	1.8	RR	69	62	76	<b>69</b>	1.8	31	14-Sep							
KALTENBERG	KB 208	2.0	CN	* 83	67	* 84	* <b>78</b>	1.9	34	15-Sep	* <b>75</b>	<b>47</b>	<b>58</b>	<b>60</b>	2.7	37	15-Sep
KALTENBERG	KB 209RR	2.0	RR	* 79	60	* 81	<b>73</b>	2.0	38	24-Sep							
LATHAM	EX-140	1.2	CN	72	68	73	<b>71</b>	1.7	31	09-Sep							
LATHAM	EX-316RR	1.7	RR	74	66	80	<b>73</b>	1.4	33	22-Sep							
LATHAM	250 BRAND	1.8	CN	76	64	75	<b>72</b>	2.0	34	13-Sep	* <b>73</b>	* <b>56</b>	<b>62</b>	* <b>64</b>	2.3	37	13-Sep
LATHAM	406RR BRAND	1.8	RR	71	67	74	<b>71</b>	1.5	34	15-Sep							
LATHAM	392 BRAND	1.9	CN	* 79	71	* 84	* <b>78</b>	3.1	35	16-Sep							
LEMKE	220	2.2	CN	74	69	75	<b>73</b>	1.8	37	17-Sep							
LG SEED	LG 6192	1.9	CN	75	68	74	<b>72</b>	1.9	32	17-Sep	<b>70</b>	<b>50</b>	<b>59</b>	<b>60</b>	2.5	36	15-Sep
M/W GENETICS	G 1885	1.8	CN	* 79	69	* 84	* <b>77</b>	1.8	33	13-Sep	* <b>74</b>	* <b>58</b>	* <b>68</b>	* <b>67</b>	2.2	36	13-Sep
M/W GENETICS	G 1998RR	1.9	RR	69	66	78	<b>71</b>	1.8	36	19-Sep							
M/W GENETICS	G 2044RR	2.0	RR	75	70	76	<b>74</b>	1.3	35	17-Sep							
MALLARD	1060	1.9	CN	69	69	75	<b>71</b>	2.3	34	18-Sep							
MALLARD	1070	1.9	CN	* 81	63	* 83	* <b>76</b>	1.8	34	14-Sep							
MYCOGEN	200	2.1	CN	* 78	* 74	76	* <b>76</b>	1.4	32	14-Sep	* <b>74</b>	* <b>56</b>	<b>55</b>	<b>62</b>	1.8	35	13-Sep
NK BRAND	S19-90	1.9	CN	* 78	63	75	<b>72</b>	1.5	33	18-Sep	* <b>73</b>	* <b>55</b>	* <b>65</b>	* <b>64</b>	1.8	38	15-Sep
NK BRAND	S20-91	2.0	CN	70	65	73	<b>69</b>	1.4	33	17-Sep							
NK BRAND	S20-B9	2.0	RR	70	57	68	<b>65</b>	1.4	35	18-Sep							
NK BRAND	S21-A1	2.1	CN	72	72	* 82	<b>75</b>	2.2	34	17-Sep							
NK BRAND	S22-C3	2.2	CN	* 80	62	77	<b>73</b>	1.5	27	15-Sep							
NK BRAND	S22-N2	2.2	RR		69	71											
O'BRIEN	OSOY 108RR	1.8	RR		58	77											
PIONEER	9163	1.6	CN	68	61	69	<b>66</b>	2.4	34	08-Sep							
PIONEER	9172	1.7	CN	74	70	71	<b>72</b>	1.8	31	08-Sep	<b>67</b>	<b>53</b>	<b>54</b>	<b>58</b>	2.4	36	09-Sep
PIONEER	91B91	1.9	RR	71	66	71	<b>69</b>	1.6	29	14-Sep							
PIONEER	92B01	2.0	RR	73	59	69	<b>67</b>	1.6	30	15-Sep							
PIONEER	92B05	2.0	RR	75	66	78	<b>73</b>	1.9	31	15-Sep							
PIONEER	92B23	2.2	CN	75	65	80	<b>73</b>	1.8	29	16-Sep							

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## TABLE 7. CENTRAL REGION SOYBEAN TEST

1998 Performance of Public and Commercial Entries at Three Central Wisconsin Locations.

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

Originator/Brand	Entry	Matur- ity**	Herb. Toler. **	1998 Yields			1998 3-Test Average			1997-98 Yields			1997-98 6-Test Ave.				
				FON	GAL	HAN	Yield	Lod.	Height	Matur- ity	FON	GAL	HAN	Yield	Lod.	Height	Matur- ity
				----- Bu/A -----						----- Bu/A -----							
RENK	RS 1896	1.8	CN	* 81	72	* 83	* 79	1.3	31	15-Sep	* 73	* 56	64	* 64	1.7	34	14-Sep
RENK	RS 198RR	1.9	RR	74	63	72	70	1.6	33	18-Sep							
RENK	RS 208RR	2.0	RR	76	66	80	74	1.5	36	21-Sep							
RENK	RS 2098	2.0	CN	76	68	* 82	75	1.8	32	15-Sep							
SHEPHERD	SB 190Y RR	1.9	RR	61	51	70	61	2.8	39	19-Sep							
SPANGLER	SPANSOY 169RR	1.6	RR	63	65	75	68	1.9	36	15-Sep							
SPANGLER	SPANSOY 189RR	1.8	RR	68	67	72	69	1.5	30	19-Sep							
SPANGLER	SPANSOY 207	2.0	CN	70	* 73	75	73	2.1	34	16-Sep							
STINE	1386-6	1.3	CN	76	69	72	72	1.6	30	09-Sep							
STINE	1486	1.4	CN	* 77	68	67	71	1.4	31	08-Sep							
STINE	1496-4	1.4	RR	72	62	74	69	1.8	35	11-Sep							
STINE	X 1794	1.7	RR	69	66	67	67	1.6	32	19-Sep							
STINE	1980-4	1.9	RR	73	68	68	70	1.4	33	19-Sep							
STINE	1991-4	1.9	RR	68	65	71	68	1.6	33	17-Sep							
STINE	2500	2.0	CN	* 81	70	80	* 77	1.8	34	13-Sep	* 73	* 58	63	* 65	2.3	37	13-Sep
TERRA	E 1481RR	1.4	RR	72	60	66	66	2.0	34	09-Sep							
TERRA	E 1980RR	1.9	RR	70	69	73	71	1.5	34	18-Sep							
TERRA	E 2181RR	2.1	RR	76	65	74	72	2.2	37	22-Sep							
TOPFARM	TF 6188	1.8	CN	75	70	75	73	2.1	32	17-Sep	68	50	58	59	2.7	36	16-Sep
TOPFARM	TF 6197	1.9	CN	72	* 74	79	75	2.3	37	19-Sep							
TRELAY	168	1.6	CN	76	64	76	72	1.9	31	10-Sep							
TRELAY	HIGH CYCLE 2172	1.7	RR	72	66	74	71	1.5	34	19-Sep							
TRELAY	207	2.0	CN	75	66	67	69	1.8	33	11-Sep							
MEAN				73	65	76	71	2.0	34	14-Sep	68	53	63	61	2.6	37	12-Sep
LSD(0.10)**				6	5	7	3				4	4	4	3			
LSD(0.30)**				4	3	5	2				2	2	3	2			

\* Yields preceded by a "\*" are not significantly different (0.10 level) than the highest yielding cultivar. Entries with blank values did not arrive in time for planting and are not included in averages.

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

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

**TABLE 8. NORTH-CENTRAL REGION SOYBEAN TEST**

1998 Performance of Public and Commercial Entries at Four North Central Wisconsin Locations.

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

Originator/Brand	Entry	Matur-ity ** Group	Herb. Toler. **	1998 Yields				1998 4-Test Average			1997-98 Yields				1996-97 8-Test Ave.				
				CHP	MAR	SEY	VAL	Yield	Lod.	Height	Matur-ity	CHP	MAR	SEY	VAL	Yield	Lod.	Height	Matur-ity
				-----Bu/A-----				1-5	In	Date	-----Bu/A-----				1-5	In	Date		
PUBLIC	GLACIER	0.1	CN	32	33	54	43	41	1.9	27	31-Aug	36	29	52	40	39	2.5	28	04-Sep
PUBLIC	MN 0301	0.3	CN	32	43	60	46	45	1.9	33	06-Sep	41	37	59	38	44	2.5	32	10-Sep
PUBLIC	AGASSIZ	0.4	CN	31	35	55	53	44	1.5	28	03-Sep	39	33	52	36	40	2.1	30	06-Sep
PUBLIC	LAMBERT	0.8	CN	35	52	62	59	52	1.3	32	09-Sep	43	46	61	42	48	2.2	33	13-Sep
PUBLIC	MN 1301	1.3	CN	37	49	64	58	52	1.3	34	12-Sep	41	50	62	53	51	1.8	36	15-Sep
PUBLIC	MN 1401	1.4	CN	42	48	66	62	55	1.4	37	13-Sep	46	50	64	56	54	2.0	38	19-Sep
PUBLIC	PARKER	1.5	CN	* 48	53	69	* 68	60	2.0	37	13-Sep	50	49	67	* 61	56	2.8	38	18-Sep
PUBLIC	IA 1006	1.6	CN	44	53	63	64	56	1.8	37	15-Sep								
PUBLIC	MN 91-1137	1.6	CN	43	52	66	64	56	1.5	35	15-Sep								
PUBLIC	GRANITE	1.8	CN	43	49	67	63	56	1.9	35	19-Sep	48	48	65	* 58	55	2.5	37	24-Sep
PUBLIC	BSR 101	1.9	CN	* 48	44	63	63	55	1.5	35	19-Sep	* 53	46	64	54	54	2.3	36	24-Sep
PUBLIC	HARDIN	1.9	CN	45	* 55	67	* 67	59	1.8	36	13-Sep	49	52	66	* 58	56	2.3	37	19-Sep
COLE	DYNA-GRO 3113	1.1	CN	39	47	68	54	52	1.3	28	10-Sep								
COLE	DYNA-GRO 3122	1.2	CN	41	* 54	67	63	56	1.6	29	08-Sep	47	49	62	* 58	54	2.2	31	15-Sep
COLE	DYNA-GRO 3144	1.4	CN	* 48	* 57	70	61	59	1.3	30	12-Sep								
COLE	DYNA-GRO 3188	1.8	CN	* 47	51	71	* 66	59	1.6	33	15-Sep	* 54	50	69	* 63	* 59	2.0	34	23-Sep
COLE	DYNA-GRO 3196	1.9	CN	* 53	52	* 73	60	60	1.1	30	16-Sep	* 54	* 54	71	* 59	* 59	1.6	32	24-Sep
CROPLAN	L1187	1.1	CN	46	51	71	62	58	1.6	32	12-Sep	51	49	67	* 58	56	2.4	33	17-Sep
DAHLCO	DS 9120	1.2	CN	* 48	52	71	60	58	1.3	30	14-Sep	* 54	49	65	53	55	1.8	31	19-Sep
DAHLCO	DS 9140	1.4	CN	38	51	66	63	55	1.1	31	12-Sep	47	51	65	* 58	55	1.7	32	18-Sep
DAHLCO	DS 9142RR	1.4	RR	42	50		58												
DAHLCO	DS 9141	1.5	CN	44	51	68	* 68	58	1.4	33	12-Sep	51	51	67	* 61	57	2.0	36	18-Sep
DAHLCO	DS 9150	1.5	CN	39	* 56	* 72	65	58	1.4	30	15-Sep	47	* 53	69	* 62	58	2.1	32	22-Sep
DAIRYLAND	DSR-065	0.6	CN	31	47	63	58	50	1.4	30	09-Sep	44	43	63	52	50	1.9	31	15-Sep
DAIRYLAND	DSR-133	1.2	CN	44	53	63	60	55	1.9	33	12-Sep	50	48	62	57	54	2.5	35	18-Sep
DAIRYLAND	DSR-158	1.5	CN	* 50	49	65	63	57	1.4	31	15-Sep	* 57	50	62	55	56	2.1	33	21-Sep
DAIRYLAND	DSR-173	1.5	CN	40	52	65	63	55	1.5	34	17-Sep								
DEKALB	CX 075	0.7	CN	36	48	60	53	49	1.2	30	08-Sep								
DEKALB	CX 145	1.4	CN	* 48	* 54	65	59	57	1.4	30	11-Sep	52	* 54	64	52	55	1.9	32	16-Sep
GARST	D 085	0.8	CN	42	46	64	53	51	1.5	29	09-Sep								
GARST	D 142	1.4	CN	45	* 54	70	* 66	59	1.4	31	13-Sep								

Continued

**TABLE 8. NORTH-CENTRAL REGION SOYBEAN TEST**

1998 Performance of Public and Commercial Entries at Four North Central Wisconsin Locations.

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

Originator/Brand	Entry	Matur-ity** Group	Herb. Toler.**	1998 Yields				1998 4-Test Average			1997-98 Yields				1996-97 8-Test Ave.				
				CHP	MAR	SEY	VAL	Yield	Lod.	Height	Matur-ity	CHP	MAR	SEY	VAL	Yield	Lod.	Height	Matur-ity
				-----Bu/A-----				1-5	In	Date	-----Bu/A-----				1-5	In	Date		
GOLDEN HARVEST	X 094	0.9	CN	42	51	66	55	<b>54</b>	1.3	29	10-Sep								
GOLDEN HARVEST	X 148	1.4	CN	44	53	70	61	<b>57</b>	1.3	29	15-Sep								
GOLDEN HARVEST	H-1187	1.8	CN	45	* 58	71	63	<b>59</b>	1.5	33	16-Sep								
GOLDEN HARVEST	H-1190	1.9	CN	* 52	* 54	* 76	* 72	* <b>64</b>	1.1	30	17-Sep	* <b>54</b>	* <b>56</b>	* <b>74</b>	* <b>62</b>	* <b>61</b>	1.5	32	24-Sep
GOLDEN HARVEST	X 198RR	1.9	RR	* 48	53	68	60	<b>57</b>	1.1	31	20-Sep								
GROWMARK	HS 1071	1.0	CN	46	51	65	52	<b>54</b>	1.3	30	10-Sep	<b>48</b>	* <b>53</b>	<b>63</b>	<b>47</b>	<b>53</b>	1.8	31	17-Sep
GROWMARK	HS 1452	1.4	CN	41	50	64	61	<b>54</b>	1.4	34	10-Sep	<b>49</b>	<b>50</b>	<b>65</b>	<b>54</b>	<b>54</b>	1.9	36	16-Sep
GROWMARK	RT 1575	1.5	CN	* 47	44	62	55	<b>52</b>	1.1	29	16-Sep								
JUNG	1086	0.9	CN	43	51	65	57	<b>54</b>	1.3	32	11-Sep	<b>52</b>	<b>51</b>	<b>64</b>	<b>52</b>	<b>55</b>	1.8	34	17-Sep
JUNG	8140RR	1.4	RR	45	49	62	60	<b>54</b>	1.4	32	15-Sep								
JUNG	TNT 144	1.5	CN	43	50	66	65	<b>56</b>	1.4	33	16-Sep	<b>52</b>	<b>52</b>	<b>65</b>	* <b>58</b>	<b>57</b>	1.9	34	22-Sep
KALTENBERG	KB 090	0.9	CN	42	* 54	64	62	<b>56</b>	1.4	29	10-Sep								
KALTENBERG	KB 128	1.2	CN	37	53	66	60	<b>54</b>	1.3	28	10-Sep	<b>44</b>	<b>51</b>	<b>64</b>	<b>57</b>	<b>54</b>	1.9	31	18-Sep
KALTENBERG	KB 145	1.4	CN	46	52	70	* 68	<b>59</b>	1.6	35	16-Sep								
KALTENBERG	KB 149RR	1.4	RR	* 51	47	64	57	<b>55</b>	1.3	35	13-Sep								
LATHAM	EX-140	1.2	CN	45	* 54	69	64	<b>58</b>	1.3	31	14-Sep								
LEMKE	090	0.9	CN	41	51	65	53	<b>53</b>	1.4	31	10-Sep								
LEMKE	160	1.6	CN	44	50	67	60	<b>55</b>	1.5	34	14-Sep								
LG SEED	LG 6091	0.9	CN	45	51	65	58	<b>55</b>	1.4	32	11-Sep	<b>50</b>	<b>51</b>	<b>63</b>	<b>54</b>	<b>55</b>	2.0	34	17-Sep
LG SEED	LG 6145	1.4	CN	42	* 55	68	60	<b>56</b>	1.6	35	13-Sep	<b>50</b>	* <b>54</b>	<b>68</b>	<b>56</b>	<b>57</b>	2.1	35	20-Sep
M/W GENETICS	G 1400	1.4	CN	45	* 54	61	* 67	<b>57</b>	1.8	34	14-Sep	<b>51</b>	<b>50</b>	<b>61</b>	* <b>61</b>	<b>56</b>	2.3	35	21-Sep
MALLARD	0910	1.0	CN	37	51	* 73	59	<b>55</b>	1.1	31	10-Sep								
MALLARD	0960	1.4	CN	42	50	68	* 66	<b>57</b>	1.8	34	12-Sep								
NK BRAND	S05-D5	0.4	CN	46	48	60	61	<b>54</b>	1.4	30	07-Sep								
NK BRAND	S08-80	0.8	CN	34	45	70	58	<b>52</b>	1.3	32	10-Sep	<b>44</b>	<b>45</b>	<b>67</b>	<b>54</b>	<b>52</b>	2.1	34	17-Sep
NK BRAND	S12-49	1.2	CN	35	50	69	55	<b>52</b>	1.1	29	11-Sep	<b>43</b>	<b>50</b>	<b>65</b>	<b>52</b>	<b>52</b>	1.8	32	18-Sep
NK BRAND	S14-M7	1.4	RR	41	45	64	55	<b>51</b>	1.2	32	14-Sep								

Continued

**TABLE 8. NORTH-CENTRAL REGION SOYBEAN TEST**

1998 Performance of Public and Commercial Entries at Four North Central Wisconsin Locations.

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

Originator/Brand	Entry	Matur-ity** Group	Herb. Toler.**	1998 Yields				1998 4-Test Average			1997-98 Yields				1996-97 8-Test Ave.				
				CHP	MAR	SEY	VAL	Yield	Lod.	Height	Matur-ity	CHP	MAR	SEY	VAL	Yield	Lod.	Height	Matur-ity
				-----Bu/A-----				1-5	In	Date	-----Bu/A-----				1-5	In	Date		
PIONEER	90B21	0.2	CN	43	43	59	50	<b>49</b>	1.4	29	05-Sep								
PIONEER	9071	0.7	CN	37	44	65	55	<b>50</b>	1.4	29	08-Sep	<b>45</b>	<b>47</b>	<b>60</b>	<b>51</b>	<b>51</b>	2.2	31	14-Sep
PIONEER	91B01	1.0	CN	39	53	70	60	<b>56</b>	1.4	30	10-Sep								
PIONEER	9163	1.6	CN	* 48	53	67	62	<b>58</b>	1.6	36	13-Sep								
PROGRAIN	KORANDA	0.1	CN	36	46	63	54	<b>50</b>	1.3	27	05-Sep								
RENK	RS 0798	0.7	CN	32	46	63	49	<b>48</b>	1.3	26	07-Sep								
RENK	RS 0995	0.9	CN	42	51	65	55	<b>53</b>	1.4	30	11-Sep	<b>50</b>	<b>51</b>	<b>64</b>	<b>53</b>	<b>55</b>	2.0	33	18-Sep
RENK	RS 1498	1.4	CN	46	* 54	70	58	<b>57</b>	1.3	31	14-Sep								
SPANGLER	SPANSOY 088	0.8	CN	44	46	62	49	<b>50</b>	1.4	31	11-Sep	<b>49</b>	<b>48</b>	<b>64</b>	<b>49</b>	<b>52</b>	1.8	33	17-Sep
SPANGLER	SPANSOY 149RR	1.4	RR	44	50	64	58	<b>54</b>	1.2	32	14-Sep								
STINE	0990-4	0.9	RR	41	47	63	56	<b>52</b>	1.3	28	12-Sep								
STINE	1386-6	1.3	CN	43	* 54	70	60	<b>57</b>	1.4	31	14-Sep								
STINE	1486	1.4	CN	* 50	51	68	65	<b>59</b>	1.2	30	13-Sep								
STINE	1496-4	1.4	RR	46	47	65	55	<b>53</b>	1.3	35	14-Sep								
TERRA	TS 107	1.0	CN	43	51	66	61	<b>55</b>	1.5	30	10-Sep								
TERRA	E 1181RR	1.1	RR	* 47	45	60	56	<b>52</b>	1.4	32	12-Sep								
TERRA	E 1481RR	1.4	RR	* 47	49		61												
TERRA	E 158	1.5	CN	40	* 55	67	60	<b>56</b>	1.3	30	17-Sep								
TOPFARM	TF 6056	0.5	CN	32	44	56	58	<b>48</b>	1.3	28	08-Sep	<b>39</b>	<b>44</b>	<b>53</b>	<b>52</b>	<b>47</b>	2.1	31	13-Sep
TOPFARM	TF 6078	0.7	CN	32	44	64	51	<b>48</b>	1.3	26	09-Sep								
TRELAY	095	0.9	CN	* 48	51	68	* 67	<b>59</b>	1.5	33	09-Sep	<b>52</b>	<b>52</b>	<b>67</b>	<b>57</b>	<b>57</b>	2.0	34	17-Sep
TRELAY	128	1.2	CN	35	50	68	63	<b>54</b>	1.1	27	11-Sep								
MEAN				42	50	66	59	<b>54</b>	1.4	31	11-Sep	<b>48</b>	<b>48</b>	<b>64</b>	<b>54</b>	<b>53</b>	2.1	33	17-Sep
LSD(0.10)**				6	4	4	6	<b>3</b>				<b>4</b>	<b>3</b>	<b>3</b>	<b>5</b>	<b>3</b>			
LSD(0.30)**				4	3	3	4	<b>2</b>				<b>2</b>	<b>2</b>	<b>2</b>	<b>3</b>	<b>2</b>			

\* Yields preceded by a \*\* are not significantly different (0.10 level) than the highest yielding cultivar. Entries with blank values did not arrive in time for planting and are not included in averages.

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

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

## TABLE 9. NORTHERN REGION SOYBEAN TEST

1998 Performance of Public and Commercial Entries at Two Northern Wisconsin Locations.

ASH=ASHLAND, SPO=SPOONER

Originator/Brand	Entry	Matur-ity ** Group	Herb. Toler. **	1998 Yields		1998 2-Test Average				1997	1997-98 3-Test Ave.			
				ASH	SPO	Yield	Lod.	Height	Matur-ity	SPO	Yield	Lod.	Height	Matur-ity
				-----Bu/A-----		1-5 In Date				-----Bu/A----- 1-5 In Date				
PUBLIC	GLACIER	00.8	CN	21	37	<b>29</b>	1.0	18	09-Sep	<b>30</b>	<b>29</b>	1.3	22	08-Sep
PUBLIC	MN 0301	0.3	CN	* 26	30	<b>28</b>	1.0	21	16-Sep	<b>31</b>	<b>29</b>	1.0	27	15-Sep
PUBLIC	AGASSIZ	0.4	CN	* 25	23	<b>24</b>	1.0	19	14-Sep	<b>25</b>	<b>24</b>	1.0	24	13-Sep
PUBLIC	LAMBERT	0.8	CN	* 28	25	<b>27</b>	1.0	21	21-Sep	<b>28</b>	<b>27</b>	1.3	25	19-Sep
COLE	DYNA-GRO 3057	0.5	CN	* 29	34	* <b>32</b>	1.0	20	19-Sep					
COLE	DYNA-GRO 3075	0.7	CN	23	29	<b>26</b>	1.0	17	22-Sep	<b>28</b>	<b>27</b>	1.0	19	20-Sep
COLE	DYNA-GRO 3094	0.9	CN	20	36	<b>28</b>	1.0	22	21-Sep					
COLE	DYNA-GRO 3098RR	0.9	RR	* 26	23	<b>25</b>	1.0	20	18-Sep					
COLE	DYNA-GRO 3115RR	1.1	RR	24	25	<b>25</b>	1.0	21	17-Sep					
DAHLCO	DS 9030	0.3	CN	* 25	31	<b>28</b>	1.0	19	15-Sep					
DAHLCO	DS 9040	0.4	CN	21	30	<b>26</b>	1.0	21	18-Sep					
DAHLCO	DS 9080	0.8	CN	* 25	* 45	* <b>35</b>	1.0	21	21-Sep					
DAIRYLAND	DSR-065	0.6	CN	* 26	34	<b>30</b>	1.0	20	16-Sep	<b>30</b>	<b>30</b>	1.0	25	17-Sep
MALLARD	0910	1.0	CN	24	35	<b>30</b>	1.0	21	23-Sep					
NK BRAND	S 14-M7	1.4	RR	22	25	<b>24</b>	1.0	21	24-Sep					
PIONEER	90B21	0.2	CN	* 28	30	<b>29</b>	1.0	20	16-Sep					
PIONEER	9071	0.7	CN	* 26	34	<b>30</b>	1.0	19	18-Sep	<b>29</b>	<b>30</b>	1.0	24	17-Sep
PROGRAIN	OAC VISION	00.0	CN	15	27	<b>21</b>	1.0	19	01-Sep					
PROGRAIN	KORADA	0.1	CN	* 27	37	* <b>32</b>	1.0	18	15-Sep					
RENK	RS 0798	0.7	CN	* 25	31	<b>28</b>	1.0	17	15-Sep					
TERRA	E 098	0.9	CN	24	30	<b>27</b>	1.0	21	19-Sep					
TERRA	TS 107	1.0	CN	* 26	31	<b>29</b>	1.0	21	18-Sep					
TERRA	E 1181RR	1.1	RR	23	21	<b>22</b>	1.0	21	17-Sep					
TRELAY	095	0.9	CN	* 28	* 41	* <b>35</b>	1.0	22	17-Sep	* <b>39</b>	* <b>36</b>	1.0	29	18-Sep
MEAN				24	31	<b>28</b>	1.0	20	17-Sep	<b>30</b>	<b>29</b>	1.1	24	15-Sep
LSD(0.10)**				4	7	<b>3</b>				<b>4</b>	<b>3</b>			
LSD(0.30)**				2	4	<b>1</b>				<b>3</b>	<b>2</b>			

\* Yields preceded by a "\*" are not significantly different (0.10 level) than the highest yielding cultivar. Entries with blank values did not arrive in time for planting and are not included in averages.

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

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

**TABLE 10. EARLY MATURITY (MG 0.0-1.9) SOYBEAN DISEASE TEST**

1998 Performance of Public and Commercial Entries at Three Wisconsin Locations.

ARL=ARLINGTON , GAL = GALESVILLE, HAN = HANCOCK

Originator/Brand	Entry	Matur- ity** Group	Herb. Toler. **	ARL		GAL		HAN		2-Test Ave.		1-3 Test Average		
				Yield	BSR	Yield	White Mold	Yield	White Mold	Yield	White Mold	Lod.	Height	Matur- ity
				Bu/^(0-11)		Bu/^( %		Bu/^( %		Bu/^( %		1-5	In	Date
PUBLIC	GLACIER	0.1	CN	35	4	38	5	59	0	<b>44</b>	<b>3</b>	2.7	26	29-Aug
PUBLIC	MN 0301	0.3	CN	33	1	57	13	64	3	<b>51</b>	<b>8</b>	3.0	31	01-Sep
PUBLIC	AGASSIZ	0.4	CN	39	1	50	15	56	0	<b>48</b>	<b>8</b>	2.0	28	30-Aug
PUBLIC	LAMBERT	0.8	CN	41	4	55	23	70	2	<b>55</b>	<b>13</b>	2.4	31	03-Sep
PUBLIC	MN 1301	1.3	CN	38	4	50	28	67	3	<b>52</b>	<b>16</b>	2.2	37	05-Sep
PUBLIC	HODGSON 78	1.4	CN	39	4	42	45	65	2	<b>49</b>	<b>24</b>	3.3	38	05-Sep
PUBLIC	MN 1401	1.4	CN	* 56	1	63	27	68	4	<b>62</b>	<b>16</b>	2.4	38	07-Sep
PUBLIC	PARKER	1.5	CN	49	1	63	40	68	2	<b>60</b>	<b>21</b>	3.6	40	07-Sep
PUBLIC	IA 1006	1.6	CN	54	0	69	10	69	6	<b>64</b>	<b>8</b>	2.4	40	07-Sep
PUBLIC	MN91-1137	1.6	CN	45	1	55	37	59	5	<b>53</b>	<b>21</b>	2.4	38	08-Sep
PUBLIC	TITAN	1.6	CN	44	1	63	20	74	3	<b>60</b>	<b>12</b>	2.2	34	08-Sep
PUBLIC	GRANITE	1.8	CN	52	0	62	15	59	2	<b>58</b>	<b>9</b>	2.8	40	09-Sep
PUBLIC	ARCHER	1.9	CN	52	0	55	8	64	5	<b>57</b>	<b>7</b>	2.1	37	09-Sep
PUBLIC	BSR 101	1.9	CN	49	0	66	13	63	4	<b>59</b>	<b>9</b>	2.6	38	08-Sep
PUBLIC	HARDIN	1.9	CN	38	2	53	36	68	2	<b>53</b>	<b>19</b>	3.0	35	05-Sep
PUBLIC	STURDY	2.0	CN	45	3	59	31	60	21	<b>55</b>	<b>26</b>	3.1	39	09-Sep
AGRIPRO	AP 1702RR	1.7	RR	48	0	63	32	68	4	<b>60</b>	<b>18</b>	2.7	36	08-Sep
ASGROW	A 0868	0.8	CN	45	1	64	25	71	8	<b>60</b>	<b>17</b>	2.3	34	05-Sep
ASGROW	AG 0901	0.9	RR	48	2	55	19	61	1	<b>55</b>	<b>10</b>	3.0	38	05-Sep
ASGROW	AG 1901	1.9	RR	49	1	68	27	74	5	<b>64</b>	<b>16</b>	2.4	41	08-Sep
COLE	DYNA-GRO 3057	0.5	CN	40	1	63	35	64	2	<b>56</b>	<b>19</b>	2.8	31	04-Sep
COLE	DYNA-GRO 3075	0.7	CN	53	0	62	5	54	18	<b>56</b>	<b>12</b>	2.1	28	05-Sep
COLE	DYNA-GRO 3094	0.9	CN	42	1	54	23	72	2	<b>56</b>	<b>13</b>	2.8	36	04-Sep
COLE	DYNA-GRO 3098RR	0.9	RR	36	0	63	33	67	13	<b>55</b>	<b>23</b>	2.4	30	05-Sep
COLE	DYNA-GRO 3113	1.1	CN	54	2	59	28	64	2	<b>59</b>	<b>15</b>	2.6	32	06-Sep
COLE	DYNA-GRO 3115RR	1.1	RR	45	0	62	38	70	5	<b>59</b>	<b>22</b>	2.3	35	06-Sep
COLE	DYNA-GRO 3122	1.2	CN	* 57	2	61	33	65	5	<b>61</b>	<b>19</b>	3.2	31	05-Sep
COLE	DYNA-GRO 3144	1.4	CN	41	0	69	23	* 77	1	<b>62</b>	<b>12</b>	1.7	31	06-Sep
COLE	DYNA-GRO 3188	1.8	CN	* 58	1	58	13	* 77	8	<b>64</b>	<b>11</b>	2.3	37	09-Sep
COLE	DYNA-GRO 3192RR	1.9	RR	43	1	57	20	65	23	<b>55</b>	<b>22</b>	2.1	35	07-Sep
COLE	DYNA-GRO 3196	1.9	CN	48	0	68	8	* 80	3	* <b>65</b>	<b>6</b>	1.8	34	08-Sep
COLE	DYNA-GRO 3196RR	1.9	RR	45	1	59	18	73	8	<b>59</b>	<b>13</b>	1.9	36	09-Sep
CROPLAN	L1187	1.1	CN	* 56	1	* 72	8	60	4	<b>63</b>	<b>6</b>	2.3	34	06-Sep
CROPLAN	L1475	1.4	CN	* 64	0	67	25	67	4	* <b>66</b>	<b>15</b>	3.0	39	08-Sep
CROPLAN	L1849	1.8	CN	* 59	0	* 71	16	69	8	* <b>66</b>	<b>12</b>	2.2	35	05-Sep
CROPLAN	L1984	1.9	CN	47	0	62	20	76	3	<b>62</b>	<b>12</b>	2.1	33	09-Sep

CONTINUED

**TABLE 10. EARLY MATURITY (MG 0.0-1.9) SOYBEAN DISEASE TEST**

1998 Performance of Public and Commercial Entries at Three Wisconsin Locations.

ARL=ARLINGTON , GAL = GALESVILLE, HAN = HANCOCK

Originator/Brand	Entry	Matur-ity ** Group	Herb. Toler. **	ARL		GAL		HAN		2-Test Ave.		1-3 Test Average		
				Yield	BSR	Yield	White Mold	Yield	White Mold	Yield	White Mold	Lod.	Height	Matur-ity
				Bu/^(0-11)		Bu/^(	%	Bu/^(	%	Bu/^(	%	1-5	In	Date
CROW	19001	1.9	CN	* 57	2	62	15	65	12	<b>61</b>	<b>14</b>	2.6	38	09-Sep
DAHLCO	DS 9030	0.3	CN	41	0	54	28	61	2	<b>52</b>	<b>15</b>	2.2	29	30-Aug
DAHLCO	DS 9040	0.4	CN	29	1	54	17	53	2	<b>45</b>	<b>10</b>	2.4	27	31-Aug
DAHLCO	DS 9080	0.8	CN	44	2	59	33	65	9	<b>56</b>	<b>21</b>	2.3	35	05-Sep
DAHLCO	DS 9120	1.2	CN	* 55	2	63	30	71	4	<b>63</b>	<b>17</b>	2.9	33	07-Sep
DAHLCO	DS 9140	1.4	CN	* 55	2	58	12	70	2	<b>61</b>	<b>7</b>	2.3	33	06-Sep
DAHLCO	DS 9142RR	1.4	RR	46	1	51	40							
DAHLCO	DS 9141	1.5	CN	* 55	0	70	18	73	4	* <b>66</b>	<b>11</b>	2.1	37	06-Sep
DAHLCO	DS 9150	1.5	CN	47	1	60	30	73	7	<b>60</b>	<b>19</b>	2.8	34	06-Sep
DAHLCO	DS 9190	1.9	CN	51	0	65	8	67	3	<b>61</b>	<b>6</b>	1.9	34	08-Sep
DAIRYLAND	DSR-065	0.6	CN	41	1	56	23	63	2	<b>53</b>	<b>13</b>	2.3	29	03-Sep
DAIRYLAND	DSR-133	1.2	CN	* 59	1	58	27	67	11	<b>61</b>	<b>19</b>	3.2	36	06-Sep
DAIRYLAND	DSR-158	1.5	CN	47	0	70	18	62	3	<b>60</b>	<b>11</b>	2.7	35	07-Sep
DAIRYLAND	DSR-173	1.5	CN	37	1	66	18	71	4	<b>58</b>	<b>11</b>	1.9	34	07-Sep
DAIRYLAND	DSR-180/STS	1.9	STS	* 59	1	69	32	72	17	* <b>67</b>	<b>25</b>	3.0	35	07-Sep
DAIRYLAND	DSR-182/RR	1.9	RR	48	1	70	27	63	20	<b>60</b>	<b>24</b>	1.8	32	09-Sep
DEKALB	CX 075	0.7	CN	48	1	55	18	66	1	<b>56</b>	<b>10</b>	2.0	28	03-Sep
DEKALB	CX 105	1.0	CN	45	3	59	25	64	15	<b>56</b>	<b>20</b>	2.7	33	05-Sep
DEKALB	CX 132	1.3	CN	50	6	59	30	68	1	<b>59</b>	<b>16</b>	3.0	35	04-Sep
DEKALB	CX 145	1.4	CN	42	1	67	32	71	4	<b>60</b>	<b>18</b>	2.2	33	05-Sep
DEKALB	CX 191RR	1.9	RR	47	0	63	29	56	9	<b>55</b>	<b>19</b>	3.1	39	10-Sep
DEKALB	CX 195	1.9	CN	39	2	60	20	65	3	<b>55</b>	<b>12</b>	2.2	36	07-Sep
DEKALB	CX 196RR	1.9	RR	52	2	58	23	63	28	<b>58</b>	<b>26</b>	2.6	35	08-Sep
GARST	D 085	0.8	CN	41	0	63	7	61	4	<b>55</b>	<b>6</b>	2.3	29	03-Sep
GARST	D 142	1.4	CN	* 56	2	61	30	76	2	<b>64</b>	<b>16</b>	2.3	32	06-Sep
GARST	D 189	1.8	CN	50	0	* 76	23	68	8	* <b>65</b>	<b>16</b>	2.3	34	06-Sep
GOLDEN HARVEST	X 094	0.9	CN	* 58	2	60	25	64	0	<b>61</b>	<b>13</b>	2.3	31	05-Sep
GOLDEN HARVEST	X 148	1.4	CN	44	0	70	20	71	2	<b>62</b>	<b>11</b>	1.7	33	07-Sep
GOLDEN HARVEST	H-1184	1.8	CN	47	1	67	18	* 83	1	* <b>66</b>	<b>10</b>	2.1	35	08-Sep
GOLDEN HARVEST	H-1187	1.8	CN	* 57	0	67	18	69	3	<b>64</b>	<b>11</b>	2.7	36	07-Sep
GOLDEN HARVEST	H-1190	1.9	CN	51	1	68	8	* 79	3	* <b>66</b>	<b>6</b>	1.7	34	08-Sep
GOLDEN HARVEST	X 198RR	1.9	RR	49	0	67	13	60	27	<b>59</b>	<b>20</b>	1.9	36	10-Sep

CONTINUED

## TABLE 10. EARLY MATURITY (MG 0.0-1.9) SOYBEAN DISEASE TEST

1998 Performance of Public and Commercial Entries at Three Wisconsin Locations.

ARL=ARLINGTON , GAL = GALESVILLE, HAN = HANCOCK

Originator/Brand	Entry	Matur-ity ** Group	Herb. Toler. **	ARL		GAL		HAN		2-Test Ave.		1-3 Test Average		
				Yield	BSR	Yield	White Mold	Yield	White Mold	Yield	White Mold	Lod.	Height	Matur-ity
				Bu/^(0-11)		Bu/^(	%	Bu/^(	%	Bu/^(	%	1-5	In	Date
GREAT LAKES	GL 1872	1.8	CN	54	1	63	17	* 78	1	<b>* 65</b>	<b>9</b>	1.9	37	08-Sep
GROWMARK	HS 1071	1.0	CN	41	1	58	25	65	2	<b>55</b>	<b>14</b>	2.4	32	05-Sep
GROWMARK	HS 1452	1.4	CN	43	1	59	22	74	2	<b>59</b>	<b>12</b>	2.3	39	05-Sep
GROWMARK	RT 1575	1.5	CN	* 58	0	64	8	67	2	<b>63</b>	<b>5</b>	1.7	33	07-Sep
GROWMARK	RT 1985	1.9	RR	54	0	68	18	52	23	<b>58</b>	<b>21</b>	2.1	36	09-Sep
HUGHES	198	1.9	CN	47	0	* 71	13	70	3	<b>63</b>	<b>8</b>	2.3	37	09-Sep
HYTEST	HTS 1700RR	1.7	RR	43	1	58	27	69	5	<b>57</b>	<b>16</b>	2.2	39	09-Sep
HYTEST	HTS 1910RR	1.9	RR	45	1	59	23	71	1	<b>58</b>	<b>12</b>	2.1	39	09-Sep
HYTEST	HTX 1920	1.9	CN	53	0	63	18	* 84	1	<b>* 67</b>	<b>10</b>	2.1	36	09-Sep
JUNG	1086	0.9	CN	43	2	60	23	65	3	<b>56</b>	<b>13</b>	2.2	33	05-Sep
JUNG	8140RR	1.4	RR	41	3	57	40	72	0	<b>57</b>	<b>20</b>	2.9	32	06-Sep
JUNG	TNT 144	1.5	CN	50	0	65	20	72	3	<b>62</b>	<b>12</b>	2.1	35	08-Sep
JUNG	1172	1.7	CN	52	0	65	30	70	4	<b>62</b>	<b>17</b>	2.4	34	07-Sep
JUNG	8177RR	1.7	RR	51	1	56	38	66	4	<b>58</b>	<b>21</b>	2.3	39	09-Sep
JUNG	1198	1.9	CN	* 56	0	67	17	74	5	<b>* 66</b>	<b>11</b>	2.0	35	07-Sep
KALTENBERG	KB 090	0.9	CN	44	0	62	26	68	0	<b>58</b>	<b>13</b>	2.0	31	05-Sep
KALTENBERG	KB 128	1.2	CN	51	2	65	23	60	1	<b>59</b>	<b>12</b>	2.2	32	05-Sep
KALTENBERG	KB 145	1.4	CN	* 59	0	66	13	71	8	<b>* 65</b>	<b>11</b>	2.3	40	07-Sep
KALTENBERG	KB 149RR	1.4	RR	43	0	62	40	65	22	<b>57</b>	<b>31</b>	2.7	39	07-Sep
KALTENBERG	KB 169	1.6	CN	52	0	* 71	13	66	5	<b>63</b>	<b>9</b>	2.6	34	07-Sep
KALTENBERG	KB 180RR	1.8	RR	40	0	65	5	64	2	<b>56</b>	<b>4</b>	2.0	35	10-Sep
KALTENBERG	KB 184	1.8	CN	* 57	1	62	23	* 79	3	<b>* 66</b>	<b>13</b>	2.2	36	08-Sep
KALTENBERG	KB187RR	1.8	RR	42	0	58	30	64	13	<b>55</b>	<b>22</b>	2.1	33	06-Sep
LATHAM	EX-140	1.2	CN	41	0	69	18	71	2	<b>60</b>	<b>10</b>	1.9	35	07-Sep
LATHAM	EX-316RR	1.7	RR	46	0	69	17	70	15	<b>62</b>	<b>16</b>	1.8	35	09-Sep
LATHAM	250 BRAND	1.8	CN	41	1	65	15	* 83	2	<b>63</b>	<b>9</b>	2.1	36	08-Sep
LATHAM	406RR BRAND	1.8	RR	* 57	0	* 75	4	75	3	<b>* 69</b>	<b>4</b>	1.8	38	08-Sep
LATHAM	392 BRAND	1.9	CN	50	0	64	30	72	14	<b>62</b>	<b>22</b>	2.8	37	08-Sep
LEMKE	090	0.9	CN	49	0	58	14	64	5	<b>57</b>	<b>10</b>	2.3	32	05-Sep
LEMKE	160	1.6	CN	49	1	67	25	64	15	<b>60</b>	<b>20</b>	2.3	39	06-Sep

CONTINUED

## TABLE 10. EARLY MATURITY (MG 0.0-1.9) SOYBEAN DISEASE TEST

1998 Performance of Public and Commercial Entries at Three Wisconsin Locations.

ARL=ARLINGTON , GAL = GALESVILLE, HAN = HANCOCK

Originator/Brand	Entry	Matur- ity** Group	Herb. Toler. **	ARL		GAL		HAN		2-Test Ave.		1-3 Test Average		
				Yield	BSR	Yield	White Mold	Yield	White Mold	Yield	White Mold	Lod.	Height	Matur- ity
				Bu/	(0-11)	Bu/	%	Bu/	%	Bu/	%	1-5	In	Date
LG SEED	LG 6091	0.9	CN	50	1	60	24	65	0	<b>58</b>	<b>12</b>	2.0	33	05-Sep
LG SEED	LG 6145	1.4	CN	46	0	64	23	67	8	<b>59</b>	<b>16</b>	2.2	38	06-Sep
LG SEED	LG 6192	1.9	CN	53	0	62	18	71	9	<b>62</b>	<b>14</b>	2.6	35	09-Sep
M/W GENETICS	G 1400	1.4	CN	* 57	1	61	28	66	10	<b>61</b>	<b>19</b>	2.7	35	06-Sep
M/W GENETICS	G 1885	1.8	CN	* 56	1	63	23	* 81	1	* <b>67</b>	<b>12</b>	2.0	34	09-Sep
M/W GENETICS	G 1998RR	1.9	RR	* 55	0	* 72	10	52	38	<b>60</b>	<b>24</b>	2.3	39	08-Sep
MALLARD	0910	1.0	CN	53	2	64	20	70	4	<b>62</b>	<b>12</b>	2.1	34	05-Sep
MALLARD	0960	1.4	CN	49	0	60	27	69	5	<b>59</b>	<b>16</b>	2.6	36	05-Sep
MALLARD	1060	1.9	CN	51	0	59	18	68	9	<b>59</b>	<b>14</b>	2.3	37	08-Sep
MALLARD	1070	1.9	CN	53	1	60	20	* 80	3	<b>64</b>	<b>12</b>	2.1	36	08-Sep
MARK	MRK 9519	1.9	CN	52	1	62	20	76	3	<b>63</b>	<b>12</b>	2.3	36	08-Sep
NK BRAND	S05-D5	0.4	CN	39	0	54	25	64	1	<b>52</b>	<b>13</b>	2.2	30	04-Sep
NK BRAND	S08-80	0.8	CN	39	2	59	15	67	1	<b>55</b>	<b>8</b>	2.3	33	03-Sep
NK BRAND	S12-49	1.2	CN	44	1	61	30	65	1	<b>57</b>	<b>16</b>	1.8	33	06-Sep
NK BRAND	S14-M7	1.4	RR	43	2	57	38	63	7	<b>54</b>	<b>23</b>	2.2	35	07-Sep
NK BRAND	S19-90	1.9	CN	51	3	56	13	72	3	<b>60</b>	<b>8</b>	2.1	37	08-Sep
O'BRIEN	OSOY 108RR	1.8	RR	50	1	56	23	70	3	<b>59</b>	<b>13</b>	2.6	41	08-Sep
PIONEER	90B21	0.2	CN	38	0	57	25	64	0	<b>53</b>	<b>13</b>	2.4	32	31-Aug
PIONEER	9071	0.7	CN	44	1	54	25	61	0	<b>53</b>	<b>13</b>	3.0	31	03-Sep
PIONEER	91B01	1.0	CN	47	4	63	27	67	17	<b>59</b>	<b>22</b>	2.7	33	05-Sep
PIONEER	9163	1.6	CN	* 55	0	62	17	73	4	<b>63</b>	<b>11</b>	2.4	38	07-Sep
PIONEER	9172	1.7	CN	49	0	61	16	72	3	<b>61</b>	<b>10</b>	1.9	34	07-Sep
PIONEER	91B91	1.9	RR	48	1	63	32	61	14	<b>57</b>	<b>23</b>	2.6	33	06-Sep
PROFISEED	PS 4190	1.9	RR	* 57	0	70	10	65	37	<b>64</b>	<b>24</b>	2.3	40	10-Sep
PROGRAIN	OAC VISION	0.0	CN	29	0	31	2	41	0	<b>34</b>	<b>1</b>	2.1	24	25-Aug
PROGRAIN	KORADA	0.1	CN	40	1	56	19	61	0	<b>52</b>	<b>10</b>	1.9	27	03-Sep
RENK	RS 1896	1.8	CN	39	0	66	7	* 78	2	<b>61</b>	<b>5</b>	1.7	32	09-Sep
RENK	RS 0798	0.7	CN	33	3	61	32	63	4	<b>52</b>	<b>18</b>	1.9	31	03-Sep
RENK	RS 0995	0.9	CN	* 59	0	60	20	68	0	<b>62</b>	<b>10</b>	2.3	33	06-Sep
RENK	RS 1498	1.4	CN	38	0	69	15	76	2	<b>61</b>	<b>9</b>	1.7	32	06-Sep
RENK	RS 198RR	1.9	RR	46	1	64	15	67	6	<b>59</b>	<b>11</b>	1.8	35	09-Sep

CONTINUED

## TABLE 10. EARLY MATURITY (MG 0.0-1.9) SOYBEAN DISEASE TEST

1998 Performance of Public and Commercial Entries at Three Wisconsin Locations.

ARL=ARLINGTON , GAL = GALESVILLE, HAN = HANCOCK

Originator/Brand	Entry	Matur- ity**	Herb. Toler. **	ARL		GAL		HAN		2-Test Ave.		1-3 Test Average		
				Yield	BSR	Yield	White Mold	Yield	White Mold	Yield	White Mold	Lod.	Height	Matur- ity
				Bu/A(0-11)		Bu/A %		Bu/A %		Bu/A %		1-5	In	Date
SHEPHERD	SB 190YRR	1.9	RR	43	2	52	38	59	33	<b>51</b>	<b>36</b>	3.3	41	08-Sep
SPANGLER	SPANSOY 088	0.8	CN	52	1	61	18	69	6	<b>61</b>	<b>12</b>	2.3	34	05-Sep
SPANGLER	SPANSOY 149RR	1.4	RR	44	2	55	37	69	2	<b>56</b>	<b>20</b>	2.7	33	07-Sep
SPANGLER	SPANSOY 169RR	1.6	RR	47	0	67	18	63	15	<b>59</b>	<b>17</b>	2.2	38	07-Sep
SPANGLER	SPANSOY 189RR	1.8	RR	49	1	66	15	63	13	<b>59</b>	<b>14</b>	1.8	32	09-Sep
STINE	0990-4	0.9	RR	50	1	62	28	71	5	<b>61</b>	<b>17</b>	2.1	30	05-Sep
STINE	1386-6	1.3	CN	45	0	69	20	72	0	<b>62</b>	<b>10</b>	1.8	33	07-Sep
STINE	1486	1.4	CN	* 60	0	69	27	75	0	* <b>68</b>	<b>14</b>	2.0	34	08-Sep
STINE	1496-4	1.4	RR	37	1	58	42	63	5	<b>53</b>	<b>24</b>	2.4	39	07-Sep
STINE	X 1794	1.7	RR	49	1	62	30	* 78	2	<b>63</b>	<b>16</b>	1.9	35	09-Sep
STINE	1980-4	1.9	RR	52	0	67	15	70	13	<b>63</b>	<b>14</b>	2.0	36	10-Sep
STINE	1991-4	1.9	RR	* 61	0	67	20	58	43	<b>62</b>	<b>32</b>	2.3	37	10-Sep
TERRA	E 098	0.9	CN	50	0	62	23	72	3	<b>61</b>	<b>13</b>	2.1	34	05-Sep
TERRA	TS 107	1.0	CN	49	3	59	30	64	1	<b>57</b>	<b>16</b>	2.0	31	05-Sep
TERRA	E 1181RR	1.1	RR	39	0	57	40	68	15	<b>55</b>	<b>28</b>	2.8	38	05-Sep
TERRA	E 1481RR	1.4	RR	42	0	59	43	63	8	<b>55</b>	<b>26</b>	2.8	38	06-Sep
TERRA	E 158	1.5	CN	44	1	64	13	70	4	<b>59</b>	<b>9</b>	1.8	35	07-Sep
TERRA	E 1980RR	1.9	RR	53	0	66	18	57	33	<b>59</b>	<b>26</b>	2.0	37	09-Sep
TOPFARM	TF 6056	0.5	CN	45	1	58	18	55	5	<b>53</b>	<b>12</b>	2.1	31	04-Sep
TOPFARM	TF 6078	0.7	CN	43	3	62	30	72	3	<b>59</b>	<b>17</b>	1.8	31	02-Sep
TOPFARM	TF 6188	1.8	CN	54	0	67	20	68	10	<b>63</b>	<b>15</b>	2.4	33	09-Sep
TOPFARM	TF 6197	1.9	CN	51	0	68	11	71	4	<b>63</b>	<b>8</b>	2.2	37	08-Sep
TRELAY	095	0.9	CN	48	1	64	18	64	3	<b>59</b>	<b>11</b>	2.4	34	06-Sep
TRELAY	128	1.2	CN	33	1	65	9	73	7	<b>57</b>	<b>8</b>	1.8	31	05-Sep
TRELAY	168	1.6	CN	50	3	64	22	69	8	<b>61</b>	<b>15</b>	2.2	34	07-Sep
TRELAY	HIGH CYCLE 2172	1.7	RR	45	0	63	18	68	8	<b>59</b>	<b>13</b>	2.0	37	08-Sep
MEAN				48	1	62	22	68	7	<b>59</b>	<b>15</b>	2.3	35	06-Sep
LSD(0.10)**				9		5		7		<b>4</b>				
LSD(0.30)**				6		3		5		<b>3</b>				

\* Yields preceded by a '\*' are not significantly different (0.10 level) than the highest yielding cultivar. Entries with blank values did not arrive in time for planting and are not included in ave.

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

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

## TABLE 11. LATE MATURITY (MG 1.9 - 2.9) SOYBEAN DISEASE TEST

1998 Performance of Public and Commercial Entries at Three Wisconsin Locations.

ARL=ARLINGTON , GAL = GALESVILLE, HAN = HANCOCK

Originator/Brand	Entry	Matur- ity **	Herb. Toler. Group **	ARL		GAL		HAN		2-Test Ave.		1-3 Test Average		
				Yield	BSR	Yield	White Mold	Yield	White Mold	Yield	White Mold	Lod.	Height	Matur- ity
				Bu/A(0-11)		Bu/A	%	Bu/A	%	Bu/A	%	1-5	In	Date
PUBLIC	STURDY	2.0	CN	45	3	59	31	60	21	<b>55</b>	<b>26</b>	4.0	41	09-Sep
PUBLIC	CORSOY 79	2.1	CN	38	6	48	93	65	4	<b>50</b>	<b>49</b>	4.7	41	06-Sep
PUBLIC	IA 2008	2.1	CN	* 62	0	67	30	57	17	<b>62</b>	<b>24</b>	4.3	40	10-Sep
PUBLIC	IA 2021	2.1	CN	56	1	58	72	59	27	<b>58</b>	<b>50</b>	3.7	36	10-Sep
PUBLIC	IA 2022	2.5	CN	53	0	62	7	66	13	<b>60</b>	<b>10</b>	3.0	44	12-Sep
PUBLIC	DWIGHT	2.9	CN	56	0	69	8	64	28	<b>63</b>	<b>18</b>	3.5	39	12-Sep
AGRIPRO	AP 2002RR	2.0	RR	50	1	62	58	62	15	<b>58</b>	<b>37</b>	4.3	44	10-Sep
AGRIPRO	AP 2802RR	2.8	RR	48	1	62	17	64	10	<b>58</b>	<b>14</b>	2.2	39	11-Sep
ASGROW	AG 2101	2.1	RR	* 66	0	70	12	63	15	* <b>66</b>	<b>14</b>	2.0	37	11-Sep
ASGROW	AG 2301	2.3	RR	56	0	69	17	65	8	<b>63</b>	<b>13</b>	2.3	40	10-Sep
ASGROW	A 2553	2.5	CN	* 61	2	63	18	* 72	10	* <b>65</b>	<b>14</b>	3.3	37	11-Sep
ASGROW	AG 2501	2.5	RR	* 59	0	64	22	* 73	3	* <b>65</b>	<b>13</b>	2.2	37	11-Sep
ASGROW	AG 2702	2.7	RR	52	0	67	12	56	23	<b>58</b>	<b>18</b>	3.7	47	12-Sep
COLE	DYNA-GRO 3214RR	2.1	RR	57	1	61	68	55	33	<b>58</b>	<b>51</b>	4.8	44	10-Sep
COLE	DYNA-GRO 3233	2.5	CN	52	0	60	13	68	22	<b>60</b>	<b>18</b>	3.7	43	10-Sep
COLE	DYNA-GRO 3252	2.5	CN	* 59	0	67	12	70	12	* <b>65</b>	<b>12</b>	3.0	40	11-Sep
COLE	DYNA-GRO 3256	2.5	CN	48	3	67	17	65	42	<b>60</b>	<b>30</b>	3.0	36	10-Sep
COLE	DYNA-GRO 3256RR	2.5	RR	50	0	58	30	58	20	<b>55</b>	<b>25</b>	2.5	39	11-Sep
COLE	DYNA-GRO 3266RR	2.5	RR	52	0	70	7	65	9	<b>62</b>	<b>8</b>	2.2	38	11-Sep
COLE	DYNA-GRO 3282	2.8	CN	57	0	61	18	65	13	<b>61</b>	<b>16</b>	3.3	38	12-Sep
CROPLAN	L2779	2.7	CN	55	0	62	13	70	27	<b>62</b>	<b>20</b>	3.0	37	11-Sep
CROW	21008	2.1	CN	54	2	65	40	* 74	20	* <b>64</b>	<b>30</b>	2.8	37	10-Sep
CROW	24007	2.4	CN	* 60	0	* 71	2	62	24	* <b>64</b>	<b>13</b>	2.7	37	11-Sep
CROW	28003	2.8	CN	* 62	0	61	18	* 74	22	* <b>66</b>	<b>20</b>	2.7	37	12-Sep
DAIRYLAND	DSR-215/RR	2.0	RR	57	0	67	4	68	30	* <b>64</b>	<b>17</b>	2.3	39	08-Sep
DAIRYLAND	DST2124	2.0	CN	57	0	* 73	4	* 74	22	* <b>68</b>	<b>13</b>	2.0	40	10-Sep
DAIRYLAND	DSR-220/STS	2.4	STS	54	2	67	20	56	30	<b>59</b>	<b>25</b>	3.5	40	10-Sep
DAIRYLAND	DSR-241/RR	2.4	RR	53	3	61	32	70	2	<b>61</b>	<b>17</b>	2.2	34	10-Sep
DAIRYLAND	DSR-246/STS	2.6	STS	54	1	61	23	59	20	<b>58</b>	<b>22</b>	3.2	35	11-Sep
DAIRYLAND	DSR-277	2.8	CN	57	0	65	7	70	9	* <b>64</b>	<b>8</b>	3.0	39	12-Sep
DAIRYLAND	DSR-293/RR	2.8	RR	* 64	1	65	7	62	18	* <b>64</b>	<b>13</b>	2.3	42	12-Sep
DAIRYLAND	DST2333	2.8	CN	54	0	65	23	69	15	<b>63</b>	<b>19</b>	4.0	38	12-Sep
DAIRYLAND	DSR-250/STS	2.9	STS	50	0	65	12	68	28	<b>61</b>	<b>20</b>	2.3	38	12-Sep
DAIRYLAND	DST2332STS	2.9	STS	57	0	* 73	7	64	22	* <b>65</b>	<b>15</b>	2.8	43	12-Sep

CONTINUED

## TABLE 11. LATE MATURITY (MG 1.9 - 2.9) SOYBEAN DISEASE TEST

1998 Performance of Public and Commercial Entries at Three Wisconsin Locations.

ARL=ARLINGTON , GAL = GALESVILLE, HAN = HANCOCK

Originator/Brand	Entry	Matur- ity **	Herb. Toler. Group **	ARL		GAL		HAN		2-Test Ave.		1-3 Test Average		
				Yield	BSR	Yield	White Mold	Yield	White Mold	Yield	White Mold	Lod.	Height	Matur- ity
				Bu/A(0-11)		Bu/A	%	Bu/A	%	Bu/A	%	1-5	In	Date
DEKALB	CX 205	2.0	CN	* 62	3	60	77	67	37	<b>63</b>	<b>57</b>	4.5	45	08-Sep
DEKALB	CX 208RR	2.0	RR	51	2	63	65	60	23	<b>58</b>	<b>44</b>	4.3	45	09-Sep
DEKALB	CX 212	2.1	CN	57	0	66	17	57	37	<b>60</b>	<b>27</b>	3.0	39	09-Sep
DEKALB	RR 2100	2.1	RR	53	0	69	2	64	23	<b>62</b>	<b>13</b>	2.2	39	09-Sep
DEKALB	CX 230	2.3	CN	50	3	59	33	61	23	<b>57</b>	<b>28</b>	2.8	38	09-Sep
DEKALB	CX 232	2.3	CN	57	3	63	50	70	20	<b>63</b>	<b>35</b>	2.3	35	09-Sep
DEKALB	RR 2300	2.3	RR	51	3	62	23	* 75	3	<b>63</b>	<b>13</b>	2.0	35	09-Sep
DEKALB	CX 253	2.5	CN	44	4	62	27	64	32	<b>57</b>	<b>30</b>	3.0	41	09-Sep
DEKALB	CX 256RR	2.5	RR	51	1	58	27	66	12	<b>58</b>	<b>20</b>	2.5	40	11-Sep
DEKALB	CX 257RR	2.5	RR	51	2	60	50	69	13	<b>60</b>	<b>32</b>	2.8	41	11-Sep
DEKALB	CX 266RR	2.6	RR	* 59	0	60	17	62	22	<b>60</b>	<b>20</b>	3.5	42	12-Sep
DEKALB	CX 277	2.7	CN	* 59	0	63	8	55	50	<b>59</b>	<b>29</b>	3.8	39	12-Sep
DEKALB	CX 285RR	2.8	RR	46	1	56	20	50	60	<b>51</b>	<b>40</b>	3.2	42	11-Sep
GARST	D205	2.0	CN	53	2	64	27	* 77	4	* <b>65</b>	<b>16</b>	2.2	33	07-Sep
GARST	D 224	2.2	CN	* 58	3	62	77	67	29	<b>62</b>	<b>53</b>	3.8	32	09-Sep
GARST	D 265	2.6	CN	53	1	63	13	64	22	<b>60</b>	<b>18</b>	3.3	37	10-Sep
GOLDEN HARVEST	X 201	2.0	CN	57	2	53	27	* 76	15	<b>62</b>	<b>21</b>	3.3	38	08-Sep
GOLDEN HARVEST	H-1238RR	2.3	RR	52	0	63	40	60	13	<b>58</b>	<b>27</b>	2.2	39	09-Sep
GOLDEN HARVEST	X 251	2.4	CN	* 58	0	65	17	59	38	<b>61</b>	<b>28</b>	3.7	38	12-Sep
GOLDEN HARVEST	X 259RR	2.5	RR	56	0	63	15	62	13	<b>60</b>	<b>14</b>	2.0	37	12-Sep
GREAT LAKES	GL 2334	2.3	CN	52	3	69	43	* 78	18	* <b>66</b>	<b>31</b>	3.0	34	08-Sep
GREAT LAKES	GL 2451	2.4	CN	* 59	0	* 73	7	67	20	* <b>66</b>	<b>14</b>	2.8	40	11-Sep
GROWMARK	FS HISOY 215	2.1	CN	49	2	58	17	* 72	13	<b>60</b>	<b>15</b>	2.7	50	08-Sep
GROWMARK	HS 2171	2.1	CN	52	0	* 71	4	69	18	* <b>64</b>	<b>11</b>	2.5	36	10-Sep
GROWMARK	RT 2175	2.1	RR	* 58	2	58	67	71	10	<b>62</b>	<b>39</b>	3.3	33	09-Sep
GROWMARK	HT 2273	2.2	CN	53	2	65	37	65	23	<b>61</b>	<b>30</b>	2.7	35	10-Sep
GROWMARK	HS 2361	2.3	CN	49	1	65	18	60	45	<b>58</b>	<b>32</b>	2.8	37	09-Sep
GROWMARK	RT 2385	2.3	RR	46	1	68	23	69	27	<b>61</b>	<b>25</b>	2.3	42	10-Sep
GROWMARK	HS 2561	2.5	CN	55	1	70	10	63	40	<b>63</b>	<b>25</b>	2.7	39	11-Sep
GUTWEIN	7243RR	2.4	RR	* 59	0	67	22	66	7	* <b>64</b>	<b>15</b>	2.8	43	11-Sep
GUTWEIN	7266	2.6	CN	57	0	62	15	71	35	<b>63</b>	<b>25</b>	2.8	37	11-Sep
GUTWEIN	7288RR	2.8	RR	48	2	52	32	58	53	<b>53</b>	<b>43</b>	3.2	42	10-Sep
HUGHES	228	2.0	CN	57	0	68	23	61	28	<b>62</b>	<b>26</b>	3.2	39	10-Sep
HUGHES	227RR	2.2	RR	52	0	66	7	66	12	<b>61</b>	<b>10</b>	2.2	41	09-Sep

CONTINUED

## TABLE 11. LATE MATURITY (MG 1.9 - 2.9) SOYBEAN DISEASE TEST

1998 Performance of Public and Commercial Entries at Three Wisconsin Locations.

ARL=ARLINGTON , GAL = GALESVILLE, HAN = HANCOCK

Originator/Brand	Entry	Matur- ity **	Herb. Toler. Group **	ARL		GAL		HAN		2-Test Ave.		1-3 Test Average		
				Yield	BSR	Yield	White Mold	Yield	White Mold	Yield	White Mold	Lod.	Height	Matur- ity
				Bu/A(0-11)		Bu/A	%	Bu/A	%	Bu/A	%	1-5	In	Date
HUGHES	252	2.5	CN	47	0	70	4	63	17	<b>60</b>	<b>11</b>	2.8	46	10-Sep
HUGHES	261RR	2.6	RR	48	0	* 74	2	* 78	1	* <b>67</b>	<b>2</b>	2.0	37	09-Sep
HYTEST	HTS 2605	2.6	CN	* 58	0	61	17	69	20	<b>63</b>	<b>19</b>	2.8	37	12-Sep
HYTEST	HTX 2910RR	2.9	RR	46	0	64	4	69	15	<b>60</b>	<b>10</b>	2.7	43	11-Sep
JUNG	8221RR	2.2	RR	54	0	68	1	64	30	<b>62</b>	<b>16</b>	2.0	39	09-Sep
KALTENBERG	KB 208	2.0	CN	56	3	62	72	57	52	<b>58</b>	<b>62</b>	4.0	40	09-Sep
KALTENBERG	KB 209RR	2.0	RR	49	1	59	47	69	18	<b>59</b>	<b>33</b>	3.3	41	10-Sep
KALTENBERG	KB 214	2.1	CN	55	3	66	43	68	25	<b>63</b>	<b>34</b>	2.2	34	08-Sep
KALTENBERG	KB 215RR	2.1	RR	47	1	61	35	66	20	<b>58</b>	<b>28</b>	2.3	39	10-Sep
KALTENBERG	KB 221	2.2	CN	47	2	67	28	66	32	<b>60</b>	<b>30</b>	2.3	37	08-Sep
KALTENBERG	KB 228STS	2.2	STS	52	4	60	38	68	2	<b>60</b>	<b>20</b>	3.5	39	08-Sep
KALTENBERG	KB 241	2.4	CN	52	2	65	25	71	32	<b>63</b>	<b>29</b>	2.7	35	09-Sep
KALTENBERG	KB 248	2.4	CN	* 59	0	* 71	10	61	22	* <b>64</b>	<b>16</b>	3.0	39	10-Sep
KALTENBERG	KB 249RR	2.4	RR	49	1	60	52	71	18	<b>60</b>	<b>35</b>	2.5	38	11-Sep
KALTENBERG	KB 259	2.5	CN	52	1	61	37	68	15	<b>60</b>	<b>26</b>	3.3	35	10-Sep
KALTENBERG	KB 268	2.6	CN	57	0	59	30	* 72	17	<b>63</b>	<b>24</b>	3.2	39	11-Sep
KALTENBERG	KB 274	2.7	CN	* 65	0	66	5	55	60	<b>62</b>	<b>33</b>	2.5	38	12-Sep
KALTENBERG	KB 289RR	2.8	RR	50	3									
KALTENBERG	KB 298	2.9	CN	* 59	0	59	1	69	30	<b>62</b>	<b>16</b>	3.2	38	12-Sep
LATHAM	EX-510	2.1	CN	55	0	66	40	53	50	<b>58</b>	<b>45</b>	3.5	38	09-Sep
LATHAM	590 BRAND	2.3	CN	47	1	68	17	66	37	<b>60</b>	<b>27</b>	2.7	39	07-Sep
LATHAM	640 BRAND	2.3	CN	* 66	0	* 71	8	55	40	* <b>64</b>	<b>24</b>	2.8	40	11-Sep
LEMKE	220	2.2	CN	* 62	1	68	37	* 72	7	* <b>67</b>	<b>22</b>	3.3	41	10-Sep
LG SEED	LG 6212	2.1	CN	* 62	0	* 73	27	57	40	* <b>64</b>	<b>34</b>	2.8	38	10-Sep
LG SEED	LG 6245	2.4	CN	56	1	63	27	66	25	<b>62</b>	<b>26</b>	2.8	39	11-Sep
M/W GENETICS	G 2044RR	2.0	RR	* 58	0	70	8	70	18	* <b>66</b>	<b>13</b>	2.3	39	09-Sep
M/W GENETICS	G 2210RR	2.2	RR	50	0	60	38	60	37	<b>57</b>	<b>38</b>	4.0	43	11-Sep
M/W GENETICS	G 2380	2.3	CN	56	0	* 75	7	61	28	* <b>64</b>	<b>18</b>	2.7	41	10-Sep
M/W GENETICS	G 2445RR	2.4	RR	50	1	60	33	66	17	<b>59</b>	<b>25</b>	2.5	39	10-Sep
M/W GENETICS	G 2711	2.7	CN	* 62	0	64	27	70	32	* <b>65</b>	<b>30</b>	3.0	40	12-Sep
MARK	MRK 9921RR	2.1	RR	56	0	67	5	68	20	* <b>64</b>	<b>13</b>	2.0	40	10-Sep
MARK	MRK 9824	2.4	CN	56	2	* 71	12	65	37	* <b>64</b>	<b>25</b>	3.0	39	10-Sep

CONTINUED

**TABLE 11. LATE MATURITY (MG 1.9 - 2.9) SOYBEAN DISEASE TEST**

1998 Performance of Public and Commercial Entries at Three Wisconsin Locations.

ARL=ARLINGTON , GAL = GALESVILLE, HAN = HANCOCK

Originator/Brand	Entry	Matur- ity **	Herb. Toler. Group **	ARL		GAL		HAN		2-Test Ave.		1-3 Test Average		
				Yield	BSR	Yield	White Mold	Yield	White Mold	Yield	White Mold	Lod.	Height	Matur- ity
				Bu/A(0-11)		Bu/A	%	Bu/A	%	Bu/A	%	1-5	In	Date
MARK	MRK 9825	2.4	CN	47	1	62	20	62	40	<b>57</b>	<b>30</b>	3.7	37	11-Sep
MARK	MRK 9727-5	2.6	CN	52	2	62	15	66	32	<b>60</b>	<b>24</b>	3.0	38	11-Sep
MARK	MRK 9926RR	2.6	RR	54	0	65	10	* 72	11	* <b>64</b>	<b>11</b>	2.5	41	11-Sep
MARK	MRK 9927	2.7	CN	* 67	0	64	17	70	10	* <b>67</b>	<b>14</b>	3.0	37	12-Sep
MYCOGEN	200	2.1	CN	55	3	69	23	* 75	18	* <b>66</b>	<b>21</b>	2.0	35	08-Sep
MYCOGEN	J-251	2.4	CN	* 58	2	64	27	* 76	13	* <b>66</b>	<b>20</b>	2.7	37	09-Sep
MYCOGEN	5261	2.6	CN	51	1	* 73	10	* 81	3	* <b>68</b>	<b>7</b>	2.2	39	11-Sep
NK BRAND	S19-90	1.9	CN	51	3	56	13	* 72	3	<b>60</b>	<b>8</b>	2.7	40	08-Sep
NK BRAND	S20-91	2.0	CN	51	0	61	10	68	10	<b>60</b>	<b>10</b>	2.5	39	08-Sep
NK BRAND	S20-B9	2.0	RR	49	4	54	42	* 74	2	<b>59</b>	<b>22</b>	2.8	42	09-Sep
NK BRAND	S21-A1	2.1	CN	47	4	65	32	68	7	<b>60</b>	<b>20</b>	3.7	36	08-Sep
NK BRAND	S22-C3	2.2	CN	43	4	59	37	* 76	14	<b>59</b>	<b>26</b>	2.2	32	08-Sep
NK BRAND	S22-N2	2.2	RR	51	1	66	22							
NK BRAND	S24-92	2.4	CN	54	2	61	43	* 73	22	<b>63</b>	<b>33</b>	2.7	38	09-Sep
O'BRIEN	OSOY 202	2.2	CN	50	0	54	4	66	12	<b>57</b>	<b>8</b>	2.7	38	11-Sep
O'BRIEN	OSOY 204RR	2.4	RR	49	0	58	18	58	27	<b>55</b>	<b>23</b>	3.0	40	11-Sep
PIONEER	92B01	2.0	RR	50	3	58	57	62	27	<b>57</b>	<b>42</b>	2.3	33	08-Sep
PIONEER	92B05	2.0	RR	55	1	62	18	70	35	<b>62</b>	<b>27</b>	2.8	36	08-Sep
PIONEER	92B21	2.2	RR	49	0	63	12	69	23	<b>60</b>	<b>18</b>	2.2	37	09-Sep
PIONEER	92B23	2.2	CN	52	6	65	82	67	28	<b>61</b>	<b>55</b>	3.0	34	08-Sep
PIONEER	92B52	2.5	CN	46	3	64	28	67	17	<b>59</b>	<b>23</b>	3.2	37	09-Sep
PIONEER	92B61	2.6	CN	47	2	61	27	* 77	12	<b>62</b>	<b>20</b>	3.8	39	09-Sep
PIONEER	92B71	2.7	RR	52	2	66	8	* 73	8	* <b>64</b>	<b>8</b>	2.3	39	11-Sep
RAMY	2195	2.0	CN	56	4	62	78	65	38	<b>61</b>	<b>58</b>	4.2	40	08-Sep
RAMY	2550	2.5	CN	57	2	62	22	67	27	<b>62</b>	<b>25</b>	3.0	36	10-Sep
RENK	RS 208RR	2.0	RR	55	0	68	27	56	50	<b>60</b>	<b>39</b>	2.8	42	12-Sep
RENK	RS 2098	2.0	CN	48	4	64	60	* 77	7	<b>63</b>	<b>34</b>	2.7	38	08-Sep
RENK	RS 2394	2.3	CN	49	4	63	37	70	27	<b>61</b>	<b>32</b>	3.3	41	09-Sep
RENK	RS 248RR	2.4	RR	46	2	61	13	64	18	<b>57</b>	<b>16</b>	2.5	38	11-Sep
RENK	RS 2498	2.4	CN	56	0	64	30	* 73	5	* <b>64</b>	<b>18</b>	2.2	34	08-Sep
RENK	RS 2797	2.7	CN	* 60	0	64	43	71	18	* <b>65</b>	<b>31</b>	3.3	36	11-Sep

CONTINUED

## TABLE 11. LATE MATURITY (MG 1.9 - 2.9) SOYBEAN DISEASE TEST

1998 Performance of Public and Commercial Entries at Three Wisconsin Locations.

ARL=ARLINGTON , GAL = GALESVILLE, HAN = HANCOCK

Originator/Brand	Entry	Matur- ity **	Herb. Toler. Group **	ARL		GAL		HAN		2-Test Ave.		1-3 Test Average		
				Yield	BSR	Yield	White Mold	Yield	White Mold	Yield	White Mold	Yield	White Mold	Lod.
				Bu/A(0-11)		Bu/A	%	Bu/A	%	Bu/A	%	1-5	In	Date
SHEPHERD	SB 210YRR	2.1	CN	46	0	55	2	59	5	<b>53</b>	<b>4</b>	2.5	41	10-Sep
SHEPHERD	SB 260YRR	2.5	CN	48	2	58	7	62	5	<b>56</b>	<b>6</b>	2.0	34	10-Sep
SHEPHERD	SB 280YRR	2.7	CN	47	2	57	10	63	2	<b>56</b>	<b>6</b>	2.5	35	11-Sep
SPANGLER	SPANSOY 207	2.0	CN	55	1	63	50	69	15	<b>62</b>	<b>33</b>	3.7	39	07-Sep
SPANGLER	SPANSOY 228RR	2.2	RR	* 60	0	68	1	67	20	* <b>65</b>	<b>11</b>	2.5	40	09-Sep
SPANGLER	SPANSOY 249RR	2.4	RR	50	2	60	18	* 74	5	<b>61</b>	<b>12</b>	1.8	36	10-Sep
SPANGLER	SPANSOY 250	2.5	CN	54	0	* 74	7	69	17	* <b>66</b>	<b>12</b>	2.8	48	11-Sep
STINE	2091-4	2.0	RR	* 62	0	66	15	68	32	* <b>65</b>	<b>24</b>	2.7	39	12-Sep
STINE	2500	2.0	CN	51	3	63	60	* 76	9	<b>63</b>	<b>35</b>	2.8	39	08-Sep
STINE	2298-4	2.2	RR	* 59	0	63	28	* 77	22	* <b>66</b>	<b>25</b>	2.2	37	11-Sep
STINE	2499-0	2.4	CN	51	0	* 74	10	64	38	<b>63</b>	<b>24</b>	3.0	39	11-Sep
STINE	2490-1	2.4	CN	* 59	1	69	18	* 73	27	* <b>67</b>	<b>23</b>	2.8	37	11-Sep
STINE	2686	2.6	CN	51	1	64	15	60	17	<b>58</b>	<b>16</b>	2.8	35	10-Sep
STINE	2698-4	2.6	RR	48	1	60	38	68	20	<b>59</b>	<b>29</b>	2.0	38	11-Sep
STINE	2788	2.7	CN	56	0	61	15	62	35	<b>60</b>	<b>25</b>	2.7	36	11-Sep
STINE	2993-4	2.9	RR	56	0	60	10	62	28	<b>59</b>	<b>19</b>	3.7	43	11-Sep
TERRA	E 2181RR	2.1	RR	48	3	60	50	65	23	<b>58</b>	<b>37</b>	3.5	43	10-Sep
TERRA	E 248	2.4	CN	* 59	0	* 72	10	60	42	* <b>64</b>	<b>26</b>	3.0	39	11-Sep
TERRA	TS 253RR	2.5	RR	56	0	59	18	64	20	<b>60</b>	<b>19</b>	2.5	37	11-Sep
TERRA	TS 277	2.7	CN	* 62	1	62	23	71	30	* <b>65</b>	<b>27</b>	3.2	38	11-Sep
TERRA	E 2880RR	2.8	RR	56	1									
TRELAY	207	2.0	CN	* 58	3	62	75	* 82	20	* <b>67</b>	<b>48</b>	3.3	38	08-Sep
TRELAY	HIGH CYCLE 2211	2.1	RR	56	0	70	4	68	15	* <b>65</b>	<b>10</b>	2.3	42	09-Sep
TRELAY	248	2.4	CN	* 64	0	70	5	63	32	* <b>66</b>	<b>19</b>	3.0	38	12-Sep
TRELAY	268	2.6	CN	* 60	0	64	20	* 79	12	* <b>68</b>	<b>16</b>	2.8	37	12-Sep
MEAN				54	1	64	25	67	22	<b>61</b>	<b>24</b>	2.9	39	10-Sep
LSD(0.10)**				9		4		9		<b>4</b>				
LSD(0.30)**				6		3		6		<b>3</b>				

\* Yields preceded by a '\*' are not significantly different (0.10 level) than the highest yielding cultivar. Entries with blank values did not arrive in time for planting and are not included in ave.

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

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