



# 2001 Kentucky Soybean Performance Tests

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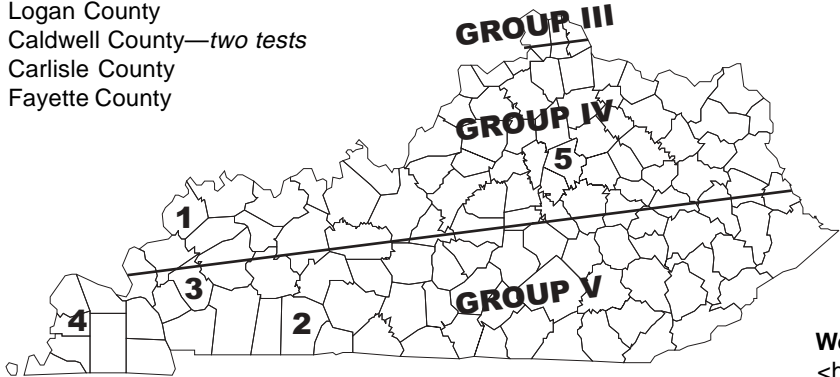
**Web Site Feature:** Selection key to create subsets of Summary Table 4. [Description on page 4.](#)

The Kentucky Soybean Performance Tests are conducted to provide an unbiased, objective estimate of the relative performance of soybean varieties in Kentucky. This information may be used by growers and seedsmen to aid in selecting varieties that will give the highest total production in a specific situation.

Six soybean tests were planted in 2001 in Kentucky. The test locations are shown below. Soil types, planting dates, and other information are shown in Table 1.

### Location of the 2001 Kentucky Soybean Tests

- 1. Union County
- 2. Logan County
- 3. Caldwell County—two tests
- 4. Carlisle County
- 5. Fayette County



### Methods

All tests were planted in a randomized complete block design by maturity group. The tests (Tables 5-10) had two replications (plots) of each variety. The individual plots were 20 feet long and 6 rows wide with 15 inches between rows (seeding rate: five to six viable seeds per foot of row). All plots were treated with herbicides and maintained as weed free as possible.

Harvesting was done with a small plot combine according to maturity; thus, several harvests were made at each location. Sixteen feet of the center rows were harvested from the plots. No allowances were made for soybeans that may have been lost because of combining or shattering.

**Yield**—Yield is reported in bushels per acre adjusted to 13% moisture.

**Lodging**—Lodging is rated on a scale of 1 to 5, where 1 = almost all plants erect; 2 = all plants over slightly or a few down; 3 = all plants over moderately or 25% down; 4 = all plants over considerably or 50 to 80% down; 5 = all plants over badly.

**Maturity date**—A variety is considered mature when 95% of the pods have turned their normal mature color. One to two weeks of good drying weather will be needed beyond the date given before the beans will be ready to combine. Maturity dates were recorded at the Fayette County location.

**Plant height**—Plant height was measured in inches from the soil surface to the tip of the main stem. Plant height was recorded at the Fayette County location.

**Web Site:**  
<<http://www.ca.uky.edu/agc/pubs/respubs.htm>>  
Scroll down the list to PR-451.

**Table 1. Location, Planting, and Climatic Data for the 2001 Soybean Performance Tests**

Test	Farmer	Extension Agent	Soil Type	Date of Planting	Soil Test	Fertilizer Applied <sup>2</sup>	50% Chance of Killing Frost <sup>3</sup>
<b>Caldwell County Full Season</b>	Princeton Exp. Station		Crider Silt Loam	5/10	P 135 K 658 pH 5.9	none	10/19
<b>Carlisle County Full Season</b>	Jeff and Roger Davis	Jason Hodge	Grenada Silt Loam	Maturity groups 3 & 4 5/29 Maturity group 5, 6/11	P 89 K 294 pH 6.2	none	10/19
<b>Fayette County Full Season</b>	Lexington Exp. Station		Maury Silt Loam	5/28	P 376 K 289 pH 6.2	none	10/26
<b>Logan County Full Season</b>	Richard Moore	Joanna Coles	Elk Silt Loam	5/14	P 148 K 345 pH 6.7	50 lb 18-46-0 100 lb 5-20-20	10/23
<b>Union County Full Season</b>	Adam O’Nan	Rankin Powell	Calloway Silt Loam	5/25	P 88 K 220 pH 6.7	none	10/25
<b>Caldwell County<sup>1</sup> Double Crop</b>	Princeton Exp. Station		Crider Silt Loam	6/25	P 135 K 658 pH 5.9	none	10/19

<sup>1</sup> No-till double cropped after wheat.

<sup>2</sup> Amount per acre.

<sup>3</sup> Based on 30-year average.

## Summary Table 4 is the recommended table.

### Interpretation

An important step in profitable soybean production is selecting good quality seed of the best varieties for your management system. The Kentucky Soybean Performance Tests are conducted to provide information useful in making this selection.

Performance of soybean varieties is affected by many factors, including year, location, soil type, and time of planting. A particular soybean variety is adapted for full season growth in a band approximately 100 miles wide from north to south (see map, page 1). Thus, the best variety in northern Kentucky may not be the best in southern areas. For this reason, the Kentucky Soybean Performance Tests are conducted at several locations in the major soybean-producing areas of the state. The yields as reported in this publication should be used for relative comparisons; actual yields on a grower’s farm may be different.

Performance of the soybean varieties will vary from year to year and location to location, depending on adaptability, weather conditions, and management. The performance data presented in the Table 4 summary have been averaged across years and locations. **Performance of a variety across a period of years and at several locations in the state is the best indicator of its production potential.** (See *Agronomy Notes*, Volume 21, No. 3, “Using Performance Test Results in Soybean Variety Selection in Kentucky.”)

Small differences in yield are usually of little importance. The yield of two varieties at a single location can differ because of chance factors (difference in soil characteristics, fertility, or availability of moisture), although the inherent yielding ability is the same. To decide if an observed yield difference is real, use the LSD (least significant difference) values cited at the bottom of the tables. The significance level used in the tables is 0.10. If the difference in yield is greater than the

LSD value, you can be reasonably certain that the entries actually do differ in yielding ability. Shaded yields in the tables represent top yielding varieties that are not significantly different from the top yielding variety (bold data) of the maturity group and year in which the bold data is located.

Yield is only one factor to consider in selecting a variety for your production system. Maturity, lodging resistance, disease resistance, and time and equipment availability are other factors that need to be considered. The economic management and control of weeds are additional factors to consider with the advent of Roundup Ready soybeans.

The data provided have been divided into maturity groups. Due to weather patterns at a location, maturity alone can affect yield; this impact will be reflected by large differences in the maturity group averages. Selecting varieties from several maturity groups can reduce the impact of these maturity group fluctuations. (See *Agronomy Notes*, Volume 25, No. 3, “Growing Soybean Varieties from Multiple Maturity Groups Can Reduce Yearly Yield Volatility.”)

The date of a 50% chance of a fall killing frost is important in determining which variety you select to plant. The dates presented in Table 1 are average dates over a long term. Actual dates will vary from year to year. For the date of a one-year-out-of-ten chance of a fall-killing frost, subtract 13 to 18 days from the dates in Table 1. For maximum yield, a variety must mature before the first killing frost in the fall. Maturity dates of varieties are listed for the Fayette County location. The relative maturity for each variety is found in Table 3.

If you have soybean cyst nematode problems, a resistant variety (indicated by a “\*” or “\*\*” suffix) should be used in your production system with a recommended crop rotation program. (See Kentucky Cooperative Extension Service publication *Soybean Cyst Nematode* (PPA-3), available at your county

Extension office.) The level of SCN infestation as well as the SCN race can be determined through the SCN laboratory at Princeton. **Test your fields.** Contact your county Extension office for more information on collecting and submitting samples. The importance of resistant varieties has increased as the number of acres affected by SCN has increased. SCN occurs in 32 western Kentucky counties, representing 90% of the state's soybean acreage. Low levels of SCN show few visible symptoms but can cause yield losses of up to 25%.

Soybean mosaic virus (SMV) may cause yield loss if soybean plants are infected prior to flowering. Due to the timing of insect populations that transmit the disease, double-cropped soybeans are more likely to be affected in Kentucky. Planting SMV-resistant varieties will avoid this possible yield loss. However, only a few varieties have been evaluated for SMV resistance. Check Table 3, "Company Disease-Resistance Specifications" for SMV resistance ratings.

Nineteen novel soybean varieties (indicated by a "NS" prefix) are being tested. These are just a few of the many that are emerging from both the public and private sectors. Some of these value-added soybean types will supply relatively small market niches, while others may be of a much broader market value. Novel soybeans generally yield less, so testing them will enable soybean producers to determine whether premiums for a given trait offset possible yield lag/drag. Examples are triple null soybeans, designed for edible soy products (this variety lacks three enzymes that produce off-flavors); natto soybeans, a small-seeded soybean used for food and export; and tofu, a big-seed/high-protein soybean also used for food and export. Other big-seed/high-protein types are used for animal food, which potentially has a large U.S. market.

### Growing Conditions and Special Circumstances

The year 2001 was an exceptional soybean production year across Kentucky; the predicted statewide yield average of 41 bu/a is the record high yield. Weather conditions in 2001 are best described as average. Although there were periods of dry and wet weather and cool and warm temperatures in various

locations, rainfall from April 1 through harvest ranged from +3 inches to -2 inches at weather stations near the soybean performance test locations. Similarly, monthly average temperatures across Kentucky during the growing season ranged from +2° in August to -2° in September. A late season hail-storm caused some shattering of the maturity group III varieties in the Caldwell County full season test.

### Soybean Production Information

The Kentucky Cooperative Extension Service has a series of publications, *Soybean Production in Kentucky*, which contains a more detailed discussion of soybean production practices: Part I: *Status, Uses, and Planning* (AGR-128); Part II: *Seed Selection, Variety Selection, and Fertilization* (AGR-129); Part III: *Planting Practices and Double Cropping* (AGR-130); Part IV: *Weed, Disease, and Insect Control* (AGR-131); Part V: *A Soybean Planting Rate Guide*. The planting guide is reproduced below from this series for your convenience (Table 2).

### Kentucky State Seed Law

The Kentucky State Seed Law requires all seed exposed, offered for sale, or sold in Kentucky to be labeled as to kind and variety for each agricultural seed component present in excess of 5% of the whole and the percentage by weight of each component. All soybean seed blends should be labeled as to the percentage of each variety that makes up the mixture. The term "variety unknown" may no longer be used in place of a variety designation for soybeans, as all soybean seed must be labeled by variety name.

### Acknowledgments

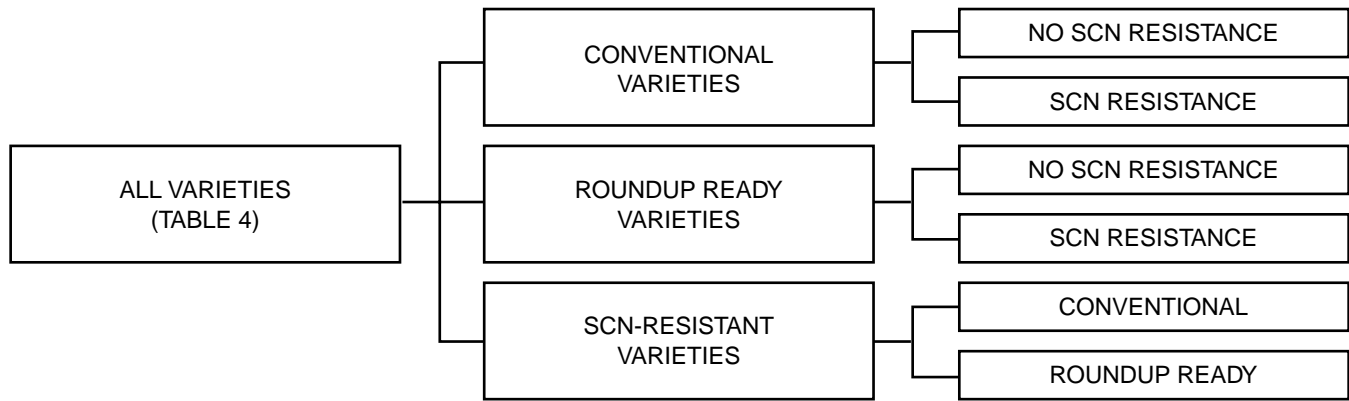
In addition to the county agents and farm cooperators mentioned in Table 1, Thomas R. Stefaniak, David Pilcher, Susan Leopold, Chad Grote, John Cole, and Alex Cherry have contributed greatly to the production of this publication. Don Hershman, Extension Plant Pathologist at the University of Kentucky Research and Education Center in Princeton, also provided excellent information. The New Crop Opportunity Grain Group is supporting the testing of novel soybean varieties.

**Table 2. Soybean Planting Guide**

Row spacing (inches)	7	15	20	30	36
Seeding Rate (seeds per ft of row)	2-3	5-6	6-8	8-10	9-11
Viable seeds per pound	-----Pounds of Seed per Acre -----				
2,000	80-110	85-105	78-104	70-87	65-80
2,200	73-100	77-95	71-95	64-79	59-72
2,400	66-93	71-88	65-87	58-73	54-66
2,600	61-86	65-81	60-80	54-67	50-61
2,800	57-80	61-75	56-75	50-62	46-56
3,000	53-75	57-70	52-70	46-58	43-53
3,200	50-70	53-66	49-65	44-54	41-49
3,400	47-66	50-62	46-61	41-51	38-46
3,600	44-62	47-58	44-58	39-48	36-44
3,800	42-59	45-55	41-55	37-46	34-42
4,000	40-56	43-53	39-52	35-44	33-40

**Selection Key: <http://www.ca.uky.edu/agc/pubs/pr/pr451/pr451.pdf>**

This feature of the 2001 Kentucky Soybean Performance Test Web site allows subsets of Table 4, Summary: Variety Test Tables 5-10. Sorting of the data in Table 4 provides alternative views of the data to show those varieties that are selected by basic questions a soybean producer might ask. For example, a soybean producer interested in Roundup Ready SCN-resistant varieties would click the “Roundup Ready” box connected to the SCN variety box.



**Sources of Seeds**

The seed planted in the 2001 Soybean Performance Tests was acquired from the following sources:

**Bio Gene Seeds**

5491 Tri-county Hwy.  
Sardinia, OH 45171  
BIO GENE BG 4401NRR

**Caverndale Farms, Inc.**

1921 Bluegrass Road  
Danville, KY 40422  
CAVERNDALE CF 489nRR  
CAVERNDALE CF 444nRR  
CAVERNDALE CF 461  
CAVERNDALE CF 392nRR  
CAVERNDALE CF 492

**Crow's Hybrid Corn Company**

14575 University  
Waukee, IA 50263  
CROW'S C4417R  
CROW'S C48009RN  
CROW'S C5118R

**Delta and Pine Land Company**

7265 Hwy. 9 South  
Centre, AL 35960  
DELTA AND PINE LAND DP4344RR  
DELTA AND PINE LAND DP4690RR  
DELTA AND PINE LAND DP4748S

**Delta King Seed Company**

P.O. Box 970  
McCrary, AR 72101  
DELTA KING XTJ 184 RR  
DELTA KING XTJ 193 RR  
DELTA KING XTJ 183 RR  
DELTA KING XTJ 174 RR  
DELTA KING XTJ 124 RR  
DELTA KING 5762 RR  
DELTA KING 5668 RR  
DELTA KING 5661 RR

DELTA KING 5465 RR  
DELTA KING 5366 RR  
DELTA KING 5995  
DELTA KING 4965 RR  
DELTA KING 4868 RR  
DELTA KING 4762 RR  
DELTA KING 4711  
DELTA KING 4680  
DELTA KING 3964 RR  
DELTA KING 3961 RR

**Donley Seed Company**

8888 Parsons Road  
Croton, OH 43013  
AGVENTURE SEED AV 6441 N RR  
AGVENTURE SEED AV 6489 N RR  
AGVENTURE SEED AV 6501 N RR

**Excel Brand**

116 East State  
Camp Point, IL 62320  
EXCEL 8494NRR  
EXCEL 8525NRR

**Garst Seed Company**

7728 State Road  
Hickory, KY 42051  
GARST SEED D484 RR/N  
GARST SEED D399 RR/N

**Gateway Seed Company**

5517 Van Buren Road  
Nashville, IL 62263  
GATEWAY 493  
GATEWAY 4R472  
GATEWAY 4R483

**Golden Harvest**

RR 3 Box 257  
Clinton, IL 61727  
GOLDEN HARVEST H-3983RR  
GOLDEN HARVEST H-4459STS  
GOLDEN HARVEST H-4147RR  
GOLDEN HARVEST H-4534RR  
GOLDEN HARVEST H-4850RR  
GOLDEN HARVEST H-5137RR

**Great Lakes Hybrids, Inc.**

9915 West M-21  
Ovid, MI 48866  
GREAT LAKES GL 4309 RR  
GREAT LAKES GL 4800 RR  
GREAT LAKES GL 5309 RR  
GREAT LAKES GL 4909 RR  
GREAT LAKES GL 4109 RR

**Hornbeck Seed Co., Inc.**

PO Box 472, 210 Drier Road  
DeWitt, AR 72042-0472  
HORNBECK HBK 4891  
HORNBECK HBK R4660  
HORNBECK HBK R4820  
HORNBECK HBK R4920  
HORNBECK HBK R5588  
HORNBECK HBK R5420

**Kentucky Foundation Seed Project**

P.O. Box 11950  
Lexington, KY 40497  
ANAND  
CAVINESS  
DELISOY 5500  
HOLLADAY  
HUTCHESON  
INA  
K1425  
MANOKIN  
REND  
STRESSLAND  
TROLL

**Land O'Lakes, Inc./Cropland Genetics**

P.O. Box 146  
Blytheville AR 72315  
CROPLAN GENETICS RC3838  
CROPLAN GENETICS RC3866  
CROPLAN GENETICS RT4241  
CROPLAN GENETICS RC4444  
CROPLAN GENETICS RC4848  
CROPLAN GENETICS YRC49  
CROPLAN GENETICS RC4995  
CROPLAN GENETICS YRC51  
CROPLAN GENETICS RC5252  
CROPLAN GENETICS RC5454

**LG Seeds**

1122 East 169th Street  
Westfield, IN 46074  
LG SEEDS C9447RR  
LG SEEDS C4350NRR  
LG SEEDS C9474  
LG SEEDS C9480RR  
LG SEEDS C5151NRR

**Miles Seed**

PO Box 22879  
Owensboro, KY 42304  
SOUTHERN CROSS-AARON 4.5N-ST  
SOUTHERN CROSS-ANDREW 3.9N-RR  
SOUTHERN CROSS-JEREMIAH 4.3N-RR  
SOUTHERN CROSS-SOLOMON 3.8-RR  
SOUTHERN CROSS-TITUS 4.8N-RR

**Monsanto**

3100 Sycamore Road  
Dekalb, IL 60115  
ASGROW AG 3902  
ASGROW AG 3903  
ASGROW AG 4301  
ASGROW AG 4324  
ASGROW AG 4403  
ASGROW AG 4702  
ASGROW AG 4902  
ASGROW AG 5001  
ASGROW AG 5501  
DEKALB CX480cRR  
DEKALB DKB38-52  
DEKALB DKB40-51  
DEKALB DKB44-51  
DEKALB DKB45-51

**Pioneer Hi-Bred Int'l., Inc.**

6767 Old Madison Pike, Suite 110  
Huntsville, AL 35806  
PIONEER VARIETY 93B67  
PIONEER VARIETY 93B85  
PIONEER VARIETY 93B87  
PIONEER VARIETY 94B23  
PIONEER VARIETY 94B53  
PIONEER VARIETY 94B54  
PIONEER VARIETY 94B73  
PIONEER VARIETY 95B32  
PIONEER VARIETY 95B33  
PIONEER VARIETY 95B53

**Prairie Stream Farms, Inc.**

2175 East Kelley Road  
Frankfort, IN 46041  
PRAIRIE STREAM FARMS PSF 3501RR  
PRAIRIE STREAM FARMS PSF 3598RR  
PRAIRIE STREAM FARMS PSF 3999NRR  
PRAIRIE STREAM FARMS PSF 4102NRR

**Royster-Clark, Inc.**

70 North Market Street  
Mt. Sterling, OH 43143  
VIGORO V422NRR  
VIGORO V462NRR  
VIGORO V472NRR  
VIGORO V512NRR  
VIGORO V543NRR

**Seed Consultants, Inc.**

PO Box 370  
Washington Courthouse, OH 43160  
SEED CONSULTANTS SC 9442 RR

**Southern States Cooperative**

PO Box 26234  
Richmond, VA 23260  
SOUTHERN STATES 5200-ST  
SOUTHERN STATES RT-5001N  
SOUTHERN STATES RT-5401N  
SOUTHERN STATES 381-ST  
SOUTHERN STATES 439  
SOUTHERN STATES RT-3799N  
SOUTHERN STATES RT-3975  
SOUTHERN STATES RT-446N  
SOUTHERN STATES RT-4495N  
SOUTHERN STATES RT-4980  
SOUTHERN STATES RT-517N  
SOUTHERN STATES RT-557N  
SOUTHERN STATES 4483N-ST  
SOUTHERN STATES RT-4098

**Stine Seed Company**

2225 Laredo Trail  
Adel, IA 50003-8240  
STINE 3632-4  
STINE 3763-4  
STINE 3800-4  
STINE 3808-4  
STINE 3870-0  
STINE 4202-4  
STINE 4700-4  
STINE 4702-2

**Syngenta Seeds**

535 Pennyrile Drive  
Madisonville, KY 42431  
NK BRAND S38-E9  
NK BRAND S38-T8  
NK BRAND S39-Q4  
NK BRAND S42-H1  
NK BRAND S46-G2  
NK BRAND S52-U3

**UAP Mid South**

57 Germantown Ct., Suite 200  
Cordova, TN 38018  
DYNA-GRO 3468N RR  
DYNA-GRO 3521N RR  
DYNA-GRO 3484N RR  
DYNA-GRO 3518N RR

**Unisouth Genetics, Inc.**

2640-C Nolensville Road  
Nashville, TN 37211  
UNISOUTH GENETICS USG 510nRR  
UNISOUTH GENETICS USG 540nRR  
UNISOUTH GENETICS USG 7547RR  
UNISOUTH GENETICS USG 7499

**Novel Soybean Varieties****Excel Brand**

Dr. Ronald Secrist  
116 East State Street  
Camp Point, IL 62320  
DAIRYLAND DST 4203 (large-seeded  
food type)

**University of Illinois**

Dick Bernard  
Department of Crop Sciences  
AW-101 Turner Hall  
1102 South Goodwin Avenue  
Urbana, IL 61801-4798  
L96-5104 (natto)

**Iowa Foundation Seed**

Lynn Henn  
Committee for Agricultural Development  
133 Curtis Hall  
Ames, IA 50011-1050  
IA 2025 (triple null)  
IA 3011 (tofu)  
IA 4001 (natto)  
IA 3001 (high protein)

**Kansas State University**

Bill Schapaugh  
Agronomy Department  
2004 Throckmorton Plant Sciences Center  
Manhattan, KS 66506-5501  
K 1431 (high protein)  
K 1433 (high protein)  
K 1436 (high protein)  
K 93-81-37 (small-seeded food type)  
K 93-86-14 (small-seeded type)  
K 93-9-56 (large-seeded food type)

**University of Nebraska**

George L. Graef  
Soybean Breeding and Genetics  
Department of Agronomy  
Lincoln, NE 68583-0915  
NE 3396 (high protein)  
U97-207427 (high protein)  
U95-3813 (natto)

**Ohio Foundation Seeds**

Jack Debolt  
11491 Foundation Road, Box 6  
Croton, OH 43013  
FG 1 (tofu)

**Pioneer Hi-Bred International**

Steve Voss  
Supply Logistics Research/Samples Group  
7204 NW 70th Avenue  
Johnston, IA 50131  
P9305 (tofu)

**Rupp Seeds, Inc.**

17919 Co. Road B  
Wauseon, OH 43567  
RUPP SEED EXP. 2702 (tofu type)  
RUPP SEED EXP. 2703 (tofu type)

**Table 3. Company Disease Resistance Specifications for Entries in the 2001 Kentucky Soybean Performance Tests<sup>A</sup>**

Variety / Brand	Relative Maturity Group	Soybean Cyst Nematode Resistance	Phytophthora sojae <sup>B</sup>		Sudden Death Syndrome <sup>C</sup>	Soybean Mosaic Virus <sup>C</sup>	Stem Canker <sup>C</sup>	Other Reported Resistance
			Resistance Gene Rps	Field Tolerance <sup>C</sup>				
~ AGVENTURE SEED AV 6441 N RR	4.4	3, 14	1a	MT				
~ AGVENTURE SEED AV 6489 N RR	4.8	3, 14		T				
~ AGVENTURE SEED AV 6501 N RR	5.1	3, 14		MT	MR			
P ANAND	5.7	3, 5, 14					MR	
ASGROW A 4324	4.3	3		MT	MR			R
~ ASGROW AG 3902	3.9	3			MR			
~ ASGROW AG 3903	3.9	3	1c		MR			
~ ASGROW AG 4301	4.3	3		MT	MR			R
~ ASGROW AG 4403	4.4	MR-3	1a	MS	MR			R
~ ASGROW AG 4702	4.7	3, 14		MT	MR			R
~ ASGROW AG 4902	4.9	3, 14	1k	MT	MR			R
~ ASGROW AG 5001	5.0			MT	R			R
~ ASGROW AG 5501	5.5	3		MT	R			R
~ BIO GENE BG 4401NRR	4.4	3, 14	1a		MS			MR
~ CAVERNDALE CF 392nRR	3.9	3, 14		MT	MR			
~ CAVERNDALE CF 444nRR	4.4	3, 14	1a		MR			
CAVERNDALE CF 461	4.6		RACE 7					
~ CAVERNDALE CF 489nRR	4.8	3, 14			MR			
CAVERNDALE CF 492	4.9					R		R
P CAVINESS	5.7	3, 14		MT	MR			R
~ CROPLAN GENETICS RC4848	4.8	3, 14						
~ CROPLAN GENETICS RC3838	3.8	3, 14	1c					R
~ CROPLAN GENETICS RC3866	3.8	3, 5, 14	1k		MR			
~ CROPLAN GENETICS RC4444	4.4	3, 14	1a					
~ CROPLAN GENETICS RC4995	4.9				MR	MR		
~ CROPLAN GENETICS RC5252	5.2	3, 14		T	MR			
~ CROPLAN GENETICS RC5454	5.4	3, 14		T				
~ CROPLAN GENETICS RT4241	4.2							
~ CROPLAN GENETICS YRC49	4.9	3, 9	1a, 3a, 7		R	MR		R
~ CROPLAN GENETICS YRC51	5.1	3, 14			MR			
~ CROW'S C4417R	4.4	3, 14	1a	MT	MR	MR		MR
~ CROW'S C48009RN	4.8	3, 14		MT	MS	MR		MR
~ CROW'S C5118R	5.1	3, 14		MT	MR	MR		MR
~ CROW'S C5410R	5.4	3, MR-14		T	MS			R
NS DAIRYLAND DST4203 (large-seeded)	4.5				R			
~ DEKALB CX480cRR	4.8	3, 9, 14		MT	MR			R
~ DEKALB DKB38-52	3.8	3, 14	1c		MR			
~ DEKALB DKB40-51	4.0	3			MR			MR
~ DEKALB DKB44-51	4.4	MR-3	1a	MS	MR			MR
~ DEKALB DKB45-51	4.5	3			MR			MR
P DELSOY 5500	5.5	3, 14						
~ DELTA AND PINE LAND DP4344RR	4.3			T	MR	MR	R	MR-FROGEYE LEAF SPOT
~ DELTA AND PINE LAND DP4690RR	4.6			T	R	R	R	
DELTA AND PINE LAND DP4748S	4.7						R	
~ DELTA KING 3961 RR	3.9	3, 14		S	MR			
~ DELTA KING 3964 RR	3.9	3, 14		MT	MR			
DELTA KING 4680	4.6			S	MR			
DELTA KING 4711	4.7			T	MR		MR	MR-FROGEYE LEAFSPOT
~ DELTA KING 4762 RR	4.7	3, 14		T				
~ DELTA KING 4868 RR	4.8		1a	T	MR			MR-FROGEYE LEAFSPOT
~ DELTA KING 4965 RR	4.9	3, 14		T	MR			
~ DELTA KING 5366 RR	5.3	3, 14	1c					R-ROOT KNOT
~ DELTA KING 5465 RR	5.4	3, 14	1k	MT				R-ROOT KNOT
~ DELTA KING 5661 RR	5.6	3, 14		T	MR			
~ DELTA KING 5668 RR	5.6	3, 14	1k					
~ DELTA KING 5762 RR	5.7	3, 14		T	MR		MR	MR-FROGEYE LEAFSPOT
DELTA KING 5995	5.9	3, 14		T	R		MR	R-FROGEYE LEAFSPOT
~ DELTA KING XTJ 124 RR	4.2	3, 14	1a	MT	MR			
~ DELTA KING XTJ 174 RR	4.7	3, 14		MT	MR			
~ DELTA KING XTJ 183 RR	3.8		1k		R			
~ DELTA KING XTJ 184 RR	4.8	3, 14		T	MR			
~ DELTA KING XTJ 193 RR	3.9	3, 14	1c	T	MS			
~ DYNA-GRO 3468N RR	4.6	3, 14		MT				R
~ DYNA-GRO 3484N RR	4.8	3, 14		MT				R
~ DYNA-GRO 3518N RR	5.1	3, 14		MT				R
~ DYNA-GRO 3521N RR	5.2	3, 14		MT				R
~ EXCEL 8494NRR	4.9	3, 14		MT	MR			
~ EXCEL 8525NRR	5.2	3, 14		MT	MR			
NS FG 1 (tofu type)	3.0							
~ GARST SEED D399 RR/N	3.9	3, 14						

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**Table 3. Company Disease Resistance Specifications for Entries in the 2001 Kentucky Soybean Performance Tests<sup>A</sup>**

Variety / Brand	Relative Maturity Group	Soybean Cyst Nematode Resistance	Phytophthora sojae <sup>B</sup>		Sudden Death Syndrome <sup>C</sup>	Soybean Mosaic Virus <sup>C</sup>	Stem Canker <sup>C</sup>	Other Reported Resistance
			Resistance Gene Rps	Field Tolerance <sup>C</sup>				
~ GARST SEED D484 RR/N	4.8	3, 14						
GATEWAY 493	4.9	3		MT	R	S	MR	
~ GATEWAY 4R472	4.7			MT	MR	S	S	
~ GATEWAY 4R483	4.8	3, 14		MT	MS	S	S	
~ GOLDEN HARVEST H-3983RR	3.9		1a	MT	MR			
~ GOLDEN HARVEST H-4147RR	4.1	MR-3, MR-14			MR			
GOLDEN HARVEST H-4459STS	4.4	3, 14		MT	MR			
~ GOLDEN HARVEST H-4534RR	4.5	MR-3, MR-14	1a	MT	MR		MR	
~ GOLDEN HARVEST H-4850RR	4.8	3, MR-14		MT	MR		R	
~ GOLDEN HARVEST H-5137RR	4.9	3, 14			MR		R	
~ GREAT LAKES GL 4109 RR	4.1	3		MT	MS	S	S	
~ GREAT LAKES GL 4309 RR	4.3	3, 14		MT	MR	S	S	
~ GREAT LAKES GL 4800 RR	4.8			MT	MR	S	S	
~ GREAT LAKES GL 4909 RR	4.9	3, MR-14						
~ GREAT LAKES GL 5309 RR	5.3	3, 14		MT	MR	S		
P HOLLADAY	5.5						MR	
HORNBECK HBK 4891	4.7			T	R	MR	R	
~ HORNBECK HBK R4660	4.6	3, 14		T	R	MR	R	
~ HORNBECK HBK R4820	4.8	3		T	MR	MR	S	
~ HORNBECK HBK R4920	4.9			T	MR	MR	R	
~ HORNBECK HBK R5420	5.4	3		T	MR	MR	R	
~ HORNBECK HBK R5588	5.5	3, MR-14	1c		MR	MR	R	
P HUTCHESON	5.4					R	R	R-PEANUT STUNT VIRUS
NS IA 2025 (triple null)	2.8							
NS IA 3001 (high protein)	3.0							
NS IA 3011 (tofu type)	2.9							
NS IA 4001 (natto type)	4.0							
P INA	4.5	1, 2, 3, 4, 5						
NS K 1431 (high protein)	4.3							
P K1425	early 5	2, 3, 4, 14						
NS K1433 (high protein)	4+							
NS K1436 (high protein)	5+							
NS K93-81-37 (small-seeded food type)	4+							
NS K93-86-14 (small-seeded type)	early 5							
NS K93-9-56 (large-seeded food type)	4+							
NS L96-5104 (natto type)	4.5							
~ LG SEEDS C4350NRR	4.3	3		T	MR			
~ LG SEEDS C5151NRR	5.1	3, 14		MT	MR		R	
~ LG SEEDS C9447RR	4.7			T	R			
LG SEEDS C9474	4.7			T	R			
~ LG SEEDS C9480RR	4.8			T	R			
P MANOKIN	4.9	3			MR		R	MR-ROOT KNOT
NS NE 3396 (high protein, high yield)	3.3							
NK BRAND S38-E9	3.8		1c	MT	MS		R	
NK BRAND S38-T8	3.8	3, 14	1c	MT	MR		R	
~ NK BRAND S39-Q4	3.9		1c	MS	MS	S	R	
NK BRAND S42-H1	4.2	3, 14		MT	MR		R	
~ NK BRAND S46-G2	4.6	3, 14		MT	MR		R	
~ NK BRAND S52-U3	5.2	3, 9, 14		MT	MS		R	
~ PIONEER VARIETY 93B67	3.6	3, 14	1c	MT	S			
~ PIONEER VARIETY 93B85	3.8	3, 14		MT	MS			
PIONEER VARIETY 93B87	3.8		1k	MT	MR			
~ PIONEER VARIETY 9492	4.9	3, 14		MT	MS			MR-FROGEYE LEAFSPOT
~ PIONEER VARIETY 94B23	4.2	3		MT	MS			
PIONEER VARIETY 94B53	4.5	3, 14		MT	MR			
~ PIONEER VARIETY 94B54	4.5	3, 14		MS	MR			
~ PIONEER VARIETY 94B73	4.7		1k	MS	MS			
~ PIONEER VARIETY 95B32	5.3	3, 14		MT	MR			
PIONEER VARIETY 95B33	5.3	3, 14		MT	MR			
~ PIONEER VARIETY 95B53	5.5	3, 14		MT	MR		MR	
NS PIONEER VARIETY P9305 (tofu type)	3.0							
~ PRAIRIE STREAM FARMS PSF 3501RR	3.5				MS			R-BROWN STALK ROT
~ PRAIRIE STREAM FARMS PSF 3598RR	3.5				MR			R-BROWN STALK ROT
~ PRAIRIE STREAM FARMS PSF 3999NRR	3.9	3, 14			MR			MR-BROWN STALK ROT
~ PRAIRIE STREAM FARMS PSF 4102NRR	4.1	3, 14			MR			
P REND	4.4	3, 4						
NS RUPP SEED EXP. 2702 (tofu type)	2.8					S		
NS RUPP SEED EXP. 2703 (tofu type)	2.8					S		
~ SEED CONSULTANTS SC 9442 RR	4.4	3, 14	1a	MT	MR			
SOUTHERN CROSS-AARON 4.5N-ST5	4.5	3, 14		MS	MS			STS

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**Table 3. Company Disease Resistance Specifications for Entries in the 2001 Kentucky Soybean Performance Tests<sup>A</sup> (continued)**

Variety / Brand	Relative Maturity Group	Soybean Cyst Nematode Resistance	Phytophthora sojae <sup>B</sup>		Sudden Death Syndrome <sup>C</sup>	Soybean Mosaic Virus <sup>C</sup>	Stem Canker <sup>C</sup>	Other Reported Resistance
			Resistance Gene Rps	Field Tolerance <sup>C</sup>				
~ SOUTHERN CROSS-ANDREW 3.9N-RR	3.9	3, 14		MS	MS			
~ SOUTHERN CROSS-JEREMIAH 4.3N-RR	4.3	3		T	MR			
~ SOUTHERN CROSS-SOLOMON 3.8-RR	3.8		1a	MS	MR			
~ SOUTHERN CROSS-TITUS 4.8N-RR	4.8	3, 14		MS	MR			
SOUTHERN STATES 381-STS	3.8			T				
SOUTHERN STATES 439	4.3			T				
SOUTHERN STATES 4483N-STS	4.4	3, 14		T				
SOUTHERN STATES 5200-STS	5.2			T				
~ SOUTHERN STATES RT-3799N	3.7	3, 14		T				
~ SOUTHERN STATES RT-3975	3.8			T				
~ SOUTHERN STATES RT-4098	4.0			T				
~ SOUTHERN STATES RT-446N	4.4	3		T				
~ SOUTHERN STATES RT-4495N	4.4	3, 14		T				
~ SOUTHERN STATES RT-4980	4.9			T				
~ SOUTHERN STATES RT-5001N	5.0	3, 14		T				
~ SOUTHERN STATES RT-517N	5.1	3, 14		T			MR	
~ SOUTHERN STATES RT-5401N	5.4	3, 14		T			MR	
~ SOUTHERN STATES RT-557N	5.5	3, 14		T			MR	
~ STINE 3632-4	3.6	3, 14	1k					
~ STINE 3763-4	3.7		1k					
~ STINE 3800-4	3.9		1a					
~ STINE 3808-4	4.0							STS
STINE 3870-0	3.9		1a					
~ STINE 4202-4	4.3	3, 14						STS
~ STINE 4700-4	4.8		1a					
STINE 4702-2	4.5	3, 14						
P STRESSLAND	4.9			T				
P TROLL	4.0		1k					
NS U95-3813 (natto type)	3.0							
NS U97-207427 (high protein, high yield)	2.9							
~ UNISOUTH GENETICS USG 510nRR	5.1	MR-3, MR-14			R			R-ROOT KNOT
~ UNISOUTH GENETICS USG 540nRR	5.4	MR-3, MR-14						
UNISOUTH GENETICS USG 7499	4.9					R		
~ UNISOUTH GENETICS USG 7547RR	5.4							
~ VIGORO V422NRR	4.2	3		MS	MR			
~ VIGORO V462NRS	4.6	3, 14		T	R			STS
~ VIGORO V472NRR	4.7	3, 14		MT	MR		MR	
~ VIGORO V512NRR	5.1	3, 14		MT	MR		R	
~ VIGORO V543NRR	5.4	3, 14		MT			R	MR-FROGEYE LEAFSPOT

~ Roundup Ready variety.

P Entries with a P prefix are public varieties.

NS Entries with a NS prefix are novel soybean varieties that are emerging from both the public and private sectors. Some of these value-added soybean types will supply relatively small market niches, while others may be of much broader market value. Testing novel soybeans will enable producers to assess whether premiums for a given trait offset possible yield lag/drag.

<sup>A</sup> This information is provided by the companies and has not been checked by the soybean variety test project.

<sup>B</sup> All races of *Phytophthora sojae* so far identified in Kentucky can be controlled with varieties with Rps 1c or 1k. Race-specific resistance is highly effective, but a proper match between pathogen race and variety is essential. Field tolerance is a lower level of protection to the fungus that will provide good (not excellent) control against all races. Seed and young seedlings of tolerant varieties must be protected with an appropriate fungicide since field tolerance develops after the early seedling growth stage.

<sup>C</sup> Blank spaces=no data provided by seed company or data unknown.

Key: S=susceptible, MS=moderately susceptible, MR=moderately resistant, R=resistant, T=tolerant, MT=moderately tolerant.



TABLE 4. 2001 SUMMARY: VARIETY TEST TABLES 5-10

VARIETY / BRAND	YIELD (BU/AC) <sup>A</sup>			LODGING		
	2001	00-01	99-01	2001	00-01	99-01
<b>EARLY ( GROUP III )</b>						
PIONEER VARIETY 93B87	59.5			2.3		
NK BRAND S38-E9	58.7			2.0		
~ DELTA KING XTJ 193 RR**	58.4			1.6		
~ STINE 3800-4	58.4	59.6		1.7	1.6	
~ NK BRAND S39-Q4	58.1			2.0		
~ GOLDEN HARVEST H-3983RR	58.1	59.2		1.8	1.7	
STINE 3870-0	56.4	61.0		2.1	2.0	
~ DEKALB DKB38-52**	55.8			1.7		
~ CROPLAN GENETICS RC3838**	55.5			1.8		
~ SOUTHERN CROSS-SOLOMON 3.8-RR	55.4	57.2		2.3	1.9	
~ ASGROW AG 3903*	55.3			2.1		
~ STINE 3632-4**	54.6			1.6		
~ DELTA KING 3964 RR**	54.2			2.5		
~ ASGROW AG 3902*	53.5			1.9		
NK BRAND S38-T8**	53.5	54.4		2.1	1.8	
~ PIONEER VARIETY 93B67**	53.2			1.9		
~ GARST SEED D399 RR/N**	52.6			2.2		
~ SOUTHERN CROSS-ANDREW 3.9N-RR**	52.4			1.9		
~ DELTA KING 3961 RR**	52.1			1.8		
~ PRAIRIE STREAM FARMS PSF 3501RR	52.0			2.4		
~ CROPLAN GENETICS RC3866**	51.9			1.8		
~ SOUTHERN STATES RT-3799N**	51.9	54.9		1.8	1.6	
~ DELTA KING XTJ 183 RR	51.8			1.9		
NS FG 1 (tofu type)	51.5	51.4		2.5	1.9	
~ SOUTHERN STATES RT-3975	51.2	52.2	48.4	2.2	1.9	1.9
~ CAVERNDAL CF 392nRR**	51.1			2.0		
~ PIONEER VARIETY 93B85**	50.8			2.0		
NS PIONEER VARIETY P9305 (tofu type)	50.1	50.8		1.8	1.6	
SOUTHERN STATES 381-ST5	49.4	52.4	49.2	2.7	2.3	2.3
~ STINE 3763-4	48.6	54.5		1.8	1.6	
NS NE 3396 (high protein, high yield)	48.2	51.6		2.0	1.9	
~ PRAIRIE STREAM FARMS PSF 3999NRR**	48.2			2.1		
NS IA 3001 (high protein)	46.8			2.0		
NS IA 3011 (tofu type)	46.6	47.0		1.7	1.6	
~ PRAIRIE STREAM FARMS PSF 3598RR	46.0			2.2		
NS U97-207427 (high protein, high yield)	45.6	49.6		2.1	1.9	
NS RUPP SEED EXP. 2702 (tofu type)	44.1			3.3		
NS RUPP SEED EXP. 2703 (tofu type)	42.6			2.8		
NS IA 2025 (triple null)	42.2	45.1		1.6	1.4	
NS U95-3813 (natto type)	41.5	44.0		1.3	1.3	
GROUP III AVERAGE	51.7	52.8	48.8	2.0	1.8	2.1
LSD (0.10)	2.3	2.2	1.9	0.2	0.1	0.2
<b>MID-SEASON ( GROUP IV )</b>						
~ DELTA KING XTJ 174 RR**	58.2			2.4		
~ HORNBECK HBK R4820*	57.8			2.0		
LG SEEDS C9474	57.5	59.8	56.0	3.0	2.5	2.5
~ STINE 4202-4**	56.9			1.9		
~ CROW'S C4417R**	56.8			2.1		
NS DAIRYLAND DST4203 (large-seed food type)	56.6			2.2		
~ DELTA KING 4868 RR	56.5	57.5	54.4	2.3	1.9	2.0
~ DEKALB DKB44-51*	56.4	55.3		2.0	1.6	
~ CROPLAN GENETICS RC4444**	56.2			2.1		
DELTA AND PINE LAND DP4748S	56.1			3.2		
DELTA KING 4680	55.8	58.7		2.8	2.3	
DELTA KING 4711	55.8	58.4		2.9	2.4	
~ SEED CONSULTANTS SC 9442 RR**	55.7			1.9		
~ DELTA AND PINE LAND DP4690RR	55.6	58.2		2.8	2.3	
~ BIO GENE BG 4401NRR**	55.5			2.0		
~ PIONEER VARIETY 94B73	55.4			2.6		
~ DELTA KING XTJ 124 RR**	54.8			2.0		
~ CAVERNDAL CF 444nRR**	54.7			2.1		
HORNBECK HBK 4891	54.6	55.4	52.9	2.6	2.1	2.2
~ STINE 4700-4	54.6			1.9		
~ GATEWAY 4R483**	54.4			2.6		
CAVERNDAL CF 492	54.1	57.5	53.8	2.5	2.1	2.2
ASGROW A 4324*	53.7	56.5		2.7	2.2	
~ ASGROW AG 4403*	53.7	56.5		2.1	1.8	
~ GREAT LAKES GL 4800 RR	53.7	55.3		2.7	2.2	

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TABLE 4. 2001 SUMMARY: VARIETY TEST TABLES 5-10 (continued)

VARIETY / BRAND	YIELD (BU/AC) <sup>A</sup>			LODGING		
	2001	00-01	99-01	2001	00-01	99-01
~ AGVENTURE SEED AV 6441 N RR**	53.4			2.1		
~ DELTA KING XTJ 184 RR**	53.4			2.6		
~ GOLDEN HARVEST H-4534RR**	53.4			1.8		
~ PIONEER VARIETY 9492**	53.1	54.2	51.4	2.1	1.9	1.9
~ PIONEER VARIETY 94B23*	53.1			2.6		
~ GATEWAY 4R472	53.0	56.4		2.6	2.3	
~ ASGROW AG 4301*	52.9	54.8	52.3	2.3	1.9	2.0
~ ASGROW AG 4902**	52.9	54.5	51.7	2.2	2.0	2.0
~ LG SEEDS C9480RR	52.9	55.2	51.5	2.9	2.4	2.4
~ CROPLAN GENETICS RC4848**	52.7	56.1	53.1	2.5	2.1	2.2
~ PIONEER VARIETY 94B54**	52.7			2.4		
~ GOLDEN HARVEST H-4850RR**	52.6			2.4		
~ SOUTHERN STATES RT-4980	52.6	53.8		2.8	2.2	
~ CROPLAN GENETICS RC4995	52.5			3.0		
~ GARST SEED D484 RR/N**	52.5			2.3		
P STRESSLAND	52.2	55.1	52.4	3.0	2.4	2.4
~ HORNBECK HBK R4920	52.1	54.2		3.1	2.6	
SOUTHERN STATES 4483N-ST5**	52.1	55.3		2.4	2.0	
P TROLL	52.0	55.6	52.4	1.3	1.3	1.3
CAVERNDALE CF 461	51.8	53.4	50.2	3.0	2.4	
GOLDEN HARVEST H-4459ST5**	51.8	56.7	55.6	2.8	2.3	2.3
~ SOUTHERN CROSS-TITUS 4.8N-RR**	51.8	54.7		2.5	2.1	
~ ASGROW AG 4702**	51.7	53.8	51.1	2.1	1.8	1.8
~ VIGORO V472NRR**	51.6			2.4		
~ DYNA-GRO 3484N RR**	50.9			2.0		
~ CROW'S C48009RN**	50.8			2.5		
~ GREAT LAKES GL 4109 RR*	50.8			2.2		
P MANOKIN*	50.8	53.7	49.6	3.5	3.0	3.0
SOUTHERN CROSS-AARON 4.5N-ST5**	50.7	56.5		2.9	2.4	
GATEWAY 493*	50.4			3.1		
~ LG SEEDS C9447RR	50.4			3.0		
~ SOUTHERN STATES RT-4098	50.4	54.7		2.4	2.0	
STINE 4702-2**	50.4	55.8	52.5	2.8	2.3	2.3
~ DEKALB DKB45-51*	50.2			2.5		
~ CAVERNDALE CF 489nRR**	50.1			2.4		
~ VIGORO V462NRS**	50.1			2.9		
~ SOUTHERN STATES RT-446N*	50.0	52.4	49.7	2.2	2.0	2.0
~ DEKALB CX480cRR**	49.9			2.7		
PIONEER VARIETY 94B53**	49.9	56.2	52.9	2.8	2.3	2.2
~ AGVENTURE SEED AV 6489 N RR**	49.8			2.6		
~ GREAT LAKES GL 4309 RR**	49.7	52.6		1.3	1.4	
~ SOUTHERN CROSS-JEREMIAH 4.3N-RR*	49.6			2.4		
~ DELTA KING 4965 RR**	49.4			2.5		
NK BRAND S42-H1**	48.9	53.2		2.4	2.0	
~ STINE 3808-4	48.9			2.0		
~ DEKALB DKB40-51*	48.8			1.8		
SOUTHERN STATES 439	48.8	56.4	53.2	2.7	2.2	2.1
~ LG SEEDS C4350NRR*	48.3	51.7		2.5	1.9	
~ CROPLAN GENETICS RT4241	47.2			3.0		
UNISOUTH GENETICS USG 7499	46.8	51.6	48.2	1.9	1.9	1.9
~ CROPLAN GENETICS YRC49*	46.6			3.7		
~ NK BRAND S46-G2**	46.5	51.0		2.3	2.0	
~ GOLDEN HARVEST H-4147RR**	46.4			2.2		
~ DELTA KING 4762 RR**	45.6			2.3		
P INA**	45.4	49.1	46.4	3.7	3.0	3.0
NS K1433 (high protein)	45.4			1.8		
~ PRAIRIE STREAM FARMS PSF 4102NRR**	44.8			2.2		
NS K93-9-56 (large-seeded food type)	44.7			3.2		
~ VIGORO V422NRR*	44.6			2.2		
P REND**	44.3	51.1	49.0	3.3	2.7	2.7
~ DELTA AND PINE LAND DP4344RR	44.2	48.2	45.5	3.1	2.6	2.5
~ DYNA-GRO 3468N RR**	42.5	51.6	49.5	2.0	1.8	1.8
~ SOUTHERN STATES RT-4495N**	42.5	48.4	46.6	1.7	1.4	1.5
NS L96-5104 (natto type)	42.0	47.8		2.5	2.2	
~ EXCEL 8494NRR*	41.9			2.3		
~ GREAT LAKES GL 4909 RR**	41.8			3.1		
NS IA 4001 (natto type)	41.4	45.1		4.1	3.4	
~ HORNBECK HBK R4660**	41.0	47.2	45.0	2.3	2.0	2.0
NS K 1431 (high protein)	40.3	44.4		3.4	2.9	
NS K93-81-37 (small-seeded food type)	32.2			3.4		
GROUP IV AVERAGE	50.6	53.9	51.0	2.5	2.2	2.2
LSD (0.10)	2.4	2.1	1.8	0.2	0.2	0.2

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TABLE 4. 2001 SUMMARY: VARIETY TEST TABLES 5-10 (continued)

VARIETY / BRAND	YIELD (BU/AC) <sup>A</sup>			LODGING		
	2001	00-01	99-01	2001	00-01	99-01
<b>LATE ( GROUP V )</b>						
P HOLLADAY	<b>55.4</b>	<b>54.8</b>	<b>50.3</b>	3.5	2.8	2.7
~ NK BRAND S52-U3**	53.0			3.3		
NS K1436 (high protein)	52.7			2.8		
P DELSOY 5500**	51.7	52.0		2.5	2.5	
PIONEER VARIETY 95B33**	51.4	<b>54.0</b>		2.8	2.4	
SOUTHERN STATES 5200-ST5	51.3			2.5		
~ PIONEER VARIETY 95B32**	51.2	52.6	48.0	2.5	2.2	2.1
P HUTCHESON	51.1	<b>52.7</b>	<b>49.0</b>	3.1	2.7	2.6
~ ASGROW AG 5501*	50.9	52.5		2.5	2.3	
~ UNISOUTH GENETICS USG 510nRR**	50.8	50.9		2.5	2.2	
~ CROPLAN GENETICS RC5252**	50.7			2.3		
~ VIGORO V543NRR**	50.3			2.5		
~ DELTA KING 5465 RR**	50.1	52.3		2.5	2.2	
~ CROW'S C5410R**	50.0			2.8		
~ ASGROW AG 5001	49.6	<b>53.2</b>	<b>49.3</b>	2.1	2.0	2.0
P CAVINESS**	49.6	48.7	45.6	3.9	3.6	3.3
~ CROW'S C5118R**	49.6			2.4		
~ UNISOUTH GENETICS USG 540nRR**	49.0			2.7		
~ GREAT LAKES GL 5309 RR**	48.8			2.3		
~ HORNBECK HBK R5420*	48.7			2.5		
DELTA KING 5995**	48.6			3.5		
~ DELTA KING 5668 RR**	48.4			3.3		
~ EXCEL 8525NRR**	47.3			3.4		
P ANAND**	47.1	48.7	44.8	2.3	2.0	2.0
~ CROPLAN GENETICS RC5454**	47.0			2.5		
~ DYNA-GRO 3518N RR**	46.4			2.8		
~ DELTA KING 5366 RR**	46.2			3.5		
~ CROPLAN GENETICS YRC51**	45.7			2.8		
~ SOUTHERN STATES RT-5401N**	45.5			2.5		
~ UNISOUTH GENETICS USG 7547RR	45.3	46.7	43.0	3.0	2.7	2.6
~ DYNA-GRO 3521N RR**	45.3	48.5		2.6	2.3	
~ SOUTHERN STATES RT-557N**	45.2	45.6	42.1	3.3	3.1	2.9
P K1425**	45.2			2.8		
~ HORNBECK HBK R5588**	45.0	44.8	41.4	3.6	3.3	3.0
~ SOUTHERN STATES RT-517N**	44.1	49.2	45.3	3.2	2.7	2.6
~ SOUTHERN STATES RT-5001N**	43.8			2.9		
~ LG SEEDS C5151NRR**	43.6			3.2		
~ DELTA KING 5661 RR**	43.5			3.5		
~ GOLDEN HARVEST H-5137RR**	42.8			2.5		
~ AGVENTURE SEED AV 6501 N RR**	42.5			2.9		
NS K93-86-14 (small-seeded type)	42.4			3.8		
~ DELTA KING 5762 RR**	42.0			3.5		
~ PIONEER VARIETY 95B53**	41.9	45.5		3.1	2.9	
~ VIGORO V512NRR**	41.6			3.1		
GROUP V AVERAGE	47.6	50.2	45.9	2.9	2.6	2.6
LSD (0.10)	2.3	2.1	1.9	0.2	0.2	0.2
GRAND MEAN	50.1	52.9	49.6	2.5	2.2	2.2

~ Roundup Ready variety.

P Entries with a P prefix are public varieties.

NS Entries with a NS prefix are novel soybean varieties that are emerging from both the public and private sectors. Some of these value-added soybean types will supply relatively small market niches, while others may be of much broader market value. Testing novel soybeans will enable producers to assess whether premiums for a given trait offset possible yield lag/drag.

\* Resistant to the soybean cyst nematode (Race 3).

\*\* Resistant to the soybean cyst nematode (Race 3 and Race 14).

<sup>A</sup> Within a maturity group, shaded yields are not significantly different (0.10 level) from the highest yielding cultivar (bold data) of that maturity group and year column.

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**TABLE 5. 2001 CALDWELL COUNTY FULL SEASON VARIETY TEST<sup>A</sup>**

VARIETY / BRAND	YIELD (BU/AC) <sup>B</sup>		LODGING	
	2001	00-01	2001	00-01
<b>EARLY ( GROUP III )</b>				
~ GOLDEN HARVEST H-3983RR	<b>68.0</b>	69.5	1.8	1.4
~ PIONEER VARIETY 93B87	64.5		1.8	
~ DELTA KING 3964 RR**	63.8		2.3	
~ DELTA KING XTJ 193 RR**	63.3		1.3	
~ NK BRAND S39-Q4	62.5		1.5	
~ STINE 3870-0	62.4	<b>70.0</b>	2.3	1.9
~ STINE 3800-4	61.5	67.5	1.5	1.3
~ SOUTHERN CROSS-SOLOMON 3.8-RR	61.3	64.4	2.0	1.5
~ SOUTHERN CROSS-ANDREW 3.9N-RR**	61.1		1.8	
~ ASGROW AG 3902*	59.5		2.0	
~ NK BRAND S38-T8**	59.3	64.6	1.5	1.3
~ DELTA KING 3961 RR**	59.1		1.8	
~ ASGROW AG 3903*	58.7		1.8	
~ STINE 3632-4**	58.5		1.3	
~ NK BRAND S38-E9	58.4		1.5	
~ PIONEER VARIETY 93B85**	58.2		1.8	
~ DELTA KING XTJ 183 RR	57.4		1.5	
~ DEKALB DKB38-52**	57.3		1.3	
~ GARST SEED D399 RR/N**	56.6		2.0	
~ SOUTHERN STATES RT-3799N**	56.6	62.6	1.5	1.3
NS NE 3396 (high protein, high yield)	55.1	57.8	1.8	2.1
~ PRAIRIE STREAM FARMS PSF 3501RR	54.9		2.0	
~ STINE 3763-4	54.9	61.1	1.5	1.3
~ CAVERNDALE CF 392nRR**	54.8		1.8	
~ CROPLAN GENETICS RC3838**	54.8		1.5	
~ CROPLAN GENETICS RC3866**	54.7		1.5	
NS PIONEER VARIETY P9305 (tofu type)	53.3	54.5	1.0	1.0
NS FG 1 (tofu type)	52.9	58.9	1.5	1.3
~ SOUTHERN STATES 381-ST5	52.0	58.2	2.0	1.8
~ SOUTHERN STATES RT-3975	51.0	54.1	1.8	1.4
NS U95-3813 (natto type)	50.8	51.5	1.0	1.0
~ PIONEER VARIETY 93B67**	50.7		1.8	
~ PRAIRIE STREAM FARMS PSF 3999NRR**	50.7		2.5	
NS RUPP SEED EXP. 2703 (tofu type)	49.2		2.5	
NS IA 3001 (high protein)	47.4		2.0	
~ PRAIRIE STREAM FARMS PSF 3598RR	47.4		1.5	
NS RUPP SEED EXP. 2702 (tofu type)	47.0		3.0	
NS IA 3011 (tofu type)	44.8	46.9	1.0	1.3
NS IA 2025 (triple null)	44.0	50.6	1.3	1.1
NS U97-207427 (high protein, high yield)	43.3	47.4	1.8	1.6
GROUP III AVERAGE	55.5	58.7	1.7	1.4
LSD (0.10)	5.4	5.8	0.4	0.3
<b>MID-SEASON ( GROUP IV )</b>				
~ DELTA KING XTJ 174 RR**	<b>73.0</b>		2.0	
~ DELTA AND PINE LAND DP4690RR	69.9	68.2	2.3	1.6
P MANOKIN*	69.4	67.5	2.5	2.8
~ GREAT LAKES GL 4800 RR	68.1	63.0	2.8	1.9
~ DELTA KING 4711	67.8	65.7	2.8	1.9
~ DELTA KING XTJ 124 RR**	67.6		1.8	
~ DELTA KING 4868 RR	67.3	63.0	2.3	1.6
~ LG SEEDS C9474	66.3	62.7	2.3	1.6
~ LG SEEDS C9480RR	66.2	65.1	2.5	1.8
~ CAVERNDALE CF 444nRR**	65.5		2.0	
~ GATEWAY 4R472	65.0	63.2	2.5	2.0
~ SOUTHERN STATES RT-4980	64.9	62.6	2.8	1.9
~ DELTA KING 4680	64.8	<b>70.4</b>	2.3	1.6
~ PIONEER VARIETY 9492**	64.2	63.8	2.0	1.5
~ CROW'S C4417R**	63.8		2.0	
~ CAVERNDALE CF 492	63.8	67.3	2.0	1.5
~ HORNBECK HBK R4820*	63.6		2.0	
~ UNISOUTH GENETICS USG 7499	63.0	64.0	2.5	1.8
~ DEKALB DKB44-51*	62.9	58.5	2.0	1.5
~ HORNBECK HBK R4920	62.7	57.8	2.3	2.1
NS DAIRYLAND DST4203 (large-seed food type)	62.5		2.0	
~ AGVENTURE SEED AV 6441 N RR**	62.5		2.0	
~ GATEWAY 493*	62.4		2.5	
~ HORNBECK HBK 4891	62.2	65.8	2.5	1.8
~ ASGROW AG 4902**	61.4	63.7	2.0	1.5

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**TABLE 5. 2001 CALDWELL COUNTY FULL SEASON VARIETY TEST<sup>A</sup>** (continued)

VARIETY / BRAND	YIELD (BU/AC) <sup>B</sup>		LODGING	
	2001	00-01	2001	00-01
~ ASGROW AG 4301*	61.4	64.5	2.0	1.5
~ GATEWAY 4R483**	61.4		2.5	
DELTA AND PINE LAND DP4748S	61.3		3.0	
~ ASGROW AG 4403*	61.0	60.7	1.8	1.4
~ STINE 4700-4	60.2		2.3	
~ SEED CONSULTANTS SC 9442 RR**	60.0		1.5	
~ DELTA KING 4965 RR**	59.6		2.5	
~ BIO GENE BG 4401NRR**	59.5		2.0	
~ CROPLAN GENETICS RC4995	59.2		3.3	
~ DELTA KING 4762 RR**	59.0		2.5	
~ STINE 4202-4**	58.9		1.8	
~ LG SEEDS C9447RR	58.7		2.8	
~ CROPLAN GENETICS RC4444**	58.7		2.3	
~ ASGROW AG 4702**	58.5	65.1	2.3	1.6
~ GREAT LAKES GL 4909 RR**	58.4		3.3	
~ DEKALB CX480cRR**	57.3		2.5	
STINE 4702-2**	57.3	64.0	2.8	1.9
~ GOLDEN HARVEST H-4850RR**	56.9		2.3	
~ GOLDEN HARVEST H-4534RR**	56.6		1.5	
~ SOUTHERN CROSS-TITUS 4.8N-RR**	56.6	64.0	2.5	1.8
~ PIONEER VARIETY 94B73	56.1		3.3	
~ VIGORO V472NRR**	56.0		2.5	
~ SOUTHERN STATES RT-446N*	55.9	56.6	2.0	1.5
~ CROW'S C48009RN**	55.6		2.3	
~ CROPLAN GENETICS RC4848**	55.5	65.4	2.3	1.6
~ GARST SEED D484 RR/N**	55.1		2.3	
~ DELTA KING XTJ 184 RR**	54.7		2.8	
SOUTHERN STATES 4483N-ST5**	54.1	57.6	2.5	1.8
~ CAVERNDAL CF 489nRR**	53.8		2.8	
~ DEKALB DKB45-51*	53.4		2.3	
~ AGVENTURE SEED AV 6489 N RR**	53.3		2.5	
~ PIONEER VARIETY 94B54**	53.2		2.0	
~ CROPLAN GENETICS YRC49*	53.2		3.3	
CAVERNDAL CF 461	52.6	56.5	2.5	1.8
P STRESSLAND	51.6	53.8	2.8	1.9
~ NK BRAND S46-G2**	51.6	53.6	2.0	1.5
NS K1433 (high protein)	51.4		1.8	
~ DYNA-GRO 3484N RR**	51.2		2.3	
~ VIGORO V462NRS**	51.2		2.5	
ASGROW A 4324*	51.2	57.9	2.3	1.6
NK BRAND S42-H1**	51.1	58.2	2.8	1.9
~ HORNBECK HBK R4660**	50.9	53.5	2.0	1.5
~ GREAT LAKES GL 4309 RR**	49.9	54.2	1.5	1.3
NS K93-9-56 (large-seeded food type)	49.2		2.8	
~ DELTA AND PINE LAND DP4344RR	49.2	52.5	3.0	2.0
GOLDEN HARVEST H-4459ST5**	49.2	58.9	2.5	1.8
~ GREAT LAKES GL 4109 RR*	48.6		1.5	
~ SOUTHERN STATES RT-4495N**	48.4	53.4	1.8	1.4
~ CROPLAN GENETICS RT4241	48.2		2.8	
~ SOUTHERN STATES RT-4098	48.2	56.2	2.8	1.9
SOUTHERN STATES 439	48.0	58.2	2.8	1.9
~ PIONEER VARIETY 94B23*	47.9		3.3	
P REND**	47.9	54.2	3.0	2.3
PIONEER VARIETY 94B53**	47.4	58.9	2.5	1.8
NS K 1431 (high protein)	47.3	49.3	3.0	2.5
~ EXCEL 8494NRR*	46.9		2.0	
~ STINE 3808-4	46.2		2.5	
P TROLL	46.2	53.2	1.0	1.0
SOUTHERN CROSS-AARON 4.5N-ST5**	46.2	58.5	2.3	1.6
~ DYNA-GRO 3468N RR**	45.1	58.4	2.0	1.5
~ LG SEEDS C4350NRR*	44.5	51.0	2.0	1.5
~ GOLDEN HARVEST H-4147RR**	44.0		2.0	
~ SOUTHERN CROSS-JEREMIAH 4.3N-RR*	43.8		2.3	
~ DEKALB DKB40-51*	43.1		2.0	
P INA**	42.1	47.7	3.0	2.8
~ PRAIRIE STREAM FARMS PSF 4102NRR**	41.3		2.8	
NS L96-5104 (natto type)	36.3	46.5	2.3	1.6
NS IA 4001 (natto type)	36.2	47.6	3.8	3.6
~ VIGORO V422NRR*	35.9		2.3	
NS K93-81-37 (small-seeded food type)	31.2		2.5	
GROUP IV AVERAGE	55.2	59.2	2.4	1.8
LSD (0.10)	7.3	5.3	0.5	0.3

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**TABLE 5. 2001 CALDWELL COUNTY FULL SEASON VARIETY TEST<sup>A</sup> (continued)**

VARIETY / BRAND	YIELD (BU/AC) <sup>B</sup>		LODGING	
	2001	00-01	2001	00-01
<b>LATE ( GROUP V )</b>				
P HOLLADAY	<b>72.2</b>	<b>72.5</b>	2.8	2.1
~ CROPLAN GENETICS RC5252**	69.8		2.3	
DELTA KING 5995**	69.0		2.8	
~ UNISOUTH GENETICS USG 510nRR**	68.4	63.6	2.3	1.6
NS K1436 (high protein)	67.2		2.0	
~ NK BRAND S52-U3**	62.6		2.8	
P CAVINESS**	62.5	61.1	3.3	3.6
~ DELTA KING 5668 RR**	62.1		2.8	
~ EXCEL 8525NRR**	61.9		2.5	
P K1425**	61.7		2.5	
~ DELTA KING 5465 RR**	61.5	62.6	2.5	1.8
~ VIGORO V543NRR**	61.3		2.5	
~ CROW'S C5410R**	61.2		2.5	
~ DYNA-GRO 3521N RR**	61.2	58.0	2.8	1.9
~ SOUTHERN STATES RT-517N**	60.6	65.3	3.0	2.5
SOUTHERN STATES 5200-ST5	60.4		2.5	
~ ASGROW AG 5001	60.1	63.1	2.3	1.6
~ HORNBECK HBK R5420*	60.0		2.8	
~ PIONEER VARIETY 95B32**	60.0	60.7	2.0	1.5
~ CROPLAN GENETICS YRC51**	60.0		2.8	
~ DELTA KING 5762 RR**	59.9		2.8	
~ ASGROW AG 5501*	59.5	64.1	2.8	2.4
P DELSOY 5500**	59.4	61.1	2.8	1.9
~ CROW'S C5118R**	59.2		2.5	
~ CROPLAN GENETICS RC5454**	57.6		2.5	
~ SOUTHERN STATES RT-5001N**	57.4		2.5	
P HUTCHESON	57.2	65.8	3.0	2.0
~ DELTA KING 5366 RR**	57.1		3.0	
~ UNISOUTH GENETICS USG 7547RR	56.9	59.6	2.5	2.3
~ SOUTHERN STATES RT-557N**	56.7	54.4	3.3	3.4
PIONEER VARIETY 95B33**	55.8	60.4	2.5	1.8
~ GREAT LAKES GL 5309 RR**	54.9		2.3	
~ GOLDEN HARVEST H-5137RR**	54.9		2.5	
~ SOUTHERN STATES RT-5401N**	54.8		2.8	
~ PIONEER VARIETY 95B53**	54.1	58.7	2.8	2.4
~ DYNA-GRO 3518N RR**	53.8		2.8	
~ HORNBECK HBK R5588**	53.6	52.9	3.8	3.9
~ UNISOUTH GENETICS USG 540nRR**	52.4		3.3	
~ DELTA KING 5661 RR**	51.8		3.0	
NS K93-86-14 (small-seeded type)	51.6		3.5	
~ LG SEEDS C5151NRR**	51.3		3.0	
~ AGVENTURE SEED AV 6501 N RR**	49.5		2.8	
~ VIGORO V512NRR**	48.0		3.5	
P ANAND**	47.7	56.4	2.0	1.5
GROUP V AVERAGE	58.6	61.2	2.7	2.2
LSD (0.10)	6.7	5.0	0.4	0.3
GRAND MEAN	56.1	59.5	2.3	1.8

~ Roundup Ready variety.

P Entries with a P prefix are public varieties.

NS Entries with a NS prefix are novel soybean varieties that are emerging from both the public and private sectors. Some of these value-added soybean types will supply relatively small market niches, while others may be of much broader market value. Testing novel soybeans will enable producers to assess whether premiums for a given trait offset possible yield lag/drag.

\* Resistant to the soybean cyst nematode (Race 3).

\*\* Resistant to the soybean cyst nematode (Race 3 and Race 14).

<sup>A</sup> Data were not available for 1999 due to excessive variability caused by the 1999 drought.

<sup>B</sup> Within a maturity group, shaded yields are not significantly different (0.10 level) from the highest yielding cultivar (bold data) of that maturity group.



**TABLE 6. 2001 CARLISLE COUNTY FULL SEASON VARIETY TEST<sup>A</sup>**

VARIETY / BRAND	YIELD (BU/AC) <sup>B</sup>		LODGING	
	2001	00-01	2001	00-01
<b>EARLY ( GROUP III )</b>				
~ STINE 3800-4	<b>61.2</b>	<b>54.8</b>	1.5	1.3
~ DELTA KING XTJ 193 RR**	57.2		1.3	
~ GOLDEN HARVEST H-3983RR	56.4	50.1	1.8	1.4
NK BRAND S38-E9	56.0		2.3	
~ ASGROW AG 3903*	<b>55.9</b>		2.3	
PIONEER VARIETY 93B87	54.5		2.3	
~ DEKALB DKB38-52**	53.8		1.5	
~ NK BRAND S39-Q4	53.6		1.8	
~ CROPLAN GENETICS RC3838**	53.3		1.3	
~ PIONEER VARIETY 93B67**	52.9		1.5	
STINE 3870-0	52.9	<b>52.3</b>	2.0	1.5
~ SOUTHERN CROSS-SOLOMON 3.8-RR	52.9	47.6	2.5	1.8
~ CAVERNDALE CF 392nRR**	51.3		2.0	
~ STINE 3632-4**	51.1		1.5	
~ GARST SEED D399 RR/N**	51.1		2.0	
~ PIONEER VARIETY 93B85**	50.6		2.0	
~ DELTA KING XTJ 183 RR	50.6		1.3	
~ CROPLAN GENETICS RC3866**	50.5		1.5	
NS NE 3396 (high protein, high yield)	50.4	48.0	2.5	1.8
~ SOUTHERN STATES RT-3799N**	50.4	48.4	1.5	1.3
~ DELTA KING 3961 RR**	49.8		1.5	
~ SOUTHERN STATES RT-3975	49.2	45.4	2.0	1.5
~ STINE 3763-4	49.1	45.8	1.5	1.3
NK BRAND S38-T8**	48.1	45.5	2.3	1.6
~ PRAIRIE STREAM FARMS PSF 3501RR	47.9		2.8	
~ DELTA KING 3964 RR**	47.5		2.3	
~ SOUTHERN CROSS-ANDREW 3.9N-RR**	47.2		1.8	
NS IA 3011 (tofu type)	46.6	39.2	1.3	1.1
NS FG 1 (tofu type)	45.9	42.5	2.0	1.5
~ ASGROW AG 3902*	45.9		1.5	
SOUTHERN STATES 381-ST5	45.2	42.1	3.8	2.4
~ PRAIRIE STREAM FARMS PSF 3598RR	43.9		2.8	
NS RUPP SEED EXP. 2702 (tofu type)	43.0		3.0	
NS U97-207427 (high protein, high yield)	42.2	37.8	1.8	1.4
~ PRAIRIE STREAM FARMS PSF 3999NRR**	42.0		1.8	
NS PIONEER VARIETY P9305 (tofu type)	41.7	37.5	2.0	1.5
NS IA 3001 (high protein)	41.2		1.8	
NS IA 2025 (triple null)	38.5	33.8	1.5	1.3
NS RUPP SEED EXP. 2703 (tofu type)	34.6		2.8	
NS U95-3813 (natto type)	32.8	33.6	1.0	1.0
GROUP III AVERAGE	48.7	44.0	1.9	1.5
LSD (0.10)	6.3	4.3	0.5	0.3
<b>MID-SEASON ( GROUP IV )</b>				
~ STINE 4202-4**	<b>64.8</b>		2.5	
~ DELTA KING XTJ 174 RR**	64.1		3.8	
~ CROW'S C4417R**	61.5		2.5	
DELTA AND PINE LAND DP4748S	60.4		3.8	
~ CROPLAN GENETICS RC4444**	58.6		1.8	
~ GATEWAY 4R483**	<b>58.4</b>		4.0	
P TROLL	57.8	<b>48.7</b>	1.5	1.3
DELTA KING 4711	57.3	<b>52.2</b>	3.5	2.3
~ PIONEER VARIETY 9492**	57.1	45.3	2.8	1.9
~ ASGROW AG 4403*	56.9	47.2	2.3	1.6
~ DELTA KING 4868 RR	56.6	<b>49.9</b>	3.0	2.0
NS DAIRYLAND DST4203 (large-seed food type)	56.5		2.5	
~ HORNBECK HBK R4820*	56.2		2.5	
HORNBECK HBK 4891	56.1	46.4	1.5	1.3
LG SEEDS C9474	55.9	<b>50.5</b>	3.5	2.3
~ GREAT LAKES GL 4309 RR**	55.9	45.1	0.8	0.9
~ DEKALB DKB40-51*	55.8		1.3	
~ CAVERNDALE CF 444nRR**	55.5		2.0	
~ BIO GENE BG 4401NRR**	55.5		2.0	
~ DELTA AND PINE LAND DP4690RR	55.2	<b>48.5</b>	2.8	1.9
SOUTHERN CROSS-AARON 4.5N-ST5**	55.0	46.1	3.8	2.4
~ STINE 3808-4	54.7		2.5	
CAVERNDALE CF 492	54.7	<b>49.9</b>	4.3	2.6
STINE 4702-2**	54.4	<b>48.6</b>	3.0	2.0
~ DEKALB DKB44-51*	54.4	45.1	2.3	1.6

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**TABLE 6. 2001 CARLISLE COUNTY FULL SEASON VARIETY TEST<sup>A</sup>** (continued)

VARIETY / BRAND	YIELD (BU/AC) <sup>B</sup>		LODGING	
	2001	00-01	2001	00-01
~ PIONEER VARIETY 94B73	54.3		2.3	
~ SOUTHERN STATES RT-4098	54.2	46.8	3.0	2.0
~ HORNBECK HBK R4920	54.2	46.8	3.8	2.4
~ GATEWAY 4R472	53.9	50.2	3.3	2.1
UNISOUTH GENETICS USG 7499	53.7	43.6	1.3	1.1
~ PIONEER VARIETY 94B54**	53.1		3.5	
~ LG SEEDS C4350NRR*	52.7	46.6	3.8	2.4
~ PIONEER VARIETY 94B23*	52.6		2.8	
~ SOUTHERN CROSS-JEREMIAH 4.3N-RR*	52.5		3.5	
~ SEED CONSULTANTS SC 9442 RR**	52.3		2.3	
~ GOLDEN HARVEST H-4850RR**	52.2		2.5	
~ CROPLAN GENETICS RC4848**	52.1	42.0	3.5	2.3
~ DELTA KING XTJ 124 RR**	51.9		2.3	
P STRESSLAND	51.9	42.2	3.8	2.4
~ ASGROW AG 4902**	51.8	41.9	3.0	2.0
~ LG SEEDS C9480RR	51.8	48.7	3.3	2.1
~ SOUTHERN STATES RT-446N*	51.7	43.6	2.5	1.8
~ SOUTHERN STATES RT-4980	51.7	45.6	2.5	1.8
~ GOLDEN HARVEST H-4147RR**	51.5		3.8	
GOLDEN HARVEST H-4459STS**	51.5	49.0	3.8	2.4
~ AGVENTURE SEED AV 6489 N RR**	51.4		2.5	
~ CAVERNDAL CF 489nRR**	51.1		3.0	
~ DELTA KING XTJ 184 RR**	51.1		3.5	
~ DYNA-GRO 3484N RR**	50.7		1.0	
~ GREAT LAKES GL 4109 RR*	50.5		3.0	
CAVERNDAL CF 461	50.5	45.7	3.8	2.4
~ GREAT LAKES GL 4800 RR	50.2	50.5	3.3	2.1
~ GOLDEN HARVEST H-4534RR**	50.1		2.3	
~ ASGROW AG 4301*	50.0	43.3	2.8	1.9
~ VIGORO V472NRR**	50.0		3.3	
~ SOUTHERN CROSS-TITUS 4.8N-RR**	49.5	39.3	2.8	1.9
DELTA KING 4680	49.3	45.6	3.0	2.0
~ DEKALB CX480cRR**	49.0		4.0	
~ ASGROW AG 4702**	48.7	42.7	2.5	1.8
ASGROW A 4324*	48.7	43.2	3.0	2.0
~ GARST SEED D484 RR/N**	48.3		2.8	
~ VIGORO V422NRR*	47.9		2.5	
~ STINE 4700-4	47.7		2.0	
GATEWAY 493*	47.6		4.0	
~ LG SEEDS C9447RR	47.3		4.0	
~ VIGORO V462NRS**	47.3		3.5	
SOUTHERN STATES 4483N-ST5**	47.3	38.9	3.0	2.0
~ CROW'S C48009RN**	47.1		3.3	
~ AGVENTURE SEED AV 6441 N RR**	46.9		2.8	
PIONEER VARIETY 94B53**	45.8	46.8	3.5	2.3
~ CROPLAN GENETICS RC4995	45.2		2.8	
~ DEKALB DKB45-51*	44.9		3.3	
~ DELTA KING 4965 RR**	44.4		2.3	
P MANOKIN*	44.3	43.3	4.3	2.6
SOUTHERN STATES 439	43.6	47.3	2.8	1.9
~ NK BRAND S46-G2**	43.5	39.6	2.3	1.6
P INA**	43.3	36.2	4.3	2.6
NK BRAND S42-H1**	43.3	38.6	2.3	1.6
~ CROPLAN GENETICS YRC49*	43.0		4.3	
~ SOUTHERN STATES RT-4495N**	42.5	40.8	1.8	1.4
~ EXCEL 8494NRR*	42.4		2.3	
~ PRAIRIE STREAM FARMS PSF 4102NRR**	42.3		2.8	
~ DELTA AND PINE LAND DP4344RR	42.0	37.9	3.8	2.4
P REND**	41.6	39.4	4.5	2.8
CROPLAN GENETICS RT4241	40.9		3.3	
NS K93-9-56 (large-seeded food type)	39.7		4.5	
~ DYNA-GRO 3468N RR**	38.1	40.5	2.0	1.5
NS L96-5104 (natto type)	37.8	39.6	3.8	2.4
~ GREAT LAKES GL 4909 RR**	37.3		3.5	
NS K1433 (high protein)	36.9		1.5	
~ DELTA KING 4762 RR**	36.4		2.3	
NS IA 4001 (natto type)	36.0	33.9	4.3	2.6
~ HORNBECK HBK R4660**	36.0	37.8	2.8	1.9
NS K 1431 (high protein)	34.8	31.7	4.0	2.5
NS K93-81-37 (small-seeded food type)	31.2		5.0	
GROUP IV AVERAGE	49.6	44.1	3.0	2.0
LSD (0.10)	6.4	4.4	0.9	0.4

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**TABLE 6. 2001 CARLISLE COUNTY FULL SEASON VARIETY TEST<sup>A</sup> (continued)**

VARIETY / BRAND	YIELD (BU/AC) <sup>B</sup>		LODGING	
	2001	00-01	2001	00-01
<b>LATE ( GROUP V )</b>				
P HUTCHESON	<b>57.2</b>	52.6	4.0	2.5
DELTA KING 5995**	55.6		3.0	
SOUTHERN STATES 5200-ST5	55.1		2.5	
~ NK BRAND S52-U3**	54.2		3.0	
P HOLLADAY	53.9	46.0	4.3	2.6
PIONEER VARIETY 95B33**	53.6	<b>53.0</b>	3.5	2.3
P DELSOY 5500**	51.7	48.4	2.8	1.9
~ DELTA KING 5668 RR**	51.1		3.3	
NS K1436 (high protein)	<b>50.5</b>		3.8	
~ HORNBECK HBK R5420*	49.4		2.5	
~ GREAT LAKES GL 5309 RR**	49.3		2.5	
~ ASGROW AG 5501*	49.0	46.6	2.5	1.8
~ VIGORO V543NRR**	48.4		2.8	
P ANAND**	47.5	41.6	1.3	1.1
~ DELTA KING 5465 RR**	47.5	44.7	3.0	2.0
~ PIONEER VARIETY 95B32**	47.2	<b>54.2</b>	2.8	1.9
~ DELTA KING 5366 RR**	47.2		3.5	
~ CROW'S C5410R**	47.2		3.5	
~ DYNA-GRO 3518N RR**	46.8		2.8	
~ CROPLAN GENETICS RC5252**	46.5		3.0	
~ CROW'S C5118R**	46.4		2.5	
P CAVINESS**	45.8	45.9	4.0	2.5
~ SOUTHERN STATES RT-5401N**	45.6		3.3	
~ PIONEER VARIETY 95B53**	45.0	45.8	2.3	1.6
~ CROPLAN GENETICS RC5454**	43.5		2.8	
~ DYNA-GRO 3521N RR**	43.3	43.3	3.0	2.0
~ UNISOUTH GENETICS USG 510nRR**	43.3	44.2	2.3	1.6
~ ASGROW AG 5001	43.1	39.4	1.5	1.3
P K1425**	42.4		1.0	
~ GOLDEN HARVEST H-5137RR**	42.2		1.0	
~ CROPLAN GENETICS YRC51**	42.1		3.0	
~ EXCEL 8525NRR**	42.1		3.8	
~ UNISOUTH GENETICS USG 540nRR**	41.0		2.8	
~ DELTA KING 5661 RR**	40.7		4.0	
~ DELTA KING 5762 RR**	40.5		4.0	
~ AGVENTURE SEED AV 6501 N RR**	40.3		3.0	
~ SOUTHERN STATES RT-557N**	39.9	41.8	4.3	2.6
~ HORNBECK HBK R5588**	39.4	36.6	4.0	2.5
~ LG SEEDS C5151NRR**	39.1		3.3	
~ UNISOUTH GENETICS USG 7547RR	38.1	42.1	3.5	2.3
~ SOUTHERN STATES RT-5001N**	37.0		3.0	
~ VIGORO V512NRR**	36.7		3.5	
NS K93-86-14 (small-seeded type)	36.3		4.0	
~ SOUTHERN STATES RT-517N**	32.5	41.9	2.5	1.8
GROUP V AVERAGE	45.3	45.2	3.0	2.0
LSD (0.10)	7.1	5.0	1.1	0.7
GRAND MEAN	48.4	44.3	2.8	1.9

~ Roundup Ready variety.

P Entries with a P prefix are public varieties.

NS Entries with a NS prefix are novel soybean varieties that are emerging from both the public and private sectors. Some of these value-added soybean types will supply relatively small market niches, while others may be of much broader market value. Testing novel soybeans will enable producers to assess whether premiums for a given trait offset possible yield lag/drag.

\* Resistant to the soybean cyst nematode (Race 3).

\*\* Resistant to the soybean cyst nematode (Race 3 and Race 14).

<sup>A</sup> 2000 data are from Calloway County, and the 2001 data are from Carlisle County. No data were available for 1999 due to the 1999 drought.

<sup>B</sup> Within a maturity group, shaded yields are not significantly different (0.10 level) from the highest yielding cultivar (bold data) of that maturity group and year column.

**TABLE 7. 2001 FAYETTE COUNTY FULL SEASON VARIETY TEST**

VARIETY / BRAND	YIELD (BU/AC) <sup>A</sup>			LODGING			PLANT HEIGHT (IN) 2001	MATURITY DATE 2001
	2001	00-01	99-01	2001	00-01	99-01		
<b>EARLY ( GROUP III )</b>								
~ SOUTHERN CROSS-SOLOMON 3.8-RR	<b>74.6</b>	78.1		3.0	2.3		43	10/5
PIONEER VARIETY 93B87	73.4			3.0			40	10/5
~ CROPLAN GENETICS RC3838**	72.2			2.8			46	10/3
~ STINE 3632-4**	71.9			2.5			38	10/3
~ DELTA KING XTJ 193 RR**	71.7			2.5			46	10/3
STINE 3870-0	71.6	<b>79.9</b>		2.8	2.3		41	10/5
NS FG 1 (tofu type)	71.0	68.0		3.0	2.0		37	9/30
~ DEKALB DKB38-52**	70.8			2.0			46	10/2
~ GOLDEN HARVEST H-3983RR	69.9	73.4		2.8	2.3		41	10/3
~ NK BRAND S39-Q4	69.1			2.5			41	10/5
~ STINE 3800-4	68.4	73.3		2.8	2.3		40	10/4
~ ASGROW AG 3902*	67.5			2.5			48	10/3
~ STINE 3763-4	66.8	74.2		2.3	1.6		41	10/2
NK BRAND S38-E9	66.5			2.5			41	9/30
~ PIONEER VARIETY 93B67**	65.8			2.5			44	9/29
~ ASGROW AG 3903*	65.6			2.5			43	10/4
~ PRAIRIE STREAM FARMS PSF 3501RR	64.5			2.8			45	10/3
~ DELTA KING XTJ 183 RR	63.7			2.5			45	10/3
NS PIONEER VARIETY P9305 (tofu type)	63.2	68.6		2.5	1.8		38	9/19
NS IA 3011 (tofu type)	62.6	65.5		3.0	2.1		40	9/24
NS IA 3001 (high protein)	62.0			3.3			39	9/27
~ CROPLAN GENETICS RC3866**	61.9			2.5			41	10/1
~ DELTA KING 3961 RR**	61.8			2.0			42	10/2
NS U97-207427 (high protein, high yield)	61.6	68.3		2.8	2.0		44	9/30
~ PIONEER VARIETY 93B85**	61.5			2.5			45	10/1
~ CAVERNDALE CF 392nRR**	61.0			2.5			46	10/5
NS NE 3396 (high protein, high yield)	60.8	67.3		2.5	1.9		38	9/30
~ SOUTHERN CROSS-ANDREW 3.9N-RR**	60.5			2.5			43	10/3
NK BRAND S38-T8**	60.3	66.1		2.5	2.1		48	10/3
~ GARST SEED D399 RR/N**	59.9			2.5			45	10/3
~ SOUTHERN STATES RT-3799N**	59.6	67.8		2.5	1.9		42	10/2
~ PRAIRIE STREAM FARMS PSF 3598RR	59.2			2.5			42	9/29
~ SOUTHERN STATES RT-3975	59.0	61.8	47.4	2.8	2.0	1.7	43	10/2
~ PRAIRIE STREAM FARMS PSF 3999NRR**	58.8			3.0			39	10/3
~ DELTA KING 3964 RR**	58.5			2.8			46	10/3
NS U95-3813 (natto type)	58.1	59.0		2.5	1.8		29	9/20
SOUTHERN STATES 381-ST5	57.5	66.9	<b>51.5</b>	3.5	2.8	2.2	43	10/4
NS RUPP SEED EXP. 2703 (tofu type)	57.4			3.8			49	10/3
NS RUPP SEED EXP. 2702 (tofu type)	56.6			3.3			54	10/3
NS IA 2025 (triple null)	55.8	59.8		3.0	2.1		38	9/19
GROUP III AVERAGE	64.1	68.6	49.5	2.7	2.1	2.0	43	10/1
LSD (0.10)	3.3	3.5	0.8	0.3	0.3	0.4	2	
<b>MID-SEASON ( GROUP IV )</b>								
~ STINE 4700-4	<b>72.1</b>			2.0			46	10/9
~ HORNBECK HBK R4820*	70.7			2.5			45	10/10
LG SEEDS C9474	68.5	<b>76.5</b>	<b>58.8</b>	3.5	3.0	2.3	47	10/10
~ PIONEER VARIETY 94B73	68.3			2.5			47	10/9
NS K93-9-56 (large-seeded food type)	68.2			3.5			38	10/10
~ GOLDEN HARVEST H-4534RR**	68.1			2.0			46	10/5
~ DELTA KING 4868 RR	67.8	<b>77.6</b>	<b>59.5</b>	2.3	2.0	1.7	45	10/10
~ CROW'S C4417R**	66.9			2.3			46	10/7
~ ASGROW A 4324*	66.9	71.8		3.0	2.3		46	10/7
~ GATEWAY 4R483**	66.8			2.5			49	10/10
~ GARST SEED D484 RR/N**	66.7			2.3			47	10/10
~ CROPLAN GENETICS RC4848**	66.5	<b>76.1</b>	<b>59.0</b>	2.3	2.4	1.9	47	10/10
~ DELTA KING XTJ 184 RR**	66.4			2.5			47	10/10
GOLDEN HARVEST H-4459STS**	66.0	72.1	56.4	2.5	2.5	2.0	45	10/10
~ PIONEER VARIETY 94B54**	65.6			2.5			50	10/14
P TROLL	64.9	71.3	54.1	1.5	1.3	1.2	32	10/4
~ PIONEER VARIETY 94B23*	64.8			2.5			45	10/3
~ DEKALB DKB44-51*	64.8	71.2		2.3	1.8		46	10/7
P STRESSLAND	64.7	73.2	56.5	2.8	2.3	1.8	47	10/7
~ AGVENTURE SEED AV 6441 N RR**	64.5			2.3			49	10/9
SOUTHERN CROSS-AARON 4.5N-ST5**	64.5	<b>77.5</b>		3.0	2.9		45	10/10
~ VIGORO V472NRR**	64.3			2.5			48	10/9
~ PIONEER VARIETY 9492**	64.2	71.5	54.8	2.8	2.3	1.8	45	10/10
PIONEER VARIETY 94B53**	64.2	71.8	54.6	3.3	2.8	2.2	45	10/7
~ SOUTHERN CROSS-TITUS 4.8N-RR**	64.2	72.0		2.8	2.4		48	10/9

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**TABLE 7. 2001 FAYETTE COUNTY FULL SEASON VARIETY TEST** (continued)

VARIETY / BRAND	YIELD (BU/AC) <sup>A</sup>			LODGING			PLANT HEIGHT (IN) 2001	MATURITY DATE 2001
	2001	00-01	99-01	2001	00-01	99-01		
~ AGVENTURE SEED AV 6489 N RR**	64.1			2.8			49	10/10
CAVERNDALE CF 492	63.9	68.7	51.8	3.0	2.1	1.8	35	10/15
NS DAIRYLAND DST4203 (large-seed food type)	63.7			3.0			47	10/9
~ DELTA KING XTJ 174 RR**	63.7			2.5			47	10/9
DELTA KING 4680	63.5	71.5		3.5	2.8		45	10/15
~ CAVERNDALE CF 444nRR**	63.4			2.0			46	10/8
SOUTHERN STATES 4483N-ST5**	63.3	73.0		2.5	2.5		46	10/7
DELTA KING 4711	63.2	74.0		2.8	2.5		47	10/10
~ GREAT LAKES GL 4800 RR	62.7	66.9		3.0	2.4		50	10/11
~ DYNA-GRO 3484N RR**	62.6			2.0			46	10/9
~ STINE 3808-4	62.6			2.0			41	10/3
NS K1433 (high protein)	62.4			2.5			40	10/14
~ SOUTHERN STATES RT-4098	62.4	73.4		2.3	1.9		46	10/2
~ DEKALB DKB40-51*	62.3			2.3			45	10/4
~ GREAT LAKES GL 4109 RR*	62.0			2.5			43	10/4
~ STINE 4202-4**	62.0			2.5			43	10/9
DELTA AND PINE LAND DP4748S	61.9			3.5			56	10/11
~ CROPLAN GENETICS RC4995	61.6			3.0			48	10/14
~ SEED CONSULTANTS SC 9442 RR**	61.4			1.8			46	10/5
~ GOLDEN HARVEST H-4850RR**	61.3			2.5			47	10/11
NK BRAND S42-H1**	61.3	73.0		2.5	2.3		47	10/5
~ ASGROW AG 4902**	61.2	68.3	53.5	2.5	2.3	1.8	40	10/11
STINE 4702-2**	61.2	68.9	52.7	3.0	2.5	2.0	51	10/12
~ DELTA AND PINE LAND DP4690RR	61.2	71.9		3.8	2.8		48	10/12
HORNBECK HBK 4891	60.9	67.4	52.9	3.8	2.6	2.1	48	10/8
~ ASGROW AG 4702**	60.5	61.9	48.6	2.5	2.1	1.8	48	10/10
~ ASGROW AG 4403*	60.5	71.7		2.0	1.9		45	10/12
CAVERNDALE CF 461	60.3	63.8	49.0	3.0	2.5	2.0	49	10/9
~ SOUTHERN STATES RT-4980	60.3	69.5		3.3	2.6		49	10/12
~ ASGROW AG 4301*	60.0	70.7	55.5	2.8	2.3	1.8	44	10/9
~ CROPLAN GENETICS RC4444**	60.0			2.3			45	10/9
~ BIO GENE BG 4401NRR**	59.9			2.0			46	10/6
~ DEKALB CX480cRR**	59.6			2.5			45	10/10
~ GREAT LAKES GL 4309 RR**	59.6	70.0		2.0	1.9		43	10/9
~ GOLDEN HARVEST H-4147RR**	59.4			2.0			46	10/7
~ LG SEEDS C4350NRR*	59.3	68.5		2.3	1.9		47	10/6
~ SOUTHERN CROSS-JEREMIAH 4.3N-RR*	59.1			2.0			46	10/6
~ DEKALB DKB45-51*	58.9			2.5			46	10/8
~ CAVERNDALE CF 489nRR**	58.8			2.5			46	10/10
P REND**	58.8	69.0	54.4	3.3	2.9	2.3	46	10/3
~ CROW'S C48009RN**	58.5			2.5			45	10/10
~ GATEWAY 4R472	58.3	67.8		2.8	2.8		50	10/13
NS K 1431 (high protein)	58.1	61.2		4.0	3.5		43	10/8
~ CROPLAN GENETICS RT4241	58.1			3.3			48	10/8
~ SOUTHERN STATES RT-446N*	57.9	67.9	52.5	2.5	2.4	1.9	45	10/10
NS L96-5104 (natto type)	57.8	65.6		2.5	2.4		41	10/8
~ DELTA KING XTJ 124 RR**	57.6			2.3			46	10/9
~ VIGORO V462NRS**	57.4			3.3			48	10/11
~ LG SEEDS C9447RR	57.2			3.0			48	10/8
UNISOUTH GENETICS USG 7499	57.1	64.7	48.2	2.3	2.3	1.8	46	10/15
~ LG SEEDS C9480RR	56.3	66.1	51.2	3.8	3.0	2.3	48	10/10
~ VIGORO V422NRR*	56.2			2.3			45	10/5
~ PRAIRIE STREAM FARMS PSF 4102NRR**	55.9			2.3			44	10/4
SOUTHERN STATES 439	55.8	70.8	53.6	2.8	2.4	1.9	53	10/9
~ DELTA KING 4762 RR**	55.5			2.8			52	10/15
~ DELTA AND PINE LAND DP4344RR	55.3	61.9	48.7	3.0	2.8	2.2	53	10/11
NS IA 4001 (natto type)	54.9	57.9		4.3	3.5		45	10/2
P INA**	54.6	64.3	51.3	4.0	3.3	2.5	48	10/3
~ NK BRAND S46-G2**	54.6	70.5		2.8	2.4		48	10/10
GATEWAY 493*	54.5			3.0			46	10/11
~ DYNA-GRO 3468N RR**	54.1	68.7	53.6	2.0	1.9	1.6	42	10/9
~ HORNBECK HBK R4920	53.9	65.9		3.5	2.9		47	10/12
~ DELTA KING 4965 RR**	53.3			3.0			42	10/15
~ SOUTHERN STATES RT-4495N**	52.2	63.4	50.3	2.0	1.5	1.3	40	10/7
P MANOKIN*	52.0	62.8	46.9	3.5	2.9	2.6	39	10/17
~ CROPLAN GENETICS YRC49*	51.3			3.0			38	10/22
~ EXCEL 8494NRR*	49.0			3.0			49	10/10
~ HORNBECK HBK R4660**	48.8	61.4	48.3	2.5	2.5	2.0	50	10/11
~ GREAT LAKES GL 4909 RR**	47.0			3.5			47	10/15
NS K93-81-37 (small-seeded food type)	42.9			4.0			28	10/16
GROUP IV AVERAGE	60.5	69.1	53.0	2.7	2.5	1.9	46	10/9
LSD (0.10)	4.6	4.0	2.6	0.4	0.3	0.2	3	

continued on next page

TABLE 7. 2001 FAYETTE COUNTY FULL SEASON VARIETY TEST (continued)

VARIETY / BRAND	YIELD (BU/AC) <sup>A</sup>			LODGING			PLANT HEIGHT (IN) 2001	MATURITY DATE 2001
	2001	00-01	99-01	2001	00-01	99-01		
<b>LATE ( GROUP V )</b>								
~ ASGROW AG 5001	<b>64.2</b>	<b>65.0</b>	<b>50.0</b>	2.0	2.0	1.7	43	10/17
P HOLLADAY	59.0	56.7	44.2	3.3	2.1	1.8	37	10/19
P HUTCHESON	57.5	55.1	43.3	2.8	2.6	2.1	39	10/22
~ PIONEER VARIETY 95B32**	56.9	57.0	43.6	2.3	2.1	1.8	41	10/21
PIONEER VARIETY 95B33**	56.5	59.3		2.5	2.1		40	10/21
~ UNISOUTH GENETICS USG 540nRR**	55.4			2.5			39	10/23
P DELSOY 5500**	54.2	55.1		2.8	2.6		40	10/24
NS K1436 (high protein)	54.0			2.8			37	10/22
~ VIGORO V543NRR**	53.8			2.5			43	10/23
SOUTHERN STATES 5200-ST5	53.6			2.8			51	10/22
~ NK BRAND S52-U3**	52.0			3.8			42	10/21
~ CROPLAN GENETICS RC5454**	50.6			2.8			43	10/24
NS K93-86-14 (small-seeded type)	50.2			3.3			48	10/22
~ CROW'S C5410R**	50.2			2.8			41	10/23
P ANAND**	50.1	55.0	42.0	3.0	2.5	2.0	36	10/22
~ DELTA KING 5661 RR**	50.0			3.3			42	10/25
~ ASGROW AG 5501*	50.0	54.8		2.5	2.5		41	10/22
~ SOUTHERN STATES RT-5401N**	49.8			2.8			43	10/24
~ CROW'S C5118R**	49.6			2.8			43	10/22
P CAVINESS**	49.5	46.6	37.0	3.8	3.6	2.8	40	10/23
~ DELTA KING 5465 RR**	49.5	53.2		2.3	2.4		42	10/24
~ UNISOUTH GENETICS USG 510nRR**	49.2	51.0		3.0	2.5		44	10/24
~ DYNA-GRO 3521N RR**	48.9	51.8		2.8	2.6		44	10/23
~ VIGORO V512NRR**	48.7			3.0			43	10/17
~ EXCEL 8525NRR**	48.2			3.3			37	10/19
~ HORNBECK HBK R5420*	48.1			2.8			42	10/24
~ SOUTHERN STATES RT-557N**	47.7	45.9	35.3	3.3	3.3	2.5	46	10/23
~ DYNA-GRO 3518N RR**	47.7			3.0			46	10/19
~ SOUTHERN STATES RT-517N**	47.2	52.7	40.8	3.8	2.9	2.3	50	10/19
~ GREAT LAKES GL 5309 RR**	47.1			2.8			41	10/23
~ UNISOUTH GENETICS USG 7547RR	46.5	46.1	35.1	3.3	3.0	2.5	38	10/22
~ LG SEEDS C5151NRR**	46.5			3.3			48	10/17
~ GOLDEN HARVEST H-5137RR**	46.0			3.0			43	10/17
~ DELTA KING 5668 RR**	46.0			3.3			40	10/22
~ CROPLAN GENETICS RC5252**	45.9			2.5			44	10/23
~ CROPLAN GENETICS YRC51**	45.5			2.8			47	10/19
~ AGVENTURE SEED AV 6501 N RR**	45.0			3.0			48	10/16
~ HORNBECK HBK R5588**	44.1	40.5	31.6	3.5	3.4	2.8	45	10/24
~ DELTA KING 5366 RR**	43.5			3.5			42	10/22
~ SOUTHERN STATES RT-5001N**	43.3			3.0			45	10/19
DELTA KING 5995**	42.7			3.8			43	10/24
~ PIONEER VARIETY 95B53**	41.3	45.7		3.0	3.1		47	10/23
P K1425**	40.7			3.0			39	10/24
~ DELTA KING 5762 RR**	38.1			3.5			48	10/25
GROUP V AVERAGE	49.2	52.4	40.3	3.0	2.7	2.2	43	10/21
LSD (0.10)	4.3	2.8	2.1	0.4	0.3	0.2	4.0	
GRAND MEAN	58.5	65.4	49.4	2.8	2.4	2.0	44.3	

~ Roundup Ready variety.

P Entries with a P prefix are public varieties.

NS Entries with a NS prefix are novel soybean varieties that are emerging from both the public and private sectors. Some of these value-added soybean types will supply relatively small market niches, while others may be of much broader market value. Testing novel soybeans will enable producers to assess whether premiums for a given trait offset possible yield lag/drag.

\* Resistant to the soybean cyst nematode (Race 3).

\*\* Resistant to the soybean cyst nematode (Race 3 and Race 14).

<sup>A</sup> Within a maturity group, shaded yields are not significantly different (0.10 level) from the highest yielding cultivar (bold data) of that maturity group and year column.



**TABLE 8. 2001 LOGAN COUNTY FULL SEASON VARIETY TEST**

VARIETY / BRAND	YIELD (BU/AC) <sup>A</sup>			LODGING		
	2001	00-01	99-01	2001	00-01	99-01
<b>EARLY ( GROUP III )</b>						
~ STINE 3800-4	<b>62.6</b>	<b>74.7</b>		2.0	2.6	
STINE 3870-0	61.3	73.6		2.8	2.9	
NK BRAND S38-T8**	61.1	64.5		2.8	2.6	
~ CROPLAN GENETICS RC3838**	58.9			2.0		
NK BRAND S38-E9	57.8			2.0		
~ GOLDEN HARVEST H-3983RR	57.6	68.8		1.5	2.3	
PIONEER VARIETY 93B87	56.9			2.5		
~ ASGROW AG 3902*	56.1			2.5		
~ ASGROW AG 3903*	56.0			2.5		
~ DELTA KING XTJ 193 RR**	55.5			2.0		
~ DEKALB DKB38-52**	55.2			2.0		
~ PRAIRIE STREAM FARMS PSF 3501RR	55.2			2.8		
~ NK BRAND S39-Q4	55.0			2.5		
~ DELTA KING 3961 RR**	53.5			2.0		
~ GARST SEED D399 RR/N**	53.5			2.8		
SOUTHERN STATES 381-STS	53.3	62.0	<b>57.9</b>	3.0	3.0	3.3
~ CAVERNDAL CF 392nRR**	52.9			2.5		
~ SOUTHERN STATES RT-3799N**	52.3	62.6		2.0	2.1	
~ PRAIRIE STREAM FARMS PSF 3598RR	52.1			2.5		
~ CROPLAN GENETICS RC3866**	52.0			2.0		
~ DELTA KING 3964 RR**	51.8			3.0		
~ STINE 3632-4**	51.6			1.8		
~ PIONEER VARIETY 93B85**	51.1			2.5		
~ DELTA KING XTJ 183 RR	51.1			2.5		
~ SOUTHERN CROSS-ANDREW 3.9N-RR**	50.3			2.5		
~ PIONEER VARIETY 93B67**	50.1			2.3		
~ STINE 3763-4	50.0	68.1		2.8	2.8	
NS PIONEER VARIETY P9305 (tofu type)	49.1	63.1		2.3	2.3	
~ SOUTHERN CROSS-SOLOMON 3.8-RR	48.5	68.0		2.5	2.8	
~ SOUTHERN STATES RT-3975	47.6	61.1	<b>56.7</b>	3.0	2.9	3.3
~ PRAIRIE STREAM FARMS PSF 3999NRR**	47.6			1.8		
NS IA 3001 (high protein)	46.9			2.3		
NS FG 1 (tofu type)	46.8	59.5		4.0	3.4	
NS NE 3396 (high protein, high yield)	46.0	59.4		2.5	2.5	
NS IA 3011 (tofu type)	45.6	60.8		2.3	2.6	
NS U95-3813 (natto type)	45.1	51.8		1.0	1.3	
NS IA 2025 (triple null)	42.1	52.2		1.3	1.4	
NS U97-207427 (high protein, high yield)	42.0	60.0		2.8	2.5	
NS RUPP SEED EXP. 2702 (tofu type)	39.7			4.3		
NS RUPP SEED EXP. 2703 (tofu type)	36.8			2.8		
GROUP III AVERAGE	51.5	63.1	57.3	2.4	2.5	3.3
LSD (0.10)	5.1	5.8	4.3	0.4	0.4	0.7
<b>MID-SEASON ( GROUP IV )</b>						
~ SEED CONSULTANTS SC 9442 RR**	<b>66.1</b>			2.0		
~ PIONEER VARIETY 94B73	63.7			2.5		
~ STINE 4700-4	61.8			2.0		
~ CROPLAN GENETICS RC4444**	59.3			2.5		
~ ASGROW AG 4403*	59.0	67.6		2.5	2.5	
DELTA KING 4680	58.6	<b>70.6</b>		2.8	2.9	
~ DELTA KING XTJ 124 RR**	58.5			1.8		
~ DEKALB DKB44-51*	57.8	66.4		2.3	2.0	
~ HORNBECK HBK R4820*	57.5			2.0		
~ GOLDEN HARVEST H-4534RR**	57.0			2.0		
SOUTHERN STATES 439	56.3	<b>73.0</b>	<b>65.3</b>	2.3	2.5	2.6
LG SEEDS C9474	55.9	<b>72.8</b>	<b>62.9</b>	3.5	3.6	3.7
~ DELTA KING 4868 RR	55.9	65.1	59.4	2.3	2.1	2.5
NS DAIRYLAND DST4203 (large-seed food type)	55.8			2.3		
~ DELTA KING 4965 RR**	55.6			2.0		
SOUTHERN STATES 4483N-STS**	55.0	66.5		2.3	2.5	
PIONEER VARIETY 94B53**	54.9	62.7	57.1	3.0	2.9	2.8
~ GARST SEED D484 RR/N**	54.6			2.5		
~ PIONEER VARIETY 94B23*	54.3			2.5		
~ PIONEER VARIETY 9492**	54.2	60.9	56.9	2.0	2.3	2.6
~ CROW'S C4417R**	54.1			2.5		
~ ASGROW AG 4702**	54.0	63.0	57.9	2.0	2.1	2.3
~ ASGROW AG 4301*	53.9	62.1	58.0	2.0	2.0	2.5
~ DELTA AND PINE LAND DP4690RR	53.8	67.3		2.8	3.3	

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**TABLE 8. 2001 LOGAN COUNTY FULL SEASON VARIETY TEST** (continued)

VARIETY / BRAND	YIELD (BU/AC) <sup>A</sup>			LODGING		
	2001	00-01	99-01	2001	00-01	99-01
~ STINE 4202-4**	53.5			1.8		
~ DEKALB DKB45-51*	53.4			2.3		
DELTA AND PINE LAND DP4748S	53.4			3.8		
ASGROW A 4324*	53.0	67.5		3.0	2.9	
P TROLL	52.7	69.3	61.8	1.0	1.8	1.6
~ BIO GENE BG 4401NRR**	52.5			2.0		
~ DELTA KING XTJ 184 RR**	52.5			2.5		
~ CAVERNDALE CF 489nRR**	52.4			2.3		
~ GOLDEN HARVEST H-4850RR**	51.8			2.5		
~ CROPLAN GENETICS RT4241	51.8			3.0		
~ ASGROW AG 4902**	51.6	62.8	57.4	2.3	2.4	2.8
~ PRAIRIE STREAM FARMS PSF 4102NRR**	51.6			2.0		
DELTA KING 4711	51.6	63.1		3.5	3.3	
~ CROPLAN GENETICS RC4848**	51.5	65.1	58.3	2.5	2.8	3.3
~ VIGORO V472NRR**	51.3			2.5		
CAVERNDALE CF 461	51.3	61.6	55.3	3.3	3.4	3.3
~ CROW'S C48009RN**	51.0			2.5		
~ AGVENTURE SEED AV 6441 N RR**	50.9			2.3		
~ SOUTHERN STATES RT-4098	50.9	68.3		2.0	2.3	
~ DYNA-GRO 3484N RR**	50.7			2.3		
~ VIGORO V422NRR*	50.6			1.8		
~ CAVERNDALE CF 444nRR**	50.5			2.3		
CAVERNDALE CF 492	50.5	63.3	57.3	2.5	2.9	3.3
~ SOUTHERN CROSS-JEREMIAH 4.3N-RR*	50.4			2.0		
~ CROPLAN GENETICS RC4995	50.3			3.0		
~ GREAT LAKES GL 4800 RR	50.3	63.3		2.8	2.9	
~ LG SEEDS C9480RR	50.2	60.4	52.9	2.8	3.3	3.3
GOLDEN HARVEST H-4459STS**	50.2	63.8	62.1	2.3	2.6	3.0
~ SOUTHERN CROSS-TITUS 4.8N-RR**	50.2	63.8		2.5	2.5	
HORNBECK HBK 4891	50.1	59.0	56.7	3.0	3.1	3.5
~ DYNA-GRO 3468N RR**	49.8	62.2	58.4	2.3	2.1	2.5
~ SOUTHERN STATES RT-4980	49.7	63.0		2.8	3.0	
NK BRAND S42-H1**	49.7	61.4		2.5	2.3	
~ DELTA KING 4762 RR**	49.6			2.3		
SOUTHERN CROSS-AARON 4.5N-ST5**	49.6	64.6		3.0	2.8	
~ GREAT LAKES GL 4309 RR**	49.1	63.8		1.5	1.5	
NS K1433 (high protein)	48.9			1.5		
~ STINE 3808-4	48.9			1.5		
~ DELTA KING XTJ 174 RR**	48.8			2.5		
~ PIONEER VARIETY 94B54**	48.4			2.0		
~ AGVENTURE SEED AV 6489 N RR**	47.9			2.8		
~ GREAT LAKES GL 4109 RR*	47.8			2.3		
P MANOKIN*	47.8	60.4	52.0	4.0	3.9	3.6
~ VIGORO V462NRS**	47.7			3.0		
~ LG SEEDS C4350NRR*	47.6	61.8		2.0	2.4	
~ SOUTHERN STATES RT-446N*	47.4	59.2	54.8	2.3	2.3	2.6
~ DEKALB CX480cRR**	47.2			2.8		
~ LG SEEDS C9447RR	47.1			3.0		
~ HORNBECK HBK R4660**	47.1	58.5	53.2	2.5	2.6	2.7
STINE 4702-2**	46.9	64.2	58.1	3.0	3.0	3.3
~ GOLDEN HARVEST H-4147RR**	46.8			1.5		
~ DEKALB DKB40-51*	45.9			1.8		
P INA**	45.1	57.7	50.4	4.8	4.4	4.3
~ GATEWAY 4R472	44.9	65.8		2.8	3.0	
~ GATEWAY 4R483**	44.5			2.8		
~ NK BRAND S46-G2**	44.3	55.8		2.0	2.1	
~ HORNBECK HBK R4920	43.6	64.3		3.3	3.5	
~ SOUTHERN STATES RT-4495N**	43.1	58.6	55.1	1.5	1.8	2.3
GATEWAY 493*	42.8			4.0		
~ CROPLAN GENETICS YRC49*	41.8			4.0		
NS L96-5104 (natto type)	41.2	54.0		2.0	2.3	
~ EXCEL 8494NRR*	40.4			1.8		
P REND**	39.7	56.5	53.5	3.0	3.0	3.3
~ DELTA AND PINE LAND DP4344RR	38.3	55.0	49.0	3.3	3.0	3.1
NS IA 4001 (natto type)	37.9	51.8		5.0	4.5	
UNISOUTH GENETICS USG 7499	37.9	52.6	48.2	2.0	2.3	2.8
NS K 1431 (high protein)	37.2	48.5		3.5	3.8	
NS K93-9-56 (large-seeded food type)	37.2			3.0		
~ GREAT LAKES GL 4909 RR**	36.8			3.5		
NS K93-81-37 (small-seeded food type)	24.9			4.0		
GROUP IV AVERAGE	50.0	62.5	56.7	2.6	2.8	3.0
LSD (0.10)	5.5	4.7	3.5	0.4	0.3	0.3

*continued on next page*

**TABLE 8. 2001 LOGAN COUNTY FULL SEASON VARIETY TEST** (continued)

VARIETY / BRAND	YIELD (BU/AC) <sup>A</sup>			LODGING		
	2001	00-01	99-01	2001	00-01	99-01
<b>LATE ( GROUP V )</b>						
~ UNISOUTH GENETICS USG 540nRR**	<b>59.5</b>			3.3		
P DELSOY 5500**	58.5	60.4		2.5	3.1	
~ CROW'S C5118R**	58.4			2.8		
~ ASGROW AG 5501*	58.3	63.0		2.8	3.0	
~ UNISOUTH GENETICS USG 510nRR**	57.6	60.7		2.8	2.6	
~ GREAT LAKES GL 5309 RR**	56.8			2.0		
~ CROPLAN GENETICS RC5252**	56.7			2.5		
P CAVINESS**	56.5	58.2	52.2	4.5	4.3	4.2
~ DELTA KING 5465 RR**	54.9	64.3		2.8	2.8	
~ EXCEL 8525NRR**	54.6			4.0		
NS K1436 (high protein)	54.5			3.5		
~ ASGROW AG 5001	54.2	65.7	56.3	2.5	2.6	3.0
~ PIONEER VARIETY 95B32**	54.0	60.1	51.1	3.5	3.1	3.2
P HUTCHESON	53.6	57.2	50.7	3.8	3.5	3.6
~ CROPLAN GENETICS RC5454**	53.3			2.5		
~ VIGORO V543NRR**	52.5			3.0		
~ NK BRAND S52-U3**	52.4			4.0		
~ CROW'S C5410R**	51.9			3.5		
~ PIONEER VARIETY 95B33**	51.8	58.1		3.5	3.0	
~ SOUTHERN STATES RT-5001N**	49.9			4.0		
P HOLLADAY	49.2	58.5	48.4	4.3	3.9	4.1
~ SOUTHERN STATES RT-5401N**	48.9			2.8		
~ DYNA-GRO 3518N RR**	48.9			3.8		
~ HORNBECK HBK R5588**	48.7	61.1	52.4	4.0	3.9	3.8
~ DYNA-GRO 3521N RR**	48.7	58.2		3.0	2.9	
~ SOUTHERN STATES 5200-ST5	48.3			2.8		
~ DELTA KING 5668 RR**	48.2			4.0		
~ CROPLAN GENETICS YRC51**	47.8			3.8		
~ HORNBECK HBK R5420*	47.5			2.8		
~ LG SEEDS C5151NRR**	47.3			4.3		
~ UNISOUTH GENETICS USG 7547RR	46.3	50.8	45.3	4.0	3.6	3.6
~ AGVENTURE SEED AV 6501 N RR**	46.2			4.0		
NS K93-86-14 (small-seeded type)	45.3			4.3		
~ VIGORO V512NRR**	45.1			3.8		
~ DELTA KING 5366 RR**	44.8			4.0		
~ SOUTHERN STATES RT-557N**	44.2	52.3	45.9	4.0	3.8	3.8
P ANAND**	44.1	53.9	45.6	3.5	3.0	3.0
~ DELTA KING 5995**	44.1			4.3		
~ DELTA KING 5661 RR**	43.1			4.0		
P K1425**	43.1			3.8		
~ PIONEER VARIETY 95B53**	41.3	50.3		4.3	3.9	
~ SOUTHERN STATES RT-517N**	41.2	48.7	44.6	4.0	3.4	3.3
~ GOLDEN HARVEST H-5137RR**	41.2			3.8		
~ DELTA KING 5762 RR**	41.2			4.0		
GROUP V AVERAGE	49.9	57.7	49.3	3.5	3.3	3.6
LSD (0.10)	6.1	6.3	4.8	0.5	0.3	0.4
GRAND MEAN	50.3	61.6	54.7	2.8	2.8	3.1

~ Roundup Ready variety.

P Entries with a P prefix are public varieties.

NS Entries with a NS prefix are novel soybean varieties that are emerging from both the public and private sectors. Some of these value-added soybean types will supply relatively small market niches, while others may be of much broader market value. Testing novel soybeans will enable producers to assess whether premiums for a given trait offset possible yield lag/drag.

\* Resistant to the soybean cyst nematode (Race 3).

\*\* Resistant to the soybean cyst nematode (Race 3 and Race 14).

<sup>A</sup> Within a maturity group, shaded yields are not significantly different (0.10 level) from the highest yielding cultivar (bold data) of that maturity group and year column.

**TABLE 9. 2001 UNION COUNTY FULL SEASON VARIETY TEST<sup>A</sup>**

VARIETY / BRAND	YIELD (BU/AC) <sup>B</sup>			LODGING		
	2001	00-01	99-01	2001	00-01	99-01
<b>EARLY ( GROUP III )</b>						
~ ASGROW AG 3903*	<b>64.2</b>			2.5		
PIONEER VARIETY 93B87	64.1			1.5		
~ SOUTHERN CROSS-ANDREW 3.9N-RR**	62.4			1.5		
~ STINE 3632-4**	61.2			1.3		
~ PIONEER VARIETY 93B67**	61.0			2.3		
~ CROPLAN GENETICS RC3838**	61.0			2.3		
NK BRAND S38-E9	60.8			2.3		
~ DEKALB DKB38-52**	60.6			1.8		
~ PRAIRIE STREAM FARMS PSF 3501RR	60.6			2.3		
~ GOLDEN HARVEST H-3983RR	59.9	<b>56.2</b>		1.8	1.4	
~ NK BRAND S39-Q4	59.2			2.0		
~ STINE 3800-4	<b>58.9</b>	<b>55.2</b>		1.3	1.4	
~ PRAIRIE STREAM FARMS PSF 3999NRR**	58.0			2.0		
~ ASGROW AG 3902*	57.6			1.8		
NK BRAND S38-T8**	57.5	<b>51.7</b>		1.8	1.6	
~ DELTA KING 3964 RR**	57.2			2.5		
~ SOUTHERN STATES RT-3799N**	56.8	<b>50.8</b>		2.0	1.6	
~ DELTA KING 3961 RR**	56.4			1.8		
~ DELTA KING XTJ 183 RR	56.3			2.3		
~ SOUTHERN STATES RT-3975	55.6	<b>51.4</b>		2.0	1.8	
~ DELTA KING XTJ 193 RR**	55.5			1.0		
NS PIONEER VARIETY P9305 (tofu type)	53.6	47.5		1.8	1.4	
~ SOUTHERN CROSS-SOLOMON 3.8-RR	53.6	50.1		2.0	1.6	
~ PIONEER VARIETY 93B85**	53.3			2.0		
NS U97-207427 (high protein, high yield)	51.9	<b>53.1</b>		2.0	1.9	
~ CROPLAN GENETICS RC3866**	50.5			1.3		
NS NE 3396 (high protein, high yield)	50.3	<b>51.3</b>		1.5	1.6	
STINE 3870-0	50.2	<b>54.7</b>		1.5	1.8	
NS FG 1 (tofu type)	49.1	44.1		2.3	1.6	
~ GARST SEED D399 RR/N**	47.5			2.0		
SOUTHERN STATES 381-STS	45.4	46.8		1.5	1.4	
~ CAVERNDALE CF 392nRR**	44.4			1.0		
NS IA 3001 (high protein)	44.0			1.8		
NS IA 3011 (tofu type)	42.4	41.9		1.0	1.0	
NS RUPP SEED EXP. 2702 (tofu type)	41.6			3.5		
~ STINE 3763-4	41.6	46.0		1.3	1.1	
NS RUPP SEED EXP. 2703 (tofu type)	41.1			2.5		
NS U95-3813 (natto type)	40.0	41.9		1.0	1.0	
~ PRAIRIE STREAM FARMS PSF 3598RR	39.8			2.0		
NS IA 2025 (triple null)	36.3	42.2		1.3	1.4	
GROUP III AVERAGE	53.0	49.1		1.8	1.5	
LSD (0.10)	5.7	5.7		0.7	0.4	
<b>MID-SEASON ( GROUP IV )</b>						
~ DELTA KING XTJ 174 RR**	<b>64.2</b>			2.5		
~ STINE 4202-4**	63.2			1.8		
~ PIONEER VARIETY 94B23*	62.1			3.3		
ASGROW A 4324*	62.0	<b>56.6</b>		3.3	2.5	
DELTA AND PINE LAND DP4748S	61.1			3.0		
~ DELTA KING XTJ 184 RR**	60.1			3.5		
~ BIO GENE BG 4401NRR**	<b>59.9</b>			2.8		
~ GATEWAY 4R483**	58.6			3.0		
~ CROW'S C4417R**	58.5			2.5		
~ PIONEER VARIETY 94B54**	58.4			3.0		
~ AGVENTURE SEED AV 6441 N RR**	58.3			2.3		
DELTA KING 4680	58.2	52.0		3.3	2.5	
~ SOUTHERN CROSS-TITUS 4.8N-RR**	58.0	50.4		3.0	2.4	
DELTA KING 4711	57.4	<b>55.2</b>		3.0	2.6	
~ DELTA KING XTJ 124 RR**	57.3			2.3		
NS DAIRYLAND DST4203 (large-seed food type)	57.2			2.3		
~ ASGROW AG 4902**	57.2	<b>54.7</b>		2.5	2.3	
~ DEKALB CX480cRR**	57.2			3.0		
~ HORNBECK HBK R4820*	56.9			2.0		
~ GREAT LAKES GL 4109 RR*	56.7			2.8		
~ CROPLAN GENETICS RC4444**	56.3			2.5		
~ DEKALB DKB44-51*	56.2	50.7		2.0	1.9	
~ SEED CONSULTANTS SC 9442 RR**	56.1			2.5		
LG SEEDS C9474	55.8	<b>57.0</b>		3.5	2.6	

*continued on next page*

**TABLE 9. 2001 UNION COUNTY FULL SEASON VARIETY TEST<sup>A</sup>** (continued)

VARIETY / BRAND	YIELD (BU/AC) <sup>B</sup>			LODGING		
	2001	00-01	99-01	2001	00-01	99-01
~ DEKALB DKB45-51*	55.4			3.0		
~ GOLDEN HARVEST H-4534RR**	55.4			2.0		
~ GARST SEED D484 RR/N**	55.3			2.5		
~ VIGORO V472NRR**	55.1			2.8		
GOLDEN HARVEST H-4459STS**	55.0	57.3		3.3	2.5	
~ CROPLAN GENETICS RC4995	55.0			3.3		
~ GREAT LAKES GL 4309 RR**	54.9	49.1		1.3	1.4	
~ CROPLAN GENETICS RC4848**	54.8	50.6		2.8	2.1	
P TROLL	54.7	55.2		1.3	1.3	
~ VIGORO V462NRS**	54.3			2.8		
~ LG SEEDS C9480RR	54.2	51.7		3.5	2.5	
~ DYNA-GRO 3484N RR**	54.2			2.5		
P INA**	54.2	47.6		4.3	3.4	
~ NK BRAND S46-G2**	54.2	50.9		3.3	2.6	
~ ASGROW AG 4403*	53.9	50.2		3.0	2.1	
~ GREAT LAKES GL 4800 RR	53.9	49.5		3.0	2.4	
~ AGVENTURE SEED AV 6489 N RR**	53.7			3.5		
~ DELTA KING 4868 RR	53.6	52.4		2.8	2.4	
CAVERNDALE CF 461	53.6	46.7		3.8	2.6	
HORNBECK HBK 4891	53.5	47.6		2.5	1.9	
~ PIONEER VARIETY 94B73	53.3			3.5		
~ ASGROW AG 4702**	53.3	52.7		2.3	1.9	
~ CAVERNDALE CF 489nRR**	53.0			3.0		
~ CROW'S C48009RN**	53.0			3.3		
GATEWAY 493*	52.9			3.0		
P MANOKIN*	52.9	50.1		4.0	3.0	
CAVERNDALE CF 492	52.9	50.9		2.3	2.0	
~ GATEWAY 4R472	52.8	46.0		2.5	1.9	
~ HORNBECK HBK R4920	52.8	46.9		3.3	2.4	
~ DEKALB DKB40-51*	52.6			2.8		
~ SOUTHERN STATES RT-4980	52.5	44.8		3.3	2.4	
~ SOUTHERN STATES RT-446N*	52.4	50.4		2.5	2.3	
~ SOUTHERN CROSS-JEREMIAH 4.3N-RR*	52.2			3.5		
PIONEER VARIETY 94B53**	52.1	55.9		3.0	2.6	
STINE 4702-2**	52.0	53.7		2.5	2.3	
SOUTHERN CROSS-AARON 4.5N-ST5**	52.0	50.4		3.5	2.6	
~ CAVERNDALE CF 444nRR**	51.8			2.8		
SOUTHERN STATES 4483N-ST5**	51.8	52.4		2.5	2.0	
~ LG SEEDS C9447RR	51.6			3.5		
~ DELTA AND PINE LAND DP4690RR	51.4	50.3		3.3	2.4	
~ ASGROW AG 4301*	51.0	49.3		2.5	2.0	
SOUTHERN STATES 439	50.9	46.7		3.8	2.6	
~ LG SEEDS C4350NRR*	50.4	45.0		4.0	2.5	
~ PIONEER VARIETY 9492**	50.3	48.9		2.3	2.1	
P STRESSLAND	50.3	50.7		3.8	2.6	
~ STINE 4700-4	49.5			1.8		
NK BRAND S42-H1**	49.4	48.1		2.8	2.1	
~ SOUTHERN STATES RT-4098	49.3	47.1		3.3	2.6	
~ CROPLAN GENETICS YRC49*	49.0			4.3		
~ DELTA KING 4965 RR**	48.9			3.0		
~ CROPLAN GENETICS RT4241	48.3			3.8		
~ PRAIRIE STREAM FARMS PSF 4102NRR**	48.3			2.5		
~ DELTA AND PINE LAND DP4344RR	46.6	46.5		3.3	2.9	
~ STINE 3808-4	46.5			2.3		
NS L96-5104 (natto type)	45.5	46.5		3.0	2.6	
~ GOLDEN HARVEST H-4147RR**	45.2			3.0		
P REND**	45.1	46.3		4.0	3.4	
~ SOUTHERN STATES RT-4495N**	44.1	41.6		2.0	1.5	
~ DELTA KING 4762 RR**	44.1			2.5		
NS IA 4001 (natto type)	43.5	42.6		5.0	4.1	
~ VIGORO V422NRR*	43.4			2.5		
~ HORNBECK HBK R4660**	42.2	44.0		2.5	2.1	
NS K93-9-56 (large-seeded food type)	41.2			3.3		
~ GREAT LAKES GL 4909 RR**	41.0			3.0		
~ DYNA-GRO 3468N RR**	38.0	44.7		2.5	2.1	
NS K1433 (high protein)	37.9			2.0		
~ EXCEL 8494NRR*	37.7			2.5		
UNISOUTH GENETICS USG 7499	35.6	45.7		1.5	1.8	
NS K 1431 (high protein)	32.8	40.2		3.8	3.1	
NS K93-81-37 (small-seeded food type)	24.4			3.3		
GROUP IV AVERAGE	51.9	49.4		2.9	2.4	
LSD (0.10)	5.0	4.5		0.6	0.5	

continued on next page

**TABLE 9. 2001 UNION COUNTY FULL SEASON VARIETY TEST<sup>A</sup> (continued)**

VARIETY / BRAND	YIELD (BU/AC) <sup>B</sup>			LODGING		
	2001	00-01	99-01	2001	00-01	99-01
<b>LATE ( GROUP V )</b>						
~ NK BRAND S52-U3**	<b>57.1</b>			3.8		
P ANAND**	53.7	45.8	45.0	2.5	1.9	1.6
PIONEER VARIETY 95B33**	53.5	<b>53.5</b>		2.8	2.5	
P HOLLADAY	53.3	51.2	<b>50.5</b>	3.5	3.1	2.4
~ GREAT LAKES GL 5309 RR**	53.0			2.5		
P DELSOY 5500**	50.3	48.2		2.8	2.6	
NS K1436 (high protein)	50.1			3.0		
~ DELTA KING 5668 RR**	49.6			4.0		
~ UNISOUTH GENETICS USG 540nRR**	49.4			2.5		
~ CROW'S C5410R**	49.4			2.8		
~ DELTA KING 5465 RR**	49.1	47.7		2.8	2.1	
~ PIONEER VARIETY 95B32**	48.9	43.5	42.0	2.8	2.3	1.8
~ ASGROW AG 5501*	48.9	47.3		2.8	2.1	
~ SOUTHERN STATES RT-517N**	48.5	<b>50.4</b>	45.4	3.3	2.9	2.3
~ DYNA-GRO 3518N RR**	48.0			2.5		
~ VIGORO V543NRR**	47.9			2.5		
~ HORNBECK HBK R5420*	47.7			2.3		
~ SOUTHERN STATES RT-557N**	47.4	46.0	42.9	2.8	2.8	2.2
~ HORNBECK HBK R5588**	47.3	45.1	41.9	3.5	3.1	2.4
~ UNISOUTH GENETICS USG 510nRR**	46.6	45.1		2.8	2.6	
~ DELTA KING 5366 RR**	46.4			4.0		
~ CROPLAN GENETICS RC5252**	46.3			2.3		
~ GOLDEN HARVEST H-5137RR**	46.2			2.8		
~ CROW'S C5118R**	46.2			2.3		
P CAVINESS**	46.1	45.2	43.9	4.5	4.0	3.0
P HUTCHESON	45.5	48.2	<b>47.1</b>	3.0	3.0	2.3
~ DELTA KING 5661 RR**	45.4			4.0		
~ UNISOUTH GENETICS USG 7547RR	45.3	43.7	41.9	2.8	2.6	2.1
DELTA KING 5995**	45.2			4.3		
~ LG SEEDS C5151NRR**	44.9			2.8		
~ CROPLAN GENETICS RC5454**	44.7			2.5		
SOUTHERN STATES 5200-STS	44.5			3.0		
~ DYNA-GRO 3521N RR**	44.0	45.4		2.3	2.3	
~ AGVENTURE SEED AV 6501 N RR**	43.7			2.5		
P K1425**	43.6			4.0		
~ VIGORO V512NRR**	43.4			2.8		
~ ASGROW AG 5001	42.6	48.7	46.5	2.8	2.4	1.9
~ CROPLAN GENETICS YRC51**	42.5			2.5		
~ DELTA KING 5762 RR**	42.2			4.0		
~ SOUTHERN STATES RT-5001N**	42.0			2.8		
~ EXCEL 8525NRR**	41.2			4.3		
~ SOUTHERN STATES RT-5401N**	40.3			2.0		
~ PIONEER VARIETY 95B53**	38.2	40.9		3.5	3.3	
NS K93-86-14 (small-seeded type)	36.9			4.5		
GROUP V AVERAGE	46.5	46.8	44.7	3.1	2.7	2.2
LSD (0.10)	3.9	3.9	3.7	0.5	0.4	0.2
GRAND MEAN	50.8	48.8		2.7	2.3	

~ Roundup Ready variety.

P Entries with a P prefix are public varieties.

NS Entries with a NS prefix are novel soybean varieties that are emerging from both the public and private sectors. Some of these value-added soybean types will supply relatively small market niches, while others may be of much broader market value. Testing novel soybeans will enable producers to assess whether premiums for a given trait offset possible yield lag/drag.

\* Resistant to the soybean cyst nematode (Race 3).

\*\* Resistant to the soybean cyst nematode (Race 3 and Race 14).

<sup>A</sup> 1999 data are from Daviess County, and the 2000-01 data are from Union County. No data were available for Daviess Co. maturity groups 3 and 4 due to excessive variability caused by the 1999 drought.

<sup>B</sup> Within a maturity group, shaded yields are not significantly different (0.10 level) from the highest yielding cultivar (bold data) of that maturity group and year column.



**TABLE 10. 2001 CALDWELL COUNTY DOUBLE CROP VARIETY TEST<sup>A</sup>**

VARIETY / BRAND	YIELD (BU/AC) <sup>B</sup>			LODGING		
	2001	00-01	99-01	2001	00-01	99-01
<b>EARLY ( GROUP III )</b>						
NK BRAND S38-E9	<b>53.0</b>			1.5		
~ NK BRAND S39-Q4	49.3			1.5		
~ DELTA KING XTJ 193 RR**	47.5			1.5		
~ GARST SEED D399 RR/N**	47.0			1.8		
~ DELTA KING 3964 RR**	46.3			2.5		
~ SOUTHERN STATES RT-3975	44.8	<b>43.8</b>	<b>40.5</b>	1.8	1.9	1.6
PIONEER VARIETY 93B87	44.0			2.5		
NS FG 1 (tofu type)	43.2	<b>39.5</b>		2.0	1.9	
SOUTHERN STATES 381-ST5	43.1	<b>42.6</b>	<b>41.1</b>	2.3	2.3	2.1
~ CAVERNDALE CF 392nRR**	42.1			2.0		
~ CROPLAN GENETICS RC3866**	41.7			1.8		
~ SOUTHERN CROSS-SOLOMON 3.8-RR	41.7	<b>39.6</b>		1.8	1.8	
STINE 3870-0	40.1	<b>40.3</b>		1.5	1.5	
NS PIONEER VARIETY P9305 (tofu type)	40.0	37.3		1.5	1.8	
NS IA 3001 (high protein)	39.5			1.3		
~ PIONEER VARIETY 93B67**	38.9			1.3		
~ STINE 3800-4	38.3	37.8		1.0	1.0	
NS IA 3011 (tofu type)	37.5	31.9		1.5	1.6	
~ DEKALB DKB38-52**	37.0			1.5		
NS IA 2025 (triple null)	36.9	35.7		1.5	1.3	
~ GOLDEN HARVEST H-3983RR	36.9	<b>42.5</b>		1.3	1.4	
NS RUPP SEED EXP. 2702 (tofu type)	36.6			2.5		
NS RUPP SEED EXP. 2703 (tofu type)	36.3			2.5		
~ SOUTHERN STATES RT-3799N**	35.7	<b>41.7</b>		1.5	1.6	
NK BRAND S38-T8**	34.9	38.2		1.8	1.8	
~ ASGROW AG 3902*	34.6			1.0		
~ PRAIRIE STREAM FARMS PSF 3598RR	33.9			1.8		
~ STINE 3632-4**	33.7			1.5		
~ SOUTHERN CROSS-ANDREW 3.9N-RR**	33.1			1.5		
~ CROPLAN GENETICS RC3838**	32.7			1.0		
~ DELTA KING 3961 RR**	32.3			1.5		
NS U97-207427 (high protein, high yield)	32.2	34.5		1.8	1.9	
~ PRAIRIE STREAM FARMS PSF 3999NRR**	32.1			1.5		
~ DELTA KING XTJ 183 RR	31.8			1.5		
~ ASGROW AG 3903*	31.6			1.3		
~ PIONEER VARIETY 93B85**	29.9			1.3		
~ PRAIRIE STREAM FARMS PSF 3501RR	29.3			2.0		
~ STINE 3763-4	29.2	36.4		1.5	1.4	
NS NE 3396 (high protein, high yield)	26.6	30.6		1.3	1.6	
NS U95-3813 (natto type)	22.1	29.1		1.5	1.5	
GROUP III AVERAGE	37.4	37.6	40.8	1.6	1.6	1.9
LSD (0.10)	7.8	5.1	2.4	0.5	0.3	0.3
<b>MID-SEASON ( GROUP IV )</b>						
~ BIO GENE BG 4401NRR**	<b>46.1</b>			1.0		
~ HORNBECK HBK R4920	45.3	<b>43.3</b>		2.5	2.3	
HORNBECK HBK 4891	44.8	<b>46.1</b>		2.3	2.1	
~ CROPLAN GENETICS RC4444**	44.6			1.5		
NS DAIRYLAND DST4203 (large-seed food type)	44.0			1.3		
~ CROPLAN GENETICS RC4995	43.9			2.5		
~ GATEWAY 4R472	42.9	<b>45.2</b>		2.0	2.0	
CAVERNDALE CF 461	42.8	<b>46.2</b>		1.5	1.9	
LG SEEDS C9474	42.6	39.3		1.8	2.1	
~ VIGORO V462NRS**	42.6			2.3		
GATEWAY 493*	42.4			2.0		
~ DEKALB DKB44-51*	42.3	39.8		1.0	1.0	
~ HORNBECK HBK R4820*	41.9			1.0		
~ DELTA AND PINE LAND DP4690RR	41.9	<b>42.9</b>		2.3	2.1	
~ CAVERNDALE CF 444nRR**	41.4			1.8		
~ ASGROW AG 4301*	41.4	39.1		2.0	2.0	
~ CROPLAN GENETICS YRC49*	41.4			3.3		
SOUTHERN STATES 4483N-ST5**	41.2	<b>43.4</b>		1.5	1.5	
P STRESSLAND	40.9	<b>43.7</b>		2.5	2.3	
~ LG SEEDS C9447RR	40.6			1.5		
ASGROW A 4324*	40.6	<b>42.3</b>		1.8	1.8	
NS IA 4001 (natto type)	40.3	37.1		2.3	2.3	
DELTA KING 4680	40.3	<b>42.3</b>		2.0	2.0	
~ SOUTHERN CROSS-JEREMIAH 4.3N-RR*	39.9			1.3		

*continued on next page*

**TABLE 10. 2001 CALDWELL COUNTY DOUBLE CROP VARIETY TEST<sup>A</sup> (continued)**

VARIETY / BRAND	YIELD (BU/AC) <sup>B</sup>			LODGING		
	2001	00-01	99-01	2001	00-01	99-01
~ GREAT LAKES GL 4109 RR*	39.3			1.3		
~ STINE 4202-4**	39.1			1.0		
~ LG SEEDS C9480RR	38.9	38.9		1.8	1.9	
CAVERNDALE CF 492	38.9	44.8		1.3	1.5	
GOLDEN HARVEST H-4459STS**	38.8	39.4		2.3	2.1	
P MANOKIN*	38.6	38.2		2.8	3.0	
NS K93-81-37 (small-seeded food type)	38.5			1.5		
DELTA AND PINE LAND DP4748S	38.4			2.0		
NK BRAND S42-H1**	38.4	39.8		1.8	1.9	
SOUTHERN STATES 439	38.3	42.2		1.8	1.8	
~ SEED CONSULTANTS SC 9442 RR**	38.1			1.3		
~ DELTA KING 4868 RR	38.1	37.1		1.5	1.5	
~ GOLDEN HARVEST H-4850RR**	37.9			1.8		
~ AGVENTURE SEED AV 6441 N RR**	37.6			1.0		
~ SOUTHERN STATES RT-4098	37.6	36.5		1.0	1.3	
DELTA KING 4711	37.5	40.4		1.8	2.0	
~ PIONEER VARIETY 94B54**	37.4			1.3		
SOUTHERN CROSS-AARON 4.5N-ST5**	37.2	41.8		1.8	1.9	
~ GREAT LAKES GL 4800 RR	37.1	38.7		1.5	1.8	
~ PIONEER VARIETY 94B23*	36.9			1.3		
~ PIONEER VARIETY 94B73	36.9			1.5		
~ STINE 4700-4	36.8			1.5		
~ GATEWAY 4R483**	36.7			1.0		
~ SOUTHERN STATES RT-4980	36.6	37.2		2.0	1.8	
~ DYNA-GRO 3484N RR**	36.4			2.0		
~ CROPLAN GENETICS RC4848**	36.1	37.7		1.5	1.5	
P TROLL	36.0	35.8		1.5	1.3	
~ CROPLAN GENETICS RT4241	35.9			1.8		
~ DELTA KING XTJ 124 RR**	35.9			1.5		
~ CROW'S C4417R**	35.8			1.0		
~ DELTA KING XTJ 184 RR**	35.8			1.0		
~ LG SEEDS C4350NRR*	35.6	37.6		1.0	1.0	
~ DELTA KING XTJ 174 RR**	35.5			1.3		
PIONEER VARIETY 94B53**	35.3	41.5		1.3	1.5	
~ DEKALB DKB45-51*	35.2			1.8		
~ ASGROW AG 4702**	35.1	37.4		1.0	1.5	
NS K1433 (high protein)	35.0			1.5		
~ SOUTHERN STATES RT-446N*	35.0	36.5		1.5	1.6	
~ EXCEL 8494NRR*	34.9			2.0		
~ GARST SEED D484 RR/N**	34.9			1.3		
~ DELTA KING 4965 RR**	34.7			2.0		
~ STINE 3808-4	34.5			1.0		
~ ASGROW AG 4902**	34.1	35.5		1.0	1.5	
~ VIGORO V422NRR*	34.0			1.8		
UNISOUTH GENETICS USG 7499	33.8	39.3		2.0	2.0	
~ DELTA AND PINE LAND DP4344RR	33.7	35.2		2.3	2.6	
NS L96-5104 (natto type)	33.4	34.5		1.3	1.8	
P INA**	33.3	40.9		1.8	1.9	
~ DEKALB DKB40-51*	33.1			1.0		
~ VIGORO V472NRR**	33.1			1.0		
NS K93-9-56 (large-seeded food type)	33.0			2.0		
~ GOLDEN HARVEST H-4534RR**	33.0			1.3		
P REND**	32.8	41.3		1.8	2.0	
~ SOUTHERN CROSS-TITUS 4.8N-RR**	32.8	38.9		1.3	1.5	
~ GOLDEN HARVEST H-4147RR**	31.8			1.0		
~ CAVERNDALE CF 489nRR**	31.7			1.0		
NS K 1431 (high protein)	31.5	35.6		2.0	2.1	
~ ASGROW AG 4403*	31.0	41.4		1.0	1.3	
~ NK BRAND S46-G2**	31.0	35.4		1.8	1.9	
STINE 4702-2**	30.9	35.2		2.3	2.4	
~ GREAT LAKES GL 4909 RR**	30.2			1.8		
~ DYNA-GRO 3468N RR**	29.8	35.1		1.3	1.5	
~ DEKALB CX480cRR**	29.4			1.3		
~ PRAIRIE STREAM FARMS PSF 4102NRR**	29.3			1.0		
~ DELTA KING 4762 RR**	29.1			1.5		
~ GREAT LAKES GL 4309 RR**	29.0	33.5		1.0	1.3	
~ PIONEER VARIETY 9492**	28.8	34.6		1.0	1.3	
~ AGVENTURE SEED AV 6489 N RR**	28.5			1.5		
~ SOUTHERN STATES RT-4495N**	24.8	32.6		1.0	1.1	
~ HORNBECK HBK R4660**	21.0	27.9		1.3	1.5	
GROUP IV AVERAGE	36.5	38.9		1.6	1.8	
LSD (0.10)	6.8	4.6		0.5	0.4	

continued on next page

**TABLE 10. 2001 CALDWELL COUNTY DOUBLE CROP VARIETY TEST<sup>A</sup> (continued)**

VARIETY / BRAND	YIELD (BU/AC) <sup>B</sup>			LODGING		
	2001	00-01	99-01	2001	00-01	99-01
<b>LATE ( GROUP V )</b>						
SOUTHERN STATES 5200-ST5	<b>45.9</b>			1.8		
P HOLLADAY	45.0	<b>44.1</b>		2.8	3.1	
NS K1436 (high protein)	40.2			1.8		
~ UNISOUTH GENETICS USG 510nRR**	40.2	<b>40.7</b>		1.8	2.1	
P K1425**	40.1			2.3		
~ NK BRAND S52-U3**	40.0			2.8		
~ PIONEER VARIETY 95B32**	40.0	<b>40.3</b>		1.8	2.4	
~ CROW'S C5410R**	40.0			2.0		
P ANAND**	39.9	39.4		1.8	2.3	
~ ASGROW AG 5501*	39.8	39.3		1.8	2.1	
~ HORNBECK HBK R5420*	39.4			1.8		
~ CROPLAN GENETICS RC5252**	39.0			1.5		
~ UNISOUTH GENETICS USG 7547RR	38.8	37.6		2.3	2.6	
~ DELTA KING 5465 RR**	38.3	<b>41.3</b>		1.8	2.1	
~ CROW'S C5118R**	38.1			1.8		
~ VIGORO V543NRR**	38.0			1.8		
~ DELTA KING 5366 RR**	38.0			2.8		
P CAVINESS**	37.6	35.4		3.3	3.4	
~ PIONEER VARIETY 95B33**	37.4	39.5		1.8	2.5	
~ HORNBECK HBK R5588**	37.3	32.4		2.8	2.8	
~ CROPLAN GENETICS YRC51**	36.5			2.0		
~ UNISOUTH GENETICS USG 540nRR**	36.3			2.0		
P DELSOY 5500**	35.9	38.8		1.8	2.6	
P HUTCHESON	35.8	37.5		2.3	2.6	
~ EXCEL 8525NRR**	35.7			2.8		
~ SOUTHERN STATES RT-557N**	35.6	33.3		2.5	2.9	
~ DELTA KING 5995**	34.8			2.8		
~ SOUTHERN STATES RT-517N**	34.6	36.4		2.8	3.0	
NS K93-86-14 (small-seeded type)	34.4			3.0		
~ SOUTHERN STATES RT-5401N**	33.6			1.8		
~ ASGROW AG 5001	33.5	37.6		1.8	2.0	
~ DYNA-GRO 3518N RR**	33.5			2.3		
~ DELTA KING 5668 RR**	33.3			2.8		
~ SOUTHERN STATES RT-5001N**	33.1			2.3		
~ LG SEEDS C5151NRR**	32.5			2.5		
~ CROPLAN GENETICS RC5454**	32.5			1.8		
~ GREAT LAKES GL 5309 RR**	31.9			1.5		
~ PIONEER VARIETY 95B53**	31.3	31.6		2.8	3.1	
~ DELTA KING 5762 RR**	30.3			2.8		
~ AGVENTURE SEED AV 6501 N RR**	30.2			2.3		
~ DELTA KING 5661 RR**	30.0			2.8		
~ VIGORO V512NRR**	27.7			2.3		
~ GOLDEN HARVEST H-5137RR**	26.5			2.0		
~ DYNA-GRO 3521N RR**	26.0	34.2		1.8	1.9	
GROUP V AVERAGE	35.9	37.6		2.2	2.6	
LSD (0.10)	5.2	4.3		0.2	0.3	
GRAND MEAN	36.6	38.4		1.8	1.9	

~ Roundup Ready variety.

P Entries with a P prefix are public varieties.

NS Entries with a NS prefix are novel soybean varieties that are emerging from both the public and private sectors. Some of these value-added soybean types will supply relatively small market niches, while others may be of much broader market value. Testing novel soybeans will enable producers to assess whether premiums for a given trait offset possible yield lag/drag.

\* Resistant to the soybean cyst nematode (Race 3).

\*\* Resistant to the soybean cyst nematode (Race 3 and Race 14).

<sup>A</sup> 1999 data were not available for maturity groups 4 and 5 due to excessive variability caused by the 1999 drought.

<sup>B</sup> Within a maturity group, shaded yields are not significantly different (0.10 level) from the highest yielding cultivar (bold data) of that maturity group and year column.

**TABLE 11. 2001 KENTUCKY SOYBEAN PERFORMANCE TEST PROTEIN AND OIL COMPOSITION<sup>A</sup>**

VARIETY/BRAND	PROTEIN%	OIL%	VARIETY/BRAND	PROTEIN%	OIL%
~ AGVENTURE SEED AV 6441 N RR**	35.9	18.2	~ GOLDEN HARVEST H-3983RR	35.5	18.2
~ AGVENTURE SEED AV 6489 N RR**	36.5	17.6	~ GOLDEN HARVEST H-4147RR**	38.1	16.6
~ AGVENTURE SEED AV 6501 N RR**	38.3	17.1	~ GOLDEN HARVEST H-4459STS**	37.3	17.5
P ANAND**	35.2	16.0	~ GOLDEN HARVEST H-4534RR**	34.2	19.2
ASGROW A 4324*	35.7	17.3	~ GOLDEN HARVEST H-4850RR**	35.7	17.9
~ ASGROW AG 3902*	38.1	17.8	~ GOLDEN HARVEST H-5137RR**	38.9	16.1
~ ASGROW AG 3903*	36.3	17.8	~ GREAT LAKES GL 4109 RR*	34.9	18.1
~ ASGROW AG 4301*	35.8	17.7	~ GREAT LAKES GL 4309 RR**	36.8	18.4
~ ASGROW AG 4403*	34.5	18.7	~ GREAT LAKES GL 4800 RR	35.1	18.0
~ ASGROW AG 4702**	37.5	18.1	~ GREAT LAKES GL 4909 RR**	39.7	14.7
~ ASGROW AG 4902**	39.3	15.4	~ GREAT LAKES GL 5309 RR**	35.5	17.7
~ ASGROW AG 5001	35.2	17.7	P HOLLADAY	32.1	18.1
~ ASGROW AG 5501*	33.6	17.9	HORNBECK HBK 4891	35.5	18.2
~ BIO GENE BG 4401NRR**	34.6	19.3	~ HORNBECK HBK R4660**	37.9	17.4
~ CAVERNDALE CF 392nRR**	37.8	18.0	~ HORNBECK HBK R4820*	35.9	18.8
~ CAVERNDALE CF 444nRR**	34.0	18.9	~ HORNBECK HBK R4920	36.0	18.1
CAVERNDALE CF 461	36.2	17.8	~ HORNBECK HBK R5420*	36.3	18.0
~ CAVERNDALE CF 489nRR**	35.5	17.6	~ HORNBECK HBK R5588**	37.6	16.4
CAVERNDALE CF 492	40.0	14.7	P HUTCHESON	34.7	18.0
P CAVINESS**	34.3	18.0	NS IA 2025 (triple null)	40.7	18.3
~ CROPLAN GENETICS RC3838**	38.0	17.1	NS IA 3001 (high protein)	44.0	17.2
~ CROPLAN GENETICS RC3866**	35.9	18.7	NS IA 3011 (tofu type)	40.3	18.1
~ CROPLAN GENETICS RC4444**	34.0	19.7	NS IA 4001 (natto type)	34.4	16.6
~ CROPLAN GENETICS RC4848**	34.4	17.8	P INA**	37.3	15.9
~ CROPLAN GENETICS RC4995	34.9	17.6	NS K 1431 (high protein)	45.9	13.1
~ CROPLAN GENETICS RC5252**	35.0	17.0	P K1425**	30.8	16.1
~ CROPLAN GENETICS RC5454**	34.5	17.3	NS K1433 (high protein)	41.0	17.1
~ CROPLAN GENETICS RT4241	34.2	17.5	NS K1436 (high protein)	37.9	18.1
~ CROPLAN GENETICS YRC49*	36.3	16.2	NS K93-81-37 (small-seeded food type)	39.6	14.1
~ CROPLAN GENETICS YRC51**	37.7	15.8	NS K93-86-14 (small-seeded type)	37.1	18.0
~ CROW'S C4417R**	34.5	19.6	NS K93-9-56 (large-seeded food type)	36.3	16.9
~ CROW'S C48009RN**	36.0	17.4	NS L96-5104 (natto type)	38.8	17.7
~ CROW'S C5118R**	34.4	17.1	~ LG SEEDS C4350NRR*	36.9	16.3
~ CROW'S C5410R**	35.1	16.6	~ LG SEEDS C5151NRR**	37.1	16.1
NS DAIRYLAND DST4203 (large-seed food type)	37.1	19.4	~ LG SEEDS C9447RR	35.6	18.1
~ DEKALB CX480cRR**	37.3	16.6	LG SEEDS C9474	33.7	18.8
~ DEKALB DKB38-52**	35.5	18.8	~ LG SEEDS C9480RR	35.2	18.0
~ DEKALB DKB40-51*	34.2	18.3	P MANOKIN*	35.9	17.3
~ DEKALB DKB44-51*	32.9	18.7	NS NE 3396 (high protein, high yield)	41.4	16.7
~ DEKALB DKB45-51*	37.1	18.1	NK BRAND S38-E9	35.9	18.6
P DELSOY 5500**	35.7	17.7	NK BRAND S38-T8**	35.8	18.9
~ DELTA AND PINE LAND DP4344RR	36.6	17.1	~ NK BRAND S39-Q4	38.2	17.7
~ DELTA AND PINE LAND DP4690RR	33.7	18.4	NK BRAND S42-H1**	36.4	18.1
DELTA AND PINE LAND DP4748S	33.8	17.9	~ NK BRAND S46-G2**	35.0	17.1
~ DELTA KING 3961 RR**	35.7	17.5	~ NK BRAND S52-U3**	33.8	17.8
~ DELTA KING 3964 RR**	38.4	17.8	~ PIONEER VARIETY 93B67**	37.9	17.1
DELTA KING 4680	36.0	17.7	~ PIONEER VARIETY 93B85**	36.5	18.2
DELTA KING 4711	33.7	18.5	PIONEER VARIETY 93B87	38.2	18.3
~ DELTA KING 4762 RR**	37.9	17.7	~ PIONEER VARIETY 9492**	35.8	18.1
~ DELTA KING 4868 RR	35.7	17.8	~ PIONEER VARIETY 94B23*	37.4	17.9
~ DELTA KING 4965 RR**	36.8	18.1	PIONEER VARIETY 94B53**	39.4	16.3
~ DELTA KING 5366 RR**	34.3	17.4	~ PIONEER VARIETY 94B54**	37.0	18.6
~ DELTA KING 5465 RR**	35.2	18.0	~ PIONEER VARIETY 94B73	37.0	19.0
~ DELTA KING 5661 RR**	35.3	15.9	~ PIONEER VARIETY 95B32**	34.5	17.7
~ DELTA KING 5668 RR**	34.7	16.7	PIONEER VARIETY 95B33**	38.7	17.0
~ DELTA KING 5762 RR**	34.0	15.7	~ PIONEER VARIETY 95B53**	38.6	15.0
DELTA KING 5995**	33.8	16.0	NS PIONEER VARIETY P9305 (tofu type)	40.3	18.1
~ DELTA KING XTJ 124 RR**	33.3	18.8	~ PRAIRIE STREAM FARMS PSF 3501RR	36.9	18.5
~ DELTA KING XTJ 174 RR**	38.8	16.4	~ PRAIRIE STREAM FARMS PSF 3598RR	36.8	17.6
~ DELTA KING XTJ 183 RR	37.4	18.0	~ PRAIRIE STREAM FARMS PSF 3999NRR**	37.0	17.6
~ DELTA KING XTJ 184 RR**	37.1	17.3	~ PRAIRIE STREAM FARMS PSF 4102NRR**	36.0	17.5
~ DELTA KING XTJ 193 RR**	34.7	19.2	P REND**	42.2	15.3
~ DYNA-GRO 3468N RR**	34.7	18.2	NS RUPP SEED EXP. 2702 (tofu type)	38.4	18.6
~ DYNA-GRO 3484N RR**	35.3	18.1	NS RUPP SEED EXP. 2703 (tofu type)	41.4	16.7
~ DYNA-GRO 3518N RR**	36.2	15.9	~ SEED CONSULTANTS SC 9442 RR**	34.1	19.2
~ DYNA-GRO 3521N RR**	34.6	16.4	SOUTHERN CROSS-AARON 4.5N-ST5**	38.0	16.8
~ EXCEL 8494NRR*	36.1	18.0	~ SOUTHERN CROSS-ANDREW 3.9N-RR**	38.7	17.0
~ EXCEL 8525NRR**	35.7	16.7	~ SOUTHERN CROSS-JEREMIAH 4.3N-RR*	38.2	17.3
NS FG 1 (tofu type)	40.5	17.6	~ SOUTHERN CROSS-SOLOMON 3.8-RR	36.4	17.3
~ GARST SEED D399 RR/N**	38.0	17.3	~ SOUTHERN CROSS-TITUS 4.8N-RR**	37.1	17.6
~ GARST SEED D484 RR/N**	37.2	17.8	SOUTHERN STATES 5200-ST5	34.9	16.8
GATEWAY 493*	36.0	17.9	~ SOUTHERN STATES RT-5001N**	38.1	16.0
~ GATEWAY 4R472	36.0	18.1	~ SOUTHERN STATES RT-5401N**	34.2	17.5
~ GATEWAY 4R483**	37.1	16.8	SOUTHERN STATES 381-ST5	37.4	17.5

*continued on next page*

**TABLE 11. 2001 KENTUCKY SOYBEAN PERFORMANCE TEST PROTEIN AND OIL COMPOSITION<sup>A</sup> (continued)**

VARIETY/BRAND	PROTEIN%	OIL%	VARIETY/BRAND	PROTEIN%	OIL%
SOUTHERN STATES 439	36.7	17.6	~ STINE 4700-4	33.1	18.3
SOUTHERN STATES 4483N-ST5**	36.6	17.9	~ STINE 4702-2**	34.5	17.5
~ SOUTHERN STATES RT-3799N**	35.9	19.1	P STRESSLAND	37.1	18.7
~ SOUTHERN STATES RT-3975	39.1	17.2	P TROLL	33.5	19.6
~ SOUTHERN STATES RT-4098	37.2	17.8	NS U95-3813 (natto type)	35.7	19.7
~ SOUTHERN STATES RT-446N*	38.1	17.7	NS U97-207427 (high protein, high yield)	39.6	17.6
~ SOUTHERN STATES RT-4495N**	36.1	16.8	~ UNISOUTH GENETICS USG 510nRR**	34.6	16.9
~ SOUTHERN STATES RT-4980	35.4	18.5	~ UNISOUTH GENETICS USG 540nRR**	32.9	17.9
~ SOUTHERN STATES RT-517N**	36.4	17.4	UNISOUTH GENETICS USG 7499	37.3	16.6
~ SOUTHERN STATES RT-557N**	36.6	17.5	~ UNISOUTH GENETICS USG 7547RR	36.2	16.0
~ STINE 3632-4**	37.2	17.8	~ VIGORO V422NRR*	34.5	17.4
~ STINE 3763-4	36.9	17.2	~ VIGORO V462NRS**	34.9	19.5
~ STINE 3800-4	34.2	18.4	~ VIGORO V472NRR**	36.4	18.7
~ STINE 3808-4	38.7	18.4	~ VIGORO V512NRR**	39.0	16.2
STINE 3870-0	35.4	18.9	~ VIGORO V543NRR**	35.2	17.5
~ STINE 4202-4**	35.7	18.5			

<sup>A</sup> Variety protein and oil concentration was determined at the Logan Co. location and expressed on the basis of 13% moisture. The mean protein concentration was 36.4%, and the mean oil concentration was 17.6%.

~ Roundup Ready variety

\* Resistant to the soybean cyst nematode (Race 3)

\*\* Resistant to the soybean cyst nematode (Race 3 and Race 14)

P Entries with a P prefix are public varieties.

NS Entries with a NS prefix are novel soybean varieties.

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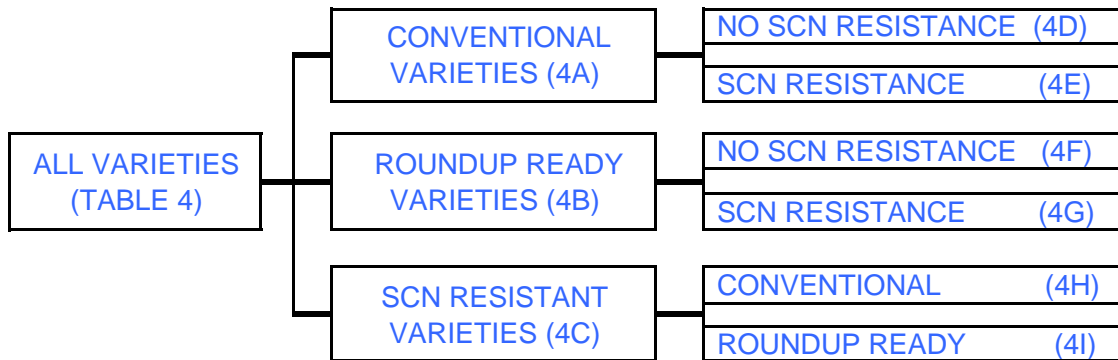
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### Questions or comments?

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**SELECTION KEY TO CREATE SUBSETS OF TABLE 4  
(2001 SUMMARY OF THE CONVENTIONAL TEST TABLES 5-10)**



Selected varieties found by using this key should also be found in the summary table containing all varieties (table 4) to observe potential yield loss by the chosen key restraints. The selected variety can be easily located in table 4 by finding it's 2001 yield in the appropriate maturity group.

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PAGE 1**

This page and the following pages are not part of the printed PR-451 publication. The selection key and tables "4A-4I" are a web site feature which provides alternate views of the Summary Table 4.

**TABLE 4. 2001 SUMMARY: VARIETY TEST TABLES 5-10**

**BACK TO  
SELECTION  
KEY**

VARIETY / BRAND	YIELD (BU/AC) <sup>A</sup>			LODGING		
	2001	00-01	99-01	2001	00-01	99-01
<b>EARLY ( GROUP III )</b>						
PIONEER VARIETY 93B87	59.5			2.3		
NK BRAND S38-E9	58.7			2.0		
~ DELTA KING XTJ 193 RR**	58.4			1.6		
~ STINE 3800-4	58.4	59.6		1.7	1.6	
~ NK BRAND S39-Q4	58.1			2.0		
~ GOLDEN HARVEST H-3983RR	58.1	59.2		1.8	1.7	
STINE 3870-0	56.4	61.0		2.1	2.0	
~ DEKALB DKB38-52**	55.8			1.7		
~ CROPLAN GENETICS RC3838**	55.5			1.8		
~ SOUTHERN CROSS-SOLOMON 3.8-RR	55.4	57.2		2.3	1.9	
~ ASGROW AG 3903*	55.3			2.1		
~ STINE 3632-4**	54.6			1.6		
~ DELTA KING 3964 RR**	54.2			2.5		
~ ASGROW AG 3902*	53.5			1.9		
NK BRAND S38-T8**	53.5	54.4		2.1	1.8	
~ PIONEER VARIETY 93B67**	53.2			1.9		
~ GARST SEED D399 RR/N**	52.6			2.2		
~ SOUTHERN CROSS-ANDREW 3.9N-RR**	52.4			1.9		
~ DELTA KING 3961 RR**	52.1			1.8		
~ PRAIRIE STREAM FARMS PSF 3501RR	52.0			2.4		
~ CROPLAN GENETICS RC3866**	51.9			1.8		
~ SOUTHERN STATES RT-3799N**	51.9	54.9		1.8	1.6	
~ DELTA KING XTJ 183 RR	51.8			1.9		
NS FG 1 (tofu type)	51.5	51.4		2.5	1.9	
~ SOUTHERN STATES RT-3975	51.2	52.2	48.4	2.2	1.9	1.9
~ CAVERNDALE CF 392nRR**	51.1			2.0		
~ PIONEER VARIETY 93B85**	50.8			2.0		
NS PIONEER VARIETY P9305 (tofu type)	50.1	50.8		1.8	1.6	
SOUTHERN STATES 381-STS	49.4	52.4	49.2	2.7	2.3	2.3
~ STINE 3763-4	48.6	54.5		1.8	1.6	
NS NE 3396 (high protein, high yield)	48.2	51.6		2.0	1.9	
~ PRAIRIE STREAM FARMS PSF 3999NRR**	48.2			2.1		
NS IA 3001 (high protein)	46.8			2.0		
NS IA 3011 (tofu type)	46.6	47.0		1.7	1.6	
~ PRAIRIE STREAM FARMS PSF 3598RR	46.0			2.2		
NS U97-207427 (high protein, high yield)	45.6	49.6		2.1	1.9	
NS RUPP SEED EXP. 2702 (tofu type)	44.1			3.3		
NS RUPP SEED EXP. 2703 (tofu type)	42.6			2.8		
NS IA 2025 (triple null)	42.2	45.1		1.6	1.4	
NS U95-3813 (natto type)	41.5	44.0		1.3	1.3	
GROUP III AVERAGE	51.7	52.8	48.8	2.0	1.8	2.1
LSD (0.10)	2.3	2.2	1.9	0.2	0.1	0.2
<b>MID-SEASON ( GROUP IV )</b>						
~ DELTA KING XTJ 174 RR**	58.2			2.4		
~ HORNBECK HBK R4820*	57.8			2.0		
LG SEEDS C9474	57.5	59.8	56.0	3.0	2.5	2.5
~ STINE 4202-4**	56.9			1.9		
~ CROW'S C4417R**	56.8			2.1		
NS DAIRYLAND DST4203 (large-seed food type)	56.6			2.2		
~ DELTA KING 4868 RR	56.5	57.5	54.4	2.3	1.9	2.0
~ DEKALB DKB44-51*	56.4	55.3		2.0	1.6	
~ CROPLAN GENETICS RC4444**	56.2			2.1		
DELTA AND PINE LAND DP4748S	56.1			3.2		
DELTA KING 4680	55.8	58.7		2.8	2.3	
DELTA KING 4711	55.8	58.4		2.9	2.4	
~ SEED CONSULTANTS SC 9442 RR**	55.7			1.9		

**TABLE 4. 2001 SUMMARY: VARIETY TEST TABLES 5-10**

**BACK TO  
SELECTION  
KEY**

VARIETY / BRAND	YIELD (BU/AC) <sup>A</sup>			LODGING		
	2001	00-01	99-01	2001	00-01	99-01
~ DELTA AND PINE LAND DP4690RR	55.6	58.2		2.8	2.3	
~ BIO GENE BG 4401NRR**	55.5			2.0		
~ PIONEER VARIETY 94B73	55.4			2.6		
~ DELTA KING XTJ 124 RR**	54.8			2.0		
~ CAVERNDALE CF 444nRR**	54.7			2.1		
HORNBECK HBK 4891	54.6	55.4	52.9	2.6	2.1	2.2
~ STINE 4700-4	54.6			1.9		
~ GATEWAY 4R483**	54.4			2.6		
CAVERNDALE CF 492	54.1	57.5	53.8	2.5	2.1	2.2
ASGROW A 4324*	53.7	56.5		2.7	2.2	
~ ASGROW AG 4403*	53.7	56.5		2.1	1.8	
~ GREAT LAKES GL 4800 RR	53.7	55.3		2.7	2.2	
~ AGVENTURE SEED AV 6441 N RR**	53.4			2.1		
~ DELTA KING XTJ 184 RR**	53.4			2.6		
~ GOLDEN HARVEST H-4534RR**	53.4			1.8		
~ PIONEER VARIETY 9492**	53.1	54.2	51.4	2.1	1.9	1.9
~ PIONEER VARIETY 94B23*	53.1			2.6		
~ GATEWAY 4R472	53.0	56.4		2.6	2.3	
~ ASGROW AG 4301*	52.9	54.8	52.3	2.3	1.9	2.0
~ ASGROW AG 4902**	52.9	54.5	51.7	2.2	2.0	2.0
~ LG SEEDS C9480RR	52.9	55.2	51.5	2.9	2.4	2.4
~ CROPLAN GENETICS RC4848**	52.7	56.1	53.1	2.5	2.1	2.2
~ PIONEER VARIETY 94B54**	52.7			2.4		
~ GOLDEN HARVEST H-4850RR**	52.6			2.4		
~ SOUTHERN STATES RT-4980	52.6	53.8		2.8	2.2	
~ CROPLAN GENETICS RC4995	52.5			3.0		
~ GARST SEED D484 RR/N**	52.5			2.3		
P STRESSLAND	52.2	55.1	52.4	3.0	2.4	2.4
~ HORNBECK HBK R4920	52.1	54.2		3.1	2.6	
SOUTHERN STATES 4483N-ST5**	52.1	55.3		2.4	2.0	
P TROLL	52.0	55.6	52.4	1.3	1.3	1.3
CAVERNDALE CF 461	51.8	53.4	50.2	3.0	2.4	
GOLDEN HARVEST H-4459ST5**	51.8	56.7	55.6	2.8	2.3	2.3
~ SOUTHERN CROSS-TITUS 4.8N-RR**	51.8	54.7		2.5	2.1	
~ ASGROW AG 4702**	51.7	53.8	51.1	2.1	1.8	1.8
~ VIGORO V472NRR**	51.6			2.4		
~ DYNA-GRO 3484N RR**	50.9			2.0		
~ CROW'S C48009RN**	50.8			2.5		
~ GREAT LAKES GL 4109 RR*	50.8			2.2		
P MANOKIN*	50.8	53.7	49.6	3.5	3.0	3.0
SOUTHERN CROSS-AARON 4.5N-ST5**	50.7	56.5		2.9	2.4	
GATEWAY 493*	50.4			3.1		
~ LG SEEDS C9447RR	50.4			3.0		
~ SOUTHERN STATES RT-4098	50.4	54.7		2.4	2.0	
STINE 4702-2**	50.4	55.8	52.5	2.8	2.3	2.3
~ DEKALB DKB45-51*	50.2			2.5		
~ CAVERNDALE CF 489nRR**	50.1			2.4		
~ VIGORO V462NRS**	50.1			2.9		
~ SOUTHERN STATES RT-446N*	50.0	52.4	49.7	2.2	2.0	2.0
~ DEKALB CX480cRR**	49.9			2.7		
PIONEER VARIETY 94B53**	49.9	56.2	52.9	2.8	2.3	2.2
~ AGVENTURE SEED AV 6489 N RR**	49.8			2.6		
~ GREAT LAKES GL 4309 RR**	49.7	52.6		1.3	1.4	
~ SOUTHERN CROSS-JEREMIAH 4.3N-RR*	49.6			2.4		
~ DELTA KING 4965 RR**	49.4			2.5		
NK BRAND S42-H1**	48.9	53.2		2.4	2.0	
~ STINE 3808-4	48.9			2.0		
~ DEKALB DKB40-51*	48.8			1.8		
SOUTHERN STATES 439	48.8	56.4	53.2	2.7	2.2	2.1
~ LG SEEDS C4350NRR*	48.3	51.7		2.5	1.9	
~ CROPLAN GENETICS RT4241	47.2			3.0		

**TABLE 4. 2001 SUMMARY: VARIETY TEST TABLES 5-10**

**BACK TO  
SELECTION  
KEY**

VARIETY / BRAND	YIELD (BU/AC) <sup>A</sup>			LODGING		
	2001	00-01	99-01	2001	00-01	99-01
UNISOUTH GENETICS USG 7499	46.8	51.6	48.2	1.9	1.9	1.9
~ CROPLAN GENETICS YRC49*	46.6			3.7		
~ NK BRAND S46-G2**	46.5	51.0		2.3	2.0	
~ GOLDEN HARVEST H-4147RR**	46.4			2.2		
~ DELTA KING 4762 RR**	45.6			2.3		
P INA**	45.4	49.1	46.4	3.7	3.0	3.0
NS K1433 (high protein)	45.4			1.8		
~ PRAIRIE STREAM FARMS PSF 4102NRR**	44.8			2.2		
NS K93-9-56 (large-seeded food type)	44.7			3.2		
~ VIGORO V422NRR*	44.6			2.2		
P REND**	44.3	51.1	49.0	3.3	2.7	2.7
~ DELTA AND PINE LAND DP4344RR	44.2	48.2	45.5	3.1	2.6	2.5
~ DYNA-GRO 3468N RR**	42.5	51.6	49.5	2.0	1.8	1.8
~ SOUTHERN STATES RT-4495N**	42.5	48.4	46.6	1.7	1.4	1.5
NS L96-5104 (natto type)	42.0	47.8		2.5	2.2	
~ EXCEL 8494NRR*	41.9			2.3		
~ GREAT LAKES GL 4909 RR**	41.8			3.1		
NS IA 4001 (natto type)	41.4	45.1		4.1	3.4	
~ HORNBECK HBK R4660**	41.0	47.2	45.0	2.3	2.0	2.0
NS K 1431 (high protein)	40.3	44.4		3.4	2.9	
NS K93-81-37 (small-seeded food type)	32.2			3.4		
GROUP IV AVERAGE	50.6	53.9	51.0	2.5	2.2	2.2
LSD (0.10)	2.4	2.1	1.8	0.2	0.2	0.2

TABLE 4. 2001 SUMMARY: VARIETY TEST TABLES 5-10

BACK TO  
SELECTION  
KEY

VARIETY / BRAND	YIELD (BU/AC) <sup>A</sup>			LODGING		
	2001	00-01	99-01	2001	00-01	99-01
<b>LATE ( GROUP V )</b>						
P HOLLADAY	55.4	54.8	50.3	3.5	2.8	2.7
~ NK BRAND S52-U3**	53.0			3.3		
NS K1436 (high protein)	52.7			2.8		
P DELSOY 5500**	51.7	52.0		2.5	2.5	
PIONEER VARIETY 95B33**	51.4	54.0		2.8	2.4	
SOUTHERN STATES 5200-ST5	51.3			2.5		
~ PIONEER VARIETY 95B32**	51.2	52.6	48.0	2.5	2.2	2.1
P HUTCHESON	51.1	52.7	49.0	3.1	2.7	2.6
~ ASGROW AG 5501*	50.9	52.5		2.5	2.3	
~ UNISOUTH GENETICS USG 510nRR**	50.8	50.9		2.5	2.2	
~ CROPLAN GENETICS RC5252**	50.7			2.3		
~ VIGORO V543NRR**	50.3			2.5		
~ DELTA KING 5465 RR**	50.1	52.3		2.5	2.2	
~ CROW'S C5410R**	50.0			2.8		
~ ASGROW AG 5001	49.6	53.2	49.3	2.1	2.0	2.0
P CAVINESS**	49.6	48.7	45.6	3.9	3.6	3.3
~ CROW'S C5118R**	49.6			2.4		
~ UNISOUTH GENETICS USG 540nRR**	49.0			2.7		
~ GREAT LAKES GL 5309 RR**	48.8			2.3		
~ HORNBECK HBK R5420*	48.7			2.5		
DELTA KING 5995**	48.6			3.5		
~ DELTA KING 5668 RR**	48.4			3.3		
~ EXCEL 8525NRR**	47.3			3.4		
P ANAND**	47.1	48.7	44.8	2.3	2.0	2.0
~ CROPLAN GENETICS RC5454**	47.0			2.5		
~ DYNA-GRO 3518N RR**	46.4			2.8		
~ DELTA KING 5366 RR**	46.2			3.5		
~ CROPLAN GENETICS YRC51**	45.7			2.8		
~ SOUTHERN STATES RT-5401N**	45.5			2.5		
~ UNISOUTH GENETICS USG 7547RR	45.3	46.7	43.0	3.0	2.7	2.6
~ DYNA-GRO 3521N RR**	45.3	48.5		2.6	2.3	
~ SOUTHERN STATES RT-557N**	45.2	45.6	42.1	3.3	3.1	2.9
P K1425**	45.2			2.8		
~ HORNBECK HBK R5588**	45.0	44.8	41.4	3.6	3.3	3.0
~ SOUTHERN STATES RT-517N**	44.1	49.2	45.3	3.2	2.7	2.6
~ SOUTHERN STATES RT-5001N**	43.8			2.9		
~ LG SEEDS C5151NRR**	43.6			3.2		
~ DELTA KING 5661 RR**	43.5			3.5		
~ GOLDEN HARVEST H-5137RR**	42.8			2.5		
~ AGVENTURE SEED AV 6501 N RR**	42.5			2.9		
NS K93-86-14 (small-seeded type)	42.4			3.8		
~ DELTA KING 5762 RR**	42.0			3.5		
~ PIONEER VARIETY 95B53**	41.9	45.5		3.1	2.9	
~ VIGORO V512NRR**	41.6			3.1		
GROUP V AVERAGE	47.6	50.2	45.9	2.9	2.6	2.6
LSD (0.10)	2.3	2.1	1.9	0.2	0.2	0.2
GRAND MEAN	50.1	52.9	49.6	2.5	2.2	2.2

~ Roundup Ready variety

P Entries with a P prefix are public varieties.

NS Entries with a NS prefix are novel soybean varieties that are emerging from both the public and private sectors. Some of these value-added soybean types will supply relatively small market niches, while others may be of much broader market value.

Testing novel soybeans will enable producers to assess whether premiums for a given trait offset possible yield lag/drag.

\* Resistant to the soybean cyst nematode (Race 3)

\*\* Resistant to the soybean cyst nematode (Race 3 and Race 14)

<sup>A</sup> Within a maturity group, shaded yields are not significantly different (0.10 level) from the highest yielding cultivar (bold data) of that maturity group and year column.

**TABLE 4A. Conventional varieties - subset of the 2001 Summary Table 4**

**BACK TO  
SELECTION  
KEY**

VARIETY / BRAND	YIELD (BU/AC) <sup>A</sup>			LODGING		
	2001	00-01	99-01	2001	00-01	99-01
<b>EARLY ( GROUP III )</b>						
PIONEER VARIETY 93B87	59.5			2.3		
NK BRAND S38-E9	58.7			2.0		
STINE 3870-0	56.4	61.0		2.1	2.0	
NK BRAND S38-T8**	53.5	54.4		2.1	1.8	
NS FG 1 (tofu type)	51.5	51.4		2.5	1.9	
NS PIONEER VARIETY P9305 (tofu type)	50.1	50.8		1.8	1.6	
SOUTHERN STATES 381-ST5	49.4	52.4	49.2	2.7	2.3	2.3
NS NE 3396 (high protein, high yield)	48.2	51.6		2.0	1.9	
NS IA 3001 (high protein)	46.8			2.0		
NS IA 3011 (tofu type)	46.6	47.0		1.7	1.6	
NS U97-207427 (high protein, high yield)	45.6	49.6		2.1	1.9	
NS RUPP SEED EXP. 2702 (tofu type)	44.1			3.3		
NS RUPP SEED EXP. 2703 (tofu type)	42.6			2.8		
NS IA 2025 (triple null)	42.2	45.1		1.6	1.4	
NS U95-3813 (natto type)	41.5	44.0		1.3	1.3	
GROUP III AVERAGE	49.1	50.7		2.2	1.8	
LSD (0.10)	2.3	2.2		0.2	0.1	
<b>MID-SEASON ( GROUP IV )</b>						
LG SEEDS C9474	57.5	59.8	56.0	3.0	2.5	2.5
NS DAIRYLAND DST4203 (large-seed food type)	56.6			2.2		
DELTA AND PINE LAND DP4748S	56.1			3.2		
DELTA KING 4680	55.8	58.7		2.8	2.3	
DELTA KING 4711	55.8	58.4		2.9	2.4	
HORNBECK HBK 4891	54.6	55.4	52.9	2.6	2.1	2.2
CAVERNDAL CF 492	54.1	57.5	53.8	2.5	2.1	2.2
ASGROW A 4324*	53.7	56.5		2.7	2.2	
P STRESSLAND	52.2	55.1	52.4	3.0	2.4	2.4
SOUTHERN STATES 4483N-ST5**	52.1	55.3		2.4	2.0	
P TROLL	52.0	55.6	52.4	1.3	1.3	1.3
CAVERNDAL CF 461	51.8	53.4	50.2	3.0	2.4	
GOLDEN HARVEST H-4459ST5**	51.8	56.7	55.6	2.8	2.3	2.3
P MANOKIN*	50.8	53.7	49.6	3.5	3.0	3.0
SOUTHERN CROSS-AARON 4.5N-ST5**	50.7	56.5		2.9	2.4	
GATEWAY 493*	50.4			3.1		
STINE 4702-2**	50.4	55.8	52.5	2.8	2.3	2.3
PIONEER VARIETY 94B53**	49.9	56.2	52.9	2.8	2.3	2.2
NK BRAND S42-H1**	48.9	53.2		2.4	2.0	
SOUTHERN STATES 439	48.8	56.4	53.2	2.7	2.2	2.1
UNISOUTH GENETICS USG 7499	46.8	51.6	48.2	1.9	1.9	1.9
P INA**	45.4	49.1	46.4	3.7	3.0	3.0
NS K1433 (high protein)	45.4			1.8		
NS K93-9-56 (large-seeded food type)	44.7			3.2		
P REND**	44.3	51.1	49.0	3.3	2.7	2.7
NS L96-5104 (natto type)	42.0	47.8		2.5	2.2	
NS IA 4001 (natto type)	41.4	45.1		4.1	3.4	
NS K 1431 (high protein)	40.3	44.4		3.4	2.9	
NS K93-81-37 (small-seeded food type)	32.2			3.4		
GROUP IV AVERAGE	49.5	54.1	51.8	2.8	2.4	2.3
LSD (0.10)	2.4	2.1	1.8	0.2	0.2	0.2

**TABLE 4A. Conventional varieties - subset of the 2001 Summary Table 4**

[BACK TO SELECTION KEY](#)

VARIETY / BRAND	YIELD (BU/AC) <sup>A</sup>			LODGING		
	2001	00-01	99-01	2001	00-01	99-01
<b>LATE ( GROUP V )</b>						
P HOLLADAY	55.4	54.8	50.3	3.5	2.8	2.7
NS K1436 (high protein)	52.7			2.8		
P DELSOY 5500**	51.7	52.0		2.5	2.5	
PIONEER VARIETY 95B33**	51.4	54.0		2.8	2.4	
SOUTHERN STATES 5200-ST5	51.3			2.5		
P HUTCHESON	51.1	52.7	49.0	3.1	2.7	2.6
P CAVINESS**	49.6	48.7	45.6	3.9	3.6	3.3
DELTA KING 5995**	48.6			3.5		
P ANAND**	47.1	48.7	44.8	2.3	2.0	2.0
P K1425**	45.2			2.8		
NS K93-86-14 (small-seeded type)	42.4			3.8		
GROUP V AVERAGE	49.7	51.8	47.4	3.0	2.7	2.7
LSD (0.10)	2.3	2.1	1.9	0.2	0.2	0.2
GRAND MEAN	49.4	52.9	50.7	2.7	2.3	2.3

P Entries with a P prefix are public varieties.

NS Entries with a NS prefix are novel soybean varieties that are emerging from both the public and private sectors. Some of these value-added soybean types will supply relatively small market niches, while others may be of much broader market value.

Testing novel soybeans will enable producers to assess whether premiums for a given trait offset possible yield lag/drag.

\* Resistant to the soybean cyst nematode (Race 3)

\*\* Resistant to the soybean cyst nematode (Race 3 and Race 14)

<sup>A</sup> Within a maturity group, shaded yields are not significantly different (0.10 level) from the highest yielding cultivar (bold data) of that maturity group and year column.



**TABLE 4B. Roundup Ready varieties - subset of the 2001 Summary Table 4**

**BACK TO  
SELECTION  
KEY**

VARIETY / BRAND	YIELD (BU/AC) <sup>A</sup>			LODGING		
	2001	00-01	99-01	2001	00-01	99-01
<b>EARLY ( GROUP III )</b>						
~ DELTA KING XTJ 193 RR**	58.4			1.6		
~ STINE 3800-4	58.4	59.6		1.7	1.6	
~ NK BRAND S39-Q4	58.1			2.0		
~ GOLDEN HARVEST H-3983RR	58.1	59.2		1.8	1.7	
~ DEKALB DKB38-52**	55.8			1.7		
~ CROPLAN GENETICS RC3838**	55.5			1.8		
~ SOUTHERN CROSS-SOLOMON 3.8-RR	55.4	57.2		2.3	1.9	
~ ASGROW AG 3903*	55.3			2.1		
~ STINE 3632-4**	54.6			1.6		
~ DELTA KING 3964 RR**	54.2			2.5		
~ ASGROW AG 3902*	53.5			1.9		
~ PIONEER VARIETY 93B67**	53.2			1.9		
~ GARST SEED D399 RR/N**	52.6			2.2		
~ SOUTHERN CROSS-ANDREW 3.9N-RR**	52.4			1.9		
~ DELTA KING 3961 RR**	52.1			1.8		
~ PRAIRIE STREAM FARMS PSF 3501RR	52.0			2.4		
~ CROPLAN GENETICS RC3866**	51.9			1.8		
~ SOUTHERN STATES RT-3799N**	51.9	54.9		1.8	1.6	
~ DELTA KING XTJ 183 RR	51.8			1.9		
~ SOUTHERN STATES RT-3975	51.2	52.2	48.4	2.2	1.9	1.9
~ CAVERNDAL CF 392nRR**	51.1			2.0		
~ PIONEER VARIETY 93B85**	50.8			2.0		
~ STINE 3763-4	48.6	54.5		1.8	1.6	
~ PRAIRIE STREAM FARMS PSF 3999NRR**	48.2			2.1		
~ PRAIRIE STREAM FARMS PSF 3598RR	46.0			2.2		
GROUP III AVERAGE	53.2	56.3	48.4	2.0	1.7	1.9
LSD (0.10)	2.3	2.2		0.2	0.1	
<b>MID-SEASON ( GROUP IV )</b>						
~ DELTA KING XTJ 174 RR**	58.2			2.4		
~ HORNBECK HBK R4820*	57.8			2.0		
~ STINE 4202-4**	56.9			1.9		
~ CROW'S C4417R**	56.8			2.1		
~ DELTA KING 4868 RR	56.5	57.5	54.4	2.3	1.9	2.0
~ DEKALB DKB44-51*	56.4	55.3		2.0	1.6	
~ CROPLAN GENETICS RC4444**	56.2			2.1		
~ SEED CONSULTANTS SC 9442 RR**	55.7			1.9		
~ DELTA AND PINE LAND DP4690RR	55.6	58.2		2.8	2.3	
~ BIO GENE BG 4401NRR**	55.5			2.0		
~ PIONEER VARIETY 94B73	55.4			2.6		
~ DELTA KING XTJ 124 RR**	54.8			2.0		
~ CAVERNDAL CF 444nRR**	54.7			2.1		
~ STINE 4700-4	54.6			1.9		
~ GATEWAY 4R483**	54.4			2.6		
~ ASGROW AG 4403*	53.7	56.5		2.1	1.8	
~ GREAT LAKES GL 4800 RR	53.7	55.3		2.7	2.2	
~ AGVENTURE SEED AV 6441 N RR**	53.4			2.1		
~ DELTA KING XTJ 184 RR**	53.4			2.6		
~ GOLDEN HARVEST H-4534RR**	53.4			1.8		

**TABLE 4B. Roundup Ready varieties - subset of the 2001 Summary Table 4**

**BACK TO  
SELECTION  
KEY**

VARIETY / BRAND	YIELD (BU/AC) <sup>A</sup>			LODGING		
	2001	00-01	99-01	2001	00-01	99-01
~ PIONEER VARIETY 9492**	53.1	54.2	51.4	2.1	1.9	1.9
~ PIONEER VARIETY 94B23*	53.1			2.6		
~ GATEWAY 4R472	53.0	56.4		2.6	2.3	
~ ASGROW AG 4301*	52.9	54.8	52.3	2.3	1.9	2.0
~ ASGROW AG 4902**	52.9	54.5	51.7	2.2	2.0	2.0
~ LG SEEDS C9480RR	52.9	55.2	51.5	2.9	2.4	2.4
~ CROPLAN GENETICS RC4848**	52.7	56.1	53.1	2.5	2.1	2.2
~ PIONEER VARIETY 94B54**	52.7			2.4		
~ GOLDEN HARVEST H-4850RR**	52.6			2.4		
~ SOUTHERN STATES RT-4980	52.6	53.8		2.8	2.2	
~ CROPLAN GENETICS RC4995	52.5			3.0		
~ GARST SEED D484 RR/N**	52.5			2.3		
~ HORNBECK HBK R4920	52.1	54.2		3.1	2.6	
~ SOUTHERN CROSS-TITUS 4.8N-RR**	51.8	54.7		2.5	2.1	
~ ASGROW AG 4702**	51.7	53.8	51.1	2.1	1.8	1.8
~ VIGORO V472NRR**	51.6			2.4		
~ DYNA-GRO 3484N RR**	50.9			2.0		
~ CROW'S C48009RN**	50.8			2.5		
~ GREAT LAKES GL 4109 RR*	50.8			2.2		
~ LG SEEDS C9447RR	50.4			3.0		
~ SOUTHERN STATES RT-4098	50.4	54.7		2.4	2.0	
~ DEKALB DKB45-51*	50.2			2.5		
~ CAVERNDAL CF 489nRR**	50.1			2.4		
~ VIGORO V462NRS**	50.1			2.9		
~ SOUTHERN STATES RT-446N*	50.0	52.4	49.7	2.2	2.0	2.0
~ DEKALB CX480cRR**	49.9			2.7		
~ AGVENTURE SEED AV 6489 N RR**	49.8			2.6		
~ GREAT LAKES GL 4309 RR**	49.7	52.6		1.3	1.4	
~ SOUTHERN CROSS-JEREMIAH 4.3N-RR*	49.6			2.4		
~ DELTA KING 4965 RR**	49.4			2.5		
~ STINE 3808-4	48.9			2.0		
~ DEKALB DKB40-51*	48.8			1.8		
~ LG SEEDS C4350NRR*	48.3	51.7		2.5	1.9	
~ CROPLAN GENETICS RT4241	47.2			3.0		
~ CROPLAN GENETICS YRC49*	46.6			3.7		
~ NK BRAND S46-G2**	46.5	51.0		2.3	2.0	
~ GOLDEN HARVEST H-4147RR**	46.4			2.2		
~ DELTA KING 4762 RR**	45.6			2.3		
~ PRAIRIE STREAM FARMS PSF 4102NRR**	44.8			2.2		
~ VIGORO V422NRR*	44.6			2.2		
~ DELTA AND PINE LAND DP4344RR	44.2	48.2	45.5	3.1	2.6	2.5
~ DYNA-GRO 3468N RR**	42.5	51.6	49.5	2.0	1.8	1.8
~ SOUTHERN STATES RT-4495N**	42.5	48.4	46.6	1.7	1.4	1.5
~ EXCEL 8494NRR*	41.9			2.3		
~ GREAT LAKES GL 4909 RR**	41.8			3.1		
~ HORNBECK HBK R4660**	41.0	47.2	45.0	2.3	2.0	2.0
GROUP IV AVERAGE	51.1	53.7	50.2	2.4	2.0	2.0
LSD (0.10)	2.4	2.1	1.8	0.2	0.2	0.2

**TABLE 4B. Roundup Ready varieties - subset of the 2001 Summary Table 4**

**BACK TO  
SELECTION  
KEY**

VARIETY / BRAND	YIELD (BU/AC) <sup>A</sup>			LODGING		
	2001	00-01	99-01	2001	00-01	99-01
<b>LATE ( GROUP V )</b>						
~ NK BRAND S52-U3**	<b>53.0</b>			3.3		
~ PIONEER VARIETY 95B32**	51.2	52.6	48.0	2.5	2.2	2.1
~ ASGROW AG 5501*	50.9	52.5		2.5	2.3	
~ UNISOUTH GENETICS USG 510nRR**	50.8	50.9		2.5	2.2	
~ CROPLAN GENETICS RC5252**	50.7			2.3		
~ VIGORO V543NRR**	50.3			2.5		
~ DELTA KING 5465 RR**	50.1	52.3		2.5	2.2	
~ CROW'S C5410R**	50.0			2.8		
~ ASGROW AG 5001	49.6	53.2	49.3	2.1	2.0	2.0
~ CROW'S C5118R**	49.6			2.4		
~ UNISOUTH GENETICS USG 540nRR**	49.0			2.7		
~ GREAT LAKES GL 5309 RR**	48.8			2.3		
~ HORNBECK HBK R5420*	48.7			2.5		
~ DELTA KING 5668 RR**	48.4			3.3		
~ EXCEL 8525NRR**	47.3			3.4		
~ CROPLAN GENETICS RC5454**	47.0			2.5		
~ DYNA-GRO 3518N RR**	46.4			2.8		
~ DELTA KING 5366 RR**	46.2			3.5		
~ CROPLAN GENETICS YRC51**	45.7			2.8		
~ SOUTHERN STATES RT-5401N**	45.5			2.5		
~ UNISOUTH GENETICS USG 7547RR	45.3	46.7	43.0	3.0	2.7	2.6
~ DYNA-GRO 3521N RR**	45.3	48.5		2.6	2.3	
~ SOUTHERN STATES RT-557N**	45.2	45.6	42.1	3.3	3.1	2.9
~ HORNBECK HBK R5588**	45.0	44.8	41.4	3.6	3.3	3.0
~ SOUTHERN STATES RT-517N**	44.1	49.2	45.3	3.2	2.7	2.6
~ SOUTHERN STATES RT-5001N**	43.8			2.9		
~ LG SEEDS C5151NRR**	43.6			3.2		
~ DELTA KING 5661 RR**	43.5			3.5		
~ GOLDEN HARVEST H-5137RR**	42.8			2.5		
~ AGVENTURE SEED AV 6501 N RR**	42.5			2.9		
~ DELTA KING 5762 RR**	42.0			3.5		
~ PIONEER VARIETY 95B53**	41.9	45.5		3.1	2.9	
~ VIGORO V512NRR**	41.6			3.1		
GROUP V AVERAGE	46.8	49.3	44.9	2.9	2.5	2.5
LSD (0.10)	2.3	2.1	1.9	0.2	0.2	0.2
GRAND MEAN	50.4	52.9	48.4	2.4	2.1	2.2

~ Roundup Ready variety

\* Resistant to the soybean cyst nematode (Race 3)

\*\* Resistant to the soybean cyst nematode (Race 3 and Race 14)

<sup>A</sup> Within a maturity group, shaded yields are not significantly different (0.10 level) from the highest yielding cultivar (bold data) of that maturity group and year column.

**TABLE 4C. SCN resistant varieties - subset of the 2001 Summary Table 4**

**BACK TO  
SELECTION  
KEY**

VARIETY / BRAND	YIELD (BU/AC) <sup>A</sup>			LODGING		
	2001	00-01	99-01	2001	00-01	99-01
<b>EARLY ( GROUP III )</b>						
~ DELTA KING XTJ 193 RR**	58.4			1.6		
~ DEKALB DKB38-52**	55.8			1.7		
~ CROPLAN GENETICS RC3838**	55.5			1.8		
~ ASGROW AG 3903*	55.3			2.1		
~ STINE 3632-4**	54.6			1.6		
~ DELTA KING 3964 RR**	54.2			2.5		
~ ASGROW AG 3902*	53.5			1.9		
~ NK BRAND S38-T8**	53.5	54.4		2.1	1.8	
~ PIONEER VARIETY 93B67**	53.2			1.9		
~ GARST SEED D399 RR/N**	52.6			2.2		
~ SOUTHERN CROSS-ANDREW 3.9N-RR**	52.4			1.9		
~ DELTA KING 3961 RR**	52.1			1.8		
~ CROPLAN GENETICS RC3866**	51.9			1.8		
~ SOUTHERN STATES RT-3799N**	51.9	54.9		1.8	1.6	
~ CAVERNDAL CF 392nRR**	51.1			2.0		
~ PIONEER VARIETY 93B85**	50.8			2.0		
~ PRAIRIE STREAM FARMS PSF 3999NRR**	48.2			2.1		
GROUP III AVERAGE	53.2	54.7		1.9	1.7	
LSD (0.10)	2.3	2.2		0.2	0.1	
<b>MID-SEASON ( GROUP IV )</b>						
~ DELTA KING XTJ 174 RR**	58.2			2.4		
~ HORNBECK HBK R4820*	57.8			2.0		
~ STINE 4202-4**	56.9			1.9		
~ CROW'S C4417R**	56.8			2.1		
~ DEKALB DKB44-51*	56.4	55.3		2.0	1.6	
~ CROPLAN GENETICS RC4444**	56.2			2.1		
~ SEED CONSULTANTS SC 9442 RR**	55.7			1.9		
~ BIO GENE BG 4401NRR**	55.5			2.0		
~ DELTA KING XTJ 124 RR**	54.8			2.0		
~ CAVERNDAL CF 444nRR**	54.7			2.1		
~ GATEWAY 4R483**	54.4			2.6		
~ ASGROW A 4324*	53.7	56.5		2.7	2.2	
~ ASGROW AG 4403*	53.7	56.5		2.1	1.8	
~ AGVENTURE SEED AV 6441 N RR**	53.4			2.1		
~ DELTA KING XTJ 184 RR**	53.4			2.6		
~ GOLDEN HARVEST H-4534RR**	53.4			1.8		
~ PIONEER VARIETY 9492**	53.1	54.2	51.4	2.1	1.9	1.9
~ PIONEER VARIETY 94B23*	53.1			2.6		
~ ASGROW AG 4301*	52.9	54.8	52.3	2.3	1.9	2.0
~ ASGROW AG 4902**	52.9	54.5	51.7	2.2	2.0	2.0
~ CROPLAN GENETICS RC4848**	52.7	56.1	53.1	2.5	2.1	2.2
~ PIONEER VARIETY 94B54**	52.7			2.4		
~ GOLDEN HARVEST H-4850RR**	52.6			2.4		
~ GARST SEED D484 RR/N**	52.5			2.3		
~ SOUTHERN STATES 4483N-ST5**	52.1	55.3		2.4	2.0	
~ GOLDEN HARVEST H-4459ST5**	51.8	56.7	55.6	2.8	2.3	2.3
~ SOUTHERN CROSS-TITUS 4.8N-RR**	51.8	54.7		2.5	2.1	
~ ASGROW AG 4702**	51.7	53.8	51.1	2.1	1.8	1.8

**TABLE 4C. SCN resistant varieties - subset of the 2001 Summary Table 4**

**BACK TO  
SELECTION  
KEY**

VARIETY / BRAND	YIELD (BU/AC) <sup>A</sup>			LODGING		
	2001	00-01	99-01	2001	00-01	99-01
~ VIGORO V472NRR**	51.6			2.4		
~ DYNA-GRO 3484N RR**	50.9			2.0		
~ CROW'S C48009RN**	50.8			2.5		
~ GREAT LAKES GL 4109 RR*	50.8			2.2		
P MANOKIN*	50.8	53.7	49.6	3.5	3.0	3.0
SOUTHERN CROSS-AARON 4.5N-ST5**	50.7	56.5		2.9	2.4	
GATEWAY 493*	50.4			3.1		
STINE 4702-2**	50.4	55.8	52.5	2.8	2.3	2.3
~ DEKALB DKB45-51*	50.2			2.5		
~ CAVERNDAL CF 489nRR**	50.1			2.4		
~ VIGORO V462NRS**	50.1			2.9		
~ SOUTHERN STATES RT-446N*	50.0	52.4	49.7	2.2	2.0	2.0
~ DEKALB CX480cRR**	49.9			2.7		
PIONEER VARIETY 94B53**	49.9	56.2	52.9	2.8	2.3	2.2
~ AGVENTURE SEED AV 6489 N RR**	49.8			2.6		
~ GREAT LAKES GL 4309 RR**	49.7	52.6		1.3	1.4	
~ SOUTHERN CROSS-JEREMIAH 4.3N-RR*	49.6			2.4		
~ DELTA KING 4965 RR**	49.4			2.5		
NK BRAND S42-H1**	48.9	53.2		2.4	2.0	
~ DEKALB DKB40-51*	48.8			1.8		
~ LG SEEDS C4350NRR*	48.3	51.7		2.5	1.9	
~ CROPLAN GENETICS YRC49*	46.6			3.7		
~ NK BRAND S46-G2**	46.5	51.0		2.3	2.0	
~ GOLDEN HARVEST H-4147RR**	46.4			2.2		
~ DELTA KING 4762 RR**	45.6			2.3		
P INA**	45.4	49.1	46.4	3.7	3.0	3.0
~ PRAIRIE STREAM FARMS PSF 4102NRR**	44.8			2.2		
~ VIGORO V422NRR*	44.6			2.2		
P REND**	44.3	51.1	49.0	3.3	2.7	2.7
~ DYNA-GRO 3468N RR**	42.5	51.6	49.5	2.0	1.8	1.8
~ SOUTHERN STATES RT-4495N**	42.5	48.4	46.6	1.7	1.4	1.5
~ EXCEL 8494NRR*	41.9			2.3		
~ GREAT LAKES GL 4909 RR**	41.8			3.1		
~ HORNBECK HBK R4660**	41.0	47.2	45.0	2.3	2.0	2.0
GROUP IV AVERAGE	50.6	53.6	50.4	2.4	2.1	2.2
LSD (0.10)	2.4	2.1	1.8	0.2	0.2	0.2

**TABLE 4C. SCN resistant varieties - subset of the 2001 Summary Table 4**

**BACK TO  
SELECTION  
KEY**

VARIETY / BRAND	YIELD (BU/AC) <sup>A</sup>			LODGING		
	2001	00-01	99-01	2001	00-01	99-01
<b>LATE ( GROUP V )</b>						
~ NK BRAND S52-U3**	<b>53.0</b>			3.3		
P DELSOY 5500**	51.7	52.0		2.5	2.5	
PIONEER VARIETY 95B33**	51.4	<b>54.0</b>		2.8	2.4	
~ PIONEER VARIETY 95B32**	51.2	52.6	<b>48.0</b>	2.5	2.2	2.1
~ ASGROW AG 5501*	50.9	52.5		2.5	2.3	
~ UNISOUTH GENETICS USG 510nRR**	50.8	50.9		2.5	2.2	
~ CROPLAN GENETICS RC5252**	50.7			2.3		
~ VIGORO V543NRR**	50.3			2.5		
~ DELTA KING 5465 RR**	50.1	52.3		2.5	2.2	
~ CROW'S C5410R**	50.0			2.8		
P CAVINESS**	49.6	48.7	45.6	3.9	3.6	3.3
~ CROW'S C5118R**	49.6			2.4		
~ UNISOUTH GENETICS USG 540nRR**	49.0			2.7		
~ GREAT LAKES GL 5309 RR**	48.8			2.3		
~ HORNBECK HBK R5420*	48.7			2.5		
DELTA KING 5995**	48.6			3.5		
~ DELTA KING 5668 RR**	48.4			3.3		
~ EXCEL 8525NRR**	47.3			3.4		
P ANAND**	47.1	48.7	44.8	2.3	2.0	2.0
~ CROPLAN GENETICS RC5454**	47.0			2.5		
~ DYNA-GRO 3518N RR**	46.4			2.8		
~ DELTA KING 5366 RR**	46.2			3.5		
~ CROPLAN GENETICS YRC51**	45.7			2.8		
~ SOUTHERN STATES RT-5401N**	45.5			2.5		
~ DYNA-GRO 3521N RR**	45.3	48.5		2.6	2.3	
~ SOUTHERN STATES RT-557N**	45.2	45.6	42.1	3.3	3.1	2.9
P K1425**	45.2			2.8		
~ HORNBECK HBK R5588**	45.0	44.8	41.4	3.6	3.3	3.0
~ SOUTHERN STATES RT-517N**	44.1	49.2	45.3	3.2	2.7	2.6
~ SOUTHERN STATES RT-5001N**	43.8			2.9		
~ LG SEEDS C5151NRR**	43.6			3.2		
~ DELTA KING 5661 RR**	43.5			3.5		
~ GOLDEN HARVEST H-5137RR**	42.8			2.5		
~ AGVENTURE SEED AV 6501 N RR**	42.5			2.9		
~ DELTA KING 5762 RR**	42.0			3.5		
~ PIONEER VARIETY 95B53**	41.9	45.5		3.1	2.9	
~ VIGORO V512NRR**	41.6			3.1		
GROUP V AVERAGE	47.1	49.6	44.5	2.9	2.6	2.7
LSD (0.10)	2.3	2.1	1.9	0.2	0.2	0.2
GRAND MEAN	49.9	52.3	48.7	2.5	2.2	2.3

~ Roundup Ready variety

P Entries with a P prefix are public varieties.

\* Resistant to the soybean cyst nematode (Race 3)

\*\* Resistant to the soybean cyst nematode (Race 3 and Race 14)

<sup>A</sup> Within a maturity group, shaded yields are not significantly different (0.10 level) from the highest yielding cultivar (bold data) of that maturity group and year column.

**TABLE 4D. Conventional varieties with no SCN resistance - subset of the 2001 Summary Table 4**

**BACK TO  
SELECTION  
KEY**

VARIETY / BRAND	YIELD (BU/AC) <sup>A</sup>			LODGING		
	2001	00-01	99-01	2001	00-01	99-01
<b>EARLY ( GROUP III )</b>						
PIONEER VARIETY 93B87	<b>59.5</b>			2.3		
NK BRAND S38-E9	<b>58.7</b>			2.0		
STINE 3870-0	56.4	<b>61.0</b>		2.1	2.0	
NS FG 1 (tofu type)	51.5	51.4		2.5	1.9	
NS PIONEER VARIETY P9305 (tofu type)	50.1	50.8		1.8	1.6	
SOUTHERN STATES 381-ST5	49.4	52.4	49.2	2.7	2.3	2.3
NS NE 3396 (high protein, high yield)	48.2	51.6		2.0	1.9	
NS IA 3001 (high protein)	46.8			2.0		
NS IA 3011 (tofu type)	46.6	47.0		1.7	1.6	
NS U97-207427 (high protein, high yield)	45.6	49.6		2.1	1.9	
NS RUPP SEED EXP. 2702 (tofu type)	44.1			3.3		
NS RUPP SEED EXP. 2703 (tofu type)	42.6			2.8		
NS IA 2025 (triple null)	42.2	45.1		1.6	1.4	
NS U95-3813 (natto type)	41.5	44.0		1.3	1.3	
GROUP III AVERAGE	48.8	50.3		2.2	1.8	
LSD (0.10)	2.3	2.2		0.2	0.1	
<b>MID-SEASON ( GROUP IV )</b>						
LG SEEDS C9474	<b>57.5</b>	<b>59.8</b>	<b>56.0</b>	3.0	2.5	2.5
NS DAIRYLAND DST4203 (large-seed food type)	56.6			2.2		
DELTA AND PINE LAND DP4748S	56.1			3.2		
DELTA KING 4680	55.8	<b>58.7</b>		2.8	2.3	
DELTA KING 4711	<b>55.8</b>	<b>58.4</b>		2.9	2.4	
HORNBECK HBK 4891	54.6	55.4	52.9	2.6	2.1	2.2
CAVERNDALE CF 492	54.1	57.5	53.8	2.5	2.1	2.2
P STRESSLAND	52.2	55.1	52.4	3.0	2.4	2.4
P TROLL	52.0	55.6	52.4	1.3	1.3	1.3
CAVERNDALE CF 461	51.8	53.4	50.2	3.0	2.4	
SOUTHERN STATES 439	48.8	56.4	53.2	2.7	2.2	2.1
UNISOUTH GENETICS USG 7499	46.8	51.6	48.2	1.9	1.9	1.9
NS K1433 (high protein)	45.4			1.8		
NS K93-9-56 (large-seeded food type)	44.7			3.2		
NS L96-5104 (natto type)	42.0	47.8		2.5	2.2	
NS IA 4001 (natto type)	41.4	45.1		4.1	3.4	
NS K 1431 (high protein)	40.3	44.4		3.4	2.9	
NS K93-81-37 (small-seeded food type)	32.2			3.4		
GROUP IV AVERAGE	49.3	53.8	52.4	2.8	2.3	2.1
LSD (0.10)	2.4	2.1	1.8	0.2	0.2	0.2
<b>LATE ( GROUP V )</b>						
P HOLLADAY	<b>55.4</b>	<b>54.8</b>	<b>50.3</b>	3.5	2.8	2.7
NS K1436 (high protein)	52.7			2.8		
SOUTHERN STATES 5200-ST5	51.3			2.5		
P HUTCHESON	51.1	<b>52.7</b>	<b>49.0</b>	3.1	2.7	2.6
NS K93-86-14 (small-seeded type)	42.4			3.8		
GROUP V AVERAGE	50.6	53.8	49.7	3.1	2.8	2.7
LSD (0.10)	2.3	2.1	1.9	0.2	0.2	0.2
GRAND MEAN	49.3	52.5	51.6	2.6	2.1	2.0

P Entries with a P prefix are public varieties.

NS Entries with a NS prefix are novel soybean varieties that are emerging from both the public and private sectors. Some of these value-added soybean types will supply relatively small market niches, while others may be of much broader market value.

Testing novel soybeans will enable producers to assess whether premiums for a given trait offset possible yield lag/drag.

<sup>A</sup> Within a maturity group, shaded yields are not significantly different (0.10 level) from the highest yielding cultivar (bold data) of that maturity group and year column.



TABLE 4E. Conventional varieties with SCN resistance - subset of the 2001 Summary Table 4A

BACK TO  
SELECTION  
KEY

VARIETY / BRAND	YIELD (BU/AC) <sup>A</sup>			LODGING		
	2001	00-01	99-01	2001	00-01	99-01
<b>EARLY ( GROUP III )</b>						
NK BRAND S38-T8**	53.5	54.4		2.1	1.8	
GROUP III AVERAGE						
LSD (0.10)						
<b>MID-SEASON ( GROUP IV )</b>						
ASGROW A 4324*	<b>53.7</b>	56.5		2.7	2.2	
SOUTHERN STATES 4483N-ST5**	52.1	55.3		2.4	2.0	
GOLDEN HARVEST H-4459ST5**	51.8	<b>56.7</b>	<b>55.6</b>	2.8	2.3	2.3
P MANOKIN*	50.8	53.7	49.6	3.5	3.0	3.0
SOUTHERN CROSS-AARON 4.5N-ST5**	50.7	56.5		2.9	2.4	
GATEWAY 493*	50.4			3.1		
STINE 4702-2**	50.4	55.8	52.5	2.8	2.3	2.3
PIONEER VARIETY 94B53**	49.9	56.2	52.9	2.8	2.3	2.2
NK BRAND S42-H1**	48.9	53.2		2.4	2.0	
P INA**	45.4	49.1	46.4	3.7	3.0	3.0
P REND**	44.3	51.1	49.0	3.3	2.7	2.7
GROUP IV AVERAGE	49.9	54.4	51.0	2.9	2.4	2.6
LSD (0.10)	2.4	2.1	1.8	0.2	0.2	0.2
<b>LATE ( GROUP V )</b>						
P DELSOY 5500**	<b>51.7</b>	52.0		2.5	2.5	
PIONEER VARIETY 95B33**	51.4	<b>54.0</b>		2.8	2.4	
P CAVINESS**	49.6	48.7	<b>45.6</b>	3.9	3.6	3.3
DELTA KING 5995**	48.6			3.5		
P ANAND**	47.1	48.7	44.8	2.3	2.0	2.0
P K1425**	45.2			2.8		
GROUP V AVERAGE	48.9	50.9	45.2	3.0	2.6	2.7
LSD (0.10)	2.3	2.1	1.9	0.2	0.2	0.2
GRAND MEAN	49.8	53.5	49.6	2.9	2.4	2.6

P Entries with a P prefix are public varieties.

\* Resistant to the soybean cyst nematode (Race 3)

\*\* Resistant to the soybean cyst nematode (Race 3 and Race 14)

<sup>A</sup> Within a maturity group, shaded yields are not significantly different (0.10 level) from the highest yielding cultivar (bold data) of that maturity group and year column.

**TABLE 4F. Roundup Ready varieties with no SCN resistance - subset of the 2001 Summary Table 4**

**BACK TO  
SELECTION  
KEY**

VARIETY / BRAND	YIELD (BU/AC) <sup>A</sup>			LODGING		
	2001	00-01	99-01	2001	00-01	99-01
<b>EARLY ( GROUP III )</b>						
~ STINE 3800-4	<b>58.4</b>	<b>59.6</b>		1.7	1.6	
~ NK BRAND S39-Q4	58.1			2.0		
~ GOLDEN HARVEST H-3983RR	<b>58.1</b>	<b>59.2</b>		1.8	1.7	
~ SOUTHERN CROSS-SOLOMON 3.8-RR	55.4	57.2		2.3	1.9	
~ PRAIRIE STREAM FARMS PSF 3501RR	52.0			2.4		
~ DELTA KING XTJ 183 RR	51.8			1.9		
~ SOUTHERN STATES RT-3975	51.2	52.2	48.4	2.2	1.9	1.9
~ STINE 3763-4	48.6	54.5		1.8	1.6	
~ PRAIRIE STREAM FARMS PSF 3598RR	46.0			2.2		
GROUP III AVERAGE	53.3	56.5		2.0	1.7	
LSD (0.10)	2.3	2.2		0.2	0.1	
<b>MID-SEASON ( GROUP IV )</b>						
~ DELTA KING 4868 RR	<b>56.5</b>	<b>57.5</b>	<b>54.4</b>	2.3	1.9	2.0
~ DELTA AND PINE LAND DP4690RR	55.6	<b>58.2</b>		2.8	2.3	
~ PIONEER VARIETY 94B73	55.4			2.6		
~ STINE 4700-4	<b>54.6</b>			1.9		
~ GREAT LAKES GL 4800 RR	53.7	55.3		2.7	2.2	
~ GATEWAY 4R472	53.0	<b>56.4</b>		2.6	2.3	
~ LG SEEDS C9480RR	52.9	55.2	51.5	2.9	2.4	2.4
~ SOUTHERN STATES RT-4980	52.6	53.8		2.8	2.2	
~ CROPLAN GENETICS RC4995	52.5			3.0		
~ HORNBECK HBK R4920	52.1	54.2		3.1	2.6	
~ LG SEEDS C9447RR	50.4			3.0		
~ SOUTHERN STATES RT-4098	50.4	54.7		2.4	2.0	
~ STINE 3808-4	48.9			2.0		
~ CROPLAN GENETICS RT4241	47.2			3.0		
~ DELTA AND PINE LAND DP4344RR	44.2	48.2	45.5	3.1	2.6	2.5
GROUP IV AVERAGE	52.0	54.8	50.5	2.7	2.3	2.3
LSD (0.10)	2.4	2.1	1.8	0.2	0.2	0.2
<b>LATE ( GROUP V )</b>						
~ ASGROW AG 5001	<b>49.6</b>	<b>53.2</b>	<b>49.3</b>	2.1	2.0	2.0
~ UNISOUTH GENETICS USG 7547RR	45.3	46.7	43.0	3.0	2.7	2.6
GROUP V AVERAGE	47.5	50.0	46.2	2.6	2.4	2.3
LSD (0.10)	2.3	2.1	1.9	0.2	0.2	0.2
GRAND MEAN	52.1	54.8	48.7	2.4	2.1	2.2

~ Roundup Ready variety

<sup>A</sup> Within a maturity group, shaded yields are not significantly different (0.10 level) from the highest yielding cultivar (bold data) of that maturity group and year column.

TABLE 4G. Roundup Ready varieties with SCN resistance - subset of the 2001 Summary Table 4

BACK TO  
SELECTION  
KEY

VARIETY / BRAND	YIELD (BU/AC) <sup>A</sup>			LODGING		
	2001	00-01	99-01	2001	00-01	99-01
<b>EARLY ( GROUP III )</b>						
~ DELTA KING XTJ 193 RR**	58.4			1.6		
~ DEKALB DKB38-52**	55.8			1.7		
~ CROPLAN GENETICS RC3838**	55.5			1.8		
~ ASGROW AG 3903*	55.3			2.1		
~ STINE 3632-4**	54.6			1.6		
~ DELTA KING 3964 RR**	54.2			2.5		
~ ASGROW AG 3902*	53.5			1.9		
~ PIONEER VARIETY 93B67**	53.2			1.9		
~ GARST SEED D399 RR/N**	52.6			2.2		
~ SOUTHERN CROSS-ANDREW 3.9N-RR**	52.4			1.9		
~ DELTA KING 3961 RR**	52.1			1.8		
~ CROPLAN GENETICS RC3866**	51.9			1.8		
~ SOUTHERN STATES RT-3799N**	51.9	54.9		1.8	1.6	
~ CAVERNDALE CF 392nRR**	51.1			2.0		
~ PIONEER VARIETY 93B85**	50.8			2.0		
~ PRAIRIE STREAM FARMS PSF 3999NRR**	48.2			2.1		
GROUP III AVERAGE	53.2			1.9		
LSD (0.10)	2.3			0.2		
<b>MID-SEASON ( GROUP IV )</b>						
~ DELTA KING XTJ 174 RR**	58.2			2.4		
~ HORNBECK HBK R4820*	57.8			2.0		
~ STINE 4202-4**	56.9			1.9		
~ CROW'S C4417R**	56.8			2.1		
~ DEKALB DKB44-51*	56.4	55.3		2.0	1.6	
~ CROPLAN GENETICS RC4444**	56.2			2.1		
~ SEED CONSULTANTS SC 9442 RR**	55.7			1.9		
~ BIO GENE BG 4401NRR**	55.5			2.0		
~ DELTA KING XTJ 124 RR**	54.8			2.0		
~ CAVERNDALE CF 444nRR**	54.7			2.1		
~ GATEWAY 4R483**	54.4			2.6		
~ ASGROW AG 4403*	53.7	56.5		2.1	1.8	
~ AGVENTURE SEED AV 6441 N RR**	53.4			2.1		
~ DELTA KING XTJ 184 RR**	53.4			2.6		
~ GOLDEN HARVEST H-4534RR**	53.4			1.8		
~ PIONEER VARIETY 9492**	53.1	54.2	51.4	2.1	1.9	1.9
~ PIONEER VARIETY 94B23*	53.1			2.6		
~ ASGROW AG 4301*	52.9	54.8	52.3	2.3	1.9	2.0
~ ASGROW AG 4902**	52.9	54.5	51.7	2.2	2.0	2.0
~ CROPLAN GENETICS RC4848**	52.7	56.1	53.1	2.5	2.1	2.2
~ PIONEER VARIETY 94B54**	52.7			2.4		
~ GOLDEN HARVEST H-4850RR**	52.6			2.4		
~ GARST SEED D484 RR/N**	52.5			2.3		
~ SOUTHERN CROSS-TITUS 4.8N-RR**	51.8	54.7		2.5	2.1	
~ ASGROW AG 4702**	51.7	53.8	51.1	2.1	1.8	1.8
~ VIGORO V472NRR**	51.6			2.4		
~ DYNA-GRO 3484N RR**	50.9			2.0		
~ CROW'S C48009RN**	50.8			2.5		
~ GREAT LAKES GL 4109 RR*	50.8			2.2		
~ DEKALB DKB45-51*	50.2			2.5		
~ CAVERNDALE CF 489nRR**	50.1			2.4		
~ VIGORO V462NRS**	50.1			2.9		
~ SOUTHERN STATES RT-446N*	50.0	52.4	49.7	2.2	2.0	2.0
~ DEKALB CX480cRR**	49.9			2.7		
~ AGVENTURE SEED AV 6489 N RR**	49.8			2.6		
~ GREAT LAKES GL 4309 RR**	49.7	52.6		1.3	1.4	
~ SOUTHERN CROSS-JEREMIAH 4.3N-RR*	49.6			2.4		
~ DELTA KING 4965 RR**	49.4			2.5		

**TABLE 4G. Roundup Ready varieties with SCN resistance - subset of the 2001 Summary Table 4**

**BACK TO  
SELECTION  
KEY**

VARIETY / BRAND	YIELD (BU/AC) <sup>A</sup>			LODGING		
	2001	00-01	99-01	2001	00-01	99-01
~ DEKALB DKB40-51*	48.8			1.8		
~ LG SEEDS C4350NRR*	48.3	51.7		2.5	1.9	
~ CROPLAN GENETICS YRC49*	46.6			3.7		
~ NK BRAND S46-G2**	46.5	51.0		2.3	2.0	
~ GOLDEN HARVEST H-4147RR**	46.4			2.2		
~ DELTA KING 4762 RR**	45.6			2.3		
~ PRAIRIE STREAM FARMS PSF 4102NRR**	44.8			2.2		
~ VIGORO V422NRR*	44.6			2.2		
~ DYNA-GRO 3468N RR**	42.5	51.6	49.5	2.0	1.8	1.8
~ SOUTHERN STATES RT-4495N**	42.5	48.4	46.6	1.7	1.4	1.5
~ EXCEL 8494NRR*	41.9			2.3		
~ GREAT LAKES GL 4909 RR**	41.8			3.1		
~ HORNBECK HBK R4660**	41.0	47.2	45.0	2.3	2.0	2.0
GROUP IV AVERAGE	50.8	53.0	50.0	2.3	1.8	1.9
LSD (0.10)	2.4	2.1	1.8	0.2	0.2	0.2
<b>LATE ( GROUP V )</b>						
~ NK BRAND S52-U3**	<b>53.0</b>			3.3		
~ PIONEER VARIETY 95B32**	51.2	<b>52.6</b>	<b>48.0</b>	2.5	2.2	2.1
~ ASGROW AG 5501*	50.9	<b>52.5</b>		2.5	2.3	
~ UNISOUTH GENETICS USG 510nRR**	<b>50.8</b>	<b>50.9</b>		2.5	2.2	
~ CROPLAN GENETICS RC5252**	<b>50.7</b>			2.3		
~ VIGORO V543NRR**	50.3			2.5		
~ DELTA KING 5465 RR**	50.1	<b>52.3</b>		2.5	2.2	
~ CROW'S C5410R**	50.0			2.8		
~ CROW'S C5118R**	49.6			2.4		
~ UNISOUTH GENETICS USG 540nRR**	49.0			2.7		
~ GREAT LAKES GL 5309 RR**	48.8			2.3		
~ HORNBECK HBK R5420*	48.7			2.5		
~ DELTA KING 5668 RR**	48.4			3.3		
~ EXCEL 8525NRR**	47.3			3.4		
~ CROPLAN GENETICS RC5454**	47.0			2.5		
~ DYNA-GRO 3518N RR**	46.4			2.8		
~ DELTA KING 5366 RR**	46.2			3.5		
~ CROPLAN GENETICS YRC51**	45.7			2.8		
~ SOUTHERN STATES RT-5401N**	45.5			2.5		
~ DYNA-GRO 3521N RR**	45.3	48.5		2.6	2.3	
~ SOUTHERN STATES RT-557N**	45.2	45.6	42.1	3.3	3.1	2.9
~ HORNBECK HBK R5588**	45.0	44.8	41.4	3.6	3.3	3.0
~ SOUTHERN STATES RT-517N**	44.1	49.2	45.3	3.2	2.7	2.6
~ SOUTHERN STATES RT-5001N**	43.8			2.9		
~ LG SEEDS C5151NRR**	43.6			3.2		
~ DELTA KING 5661 RR**	43.5			3.5		
~ GOLDEN HARVEST H-5137RR**	42.8			2.5		
~ AGVENTURE SEED AV 6501 N RR**	42.5			2.9		
~ DELTA KING 5762 RR**	42.0			3.5		
~ PIONEER VARIETY 95B53**	41.9	45.5		3.1	2.9	
~ VIGORO V512NRR**	41.6			3.1		
GROUP V AVERAGE	46.8	49.1	44.2	2.9	2.6	2.7
LSD (0.10)	2.3	2.1	1.9	0.2	0.2	0.2
GRAND MEAN	49.9	51.7	48.2	2.4	2.1	2.1

~ Roundup Ready variety

\* Resistant to the soybean cyst nematode (Race 3)

\*\* Resistant to the soybean cyst nematode (Race 3 and Race 14)

<sup>A</sup> Within a maturity group, shaded yields are not significantly different (0.10 level) from the highest yielding cultivar (bold data) of that maturity group and year column.

TABLE 4H. Conventional varieties with SCN resistance - subset of the 2001 Summary Table 4

BACK TO  
SELECTION  
KEY

VARIETY / BRAND	YIELD (BU/AC) <sup>A</sup>			LODGING		
	2001	00-01	99-01	2001	00-01	99-01
<b>EARLY ( GROUP III )</b>						
NK BRAND S38-T8**	53.5	54.4		2.1	1.8	
GROUP III AVERAGE						
LSD (0.10)						
<b>MID-SEASON ( GROUP IV )</b>						
ASGROW A 4324*	<b>53.7</b>	56.5		2.7	2.2	
SOUTHERN STATES 4483N-ST5**	52.1	55.3		2.4	2.0	
GOLDEN HARVEST H-4459ST5**	51.8	<b>56.7</b>	<b>55.6</b>	2.8	2.3	2.3
P MANOKIN*	50.8	53.7	49.6	3.5	3.0	3.0
SOUTHERN CROSS-AARON 4.5N-ST5**	50.7	<b>56.5</b>		2.9	2.4	
GATEWAY 493*	50.4			3.1		
STINE 4702-2**	50.4	<b>55.8</b>	52.5	2.8	2.3	2.3
PIONEER VARIETY 94B53**	49.9	<b>56.2</b>	52.9	2.8	2.3	2.2
NK BRAND S42-H1**	48.9	53.2		2.4	2.0	
P INA**	45.4	49.1	46.4	3.7	3.0	3.0
P REND**	44.3	51.1	49.0	3.3	2.7	2.7
GROUP IV AVERAGE	49.9	54.4	51.0	2.9	2.4	2.6
LSD (0.10)	2.4	2.1	1.8	0.2	0.2	0.2
<b>LATE ( GROUP V )</b>						
P DELSOY 5500**	<b>51.7</b>	52.0		2.5	2.5	
PIONEER VARIETY 95B33**	51.4	<b>54.0</b>		2.8	2.4	
P CAVINESS**	49.6	48.7	<b>45.6</b>	3.9	3.6	3.3
DELTA KING 5995**	48.6			3.5		
P ANAND**	47.1	48.7	44.8	2.3	2.0	2.0
P K1425**	45.2			2.8		
GROUP V AVERAGE	48.9	50.9	45.2	3.0	2.6	2.7
LSD (0.10)	2.3	2.1	1.9	0.2	0.2	0.2
GRAND MEAN	49.8	53.5	49.6	2.9	2.4	2.6

P Entries with a P prefix are public varieties.

\* Resistant to the soybean cyst nematode (Race 3)

\*\* Resistant to the soybean cyst nematode (Race 3 and Race 14)

<sup>A</sup> Within a maturity group, shaded yields are not significantly different (0.10 level) from the highest yielding cultivar (bold data) of that maturity group and year column.

**TABLE 4I. Roundup Ready varieties with SCN resistance - subset of the 2001 Summary Table 4**

**BACK TO  
SELECTION  
KEY**

VARIETY / BRAND	YIELD (BU/AC) <sup>A</sup>			LODGING		
	2001	00-01	99-01	2001	00-01	99-01
<b>EARLY ( GROUP III )</b>						
~ DELTA KING XTJ 193 RR**	58.4			1.6		
~ DEKALB DKB38-52**	55.8			1.7		
~ CROPLAN GENETICS RC3838**	55.5			1.8		
~ ASGROW AG 3903*	55.3			2.1		
~ STINE 3632-4**	54.6			1.6		
~ DELTA KING 3964 RR**	54.2			2.5		
~ ASGROW AG 3902*	53.5			1.9		
~ PIONEER VARIETY 93B67**	53.2			1.9		
~ GARST SEED D399 RR/N**	52.6			2.2		
~ SOUTHERN CROSS-ANDREW 3.9N-RR**	52.4			1.9		
~ DELTA KING 3961 RR**	52.1			1.8		
~ CROPLAN GENETICS RC3866**	51.9			1.8		
~ SOUTHERN STATES RT-3799N**	51.9	54.9		1.8	1.6	
~ CAVERNDALE CF 392nRR**	51.1			2.0		
~ PIONEER VARIETY 93B85**	50.8			2.0		
~ PRAIRIE STREAM FARMS PSF 3999NRR**	48.2			2.1		
GROUP III AVERAGE	53.2			1.9		
LSD (0.10)	2.3			0.2		
<b>MID-SEASON ( GROUP IV )</b>						
~ DELTA KING XTJ 174 RR**	58.2			2.4		
~ HORNBECK HBK R4820*	57.8			2.0		
~ STINE 4202-4**	56.9			1.9		
~ CROW'S C4417R**	56.8			2.1		
~ DEKALB DKB44-51*	56.4	55.3		2.0	1.6	
~ CROPLAN GENETICS RC4444**	56.2			2.1		
~ SEED CONSULTANTS SC 9442 RR**	55.7			1.9		
~ BIO GENE BG 4401NRR**	55.5			2.0		
~ DELTA KING XTJ 124 RR**	54.8			2.0		
~ CAVERNDALE CF 444nRR**	54.7			2.1		
~ GATEWAY 4R483**	54.4			2.6		
~ ASGROW AG 4403*	53.7	56.5		2.1	1.8	
~ AGVENTURE SEED AV 6441 N RR**	53.4			2.1		
~ DELTA KING XTJ 184 RR**	53.4			2.6		
~ GOLDEN HARVEST H-4534RR**	53.4			1.8		
~ PIONEER VARIETY 9492**	53.1	54.2	51.4	2.1	1.9	1.9
~ PIONEER VARIETY 94B23*	53.1			2.6		
~ ASGROW AG 4301*	52.9	54.8	52.3	2.3	1.9	2.0
~ ASGROW AG 4902**	52.9	54.5	51.7	2.2	2.0	2.0
~ CROPLAN GENETICS RC4848**	52.7	56.1	53.1	2.5	2.1	2.2
~ PIONEER VARIETY 94B54**	52.7			2.4		
~ GOLDEN HARVEST H-4850RR**	52.6			2.4		
~ GARST SEED D484 RR/N**	52.5			2.3		
~ SOUTHERN CROSS-TITUS 4.8N-RR**	51.8	54.7		2.5	2.1	
~ ASGROW AG 4702**	51.7	53.8	51.1	2.1	1.8	1.8
~ VIGORO V472NRR**	51.6			2.4		
~ DYNA-GRO 3484N RR**	50.9			2.0		
~ CROW'S C48009RN**	50.8			2.5		
~ GREAT LAKES GL 4109 RR*	50.8			2.2		
~ DEKALB DKB45-51*	50.2			2.5		
~ CAVERNDALE CF 489nRR**	50.1			2.4		
~ VIGORO V462NRS**	50.1			2.9		
~ SOUTHERN STATES RT-446N*	50.0	52.4	49.7	2.2	2.0	2.0
~ DEKALB CX480cRR**	49.9			2.7		
~ AGVENTURE SEED AV 6489 N RR**	49.8			2.6		
~ GREAT LAKES GL 4309 RR**	49.7	52.6		1.3	1.4	
~ SOUTHERN CROSS-JEREMIAH 4.3N-RR*	49.6			2.4		
~ DELTA KING 4965 RR**	49.4			2.5		

**TABLE 4I. Roundup Ready varieties with SCN resistance - subset of the 2001 Summary Table 4**

**BACK TO  
SELECTION  
KEY**

VARIETY / BRAND	YIELD (BU/AC) <sup>A</sup>			LODGING		
	2001	00-01	99-01	2001	00-01	99-01
~ DEKALB DKB40-51*	48.8			1.8		
~ LG SEEDS C4350NRR*	48.3	51.7		2.5	1.9	
~ CROPLAN GENETICS YRC49*	46.6			3.7		
~ NK BRAND S46-G2**	46.5	51.0		2.3	2.0	
~ GOLDEN HARVEST H-4147RR**	46.4			2.2		
~ DELTA KING 4762 RR**	45.6			2.3		
~ PRAIRIE STREAM FARMS PSF 4102NRR**	44.8			2.2		
~ VIGORO V422NRR*	44.6			2.2		
~ DYNA-GRO 3468N RR**	42.5	51.6	49.5	2.0	1.8	1.8
~ SOUTHERN STATES RT-4495N**	42.5	48.4	46.6	1.7	1.4	1.5
~ EXCEL 8494NRR*	41.9			2.3		
~ GREAT LAKES GL 4909 RR**	41.8			3.1		
~ HORNBECK HBK R4660**	41.0	47.2	45.0	2.3	2.0	2.0
GROUP IV AVERAGE	50.8	53.0	50.0	2.3	1.8	1.9
LSD (0.10)	2.4	2.1	1.8	0.2	0.2	0.2
<b>LATE ( GROUP V )</b>						
~ NK BRAND S52-U3**	<b>53.0</b>			3.3		
~ PIONEER VARIETY 95B32**	51.2	<b>52.6</b>	<b>48.0</b>	2.5	2.2	2.1
~ ASGROW AG 5501*	50.9	<b>52.5</b>		2.5	2.3	
~ UNISOUTH GENETICS USG 510nRR**	<b>50.8</b>	<b>50.9</b>		2.5	2.2	
~ CROPLAN GENETICS RC5252**	<b>50.7</b>			2.3		
~ VIGORO V543NRR**	50.3			2.5		
~ DELTA KING 5465 RR**	50.1	<b>52.3</b>		2.5	2.2	
~ CROW'S C5410R**	50.0			2.8		
~ CROW'S C5118R**	49.6			2.4		
~ UNISOUTH GENETICS USG 540nRR**	49.0			2.7		
~ GREAT LAKES GL 5309 RR**	48.8			2.3		
~ HORNBECK HBK R5420*	48.7			2.5		
~ DELTA KING 5668 RR**	48.4			3.3		
~ EXCEL 8525NRR**	47.3			3.4		
~ CROPLAN GENETICS RC5454**	47.0			2.5		
~ DYNA-GRO 3518N RR**	46.4			2.8		
~ DELTA KING 5366 RR**	46.2			3.5		
~ CROPLAN GENETICS YRC51**	45.7			2.8		
~ SOUTHERN STATES RT-5401N**	45.5			2.5		
~ DYNA-GRO 3521N RR**	45.3	48.5		2.6	2.3	
~ SOUTHERN STATES RT-557N**	45.2	45.6	42.1	3.3	3.1	2.9
~ HORNBECK HBK R5588**	45.0	44.8	41.4	3.6	3.3	3.0
~ SOUTHERN STATES RT-517N**	44.1	49.2	45.3	3.2	2.7	2.6
~ SOUTHERN STATES RT-5001N**	43.8			2.9		
~ LG SEEDS C5151NRR**	43.6			3.2		
~ DELTA KING 5661 RR**	43.5			3.5		
~ GOLDEN HARVEST H-5137RR**	42.8			2.5		
~ AGVENTURE SEED AV 6501 N RR**	42.5			2.9		
~ DELTA KING 5762 RR**	42.0			3.5		
~ PIONEER VARIETY 95B53**	41.9	45.5		3.1	2.9	
~ VIGORO V512NRR**	41.6			3.1		
GROUP V AVERAGE	46.8	49.1	44.2	2.9	2.6	2.7
LSD (0.10)	2.3	2.1	1.9	0.2	0.2	0.2
GRAND MEAN	49.9	51.7	48.2	2.4	2.1	2.1

~ Roundup Ready variety

\* Resistant to the soybean cyst nematode (Race 3)

\*\* Resistant to the soybean cyst nematode (Race 3 and Race 14)

<sup>A</sup> Within a maturity group, shaded yields are not significantly different (0.10 level) from the highest yielding cultivar (bold data) of that maturity group and year column.