



2000 Kentucky Soybean Performance Tests

Eugene Lacefield, Charles Tutt, and Todd Pfeiffer

Tables

- 1. Location, Planting, and Climatic Data for the 2000 Soybean Performance Tests 2
- 2. Soybean Planting Guide 3
- 3. Company Disease-Resistance Specifications 6
- 4. [Summary: Variety Test Tables 5-10](#) 8
- 5. Caldwell County Conventional Variety Test 11
- 6. Calloway County Conventional Variety Test 14
- 7. Fayette County Conventional Variety Test 17
- 8. Logan County Conventional Variety Test 20
- 9. Union County Conventional Variety Test 23
- 10. Caldwell County Double Crop Variety Test 26
- 11. Fayette County Roundup Ready Variety Test 29

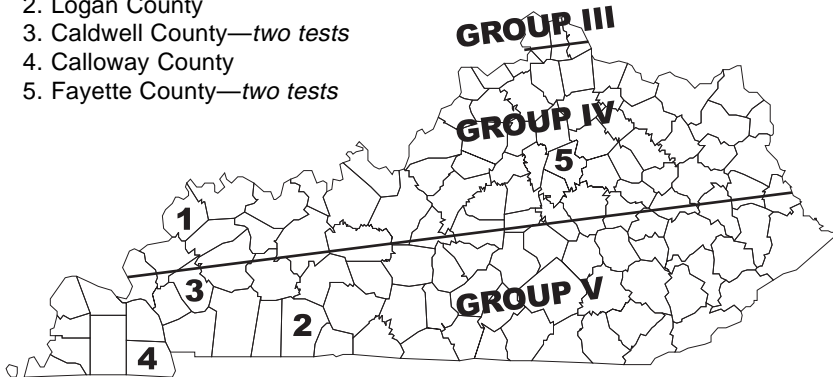
Web site Feature: Selection Key to create subsets of Summary Table 4. [Description](#) on page 4.

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.

Seven soybean tests were planted in 2000 in Kentucky. The test locations are shown below. Soil types, planting dates, and other information are shown in Table 1.

Location of the 2000 Kentucky Soybean Tests

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



Methods

All tests were planted in a randomized complete block design by maturity group. The conventional tests (Tables 5-10) had two replications (plots) of each variety. The Roundup Ready (Roundup Ready is a registered trademark of the Monsanto Company) test had three replications. 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.

The Roundup Ready test was treated with a conventional pre-plant herbicide for nutsedge control and once with Roundup Ultra before canopy closure.

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 and Caldwell County locations.

Plant height—Plant height was measured in inches from the soil surface to the tip of the main stem.

Web Site:
<<http://www.ca.uky.edu/agc/pubs/respubs.htm>>
Scroll down the list to "PR-435."

Table 1. Location, planting, and climatic data for the 2000 Soybean Performance Tests.

Test	Farmer	Extension Agent	Soil Type	Date of Planting	Soil Test	Fertilizer Applied ²	50% Chance of Killing Frost ³
Caldwell Co. Conventional	Princeton Exp. Station		Crider Silt Loam	6/4	P 56 K 736 pH 6.5	none	10/19
Calloway Co. Conventional	Jim Kelly	Gerald Claywell	Grenada Silt Loam	6/7	P 38 K 206 pH 6.1	none	10/19
Fayette Co. Conventional	Lexington Exp. Station		Maury Silt Loam	5/12	P 237 K 212 pH 6.7	100 lb KCl	10/26
Logan Co.⁴ Conventional	Richard Moore	Joanna Coles	Nolin Silt Loam	5/17	P 73 K 267 pH 6.1	100 lb 18-46-0 100 lb 0-0-60 2 tons lime	10/23
Union Co. Conventional	Dennis Hardesty	Rankin Powell	Calloway Silt Loam	5/18	P 87 K 337 pH 6.5	300 lb 0-23-30	10/25
Caldwell Co.¹ Double Crop	Princeton Exp. Station		Crider Silt Loam	6/29	P 56 K 736 pH 6.5	none	10/19
Fayette Co. Roundup Ready	Lexington Exp. Station		Maury Silt Loam	5/11	P 237 K 212 pH 6.7	100 lb KCl	10/26

¹ No-till double cropped after wheat

² Amount per acre

³ Based on 30-year average

⁴ No-till

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 differ-

ence 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.

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 and Caldwell County locations.

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 PPA-3, *Soybean Cyst Nematode*, 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 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 which 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.

Eleven 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 has a large potential U.S. market.

Growing Conditions and Special Circumstances

In general, growing conditions statewide ranged from average to excellent. All locations were planted in a timely manner. At the Union County location, heavy rains shortly after planting resulted in areas of standing water. This reduced stands and increased the variability of that test. The Fayette County and Logan County locations had well-distributed rainfall combined with below-average high temperatures producing excellent growing conditions. The Calloway County location had below-average rainfall and above-average temperatures in August. A statewide freeze October 8-9 killed many of the Maturity Group V cultivars prior to maturity. The Caldwell County double-crop test received little rainfall the first month after planting. In the double-crop test, few plots had matured prior to the October 9 freeze.

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 from this series below 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

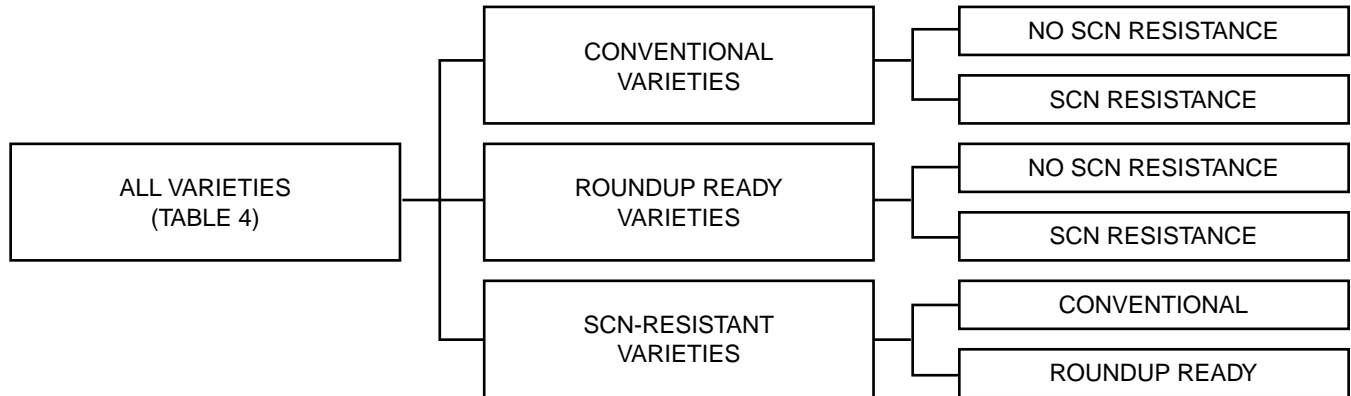
In addition to the county agents and farm cooperators mentioned in Table 1, Thomas R. Stefaniak, David Pilcher, Susan Leopold, Chad Grote, and David Shahan have contributed greatly to the production of this publication. Don Hershman, Extension Plant Pathologist at the University of Kentucky Research 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 poundPounds of Seed per Acre.....				
2000	80-110	85-105	78-104	70-87	65-80
2200	73-100	77-95	71-95	64-79	59-72
2400	66-93	71-88	65-87	58-73	54-66
2600	61-86	65-81	60-80	54-67	50-61
2800	57-80	61-75	56-75	50-62	46-56
3000	53-75	57-70	52-70	46-58	43-53
3200	50-70	53-66	49-65	44-54	41-49
3400	47-66	50-62	46-61	41-51	38-46
3600	44-62	47-58	44-58	39-48	36-44
3800	42-59	45-55	41-55	37-46	34-42
4000	40-56	43-53	39-52	35-44	33-40

Selection Key: <http://www.ca.uky.edu/agc/pubs/pr/pr435/pr435.pdf>

This feature of the 2000 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, if a soybean producer is interested in Roundup Ready SCN-resistant varieties, click the “Roundup Ready” box connected to the SCN variety box.



Sources of Seeds

The seed planted in the 2000 Soybean Performance Tests was acquired from the following sources:

Caverndale Farms Inc.

1921 Bluegrass Road
 Danville, KY 40422
 CAVERNDALE CF 461
 CAVERNDALE CF 465nRR
 CAVERNDALE CF 492

Delta and Pine Land Co.

P.O. Box 217
 Scott, MS 38772
 DELTAPINE DP4344RR
 DELTAPINE DP4690RR
 DELTAPINE SG498RR

Delta King Seed Co.

P.O. Box 970
 522 Poplar
 McCrory, AR 72101
 DELTA KING 4680
 DELTA KING 4711
 DELTA KING 4868 RR
 DELTA KING 5366 RR
 DELTA KING 5465 RR

Donley Seed Company

4796 Dildine Road
 Delaware, OH 43015
 AGVENTURE VARIETY# AV1468N
 AGVENTURE VARIETY# AV6468

Excel Brand

116 East State Street
 Camp Point, IL 62320
 EXCEL 8410NRR
 EXCEL 8510NRR

Gateway Seed Co.

5517 Van Buren Road
 Nashville, IL 62263
 GATEWAY 471
 GATEWAY 4R472
 GATEWAY 5R515

Golden Harvest

RR 3 Box 257
 Clinton, IL 61727
 GOLDEN HARVEST H-3983RR
 GOLDEN HARVEST H-4459STS
 GOLDEN HARVEST H-4516
 GOLDEN HARVEST H-4728RR
 GOLDEN HARVEST H-4755
 GOLDEN HARVEST H-4946RR

Great Lakes Hybrids

9915 W. M-21
 Ovid, MI 48866
 GREAT LAKES GL 4309 RR
 GREAT LAKES GL 4800 RR

Hornbeck Seed Co., Inc.

PO Box 472
 210 Drier Road
 DeWitt, AR 72042-0472
 HORNBECK HBK 4891
 HORNBECK HBK R4660
 HORNBECK HBK R4855
 HORNBECK HBK R4920
 HORNBECK HBK R5588

Kentucky American Seeds Inc.

205 Means Avenue
 P.O. Box 1104
 Hopkinsville, KY 42241-1104
 KAS CHEROKEE 516

Kentucky Foundation Seed Project

P.O. Box 11950
 Lexington, KY 40579
 ANAND
 CALHOUN
 CAVINESS
 DELSOY 5500
 HOLLADAY
 HUTCHESON
 INA
 MANOKIN
 PHARAOH
 REND
 STRESSLAND
 TROLL

Land O' Lakes Inc./Croplan Genetics

6555 Quince Road, Suite 202
 P.O. Box 171376
 Memphis, TN 38119
 CROPLAN GENETICS 466RR
 CROPLAN GENETICS 480RR
 CROPLAN GENETICS 556RR
 CROPLAN GENETICS 4979RR

LG Seeds/Callahan Seeds

122 East 169th Street
 Westfield, IN 46074
 LG SEEDS C4344N
 LG SEEDS C4350NRR
 LG SEEDS C9474
 LG SEEDS C9480RR
 LG SEEDS C9545RR

Miles Farm Supply Inc.

P.O. Box 22879
 Owensboro, KY 42304-2879
 SOUTHERN CROSS - AARON 4.5N - STS
 SOUTHERN CROSS - JAMES 4.1N
 SOUTHERN CROSS - JOSHUA 4.8
 SOUTHERN CROSS - SOLOMON 3.8 - RR
 SOUTHERN CROSS - TITUS 4.8N - RR

Monsanto Global Seed Group

3100 Sycamore Road
 Dekalb, IL 60115
 ASGROW AG 3901
 ASGROW AG 4301
 ASGROW AG 4324
 ASGROW AG 4403
 ASGROW AG 4604
 ASGROW AG 4702
 ASGROW AG 4902
 ASGROW AG 5001
 ASGROW AG 5501
 ASGROW AG 5701
 DEKALB CX444cRR
 DEKALB CXB414cRR
 DEKALB DKB44-51

Mycogen Seeds

1340 Corporate Center Curve
 P.O. Box 21428
 St. Paul, MN 55121-1428
 ATLAS BRAND MYCOGEN-5480NRR

Novartis Seed

535 Pennyrite Drive
 Madisonville, KY 42431
 NK BRAND S38-T8
 NK BRAND S40-C1
 NK BRAND S42-H1
 NK BRAND S43-B5
 NK BRAND S46-G2
 NK BRAND S53-Q7

Pioneer Hi-Bred Int. Inc.

6767 Old Madison Pike
 Suite 110
 Huntsville, AL 35086
 PIONEER VARIETY 93B82
 PIONEER VARIETY 93B84
 PIONEER VARIETY 9482
 PIONEER VARIETY 9492
 PIONEER VARIETY 94B01
 PIONEER VARIETY 94B45
 PIONEER VARIETY 94B53
 PIONEER VARIETY 95B32
 PIONEER VARIETY 95B33
 PIONEER VARIETY 95B53

Royster-Clark Inc.

70 North Market Street
 Mt. Sterling, OH 43143
 VIGORO V439NRR
 VIGORO V450NRR
 VIGORO V492NRR

Southern States Cooperative

P.O. Box 26234
 Richmond, VA 23260
 SOUTHERN STATES FFR-439
 SOUTHERN STATES FFR-493
 SOUTHERN STATES FFR-4985-ST5
 SOUTHERN STATES HT-381-ST5
 SOUTHERN STATES RT-386
 SOUTHERN STATES RT-446N
 SOUTHERN STATES RT-517N
 SOUTHERN STATES RT-540N
 SOUTHERN STATES RT-557N
 SOUTHERN STATES RT-560
 SOUTHERN STATES RT-3975
 SOUTHERN STATES RT-4495N
 SOUTHERN STATES RT-4980
 SOUTHERN STATES RT-5399
 SOUTHERN STATES RT-5609
 SOUTHERN STATES SS-3896-ST5
 SOUTHERN STATES SS-3971
 SOUTHERN STATES SS-4299N
 SOUTHERN STATES SS-4483N
 SOUTHERN STATES SS-5409N
 SOUTHERN STATES SS-RT-4098

Stine Seed Company

2225 Laredo Trail
 Adel, IA 50003-8240
 STINE 3763-4
 STINE 3800-4
 STINE 3870-0
 STINE 4001-4
 STINE 4199-2
 STINE 4212-4
 STINE 4402-4
 STINE 4702-2
 STINE 4790
 STINE 4802-4

United Agri Products Inc./UAP Mid-South

57 Germantown Court, Suite 200
 Cordova, IN 38018
 DYNA-GRO 3468N RR
 DYNA-GRO 3521N RR

UniSouth Genetics Inc.

2640-C Nolensville Road
 Nashville, TN 37211
 UNISOUTH GENETICS USG 7499
 UNISOUTH GENETICS USG 7489RR
 UNISOUTH GENETICS USG 7547RR

Novel Soybean Varieties**University of Illinois**

Dick Bernard
 Department of Crop Sciences
 AW-101 Turner Hall
 1102 South Goodwin Avenue
 Urbana, IL 61801-4798
 L91-1552 (natto)
 L96-5104 (natto)

Iowa State University

Julie Gustafson
 Committee for Agricultural Development
 133 Curtis Hall
 Ames, IA 50011-1050
 IA 2025 (triple null)
 IA 3011 (tofu)
 IA 4001 (natto)

Kansas State University

Bill Schapaugh
 Agronomy Department
 2004 Throckmorton Plant Sciences Center
 Manhattan, KS 66506-5501
 K 1431 (high protein)

University of Nebraska

George L. Graef
 Soybean Breeding & 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)

TABLE 3. COMPANY DISEASE-RESISTANCE SPECIFICATIONS FOR ENTRIES IN THE 2000 KENTUCKY SOYBEAN PERFORMANCE TESTS ^A

VARIETY / BRAND	RELATIVE MATURITY GROUP	SOYBEAN CYST		PHYTOPHTHORA SOJAE ^B		SUDDEN DEATH SYNDROME ^C	SOYBEAN MOSAIC VIRUS ^C	STEM CANKER ^C	OTHER REPORTED RESISTANCE
		NEMATODE RESISTANCE	RESISTANCE	FIELD TOLERANCE ^C	RESISTANCE GENE RPS				
AGVENTURE VARIETY# AV1468	4.6	3, 14							
- AGVENTURE VARIETY# AV6468	4.2				T				
P ANAND	5.7	3, 5, 14						MR	
- ASGROW AG 3901	3.9	3, MR-14			MS	MR			
- ASGROW AG 4301	4.3	3, 14			MS	MS			
ASGROW AG 4324	4.3								
- ASGROW AG 4403	4.4		1a		MS	MS		MR	
ASGROW AG 4604	4.6	3, 14			MT	MR		R	
- ASGROW AG 4702	4.7	3, 14			MT	MS		MR	
- ASGROW AG 4902	4.9	3, MR-14	1k		MT	MR		R	
- ASGROW AG 5001	5.0				MT	MS		R	
- ASGROW AG 5501	5.5	3,			MT	MR		R	
- ASGROW AG 5701	5.7	3			MS	MR		MR	
- ATLAS BRAND MYCOGEN-5480NRR	4.8	3, 14			MT	MR			
P CALHOUN	4.4		RACE 1						
CAVERNDALE CF 461	4.6		RACE 7						
- CAVERNDALE CF 465nRR	4.6	3, 14			MT	MR			MR-FROGEYE LEAFSPOT
CAVERNDALE CF 492	4.9						R	R	
P CAVINESS**	5.7	3, 14			MT	MR		R	
- CROPLAN GENETICS 466RR	4.6	3, 14			T	MR	R	R	
- CROPLAN GENETICS 480RR	4.8	3, MR-14			T			R	
- CROPLAN GENETICS 4979RR	4.9				T			R	
- CROPLAN GENETICS 556RR	5.5	3, 14			T	S	R	R	
- DEKALB CX414cRR	4.1	3			MS	MR		MR	MR-FROGEYE, MR-BROWN STEM ROT
- DEKALB CX444cRR	4.4	3, 14	S		MS				
- DEKALB DKB44-51	4.4		1a		MS	MS		MR	
P DELSOY 5500	5.5	3, 14							
DELTA KING 4680	4.6								
DELTA KING 4711	4.7					MR		MR	MR-FROGEYE LEAFSPOT
- DELTA KING 4868 RR	4.8		1a		T	MR			MR-FROGEYE LEAFSPOT
- DELTA KING 5366 RR	5.3	3, 14	1c		MT				MR-FROGEYE LEAFSPOT
- DELTA KING 5465 RR	5.4	3, 14	1k		MT				MR-FROGEYE LEAFSPOT
- DPL DP4344RR	4.3				T	MR	S	R	MR-FROGEYE LEAFSPOT
- DPL DP4690RR	4.6				T	R	S	R	
- DPL SG498RR	4.9				T			R	
- DYNA-GRO 3468N RR	4.6	3, 14			MT	R		R	MR-FROGEYE LEAFSPOT
- DYNA-GRO 3521N RR	5.2	3, 14			T	MR		MR	R-ROOT KNOT NEMATODE
- EXCEL 8410NRR	4.1	MR-3			MT	MR		MR	MR-FROGEYE LEAFSPOT
- EXCEL 8510NRR	5.1	3, MR-4 & 14			MT	MR		MR	MR-FROGEYE LEAFSPOT
NS FG 1 (tofu type)	3.0								
GATEWAY 471	4.7	3, 14			MT	MR	S	S	
- GATEWAY 4R472	4.7				MT	MR	S	S	
- GATEWAY 5R515	5.1	3, 4, 14			MT	MR	S	MR	
- GOLDEN HARVEST H-3983RR	3.9		1a		MT	MR			
GOLDEN HARVEST H-4459STS	4.4	3, 14				MR			
GOLDEN HARVEST H-4516	4.5	3							
- GOLDEN HARVEST H-4728RR	4.7	3				MR			MR-FROGEYE LEAFSPOT
GOLDEN HARVEST H-4755	4.7					MR		MR	
- GOLDEN HARVEST H-4946RR	4.9	3, 14				MR			
- GREAT LAKES GL 4309 RR	4.3	3, 14			MT	MR	S	S	
- GREAT LAKES GL 4800 RR	4.8				MT	MR	S	S	
P HOLLADAY	5.5							MR	
HORNBECK HBK 4891	4.7				T	MR		R	
- HORNBECK HBK R4660	4.0	3, MR-14			T	MR		R	
- HORNBECK HBK R4855	4.7				T	MR		R	
- HORNBECK HBK R4920	4.9				T			R	
- HORNBECK HBK R5588	5.5	3, MR-14	1c			MR		R	
P HUTCHESON	5.4						R	R	R-PEANUT STUNT VIRUS
NS IA 2025 (triple null)	2.0								
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								
KAS CHEROKEE 516	5.1	3			MT				R-BROWN STALK ROT
NS L91-1552 (natto type)	3.5								
NS L96-5104 (natto type)	4.5								
LG SEEDS C4344N	4.3	3	1c		T	MR			
- LG SEEDS C4350NRR	4.3	3			T	MR			
LG SEEDS C9474	4.7				MT	R			
- LG SEEDS C9480RR	4.8				MT	R			
- LG SEEDS C9545RR	5.4		1c		MT				
P MANOKIN	4.9	3				MR		R	MR-ROOT KNOT NEMATODE
NS NE 3396 (high protein, high yield)	3.3								
NK BRAND S38-T8	3.8	3, 14	1c		MT	MR		R	
NK BRAND S40-C1	4.0				MS	MR		R	STS

TABLE 3. COMPANY DISEASE-RESISTANCE SPECIFICATIONS FOR ENTRIES IN THE 2000 KENTUCKY SOYBEAN PERFORMANCE TESTS ^A (continued)

VARIETY / BRAND	RELATIVE MATURITY GROUP	SOYBEAN CYST		PHYTOPHTHORA SOJAE ^B		SUDDEN DEATH SYNDROME ^C	SOYBEAN MOSAIC VIRUS ^C	STEM CANKER ^C	OTHER REPORTED RESISTANCE
		NEMATODE RESISTANCE	RESISTANCE	RESISTANCE GENE RPS	FIELD TOLERANCE ^C				
NK BRAND S42-H1	4.2	3, 14			MT	MR		R	
NK BRAND S43-B5	4.3			1c	T	MR		R	
- NK BRAND S46-G2	4.6	3, 14			MT	R		R	
- NK BRAND S53-Q7	5.3	3, 9, 14			MT	MR		R	
P PHARAOH	4.7	3							
PIONEER VARIETY 93B82	3.8			1k	MT	MR			
- PIONEER VARIETY 93B84	3.8			1k	MS	MS			
PIONEER VARIETY 94B2	4.8				MT	MS			MR-FROGEYE LEAFSPOT
- PIONEER VARIETY 9492	4.9	3, 14			MT	MS			MR-FROGEYE LEAFSPOT
- PIONEER VARIETY 94B01	4.1	3, 14			MS	MS			
- PIONEER VARIETY 94B45	4.4	MR-3, 14		1k	MT	MR			
PIONEER VARIETY 94B53	4.5	3, MR-14			MT	MR			MR-FROGEYE LEAFSPOT
- PIONEER VARIETY 95B32	5.3	3, MR-14			MS	MS	MR		MR-FROGEYE, MS-ROOT-KNOT
PIONEER VARIETY 95B33	5.3	3, MR-14			MS	MS			MR-FROGEYE LEAFSPOT
- PIONEER VARIETY 95B53	5.5	3, MR-14			MT	MR	MR		MS-FROGEYE, MS-ROOT-KNOT
NS PIONEER VARIETY P9305 (tofu type)	3.0								
P REND	4.4	3, 4							
SOUTHERN CROSS-AARON 4.5N STS	4.5	3, 14			MS	MS			STS
SOUTHERN CROSS-JAMES 4.1N	4.1	3, 14			S	MS			
SOUTHERN CROSS-JOSHUA 4.8	4.8				S	MS			
- 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 RT-5399	5.3						MR		
- SOUTHERN STATES RT-5609	5.6					MR		R	
SOUTHERN STATES SS-5409N	5.4	3, 14				MR		R	
SOUTHERN STATES FFR-439	4.3				T				
SOUTHERN STATES FFR-493	4.9				T				
SOUTHERN STATES FFR-4985-ST5	4.9				T				
SOUTHERN STATES HT-381-ST5	3.8				T				
- SOUTHERN STATES RT-386	3.8				T				
- SOUTHERN STATES RT-3975	3.9				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	MR			
- SOUTHERN STATES RT-517N	5.1	3, 14						MR	
- SOUTHERN STATES RT-540N	5.4	3, 14						MR	
- SOUTHERN STATES RT-557N	5.5	3, 14						MR	
- SOUTHERN STATES RT-560	5.6				T				
SOUTHERN STATES SS-3896-ST5	3.8				T				
SOUTHERN STATES SS-3971	3.9				T				
SOUTHERN STATES SS-4299N	4.2	3, 14			T				
SOUTHERN STATES SS-4483N	4.4	3, 14			T				
- SOUTHERN STATES SS-RT-4098	4.0				T				
- STINE 3763-4	3.7			1k					
- STINE 3800-4	3.8			1a					
STINE 3870-0	3.8			1a					
- STINE 4001-4	4.0			1a					
STINE 4199-2	4.1	3, 14		1a					
- STINE 4212-4	4.2	3, 14							
- STINE 4402-4	4.6	3, 14							
STINE 4702-2	4.7	3, 14							
STINE 4790	4.7								
- STINE 4802-4	4.8	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 7489RR	4.8					MR			
UNISOUTH GENETICS USG 7499	4.9							R	
- UNISOUTH GENETICS USG 7547RR	5.4								
- VIGORO V439NRR	4.3	3, 14			T	MR			
- VIGORO V450NRR	4.5	3, 14		1k	MT				
- VIGORO V492NRR	4.9	3, 14			MT	MR			

- 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.

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

B All races of Phytophthora sojae so far identified in Kentucky can be controlled by 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.

C blank spaces=no data provided by seed company

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

TABLE 4. SUMMARY: VARIETY TEST TABLES 5-10

VARIETY / BRAND	YIELD (BU/AC) ^A			LODGING		
	2000	99-00	98-00	2000	99-00	98-00
EARLY (GROUP III)						
STINE 3870-0	65.6			1.8		
PIONEER VARIETY 93B82	64.9	57.2		1.6	1.9	
~ STINE 3800-4	60.8			1.6		
~ STINE 3763-4	60.5			1.3		
~ GOLDEN HARVEST H-3983RR	60.4			1.5		
~ PIONEER VARIETY 93B84	59.7	51.4		1.4	1.5	
SOUTHERN STATES SS-3971	59.4			1.7		
~ SOUTHERN CROSS-SOLOMON 3.8-RR	58.9			1.6		
SOUTHERN STATES SS-3896-STS	57.5			1.5		
~ ASGROW AG 3901**	56.1	49.8		1.8	2.0	
SOUTHERN STATES HT-381-STS	55.4	49.0	47.5	1.8	2.0	2.3
NK BRAND S38-T8**	55.2			1.6		
NS NE 3396 (high protein, high yield)	55.1			1.8		
~ SOUTHERN STATES RT-386	54.1	47.8		1.8	2.0	
NS U97-207427 (high protein, high yield)	53.6			1.6		
~ SOUTHERN STATES RT-3975	53.2	46.6		1.6	1.7	
NS FG 1 (tofu type)	51.4			1.4		
NS PIONEER VARIETY P9305 (tofu type)	51.4			1.4		
NS L91-1552 (natto type)	48.8			2.0		
NS IA 2025 (triple null)	48.1			1.2		
NS IA 3011 (tofu type)	47.4			1.6		
NS U95-3813 (natto type)	46.6			1.2		
GROUP III AVERAGE	55.6	50.3		1.6	1.9	
LSD (0.10)	3.3	2.3		0.2	0.2	
MID-SEASON (GROUP IV)						
SOUTHERN STATES FFR-439	63.9	56.7	54.5	1.7	1.7	2.0
PIONEER VARIETY 94B53**	62.6	55.2		1.8	1.8	
NK BRAND S43-B5	62.3	55.4	55.1	1.5	1.8	2.2
SOUTHERN CROSS-AARON 4.5N-STS**	62.2			1.8		
LG SEEDS C9474	62.1	54.9		2.1	2.2	
NK BRAND S40-C1	62.0			1.5		
GOLDEN HARVEST H-4459STS**	61.7	56.7		1.9	2.0	
DELTA KING 4680	61.7			1.8		
STINE 4702-2**	61.1	54.1		1.9	2.0	
DELTA KING 4711	61.0			2.0		
CAVERNDAL CF 492	60.9	53.5	51.8	1.7	1.9	2.0
~ DPL DP4690RR	60.8			1.8		
~ DYNA-GRO 3468N RR**	60.7	54.8		1.5	1.7	
SOUTHERN STATES FFR-493	60.7	53.0	51.3	1.7	1.7	1.8
PIONEER VARIETY 9482	60.7	53.4	52.5	1.9	1.9	2.2
GATEWAY 471**	60.2			2.0		
~ GATEWAY 4R472	59.8			2.0		
STINE 4790	59.7	52.9		1.8	2.0	
~ CROPLAN GENETICS 480RR**	59.6	53.4		1.8	2.0	
ASGROW AG 4324	59.4			1.6		
~ ASGROW AG 4403	59.2			1.5		
P TROLL	59.1	52.6		1.3	1.3	
~ SOUTHERN STATES SS-RT-4098	59.0			1.6		
GOLDEN HARVEST H-4755	59.0			1.8		
ASGROW AG 4604**	58.6	52.9	51.2	1.9	2.1	2.4
~ STINE 4001-4	58.6	52.9		1.6	1.9	
~ DELTA KING 4868 RR	58.5	52.8		1.5	1.7	
SOUTHERN STATES SS-4483N**	58.5			1.7		
SOUTHERN STATES SS-4299N**	58.3			1.6		
~ EXCEL 8410NRR*	58.2			1.6		
~ STINE 4402-4**	58.2			1.8		

(continued on next page)

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

VARIETY / BRAND	YIELD (BU/AC) ^A			LOGGING		
	2000	99-00	98-00	2000	99-00	98-00
P STRESSLAND	58.0	52.7	52.0	1.8	2.0	2.3
P REND**	57.9	52.6		2.2	2.3	
~ SOUTHERN CROSS-TITUS 4.8N-RR**	57.6			1.7		
NK BRAND S42-H1**	57.5			1.6		
~ LG SEEDS C9480RR	57.4	50.5		1.9	2.0	
~ GOLDEN HARVEST H-4728RR*	57.4			1.9		
~ STINE 4212-4**	57.1			1.4		
~ AGVENTURE VARIETY# AV6468	57.0			1.5		
LG SEEDS C4344N*	57.0			1.5		
~ GREAT LAKES GL 4800 RR	56.9			1.8		
~ ASGROW AG 4301**	56.8	51.9		1.5	1.7	
GOLDEN HARVEST H-4516*	56.6	52.6		1.8	1.9	
P MANOKIN*	56.6	48.8	45.5	2.5	2.5	2.7
~ ATLAS BRAND MYCOGEN-5480NRR**	56.6			1.9		
UNISOUTH GENETICS USG 7499	56.4	49.2	46.6	1.8	1.9	2.1
~ VIGORO V450NRR**	56.4			1.8		
~ HORNBECK HBK R4920	56.3			2.1		
~ ASGROW AG 4902**	56.1	50.9		1.8	1.9	
HORNBECK HBK 4891	56.1	51.6		1.7	1.9	
~ DPL SG498RR	56.0			1.6		
~ ASGROW AG 4702**	55.9	50.6		1.6	1.7	
AGVENTURE VARIETY# AV1468**	55.7			1.8		
~ GREAT LAKES GL 4309 RR**	55.6			1.4		
~ NK BRAND S46-G2**	55.4			1.7		
~ PIONEER VARIETY 9492**	55.2	50.2	48.1	1.6	1.8	1.9
~ LG SEEDS C4350NRR*	55.1			1.4		
CAVERNDALE CF 461	55.0	49.1	49.7	1.9	1.9	2.3
STINE 4199-2**	55.0			1.6		
~ SOUTHERN STATES RT-4980	55.0			1.7		
~ GOLDEN HARVEST H-4946RR**	55.0			1.9		
~ DEKALB CX444cRR**	54.9	49.5		1.6	1.7	
SOUTHERN CROSS-JAMES 4.1N**	54.7	49.3		1.8	2.0	
~ SOUTHERN STATES RT-446N*	54.7	49.5		1.7	1.8	
SOUTHERN STATES FFR-4985-STS	54.6	47.8	43.8	3.0	2.8	3.1
SOUTHERN CROSS-JOSHUA 4.8	54.6			1.9		
~ PIONEER VARIETY 94B01**	54.4	49.2	49.6	1.4	1.5	1.8
~ SOUTHERN STATES RT-4495N**	54.3	49.8		1.2	1.4	
~ VIGORO V492NRR**	54.3			1.7		
~ DEKALB DKB44-51	54.2			1.3		
~ STINE 4802-4**	54.2			1.8		
~ DEKALB CX414cRR*	54.1	48.2		1.8	1.9	
~ UNISOUTH GENETICS USG 7489RR	53.9			1.8		
NS L96-5104 (natto type)	53.6			1.9		
~ PIONEER VARIETY 94B45**	53.5			1.5		
~ HORNBECK HBK R4660**	53.3	48.1		1.8	1.8	
~ VIGORO V439NRR**	53.0			1.5		
~ CROPLAN GENETICS 466RR**	52.7	46.7		1.9	1.8	
P INA**	52.7	47.2		2.4	2.4	
~ CAVERNDALE CF 465nRR**	52.5	46.9		1.6	1.7	
~ DPL DP4344RR	52.1	46.5		2.1	2.1	
~ HORNBECK HBK R4855	51.7	47.2		1.6	1.8	
P CALHOUN	49.9	44.7	46.3	1.2	1.3	1.5
P PHARAOH*	49.5	45.2	43.5	1.8	1.8	2.1
NS IA 4001 (natto type)	48.8			2.8		
NS K 1431 (high protein)	48.6			2.5		
~ CROPLAN GENETICS 4979RR	44.9			2.6		
GROUP IV AVERAGE	56.7	51.0	49.4	1.8	1.9	2.2
LSD (0.10)	3.2	2.5	2.2	0.2	0.2	0.2

(continued on next page)

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

VARIETY / BRAND	YIELD (BU/AC) ^A			LODGING		
	2000	99-00	98-00	2000	99-00	98-00
LATE (GROUP V)						
~ ASGROW AG 5001	56.9	49.0		1.8	1.9	
PIONEER VARIETY 95B33**	56.5			2.0		
~ DELTA KING 5465 RR**	54.5			1.9		
~ SOUTHERN STATES RT-517N**	54.3	46.1		2.3	2.1	
P HUTCHESON	54.3	47.6	46.8	2.3	2.2	2.5
P HOLLADAY	54.3	46.9	47.6	2.2	2.2	2.5
~ PIONEER VARIETY 95B32**	54.1	45.9		1.9	1.9	
~ ASGROW AG 5501*	54.1			2.1		
KAS CHEROKEE 516*	53.9	45.4	44.4	1.8	1.8	2.1
~ EXCEL 8510NRR**	52.4	45.1		1.8	1.8	
P DELSOY 5500**	52.3			2.4		
SOUTHERN STATES SS-5409N**	52.0			2.1		
~ DYNA-GRO 3521N RR**	51.6			1.9		
P ANAND**	50.2	43.3	43.6	1.8	1.7	2.1
~ PIONEER VARIETY 95B53**	49.1			2.7		
~ SOUTHERN STATES RT-540N**	48.8	43.5		2.3	2.1	
~ SOUTHERN STATES RT-5399	48.8			3.0		
~ SOUTHERN STATES RT-5609	48.3			2.5		
~ UNISOUTH GENETICS USG 7547RR	48.0	41.5		2.4	2.3	
~ SOUTHERN STATES RT-560	47.8	41.6		2.3	2.2	
P CAVINESS**	47.8	42.9		3.3	2.8	
~ DELTA KING 5366 RR**	47.1			3.2		
~ GATEWAY 5R515**	46.8	40.1		2.3	2.2	
~ LG SEEDS C9545RR	46.5			2.5		
~ SOUTHERN STATES RT-557N**	46.0	40.0		2.9	2.6	
~ CROPLAN GENETICS 556RR**	44.6	40.2		2.3	2.1	
~ HORNBECK HBK R5588**	44.5	39.0		2.9	2.7	
~ ASGROW AG 5701*	44.0			3.1		
~ NK BRAND S53-Q7**	43.5	38.7		2.3	2.1	
GROUP V AVERAGE	50.1	43.3	45.6	2.4	2.2	2.3
LSD (0.10)	2.7	2.5	2.3	0.2	0.2	0.2
GRAND MEAN	55.1	48.9	48.6	1.9	2.0	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)

A 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 5. 2000 CALDWELL CO. CONVENTIONAL VARIETY TEST ^A

VARIETY / BRAND	YIELD (BU/AC) ^B 2000	LODGING 2000	PLANT HEIGHT (IN) 2000	MATURITY DATE 2000
EARLY (GROUP III)				
STINE 3870-0	77.7	1.5	41	9/19
~ STINE 3800-4	73.5	1.0	41	9/22
~ GOLDEN HARVEST H-3983RR	71.1	1.0	36	9/22
PIONEER VARIETY 93B82	71.0	1.5	36	9/17
NK BRAND S38-T8**	69.9	1.0	46	9/18
~ SOUTHERN CROSS-SOLOMON 3.8-RR	67.6	1.0	39	9/21
~ STINE 3763-4	67.4	1.0	40	9/16
SOUTHERN STATES SS-3971	66.1	1.0	40	9/19
NS FG 1 (tofu type)	65.0	1.0	32	9/12
~ PIONEER VARIETY 93B84	64.6	1.0	39	9/18
SOUTHERN STATES HT-381-STS	64.5	1.5	44	9/17
SOUTHERN STATES SS-3896-STS	61.1	1.0	37	9/14
~ ASGROW AG 3901**	60.9	1.0	40	9/21
NS NE 3396 (high protein, high yield)	60.6	2.5	34	9/12
~ SOUTHERN STATES RT-386	59.3	1.0	45	9/22
NS L91-1552 (natto type)	57.9	3.0	31	9/16
NS IA 2025 (triple null)	57.2	1.0	33	9/8
~ SOUTHERN STATES RT-3975	57.2	1.0	41	9/19
NS PIONEER VARIETY P9305 (tofu type)	55.7	1.0	34	9/12
NS U95-3813 (natto type)	52.3	1.0	20	9/7
NS U97-207427 (high protein, high yield)	51.4	1.5	33	9/11
NS IA 3011 (tofu type)	48.9	1.5	29	9/7
GROUP III AVERAGE	62.8	1.3	37	9/16
LSD (0.10)	8.8	0.6	3	
MID-SEASON (GROUP IV)				
DELTA KING 4680	76.1	1.0	41	10/4
~ CROPLAN GENETICS 480RR**	75.3	1.0	41	10/2
STINE 4790	74.6	1.0	40	10/3
~ ASGROW AG 4702**	71.8	1.0	41	10/4
SOUTHERN STATES FFR-493	71.8	1.0	48	10/3
GATEWAY 471**	71.8	1.0	44	10/2
~ DYNA-GRO 3468N RR**	71.6	1.0	40	10/3
~ SOUTHERN CROSS-TITUS 4.8N-RR**	71.3	1.0	44	10/3
SOUTHERN STATES SS-4299N**	71.1	1.0	40	9/20
STINE 4702-2**	70.8	1.0	45	10/2
CAVERNDALE CF 492	70.8	1.0	35	10/4
SOUTHERN CROSS-AARON 4.5N-STS**	70.7	1.0	42	9/22
PIONEER VARIETY 94B53**	70.4	1.0	42	9/23
HORNBECK HBK 4891	69.4	1.0	44	9/21
~ VIGORO V492NRR**	69.1	1.0	49	10/3
ASGROW AG 4604**	68.9	1.0	44	9/26
GOLDEN HARVEST H-4459STS**	68.6	1.0	42	9/23
SOUTHERN STATES FFR-439	68.5	1.0	46	9/23
SOUTHERN STATES FFR-4985-STS	67.7	3.5	44	FROST
~ ASGROW AG 4301**	67.7	1.0	41	9/28
~ GOLDEN HARVEST H-4946RR**	67.4	1.0	48	10/2
NK BRAND S43-B5	67.0	1.0	40	9/21
~ DPL DP4690RR	66.6	1.0	44	9/29
GOLDEN HARVEST H-4755	66.6	1.0	46	9/29
~ STINE 4212-4**	66.5	1.0	42	9/18
~ ASGROW AG 4902**	65.9	1.0	41	10/1
PIONEER VARIETY 9482	65.9	1.0	43	9/28
~ STINE 4402-4**	65.7	1.0	41	9/24
P MANOKIN*	65.6	3.0	40	10/5
AGVENTURE VARIETY# AV1468**	65.6	1.0	42	9/23

(continued on next page)

TABLE 5. 2000 CALDWELL CO. CONVENTIONAL VARIETY TEST^A (continued)

VARIETY / BRAND	YIELD (BU/AC) ^B 2000	LODGING 2000	PLANT HEIGHT (IN) 2000	MATURITY DATE 2000
NK BRAND S42-H1**	65.4	1.0	41	9/23
UNISOUTH GENETICS USG 7499	64.9	1.0	41	10/3
ASGROW AG 4324	64.7	1.0	40	9/20
SOUTHERN CROSS-JAMES 4.1N**	64.6	1.0	42	9/20
~ STINE 4001-4	64.4	1.0	38	9/19
~ LG SEEDS C9480RR	64.1	1.0	42	9/29
~ SOUTHERN STATES SS-RT-4098	64.1	1.0	42	9/19
DELTA KING 4711	63.6	1.0	42	9/24
~ PIONEER VARIETY 9492**	63.4	1.0	40	9/27
~ STINE 4802-4**	63.3	1.0	42	10/1
GOLDEN HARVEST H-4516*	62.9	1.0	42	9/21
NK BRAND S40-C1	62.7	1.0	38	9/19
~ PIONEER VARIETY 94B01**	61.6	1.0	39	9/18
~ GATEWAY 4R472	61.5	1.5	46	9/28
~ DPL SG498RR	61.3	1.0	39	10/4
~ GOLDEN HARVEST H-4728RR*	61.3	1.0	39	9/21
SOUTHERN STATES SS-4483N**	61.1	1.0	46	9/22
~ DEKALB CX444cRR**	61.0	1.0	41	9/30
SOUTHERN CROSS-JOSHUA 4.8	61.0	1.0	45	9/26
P REND**	60.6	1.5	42	9/18
CAVERNDALE CF 461	60.5	1.0	44	9/23
~ ASGROW AG 4403	60.4	1.0	41	9/21
~ SOUTHERN STATES RT-4980	60.4	1.0	44	9/28
P TROLL	60.2	1.0	23	9/18
~ AGVENTURE VARIETY# AV6468	59.9	1.0	44	9/22
~ EXCEL 8410NRR*	59.7	1.0	39	9/21
P PHARAOH*	59.5	1.0	39	10/3
~ ATLAS BRAND MYCOGEN-5480NRR**	59.5	1.0	44	10/3
~ VIGORO V450NRR**	59.3	1.0	41	9/24
LG SEEDS C9474	59.1	1.0	45	9/23
NS IA 4001 (natto type)	58.9	3.5	37	9/13
~ DELTA KING 4868 RR	58.7	1.0	40	9/29
~ SOUTHERN STATES RT-4495N**	58.5	1.0	35	9/22
~ GREAT LAKES GL 4309 RR**	58.5	1.0	39	9/29
~ GREAT LAKES GL 4800 RR	58.0	1.0	45	9/27
STINE 4199-2**	57.7	1.0	44	9/24
~ LG SEEDS C4350NRR*	57.6	1.0	39	9/19
~ SOUTHERN STATES RT-446N*	57.4	1.0	44	9/25
~ DEKALB CX414cRR*	57.0	1.0	46	9/20
NS L96-5104 (natto type)	56.8	1.0	38	9/16
~ HORNBECK HBK R4660**	56.0	1.0	45	10/2
P STRESSLAND	56.0	1.0	41	9/20
P CALHOUN	55.9	1.0	19	9/19
~ DPL DP4344RR	55.8	1.0	46	9/30
~ NK BRAND S46-G2**	55.7	1.0	44	9/25
~ VIGORO V439NRR**	54.9	1.0	41	9/22
~ DEKALB DKB44-51	54.1	1.0	39	9/20
~ PIONEER VARIETY 94B45**	53.9	1.0	47	9/22
P INA**	53.3	2.5	46	9/18
~ CROPLAN GENETICS 466RR**	53.0	1.0	46	9/30
~ HORNBECK HBK R4920	53.0	2.0	45	9/27
~ HORNBECK HBK R4855	52.1	1.0	43	9/23
~ CROPLAN GENETICS 4979RR	52.1	2.5	49	10/5
LG SEEDS C4344N*	52.1	1.0	37	9/19
NS K 1431 (high protein)	51.4	2.0	44	9/20
~ CAVERNDALE CF 465nRR**	50.5	1.0	48	9/30
~ UNISOUTH GENETICS USG 7489RR	50.2	1.0	44	9/26
GROUP IV AVERAGE	62.4	1.1	42	9/25
LSD (0.10)	8.5	0.4	2	

(continued on next page)

TABLE 5. 2000 CALDWELL CO. CONVENTIONAL VARIETY TEST^A (continued)

VARIETY / BRAND	YIELD (BU/AC) ^B 2000	LODGING 2000	PLANT HEIGHT (IN) 2000	MATURITY DATE 2000
LATE (GROUP V)				
P HUTCHESON	74.5	1.0	40	10/8
P HOLLADAY	72.9	1.5	36	10/8
~ SOUTHERN STATES RT-517N**	70.1	2.0	43	10/5
~ ASGROW AG 5501*	68.6	2.0	42	FROST
~ GATEWAY 5R515**	68.2	2.0	45	FROST
~ ASGROW AG 5001	66.1	1.0	41	10/4
KAS CHEROKEE 516*	65.2	1.0	39	10/8
P ANAND**	65.0	1.0	37	FROST
PIONEER VARIETY 95B33**	65.0	1.0	39	10/8
~ DELTA KING 5465 RR**	63.8	1.0	42	FROST
~ PIONEER VARIETY 95B53**	63.3	2.0	39	FROST
P DELSOY 5500**	62.8	1.0	41	10/8
~ UNISOUTH GENETICS USG 7547RR	62.3	2.0	42	FROST
~ SOUTHERN STATES RT-560	61.7	1.5	42	FROST
~ PIONEER VARIETY 95B32**	61.4	1.0	38	10/5
~ EXCEL 8510NRR**	61.1	1.0	44	10/8
~ SOUTHERN STATES RT-5399	59.8	4.0	41	FROST
P CAVINESS**	59.7	4.0	39	FROST
~ DELTA KING 5366 RR**	57.6	4.0	41	FROST
~ ASGROW AG 5701*	57.2	3.5	45	FROST
SOUTHERN STATES SS-5409N**	56.4	2.0	40	FROST
~ CROPLAN GENETICS 556RR**	55.8	1.0	42	FROST
~ SOUTHERN STATES RT-540N**	55.5	2.0	42	FROST
~ DYNA-GRO 3521N RR**	54.8	1.0	42	FROST
~ SOUTHERN STATES RT-5609	54.5	2.5	42	FROST
~ SOUTHERN STATES RT-557N**	52.1	3.5	44	FROST
~ HORNBECK HBK R5588**	52.1	4.0	42	FROST
~ NK BRAND S53-Q7**	51.8	1.5	43	10/8
~ LG SEEDS C9545RR	51.8	2.0	44	FROST
GROUP V AVERAGE	61.1	2.0	41	10/7
LSD (0.10)	7.3	0.7	3	
GRAND MEAN	62.2	1.3	41	

~ 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)

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

B 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. 2000 CALLOWAY CO. CONVENTIONAL VARIETY TEST ^A

VARIETY / BRAND	YIELD (BU/AC) ^B 2000	LODGING 2000
EARLY (GROUP III)		
~ ASGROW AG 3901**	45.0	1.0
PIONEER VARIETY 93B82	44.7	1.0
STINE 3870-0	42.4	1.0
SOUTHERN STATES SS-3971	41.4	1.0
~ PIONEER VARIETY 93B84	40.0	1.0
~ SOUTHERN STATES RT-386	37.7	1.0
~ STINE 3800-4	37.6	1.0
SOUTHERN STATES SS-3896-STS	37.2	1.0
NS NE 3396 (high protein, high yield)	36.7	1.0
NS L91-1552 (natto type)	36.3	1.0
NK BRAND S38-T8**	34.4	1.0
~ STINE 3763-4	33.9	1.0
~ GOLDEN HARVEST H-3983RR	33.9	1.0
~ SOUTHERN CROSS-SOLOMON 3.8-RR	33.0	1.0
~ SOUTHERN STATES RT-3975	32.9	1.0
NS FG 1 (tofu type)	31.1	1.0
SOUTHERN STATES HT-381-STS	31.0	1.0
NS U95-3813 (natto type)	28.7	1.0
NS PIONEER VARIETY P9305 (tofu type)	25.9	1.0
NS U97-207427 (high protein, high yield)	25.9	1.0
NS IA 3011 (tofu type)	23.5	1.0
NS IA 2025 (triple null)	22.4	1.0
GROUP III AVERAGE	34.3	1.0
LSD (0.10)	6.0	
MID-SEASON (GROUP IV)		
NK BRAND S40-C1	52.5	1.0
SOUTHERN STATES FFR-439	51.1	1.0
~ GREAT LAKES GL 4800 RR	50.8	1.0
STINE 4790	48.0	1.0
PIONEER VARIETY 94B53**	47.8	1.0
SOUTHERN STATES FFR-4985-STS	47.5	1.0
SOUTHERN STATES FFR-493	47.5	1.0
DELTA KING 4711	47.1	1.0
GOLDEN HARVEST H-4459STS**	46.6	1.0
~ GATEWAY 4R472	46.6	1.0
LG SEEDS C4344N*	46.1	1.0
~ LG SEEDS C9480RR	45.7	1.0
LG SEEDS C9474	45.2	1.0
CAVERNDALE CF 492	45.2	1.0
GATEWAY 471**	44.3	1.0
NK BRAND S43-B5	44.2	1.0
~ DELTA KING 4868 RR	43.3	1.0
~ DYNA-GRO 3468N RR**	42.9	1.0
STINE 4702-2**	42.8	1.0
P MANOKIN*	42.4	1.0
DELTA KING 4680	41.9	1.0
~ DPL DP4690RR	41.9	1.0
~ GOLDEN HARVEST H-4728RR*	41.9	1.0
NS L96-5104 (natto type)	41.4	1.0
CAVERNDALE CF 461	41.0	1.0
~ VIGORO V439NRR**	41.0	1.0
~ LG SEEDS C4350NRR*	40.5	1.0
ASGROW AG 4604**	40.0	1.0
GOLDEN HARVEST H-4755	40.0	1.0
~ HORNBECK HBK R4660**	39.6	1.0
PIONEER VARIETY 9482	39.6	1.0

(continued on next page)

TABLE 6. 2000 CALLOWAY CO. CONVENTIONAL VARIETY TEST^A (continued)

VARIETY / BRAND	YIELD (BU/AC) ^B 2000	LODGING 2000
~ AGVENTURE VARIETY# AV6468	39.6	1.0
P TROLL	39.5	1.0
~ SOUTHERN STATES SS-RT-4098	39.5	1.0
~ SOUTHERN STATES RT-4980	39.5	1.0
~ EXCEL 8410NRR*	39.5	1.0
~ HORNBECK HBK R4920	39.5	1.0
~ UNISOUTH GENETICS USG 7489RR	39.5	1.0
~ SOUTHERN STATES RT-4495N**	39.1	1.0
~ CAVERNDAL CF 465nRR**	38.1	1.0
~ SOUTHERN STATES SS-4299N**	37.7	1.0
ASGROW AG 4324	37.6	1.0
~ ASGROW AG 4403	37.6	1.0
P REND**	37.2	1.0
~ DPL SG498RR	37.2	1.0
~ GOLDEN HARVEST H-4946RR**	37.2	1.0
~ SOUTHERN CROSS-AARON 4.5N-STs**	37.2	1.0
~ ASGROW AG 4301**	36.7	1.0
~ ASGROW AG 4702**	36.7	1.0
HORNBECK HBK 4891	36.7	1.0
~ STINE 4212-4**	36.7	1.0
~ VIGORO V450NRR**	36.2	1.0
GOLDEN HARVEST H-4516*	35.8	1.0
~ DEKALB DKB44-51	35.8	1.0
~ NK BRAND S46-G2**	35.8	1.0
~ SOUTHERN STATES RT-446N*	35.6	1.0
~ VIGORO V492NRR**	35.3	1.0
~ SOUTHERN CROSS-JOSHUA 4.8	35.3	1.0
~ CROPLAN GENETICS 4979RR	34.4	1.0
~ GREAT LAKES GL 4309 RR**	34.4	1.0
~ STINE 4402-4**	34.3	1.0
~ STINE 4802-4**	34.3	1.0
~ SOUTHERN CROSS-JAMES 4.1N**	33.9	1.0
~ DPL DP4344RR	33.9	1.0
P PHARAOH*	33.9	1.0
~ ATLAS BRAND MYCOGEN-5480NRR**	33.9	1.0
AGVENTURE VARIETY# AV1468**	33.9	1.0
NK BRAND S42-H1**	33.9	1.0
~ PIONEER VARIETY 94B45**	33.9	1.0
~ PIONEER VARIETY 9492**	33.4	1.0
~ CROPLAN GENETICS 466RR**	33.4	1.0
UNISOUTH GENETICS USG 7499	33.4	1.0
~ PIONEER VARIETY 94B01**	33.0	1.0
STINE 4199-2**	33.0	1.0
~ DEKALB CX444cRR**	32.9	1.0
~ HORNBECK HBK R4855	32.9	1.0
~ STINE 4001-4	32.5	1.0
P STRESSLAND	32.5	1.0
~ ASGROW AG 4902**	32.0	1.0
~ DEKALB CX414cRR*	32.0	1.0
~ CROPLAN GENETICS 480RR**	32.0	1.0
NS IA 4001 (natto type)	31.8	1.0
~ SOUTHERN STATES SS-4483N**	30.6	1.0
P CALHOUN	30.1	1.0
P INA**	29.2	1.0
~ SOUTHERN CROSS-TITUS 4.8N-RR**	29.2	1.0
NS K 1431 (high protein)	28.7	1.0
GROUP IV AVERAGE	38.3	1.0
LSD (0.10)	6.8	

(continued on next page)

TABLE 6. 2000 CALLOWAY CO. CONVENTIONAL VARIETY TEST ^A (continued)

VARIETY / BRAND	YIELD (BU/AC) ^B 2000	LODGING 2000
LATE (GROUP V)		
~ PIONEER VARIETY 95B32**	61.2	1.0
PIONEER VARIETY 95B33**	52.5	1.0
~ SOUTHERN STATES RT-517N**	51.3	1.0
~ DELTA KING 5366 RR**	49.9	1.0
P HUTCHESON	48.0	1.0
~ PIONEER VARIETY 95B53**	46.6	1.0
~ UNISOUTH GENETICS USG 7547RR	46.1	1.0
P CAVINESS**	46.1	1.0
P DELSOY 5500**	45.2	1.0
KAS CHEROKEE 516*	44.7	1.0
~ NK BRAND S53-Q7**	44.7	1.0
~ ASGROW AG 5501*	44.2	1.0
~ SOUTHERN STATES RT-557N**	43.8	1.0
~ DYNA-GRO 3521N RR**	43.3	1.0
~ CROPLAN GENETICS 556RR**	42.9	1.0
~ LG SEEDS C9545RR	41.9	1.0
~ DELTA KING 5465 RR**	41.9	1.0
~ SOUTHERN STATES RT-5399	41.9	1.0
~ SOUTHERN STATES RT-540N**	41.4	1.0
~ EXCEL 8510NRR**	41.4	1.0
SOUTHERN STATES SS-5409N**	40.5	1.0
~ SOUTHERN STATES RT-5609	40.5	1.0
~ GATEWAY 5R515**	40.0	1.0
P HOLLADAY	38.1	1.0
~ ASGROW AG 5701*	36.7	1.0
~ ASGROW AG 5001	35.8	1.0
P ANAND**	35.8	1.0
~ HORNBECK HBK R5588**	33.9	1.0
~ SOUTHERN STATES RT-560	33.4	1.0
GROUP V AVERAGE	43.2	1.0
LSD (0.10)	6.1	
GRAND MEAN	38.7	1.0

~ 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)

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

B 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. 2000 FAYETTE CO. CONVENTIONAL VARIETY TEST

VARIETY / BRAND	YIELD (BU/AC) ^A			LODGING			PLANT HEIGHT (IN) 2000	MATURITY DATE 2000
	2000	99-00	98-00	2000	99-00	98-00		
EARLY (GROUP III)								
STINE 3870-0	88.1			1.8			38	9/21
PIONEER VARIETY 93B82	82.0	53.1		1.5	1.3		35	9/17
~ STINE 3763-4	81.7			1.0			34	9/16
~ SOUTHERN CROSS-SOLOMON 3.8-RR	81.6			1.5			36	9/20
~ PIONEER VARIETY 93B84	79.8	50.2		1.3	1.1		37	9/12
~ STINE 3800-4	78.3			1.8			39	9/19
SOUTHERN STATES SS-3971	78.0			1.3			36	9/18
~ GOLDEN HARVEST H-3983RR	76.8			1.8			35	9/21
SOUTHERN STATES HT-381-STS	76.3	48.5	46.0	2.0	1.5	2.4	38	9/19
NS U97-207427 (high protein, high yield)	74.9			1.3			35	9/14
NS PIONEER VARIETY P9305 (tofu type)	74.1			1.0			28	9/7
NS NE 3396 (high protein, high yield)	73.7			1.3			32	9/12
SOUTHERN STATES SS-3896-STS	73.7			1.0			34	9/17
~ ASGROW AG 3901**	72.9	48.0		2.3	1.6		37	9/22
NK BRAND S38-T8**	71.8			1.8			39	9/16
~ SOUTHERN STATES RT-386	71.2	47.3		2.5	1.8		42	9/25
NS IA 3011 (tofu type)	68.5			1.3			31	9/5
NS FG 1 (tofu type)	65.1			1.0			32	9/10
~ SOUTHERN STATES RT-3975	64.6	41.6		1.3	1.1		36	9/17
NS IA 2025 (triple null)	63.8			1.3			32	9/7
NS U95-3813 (natto type)	59.9			1.0			23	9/3
NS L91-1552 (natto type)	56.0			1.3			33	9/18
GROUP III AVERAGE	73.3	48.1		1.5	1.4	2.4	35	9/15
LSD (0.10)	5.1	1.8		0.4	0.3	1.5	3	
MID-SEASON (GROUP IV)								
~ GOLDEN HARVEST H-4728RR*	91.2			2.5			45	9/27
NK BRAND S43-B5	91.1	58.0	54.3	2.0	1.5	2.3	41	9/26
SOUTHERN CROSS-AARON 4.5N-STS**	90.5			2.8			46	10/2
~ DELTA KING 4868 RR	87.4	55.3		1.8	1.4		40	9/28
~ NK BRAND S46-G2**	86.3			2.0			47	9/30
~ ATLAS BRAND MYCOGEN-5480NRR**	86.1			2.5			48	10/5
~ CROPLAN GENETICS 480RR**	85.7	55.2		2.5	1.8		41	10/2
SOUTHERN STATES FFR-439	85.7	52.4	50.7	2.0	1.5	2.3	50	9/23
DELTA KING 4711	84.9			2.3			45	9/27
~ STINE 4001-4	84.8	53.7		2.3	1.6		39	9/24
NK BRAND S42-H1**	84.7			2.0			42	9/23
LG SEEDS C9474	84.6	54.0		2.5	1.8		46	9/27
~ SOUTHERN STATES SS-RT-4098	84.5			1.5			37	9/19
ASGROW AG 4604**	84.0	53.5	48.6	2.5	1.8	2.4	45	10/3
~ VIGORO V450NRR**	83.7			2.0			43	9/25
~ DYNA-GRO 3468N RR**	83.3	53.3		1.8	1.4		36	9/27
PIONEER VARIETY 9482	83.3	51.9	50.9	2.3	1.6	2.2	42	9/30
~ ASGROW AG 4403	83.0			1.8			43	9/24
~ EXCEL 8410NRR*	83.0			1.8			39	9/22
SOUTHERN STATES SS-4483N**	82.8			2.5			46	9/28
~ DPL DP4690RR	82.6			1.8			41	9/29
~ AGVENTURE VARIETY# AV6468	82.2			2.0			43	9/24
~ UNISOUTH GENETICS USG 7489RR	82.2			1.8			40	9/27
P STRESSLAND	81.8	52.5	49.7	1.8	1.4	2.1	41	9/23
STINE 4790	81.7	51.1		2.0	1.5		39	9/28
~ ASGROW AG 4301**	81.4	53.3		1.8	1.4		38	9/27
~ STINE 4212-4**	81.3			1.3			39	9/19
AGVENTURE VARIETY# AV1468**	81.1			2.3			43	9/30
NK BRAND S40-C1	81.1			1.8			38	9/19
~ STINE 4802-4**	80.7			2.8			48	10/3
~ GREAT LAKES GL 4309 RR**	80.5			1.8			42	9/27

TABLE 7. 2000 FAYETTE CO. CONVENTIONAL VARIETY TEST (continued)

VARIETY / BRAND	YIELD (BU/AC) ^A			LODGING			PLANT HEIGHT (IN) 2000	MATURITY DATE 2000
	2000	99-00	98-00	2000	99-00	98-00		
GOLDEN HARVEST H-4755	80.3			2.0			42	9/27
~ STINE 4402-4**	80.1			2.0			41	9/24
SOUTHERN STATES SS-4299N**	79.9			1.8			40	9/25
~ DPL SG498RR	79.8			1.8			41	10/3
~ SOUTHERN CROSS-TITUS 4.8N-RR**	79.8			2.0			45	9/30
SOUTHERN STATES FFR-493	79.7	48.6	46.0	2.0	1.5	1.8	49	10/4
STINE 4199-2**	79.5			2.0			42	9/27
DELTA KING 4680	79.5			2.0			42	10/1
LG SEEDS C4344N*	79.5			2.0			42	9/27
~ DEKALB CX414cRR*	79.4	49.6		2.0	1.5		41	9/23
PIONEER VARIETY 94B53**	79.3	49.9		2.3	1.6		42	9/24
P REND**	79.2	52.2		2.5	1.8		43	9/24
~ PIONEER VARIETY 9492**	78.9	50.2	47.1	1.8	1.4	1.8	43	10/2
GOLDEN HARVEST H-4516*	78.8	52.6		2.3	1.6		45	10/1
GATEWAY 471**	78.8			2.8			45	10/1
~ SOUTHERN STATES RT-4980	78.7			2.0			40	9/29
~ CAVERNDAL CF 465nRR**	78.5	49.5		2.0	1.5		47	10/1
GOLDEN HARVEST H-4459STS**	78.2	51.6		2.5	1.8		46	10/3
~ SOUTHERN STATES RT-446N*	77.9	49.8		2.3	1.6		44	9/27
~ HORNBECK HBK R4920	77.9			2.3			42	9/28
P TROLL	77.7	48.7		1.0	1.0		24	9/17
~ LG SEEDS C4350NRR*	77.7			1.5			40	9/21
SOUTHERN CROSS-JOSHUA 4.8	77.7			2.5			46	9/27
~ DEKALB DKB44-51	77.6			1.3			39	9/24
~ GATEWAY 4R472	77.4			2.8			49	10/1
ASGROW AG 4324	76.8			1.5			38	9/21
~ DEKALB CX444cRR**	76.7	48.6		1.8	1.4		37	9/23
STINE 4702-2**	76.6	48.4		2.0	1.5		42	9/28
~ CROPLAN GENETICS 466RR**	76.3	48.2		2.5	1.8		47	10/2
~ VIGORO V439NRR**	76.2			1.8			43	9/28
~ LG SEEDS C9480RR	76.0	48.6		2.3	1.6		46	9/30
SOUTHERN CROSS-JAMES 4.1N**	75.9	48.3		2.0	1.5		42	9/21
~ GOLDEN HARVEST H-4946RR**	75.8			2.5			47	10/2
~ PIONEER VARIETY 94B45**	75.5			1.8			45	9/24
~ ASGROW AG 4902**	75.4	49.7		2.0	1.5		41	10/3
~ PIONEER VARIETY 94B01**	75.3	48.7	49.6	2.0	1.5	2.0	43	9/21
~ VIGORO V492NRR**	75.2			2.0			44	9/30
~ SOUTHERN STATES RT-4495N**	74.6	49.4		1.0	1.0		35	9/24
~ HORNBECK HBK R4660**	74.1	48.1		2.5	1.8		51	10/3
P INA**	73.9	49.6		2.5	1.8		46	9/24
HORNBECK HBK 4891	73.8	48.9		1.5	1.3		40	9/21
P MANOKIN*	73.6	44.3	38.6	2.3	2.1	2.8	37	10/8
CAVERNDAL CF 492	73.5	45.8	43.6	1.3	1.1	1.9	30	10/4
NS L96-5104 (natto type)	73.4			2.3			40	9/22
UNISOUTH GENETICS USG 7499	72.3	43.8	39.8	2.3	1.6	1.9	42	10/4
~ HORNBECK HBK R4855	71.7	46.2		1.8	1.4		41	9/23
~ GREAT LAKES GL 4800 RR	71.2			1.8			43	9/29
~ DPL DP4344RR	68.4	45.4		2.5	1.8		48	10/3
CAVERNDAL CF 461	67.4	43.4	47.5	2.0	1.5	2.3	44	9/27
P PHARAOH*	67.1	45.6	42.2	1.8	1.4	2.3	39	10/4
SOUTHERN STATES FFR-4985-ST5	66.4	38.7	33.1	4.0	2.5	3.0	42	10/8
P CALHOUN	65.4	42.2	44.1	1.0	1.0	1.6	26	9/19
NS K 1431 (high protein)	64.3			3.0			42	9/25
~ ASGROW AG 4702**	63.4	42.6		1.8	1.4		43	10/1
~ CROPLAN GENETICS 4979RR	62.4			3.8			51	10/8
NS IA 4001 (natto type)	60.9			2.8			36	9/20
GROUP IV AVERAGE	78.3	49.3	45.7	2.1	1.5	2.2	42	9/27
LSD (0.10)	7.3	4.0	3.7	0.4	0.2	0.3	3	

(continued on next page)

TABLE 7. 2000 FAYETTE CO. CONVENTIONAL VARIETY TEST (continued)

VARIETY / BRAND	YIELD (BU/AC) ^A			LODGING			PLANT HEIGHT (IN) 2000	MATURITY DATE 2000
	2000	99-00	98-00	2000	99-00	98-00		
LATE (GROUP V)								
~ ASGROW AG 5001	65.8	42.9		2.0	1.5		44	10/4
SOUTHERN STATES SS-5409N**	64.1			2.0			38	FROST
PIONEER VARIETY 95B33**	62.2			1.8			36	10/9
KAS CHEROKEE 516*	61.5	38.5	35.5	1.8	1.4	2.2	38	10/4
P ANAND**	59.9	37.9	33.8	2.0	1.5	2.1	35	FROST
~ ASGROW AG 5501*	59.6			2.5			41	FROST
~ EXCEL 8510NRR**	59.4	41.1		2.0	1.5		48	10/4
~ SOUTHERN STATES RT-517N**	58.2	37.6		2.0	1.6		40	FROST
~ SOUTHERN STATES RT-540N**	57.6	39.3		2.5	1.8		40	FROST
~ PIONEER VARIETY 95B32**	57.1	36.9		2.0	1.5		38	10/9
~ DELTA KING 5465 RR**	56.9			2.5			39	FROST
P DELSOY 5500**	56.0			2.5			41	FROST
~ DYNA-GRO 3521N RR**	54.7			2.5			43	FROST
P HOLLADAY	54.4	36.9	39.3	1.0	1.0	1.8	32	10/6
~ SOUTHERN STATES RT-560	53.9	35.3		3.0	2.1		42	FROST
~ SOUTHERN STATES RT-5609	53.3			2.8			41	FROST
P HUTCHESON	52.6	36.2	32.0	2.5	1.8	2.4	39	FROST
~ PIONEER VARIETY 95B53**	50.2			3.3			38	FROST
~ DELTA KING 5366 RR**	49.0			3.8			42	FROST
~ SOUTHERN STATES RT-5399	47.4			2.8			38	FROST
~ LG SEEDS C9545RR	47.2			3.0			45	FROST
~ GATEWAY 5R515**	47.1	32.6		2.8	1.9		42	FROST
~ UNISOUTH GENETICS USG 7547RR	45.8	29.4		2.8	2.1		41	FROST
~ ASGROW AG 5701*	45.7			3.8			40	FROST
~ NK BRAND S53-Q7**	45.6	31.5		2.5	1.8		41	FROST
~ SOUTHERN STATES RT-557N**	44.2	29.2		3.3	2.1		46	FROST
P CAVINESS**	43.6	30.7		3.5	2.3		39	FROST
~ CROPLAN GENETICS 556RR**	41.1	28.7		3.3	2.1		40	FROST
~ HORNBECK HBK R5588**	36.9	25.4		3.3	2.5		43	FROST
GROUP V AVERAGE	52.8	34.7	35.2	2.6	1.8	2.1	40.3	FROST
LSD (0.10)	4.4	3.0	2.4	0.4	0.2	0.2	2.0	
GRAND MEAN	72.1	45.5	43.6	2.1	1.6	2.2	40.6	

~ 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)

A 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. 2000 LOGAN CO. CONVENTIONAL VARIETY TEST^A

VARIETY / BRAND	YIELD (BU/AC) ^B			LODGING		
	2000	99-00	98-00	2000	99-00	98-00
EARLY (GROUP III)						
~ SOUTHERN CROSS-SOLOMON 3.8-RR	87.5			3.0		
~ STINE 3800-4	86.9			3.3		
~ STINE 3763-4	86.3			2.8		
STINE 3870-0	85.9			3.0		
~ PIONEER VARIETY 93B84	85.8	66.6		2.0	2.6	
PIONEER VARIETY 93B82	82.5	68.1		2.3	3.4	
SOUTHERN STATES SS-3971	80.0			3.3		
~ GOLDEN HARVEST H-3983RR	80.0			3.0		
SOUTHERN STATES SS-3896-STS	79.2			2.5		
NS U97-207427 (high protein, high yield)	78.1			2.3		
NS PIONEER VARIETY P9305 (tofu type)	77.1			2.3		
NS IA 3011 (tofu type)	76.0			3.0		
~ ASGROW AG 3901**	75.5	63.3		3.0	3.8	
~ SOUTHERN STATES RT-3975	74.5	61.3		2.8	3.4	
~ SOUTHERN STATES RT-386	73.8	59.2		2.8	3.5	
NS NE 3396 (high protein, high yield)	72.8			2.5		
NS FG 1 (tofu type)	72.2			2.8		
SOUTHERN STATES HT-381-STS	70.6	60.2	54.5	3.0	3.5	3.3
NK BRAND S38-T8**	67.9			2.5		
NS L91-1552 (natto type)	64.5			2.8		
NS IA 2025 (triple null)	62.3			1.5		
NS U95-3813 (natto type)	58.6			1.5		
GROUP III AVERAGE	76.3	63.1		2.6	3.4	
LSD (0.10)	9.8	6.6		0.6	0.5	
MID-SEASON (GROUP IV)						
SOUTHERN STATES FFR-439	89.7	69.8	61.8	2.8	2.8	2.6
LG SEEDS C9474	89.7	66.5		3.8	3.8	
~ GATEWAY 4R472	86.7			3.3		
P TROLL	86.0	66.4		2.5	1.9	
~ SOUTHERN STATES SS-RT-4098	85.8			2.5		
~ HORNBECK HBK R4920	85.0			3.8		
DELTA KING 4680	82.5			3.0		
ASGROW AG 4324	82.1			2.8		
~ STINE 4001-4	81.6	65.3		2.3	3.4	
STINE 4702-2**	81.5	63.7		3.0	3.4	
~ DPL DP4690RR	80.8			3.8		
P STRESSLAND	80.3	65.1	61.7	3.5	3.9	3.8
SOUTHERN CROSS-AARON 4.5N-STS**	79.7			2.5		
ASGROW AG 4604**	78.9	63.8	59.1	3.0	3.6	3.5
~ CROPLAN GENETICS 480RR**	78.8	61.8		3.0	3.6	
~ GREAT LAKES GL 4309 RR**	78.6			1.5		
SOUTHERN STATES SS-4483N**	78.0			2.8		
~ SOUTHERN CROSS-TITUS 4.8N-RR**	77.5			2.5		
GOLDEN HARVEST H-4459STS**	77.4	68.0		3.0	3.4	
~ EXCEL 8410NRR*	77.4			2.0		
LG SEEDS C4344N*	77.4			2.5		
~ VIGORO V439NRR**	77.2			2.3		
NK BRAND S43-B5	77.1	61.0	60.9	2.3	3.3	3.3
SOUTHERN STATES SS-4299N**	76.4			2.5		
~ ASGROW AG 4403	76.3			2.5		
~ SOUTHERN STATES RT-4980	76.3			3.3		
GOLDEN HARVEST H-4516*	76.2	65.6		2.8	3.1	
GOLDEN HARVEST H-4755	76.2			3.0		
~ GREAT LAKES GL 4800 RR	76.2			3.0		
CAVERNDALE CF 492	76.0	60.6	57.3	3.3	3.6	3.0
~ LG SEEDS C4350NRR*	76.0			2.8		

(continued on next page)

TABLE 8. 2000 LOGAN CO. CONVENTIONAL VARIETY TEST^A (continued)

VARIETY / BRAND	YIELD (BU/AC) ^B			LODGING		
	2000	99-00	98-00	2000	99-00	98-00
NK BRAND S40-C1	75.9			1.8		
~ STINE 4402-4**	75.9			2.5		
PIONEER VARIETY 9482	75.6	59.0	55.6	3.3	3.3	3.3
AGVENTURE VARIETY# AV1468**	75.2			2.5		
GATEWAY 471**	75.1			3.3		
~ DEKALB DKB44-51	75.0			1.8		
~ ATLAS BRAND MYCOGEN-5480NRR**	74.8			2.5		
~ GOLDEN HARVEST H-4946RR**	74.8			2.8		
~ DYNA-GRO 3468N RR**	74.7	62.8		2.0	2.6	
DELTA KING 4711	74.5			3.0		
~ DELTA KING 4868 RR	74.3	61.2		2.0	2.6	
~ ASGROW AG 4902**	74.1	60.3		2.5	3.0	
~ SOUTHERN STATES RT-4495N**	74.1	61.1		2.0	2.6	
P REND**	73.4	60.5		3.0	3.5	
~ DEKALB CX444cRR**	73.2	59.7		2.5	2.9	
P MANOKIN*	73.1	54.1	48.6	3.8	3.4	3.2
NK BRAND S42-H1**	73.0			2.0		
~ STINE 4802-4**	72.7			2.5		
SOUTHERN CROSS-JOSHUA 4.8	72.3			2.8		
~ VIGORO V450NRR**	72.1			2.3		
~ ASGROW AG 4702**	71.9	59.8		2.3	2.5	
CAVERNDALE CF 461	71.9	57.4	54.6	3.5	3.4	3.3
~ AGVENTURE VARIETY# AV6468	71.9			2.5		
~ STINE 4212-4**	71.9			2.5		
~ DPL DP4344RR	71.8	54.3		2.8	3.0	
~ DEKALB CX414cRR*	71.8	56.2		3.0	3.4	
~ DPL SG498RR	71.4			2.3		
~ SOUTHERN STATES RT-446N*	71.0	58.6		2.3	2.8	
~ LG SEEDS C9480RR	70.7	54.3		3.8	3.6	
PIONEER VARIETY 94B53**	70.6	58.1		2.8	2.8	
~ ASGROW AG 4301**	70.4	60.0		2.0	2.8	
P INA**	70.4	53.1		4.0	4.0	
~ UNISOUTH GENETICS USG 7489RR	70.1			2.8		
~ VIGORO V492NRR**	70.0			2.3		
~ HORNBECK HBK R4660**	69.9	56.3		2.8	2.8	
~ PIONEER VARIETY 94B45**	69.9			2.0		
STINE 4199-2**	69.6			2.3		
~ GOLDEN HARVEST H-4728RR*	69.6			2.3		
STINE 4790	69.4	57.0		3.3	3.8	
P PHARAOH*	69.3	54.8	49.2	3.0	2.9	2.7
~ PIONEER VARIETY 94B01**	69.0	57.1	55.1	2.0	2.3	2.4
SOUTHERN STATES FFR-493	68.5	55.1	52.9	2.5	2.4	2.5
HORNBECK HBK 4891	67.9	60.0		3.3	3.8	
~ PIONEER VARIETY 9492**	67.6	58.3	51.6	2.5	2.9	2.8
UNISOUTH GENETICS USG 7499	67.3	53.4	49.3	2.5	3.1	2.9
~ NK BRAND S46-G2**	67.2			2.3		
~ CAVERNDALE CF 465nRR**	67.1	53.3		2.5	2.8	
NS L96-5104 (natto type)	66.8			2.5		
~ HORNBECK HBK R4855	66.6	56.7		2.8	3.4	
NS IA 4001 (natto type)	65.7			4.0		
SOUTHERN CROSS-JAMES 4.1N**	62.4	54.0		2.8	3.5	
~ CROPLAN GENETICS 466RR**	61.8	49.6		2.8	2.6	
SOUTHERN STATES FFR-4985-STS	61.7	52.8	46.4	4.3	4.0	4.0
P CALHOUN	61.2	50.4	52.8	1.0	1.8	1.6
NS K 1431 (high protein)	59.7			4.0		
~ CROPLAN GENETICS 4979RR	51.6			3.8		
GROUP IV AVERAGE	73.7	59.0	54.5	2.7	3.1	3.0
LSD (0.10)	7.5	4.5	4.2	0.5	0.3	0.3

(continued on next page)

TABLE 8. 2000 LOGAN CO. CONVENTIONAL VARIETY TEST^A (continued)

VARIETY / BRAND	YIELD (BU/AC) ^B			LODGING		
	2000	99-00	98-00	2000	99-00	98-00
LATE (GROUP V)						
~ ASGROW AG 5001	77.2	57.4		2.8	3.3	
~ DELTA KING 5465 RR**	73.7			2.8		
~ HORNBECK HBK R5588**	73.6	54.2		3.8	3.8	
SOUTHERN STATES SS-5409N**	72.5			2.8		
~ SOUTHERN STATES RT-560	68.4	51.9		3.3	3.6	
P HOLLADAY	67.9	48.0	45.7	3.5	4.0	3.8
~ ASGROW AG 5501*	67.7			3.3		
~ DYNA-GRO 3521N RR**	67.7			2.8		
~ PIONEER VARIETY 95B32**	66.2	49.7		2.8	3.0	
~ SOUTHERN STATES RT-540N**	65.2	50.3		3.0	3.0	
KAS CHEROKEE 516*	64.6	50.8	46.6	2.8	3.0	2.9
PIONEER VARIETY 95B33**	64.4			2.5		
~ EXCEL 8510NRR**	63.9	46.0		3.0	3.0	
P ANAND**	63.7	46.3	43.8	2.5	2.8	2.8
~ SOUTHERN STATES RT-5609	63.7			3.5		
~ SOUTHERN STATES RT-5399	63.6			3.8		
~ NK BRAND S53-Q7**	63.0	46.8		4.0	3.8	
P DELSOY 5500**	62.4			3.8		
~ DELTA KING 5366 RR**	62.2			4.3		
~ LG SEEDS C9545RR	61.5			3.8		
P HUTCHESON	60.9	49.2	45.7	3.3	3.5	3.3
~ SOUTHERN STATES RT-557N**	60.5	46.7		3.5	3.8	
P CAVINESS**	60.0	50.1		4.0	4.0	
~ PIONEER VARIETY 95B53**	59.3			3.5		
~ SOUTHERN STATES RT-517N**	56.2	46.3		2.8	3.0	
~ UNISOUTH GENETICS USG 7547RR	55.4	44.9		3.3	3.4	
~ ASGROW AG 5701*	55.3			3.8		
~ CROPLAN GENETICS 556RR**	54.6	45.0		3.0	3.4	
~ GATEWAY 5R515**	53.3	38.1		3.3	3.4	
GROUP V AVERAGE	63.7	48.3	45.5	3.3	3.4	3.2
LSD (0.10)	9.0	5.2	2.1	0.5	0.4	0.5
GRAND MEAN	69.8	56.6	52.7	2.8	3.2	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)

A 1998 data are from Hardin Co., and the 1999 and 2000 data are from Logan Co.

B 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. 2000 UNION CO. CONVENTIONAL VARIETY TEST^A

VARIETY / BRAND	YIELD (BU/AC) ^B			LODGING		
	2000	99-00	98-00	2000	99-00	98-00
EARLY (GROUP III)						
STINE 3870-0	59.2			2.0		
PIONEER VARIETY 93B82	56.4			1.5		
SOUTHERN STATES SS-3896-ST5	55.0			1.5		
NS U97-207427 (high protein, high yield)	54.4			1.8		
~ GOLDEN HARVEST H-3983RR	52.5			1.0		
NS NE 3396 (high protein, high yield)	52.4			1.8		
~ STINE 3800-4	51.5			1.5		
SOUTHERN STATES SS-3971	51.5			1.8		
~ STINE 3763-4	50.4			1.0		
~ PIONEER VARIETY 93B84	49.3			1.3		
NS IA 2025 (triple null)	48.2			1.5		
SOUTHERN STATES HT-381-ST5	48.2			1.3		
~ SOUTHERN STATES RT-3975	47.1			1.5		
~ SOUTHERN CROSS-SOLOMON 3.8-RR	46.6			1.3		
NK BRAND S38-T8**	45.9			1.5		
NS L91-1552 (natto type)	44.1			2.0		
NS U95-3813 (natto type)	43.9			1.0		
~ ASGROW AG 3901**	43.5			1.5		
~ SOUTHERN STATES RT-386	42.6			1.8		
NS IA 3011 (tofu type)	41.5			1.0		
NS PIONEER VARIETY P9305 (tofu type)	41.3			1.0		
NS FG 1 (tofu type)	39.1			1.0		
GROUP III AVERAGE	48.4			1.4		
LSD (0.10)	9.8			0.7		
MID-SEASON (GROUP IV)						
PIONEER VARIETY 94B53**	59.7			2.3		
GOLDEN HARVEST H-4459ST5**	59.5			1.8		
LG SEEDS C9474	58.2			1.8		
UNISOUTH GENETICS USG 7499	55.9			2.0		
NK BRAND S40-C1	55.9			2.0		
P TROLL	55.8			1.3		
STINE 4702-2**	55.5			2.0		
NK BRAND S43-B5	53.1			1.3		
SOUTHERN STATES SS-4483N**	53.0			1.5		
DELTA KING 4711	53.0			2.3		
~ ASGROW AG 4902**	52.1			2.0		
~ ASGROW AG 4702**	52.1			1.5		
PIONEER VARIETY 9482	52.0			1.5		
GATEWAY 471**	51.7			1.8		
~ DYNA-GRO 3468N RR**	51.4			1.8		
~ DELTA KING 4868 RR	51.2			2.0		
ASGROW AG 4324	51.2			1.8		
P STRESSLAND	51.1			1.5		
SOUTHERN CROSS-JAMES 4.1N**	50.8			2.3		
SOUTHERN STATES FFR-4985-ST5	50.7			2.5		
SOUTHERN STATES FFR-493	50.5			2.0		
~ PIONEER VARIETY 94B01**	50.4			1.5		
~ DEKALB CX414cRR*	49.6			1.8		
~ PIONEER VARIETY 94B45**	49.5			1.8		
~ LG SEEDS C9480RR	49.3			1.5		
~ DPL DP4690RR	49.2			1.5		
~ EXCEL 8410NRR*	49.1			2.3		
CAVERNDALE CF 492	49.0			1.8		
STINE 4199-2**	48.8			2.3		
SOUTHERN CROSS-AARON 4.5N-ST5**	48.8			1.8		
~ ATLAS BRAND MYCOGEN-5480NRR**	48.6			2.0		

(continued on next page)

TABLE 9. 2000 UNION CO. CONVENTIONAL VARIETY TEST^A (continued)

VARIETY / BRAND	YIELD (BU/AC) ^B			LODGING		
	2000	99-00	98-00	2000	99-00	98-00
~ SOUTHERN STATES RT-446N*	48.4			2.0		
~ DPL SG498RR	48.4			1.5		
NS K 1431 (high protein)	47.7			2.5		
~ NK BRAND S46-G2**	47.7			2.0		
~ ASGROW AG 4301**	47.6			1.5		
~ CROPLAN GENETICS 466RR**	47.6			2.3		
NS L96-5104 (natto type)	47.5			2.3		
~ PIONEER VARIETY 9492**	47.5			2.0		
P REND**	47.5			2.8		
~ STINE 4402-4**	47.5			2.0		
P MANOKIN*	47.4			2.0		
~ STINE 4001-4	46.9			1.5		
~ VIGORO V450NRR**	46.9			2.0		
NK BRAND S42-H1**	46.8			1.5		
~ ASGROW AG 4403	46.5			1.3		
~ DPL DP4344RR	46.4			2.5		
~ CROPLAN GENETICS 480RR**	46.4			1.5		
GOLDEN HARVEST H-4755	46.2			1.3		
GOLDEN HARVEST H-4516*	46.0			1.8		
~ HORNBECK HBK R4855	46.0			1.3		
DELTA KING 4680	45.8			1.8		
~ HORNBECK HBK R4660**	45.7			1.8		
~ CAVERNDALE CF 465nRR**	45.6			2.0		
~ DEKALB DKB44-51	45.3			1.8		
~ STINE 4212-4**	45.2			1.5		
~ GREAT LAKES GL 4800 RR	45.1			1.8		
~ UNISOUTH GENETICS USG 7489RR	45.1			2.3		
~ SOUTHERN STATES SS-RT-4098	45.0			2.0		
SOUTHERN CROSS-JOSHUA 4.8	45.0			2.0		
LG SEEDS C4344N*	44.9			1.0		
~ AGVENTURE VARIETY# AV6468	44.1			1.3		
~ GREAT LAKES GL 4309 RR**	43.4			1.5		
~ SOUTHERN CROSS-TITUS 4.8N-RR**	42.9			1.8		
~ DEKALB CX444cRR**	42.6			1.5		
AGVENTURE VARIETY# AV1468**	42.6			1.8		
SOUTHERN STATES FFR-439	42.4			1.5		
~ GOLDEN HARVEST H-4728RR*	42.1			2.0		
HORNBECK HBK 4891	41.8			1.3		
NS IA 4001 (natto type)	41.7			3.3		
SOUTHERN STATES SS-4299N**	41.7			1.5		
P INA**	41.1			2.5		
~ VIGORO V492NRR**	41.1			1.8		
~ HORNBECK HBK R4920	40.9			1.5		
P CALHOUN	40.8			1.0		
CAVERNDALE CF 461	39.8			1.5		
ASGROW AG 4604**	39.7			2.0		
~ LG SEEDS C4350NRR*	39.6			1.0		
~ GATEWAY 4R472	39.3			1.3		
~ SOUTHERN STATES RT-4495N**	39.2			1.0		
~ GOLDEN HARVEST H-4946RR**	38.0			2.0		
STINE 4790	37.9			1.5		
~ SOUTHERN STATES RT-4980	37.2			1.5		
~ STINE 4802-4**	36.6			1.8		
~ CROPLAN GENETICS 4979RR	34.3			2.3		
~ VIGORO V439NRR**	34.0			1.5		
P PHARAOH*	31.6			1.0		
GROUP IV AVERAGE	46.5			1.8		
LSD (0.10)	8.2			0.6		

(continued on next page)

TABLE 9. 2000 UNION CO. CONVENTIONAL VARIETY TEST^A (continued)

VARIETY / BRAND	YIELD (BU/AC) ^B			LODGING		
	2000	99-00	98-00	2000	99-00	98-00
LATE (GROUP V)						
~ ASGROW AG 5001	54.8	48.5		2.0	1.5	
PIONEER VARIETY 95B33**	53.5			2.3		
~ SOUTHERN STATES RT-517N**	52.3	43.9		2.5	1.8	
P HUTCHESON	50.9	47.9	55.5	3.0	2.0	2.5
P HOLLADAY	49.2	49.1	54.0	2.8	1.9	2.4
~ EXCEL 8510NRR**	48.3	44.1		1.5	1.3	
~ DYNA-GRO 3521N RR**	46.9			2.3		
~ DELTA KING 5465 RR**	46.4			1.5		
P DELSOY 5500**	46.0			2.5		
~ ASGROW AG 5501*	45.8			1.5		
~ SOUTHERN STATES RT-557N**	44.6	40.6		2.8	1.9	
P CAVINESS**	44.4	42.8		3.5	2.3	
~ LG SEEDS C9545RR	44.2			2.5		
~ SOUTHERN STATES RT-5399	43.7			3.0		
~ PIONEER VARIETY 95B53**	43.6			3.0		
KAS CHEROKEE 516*	43.1	38.0	44.0	2.0	1.5	1.8
~ HORNBECK HBK R5588**	43.0	39.2		2.8	1.9	
~ UNISOUTH GENETICS USG 7547RR	42.2	40.3		2.5	1.8	
~ GATEWAY 5R515**	42.2	40.6		2.3	1.6	
SOUTHERN STATES SS-5409N**	40.8			2.0		
~ CROPLAN GENETICS 556RR**	40.7	41.5		2.5	1.8	
~ SOUTHERN STATES RT-540N**	40.4	41.2		2.3	1.6	
~ SOUTHERN STATES RT-5609	40.0			2.8		
~ ASGROW AG 5701*	39.7			3.5		
~ SOUTHERN STATES RT-560	38.4	36.9		2.3	1.6	
~ PIONEER VARIETY 95B32**	38.0	38.6		1.8	1.4	
P ANAND**	37.9	40.6	50.2	1.3	1.1	1.8
~ DELTA KING 5366 RR**	34.2			2.5		
~ NK BRAND S53-Q7**	29.6	34.5		1.8	1.4	
GROUP V AVERAGE	43.6	41.7	50.9	2.4	1.7	2.1
LSD (0.10)	6.0	6.1	5.7	0.5	0.3	0.3
GRAND MEAN	46.2			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)

A 1998-99 data are from Daviess Co., and the 2000 data are from Union Co. No data were available for 1999 Daviess Co. maturity groups 3 and 4 due to excessive variability caused by the 1999 drought.

B 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. 2000 CALDWELL CO. DOUBLE CROP VARIETY TEST^A

VARIETY / BRAND	YIELD (BU/AC) ^B		LODGING	
	2000	99-00	2000	99-00
EARLY (GROUP III)				
PIONEER VARIETY 93B82	52.6	50.1	1.8	1.8
~ GOLDEN HARVEST H-3983RR	48.2		1.5	
~ STINE 3763-4	43.6		1.3	
~ SOUTHERN STATES RT-3975	42.8	38.4	2.0	1.5
SOUTHERN STATES HT-381-STS	42.1	40.1	2.3	2.0
NK BRAND S38-T8**	41.6		1.8	
STINE 3870-0	40.5		1.5	
~ SOUTHERN STATES RT-386	40.1	38.9	2.0	2.0
SOUTHERN STATES SS-3971	39.6		1.8	
~ ASGROW AG 3901**	39.2	38.1	2.0	2.0
SOUTHERN STATES SS-3896-STS	38.9		2.0	
~ PIONEER VARIETY 93B84	38.5	37.5	2.0	1.5
~ SOUTHERN CROSS-SOLOMON 3.8-RR	37.5		1.8	
~ STINE 3800-4	37.3		1.0	
NS U97-207427 (high protein, high yield)	36.8		2.0	
NS U95-3813 (natto type)	36.1		1.5	
NS FG 1 (tofu type)	35.8		1.8	
NS NE 3396 (high protein, high yield)	34.6		2.0	
NS IA 2025 (triple null)	34.6		1.0	
NS PIONEER VARIETY P9305 (tofu type)	34.5		2.0	
NS L91-1552 (natto type)	34.0		1.8	
NS IA 3011 (tofu type)	26.3		1.8	
GROUP III AVERAGE	38.9	40.5	1.8	1.8
LSD (0.10)	7.7	4.6	0.3	0.2
MID-SEASON (GROUP IV)				
~ ASGROW AG 4403	51.8		1.5	
CAVERNDALE CF 492	50.7		1.8	
P REND**	49.9		2.3	
CAVERNDALE CF 461	49.6		2.3	
P INA**	48.4		2.0	
PIONEER VARIETY 9482	47.9		2.3	
PIONEER VARIETY 94B53**	47.7		1.8	
~ GATEWAY 4R472	47.5		2.0	
HORNBECK HBK 4891	47.4		2.0	
P STRESSLAND	46.6		2.0	
STINE 4790	46.5		2.3	
SOUTHERN STATES FFR-493	46.5		1.5	
SOUTHERN CROSS-AARON 4.5N-STS**	46.4		2.0	
SOUTHERN STATES FFR-439	46.2		1.8	
P CALHOUN	46.0		2.3	
~ STINE 4402-4**	45.8		2.3	
SOUTHERN STATES SS-4483N**	45.7		1.5	
~ SOUTHERN CROSS-TITUS 4.8N-RR**	45.1		1.8	
UNISOUTH GENETICS USG 7499	44.9		2.0	
GOLDEN HARVEST H-4755	44.8		2.3	
~ AGVENTURE VARIETY# AV6468	44.2		1.3	
DELTA KING 4680	44.2		2.0	
NK BRAND S40-C1	44.1		1.5	
ASGROW AG 4324	44.0		1.8	
~ CROPLAN GENETICS 466RR**	43.9		1.8	
~ DPL DP4690RR	43.9		2.0	
DELTA KING 4711	43.3		2.3	
~ DEKALB CX444cRR**	43.1		1.8	
SOUTHERN STATES SS-4299N**	42.9		1.8	
LG SEEDS C4344N*	41.9		1.3	
~ STINE 4001-4	41.8		1.5	

(continued on next page)

TABLE 10. 2000 CALDWELL CO. DOUBLE CROP VARIETY TEST^A (continued)

VARIETY / BRAND	YIELD (BU/AC) ^B		LODGING	
	2000	99-00	2000	99-00
NK BRAND S43-B5	41.4		1.5	
STINE 4199-2**	41.3		1.3	
~ HORNBECK HBK R4920	41.3		2.0	
NK BRAND S42-H1**	41.3		2.0	
~ STINE 4212-4**	41.3		1.3	
~ HORNBECK HBK R4855	41.1		1.8	
SOUTHERN CROSS-JAMES 4.1N**	40.6		2.0	
~ VIGORO V450NRR**	40.6		2.3	
~ SOUTHERN STATES RT-4495N**	40.5		1.3	
~ PIONEER VARIETY 9492**	40.4		1.5	
~ DYNA-GRO 3468N RR**	40.4		1.8	
~ EXCEL 8410NRR*	40.4		1.8	
GOLDEN HARVEST H-4516*	40.3		1.8	
~ GREAT LAKES GL 4800 RR	40.3		2.0	
ASGROW AG 4604**	40.2		2.0	
GOLDEN HARVEST H-4459STS**	40.1		2.0	
GATEWAY 471**	39.9		2.3	
~ NK BRAND S46-G2**	39.9		2.0	
NS K 1431 (high protein)	39.8		2.3	
~ ASGROW AG 4702**	39.6		2.0	
~ LG SEEDS C4350NRR*	39.6		1.0	
STINE 4702-2**	39.5		2.5	
~ CROPLAN GENETICS 480RR**	39.3		1.5	
~ LG SEEDS C9480RR	39.0		2.0	
~ GOLDEN HARVEST H-4728RR*	38.7		2.5	
~ PIONEER VARIETY 94B45**	38.3		1.3	
~ GREAT LAKES GL 4309 RR**	38.1		1.5	
~ SOUTHERN STATES RT-446N*	38.0		1.8	
~ DPL SG498RR	38.0		2.0	
P MANOKIN*	37.9		3.3	
~ SOUTHERN STATES RT-4980	37.8		1.5	
~ DEKALB DKB44-51	37.4		1.0	
~ STINE 4802-4**	37.4		1.8	
~ ASGROW AG 4902**	37.0		2.0	
~ PIONEER VARIETY 94B01**	37.0		1.0	
~ ASGROW AG 4301**	36.9		2.0	
~ DPL DP4344RR	36.7		3.0	
~ ATLAS BRAND MYCOGEN-5480NRR**	36.7		2.5	
~ GOLDEN HARVEST H-4946RR**	36.7		2.3	
SOUTHERN CROSS-JOSHUA 4.8	36.6		2.0	
~ UNISOUTH GENETICS USG 7489RR	36.2		1.8	
~ DELTA KING 4868 RR	36.1		1.5	
LG SEEDS C9474	36.0		2.5	
AGVENTURE VARIETY# AV1468**	36.0		2.0	
P PHARAOH*	35.8		2.8	
NS L96-5104 (natto type)	35.6		2.3	
P TROLL	35.6		1.0	
~ VIGORO V492NRR**	35.6		2.0	
~ SOUTHERN STATES SS-RT-4098	35.5		1.5	
~ DEKALB CX414cRR*	35.3		1.8	
~ CAVERNDAL CF 465nRR**	35.1		1.0	
~ HORNBECK HBK R4660**	34.8		1.8	
~ CROPLAN GENETICS 4979RR	34.7		2.5	
~ VIGORO V439NRR**	34.6		1.8	
NS IA 4001 (natto type)	34.0		2.3	
SOUTHERN STATES FFR-4985-STS	33.4		2.8	
GROUP IV AVERAGE	40.9		1.9	
LSD (0.10)	6.6		0.5	

(continued on next page)

TABLE 10. 2000 CALDWELL CO. DOUBLE CROP VARIETY TEST^A (continued)

VARIETY / BRAND	YIELD (BU/AC) ^B		LODGING	
	2000	99-00	2000	99-00
LATE (GROUP V)				
KAS CHEROKEE 516*	44.4		2.5	
~ DELTA KING 5465 RR**	44.3		2.5	
P HOLLADAY	43.2		3.5	
~ DYNA-GRO 3521N RR**	42.4		2.0	
~ ASGROW AG 5001	41.8		2.3	
P DELSOY 5500**	41.8		3.5	
PIONEER VARIETY 95B33**	41.7		3.3	
~ EXCEL 8510NRR**	40.8		2.3	
~ PIONEER VARIETY 95B32**	40.7		3.0	
P HUTCHESON	39.1		3.0	
P ANAND**	39.0		2.8	
~ ASGROW AG 5501*	38.9		2.5	
~ SOUTHERN STATES RT-517N**	38.1		3.3	
~ SOUTHERN STATES RT-5609	37.9		2.8	
SOUTHERN STATES SS-5409N**	37.8		3.0	
~ SOUTHERN STATES RT-5399	36.7		3.3	
~ UNISOUTH GENETICS USG 7547RR	36.4		3.0	
P CAVINESS**	33.2		3.5	
~ SOUTHERN STATES RT-540N**	33.0		3.0	
~ LG SEEDS C9545RR	32.8		3.0	
~ CROPLAN GENETICS 556RR**	32.7		2.8	
~ PIONEER VARIETY 95B53**	31.9		3.5	
~ SOUTHERN STATES RT-557N**	31.0		3.3	
~ SOUTHERN STATES RT-560	31.0		2.5	
~ DELTA KING 5368 RR**	30.1		3.8	
~ GATEWAY 5R515**	30.0		2.8	
~ ASGROW AG 5701*	29.3		3.0	
~ HORNBECK HBK R5588**	27.6		2.8	
~ NK BRAND S53-Q7**	26.3		3.0	
GROUP V AVERAGE	36.3		3.0	
LSD (0.10)	4.7		0.5	
GRAND MEAN	39.6		2.1	

~ 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)

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

B 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. 2000 FAYETTE CO. ROUNDUP READY VARIETY TEST

VARIETY / BRAND	YIELD (BU/AC) [^]			LODGING			PLANT HEIGHT (IN) 2000	MATURITY DATE 2000
	2000	99-00	98-00	2000	99-00	98-00		
EARLY (GROUP III)								
PIONEER VARIETY 93B84	80.5	49.9		1.0	1.0		35	9/20
STINE 3800-4	80.1			1.2			32	9/23
SOUTHERN STATES RT-3975	79.2	48.9	45.6	1.3	1.2	2.0	37	9/18
SOUTHERN CROSS-SOLOMON 3.8-RR	78.3			1.0			34	9/18
STINE 3763-4	77.6			1.0			32	9/15
SOUTHERN STATES RT-386	76.7	49.3	44.5	2.2	1.6	2.2	41	9/20
GOLDEN HARVEST H-3983RR	75.5			1.0			31	9/18
ASGROW AG 3901**	74.1	46.9		1.3	1.2		36	9/19
EXP SOUTHERN STATES RT-3799N**	71.6			1.0			32	9/19
GROUP III AVERAGE	77.8	48.8	45.1	1.2	1.3	2.1	34	9/19
LSD (0.10)	6.2	4.8	5.5	0.2	0.2	0.1	2	
MID-SEASON (GROUP IV)								
DELTA KING 4868 RR	84.4	48.5		1.7	1.3		40	10/1
UNISOUTH GENETICS USG 7489RR	83.5			2.2			44	9/28
GREAT LAKES GL 4309 RR**	83.2			1.7			39	9/27
CROPLAN GENETICS 480RR**	83.0	48.7		2.3	1.7		43	10/2
SOUTHERN STATES RT-446N*	81.8	49.3	44.3	2.0	1.5	2.1	41	9/28
CALLAHAN 9480RR	81.7	49.0		2.2	1.6		42	9/29
ASGROW AG 4702**	81.7	49.5	44.7	1.8	1.4	1.9	42	9/30
STINE 4802-4**	81.5			2.3			43	10/3
ATLAS BRAND MYCOGEN-5480NRR**	81.3			2.5			47	10/5
ASGROW AG 4403	80.9			1.7			35	9/21
DEKALB DKB44-51	80.6			1.7			41	9/23
DEKALB CX444cRR**	80.5	48.8	45.4	1.5	1.3	1.9	38	9/22
SOUTHERN STATES SS-RT-4098	80.5			1.7			36	9/20
STINE 4001-4	80.0	49.6		1.8	1.4		35	9/20
LG C4350NRR*	80.0			1.5			39	9/21
ASGROW AG 4301**	79.9	47.7	44.4	1.3	1.2	1.8	37	9/24
HORNBECK HBK R4855	79.9	51.3		2.0	1.5		42	9/25
DPL DP4690RR	79.8			1.7			40	9/27
SOUTHERN CROSS-TITUS 4.8N-RR**	79.6			2.2			42	9/30
NK BRAND S46-G2**	79.3			2.3			45	9/30
SOUTHERN STATES RT-4980	79.0			2.0			43	9/26
DYNA-GRO 3468N RR**	78.9	48.8		1.8	1.4		35	9/27
DPL SG498RR	78.8			1.8			38	10/4
ASGROW AG 4902**	78.6	46.6		2.0	1.5		38	9/30
GATEWAY 4R472	78.1			1.8			41	9/28
VIGORO V492NRR**	77.8			2.3			43	10/1
GOLDEN HARVEST H-4728RR*	77.6			1.5			37	9/23
HORNBECK HBK R4920	77.6			2.2			39	9/26
DEKALB CX414cRR*	77.1	48.1		2.0	1.5		41	9/21
GREAT LAKES GL 4800 RR	77.0			2.0			41	9/26
AGVENTURE VARIETY# AV6468	76.8			1.2			38	9/21
VIGORO V450NRR**	76.7			2.2			41	9/26

(continued on next page)

TABLE 11. 2000 FAYETTE CO. ROUNDUP READY VARIETY TEST (continued)

VARIETY / BRAND	YIELD (BU/AC) ^A			LODGING			PLANT HEIGHT (IN) 2000	MATURITY DATE 2000
	2000	99-00	98-00	2000	99-00	98-00		
PIONEER VARIETY 94B45**	76.7			2.2			47	9/25
STINE 4402-4**	75.6			1.8			38	9/21
PIONEER VARIETY 94B01**	75.5	48.1	42.2	2.0	1.5	1.9	40	9/21
SOUTHERN STATES RT-4495N**	75.3	45.6		1.2	1.1		35	9/21
DPL DP4344RR	75.2	47.3	39.4	2.5	1.8	2.4	46	9/30
CROPLAN GENETICS 466RR**	75.2	46.4	38.1	2.3	1.7	2.1	45	9/30
STINE 4212-4**	74.7			1.7			39	9/20
EXCEL 8410NRR*	74.5			1.0			35	9/19
GOLDEN HARVEST H-4946RR**	74.5			2.3			47	10/1
PIONEER VARIETY 9492**	74.1	45.6	40.5	2.0	1.5	1.9	39	9/30
VIGORO V439NRR**	73.6			1.7			38	9/22
CAVERNDAL CF 465nRR**	73.4	46.2	42.3	2.2	1.6	2.2	45	9/30
HORNBECK HBK R4660**	69.4	42.4		2.3	1.7		47	9/30
CROPLAN GENETICS 4979RR	66.8			3.8			52	10/9
GROUP IV AVERAGE	78.1	47.8	42.4	2.0	1.5	2.0	41	9/26
LSD (0.10)	5.3	2.3	2.7	0.3	0.1	0.2	2	
LATE (GROUP V)								
EXCEL 8510NRR**	78.0	45.4		2.0	1.5		48	10/5
ASGROW AG 5001	72.8	41.7		1.7	1.3		41	10/1
SOUTHERN STATES RT-517N**	72.6	41.1	33.8	2.5	1.8	2.4	40	10/9
EXP UNISOUTH GENETICS USG 510NRR**	72.3			2.5			42	FROST
DELTA KING 5465 RR**	71.9			2.8			41	FROST
DELTA KING 5366 RR**	70.9			4.0			43	FROST
ASGROW AG 5501*	69.3			2.8			43	FROST
PIONEER VARIETY 95B32**	67.6	39.6		2.2	1.6		37	FROST
PIONEER VARIETY 95B53**	65.0			3.0			39	FROST
SOUTHERN STATES RT-557N**	63.0	35.2	30.4	2.8	1.9	2.7	47	FROST
CALLAHAN 9545RR	62.4			2.7			46	FROST
DYNA-GRO 3521N RR**	61.9			2.5			43	FROST
SOUTHERN STATES RT-5399	59.9			2.3			38	FROST
GATEWAY 5R515**	59.7	35.0		3.0	2.0		44	FROST
SOUTHERN STATES RT-540N**	59.4	35.2	29.8	3.0	2.0	2.7	41	FROST
UNISOUTH GENETICS USG 7547RR	58.1	31.9	27.0	3.3	2.2	2.7	39	FROST
NK BRAND S53-Q7**	58.1	32.6		2.8	1.9		41	FROST
SOUTHERN STATES RT-5609	57.7			3.2			43	FROST
SOUTHERN STATES RT-560	57.4	33.2	27.9	2.8	1.9	2.6	42	FROST
CROPLAN GENETICS 556RR**	55.9	33.1	31.1	3.0	2.0	2.7	43	FROST
ASGROW AG 5701*	55.9			4.0			43	FROST
HORNBECK HBK R5588**	54.7	31.4		3.5	2.3		45	FROST
GROUP V AVERAGE	63.8	36.3	30.0	2.8	1.9	2.6	42	FROST
LSD (0.10)	4.1	2.5	3.0	0.4	0.2	0.2	2	
GRAND MEAN	72.0	43.9	38.3	2.1	1.6	2.2	40	

* Resistant to the soybean cyst nematode (Race 3)

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

A 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.



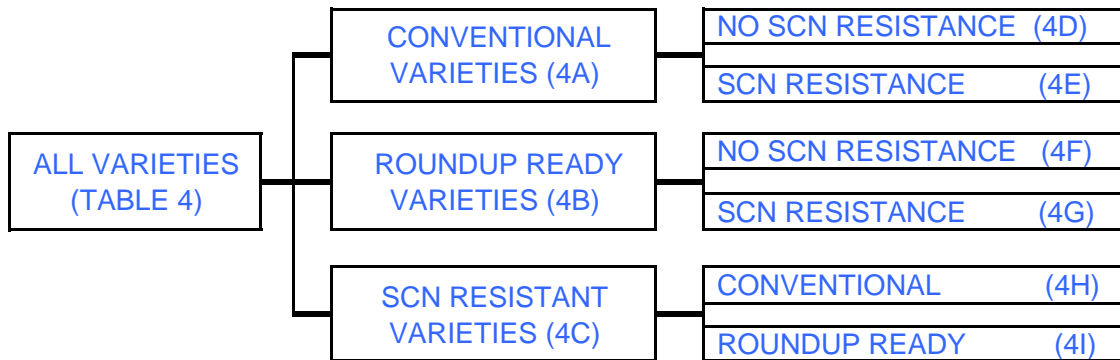
The following pages are not part of the printed PR-435 publication.

The selection key and tables "4A-4I" are a web site feature.

Questions or comments?

Eugene Lacefield
Department of Agronomy
University of Kentucky
N-222C Agriculture Science Center North
Lexington, KY 40546-0091
Tel. (859) 257-2993; FAX (859) 323-1952
e-mail: elace0@pop.uky.edu

**SELECTION KEY TO CREATE SUBSETS OF TABLE 4
(2000 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 2000 yield in the appropriate maturity group.

**BACK TO
LIST OF TABLES
PAGE 1**

This page and the following pages are not part of the printed PR-435 publication. The selection key and tables "4A-4I" are a web site feature which provides alternate views of the Summary Table 4.

TABLE 4. SUMMARY: VARIETY TEST TABLES 5-10

**BACK TO
SELECTION
KEY**

VARIETY / BRAND	YIELD (BU/AC) ^A			LODGING		
	2000	99-00	98-00	2000	99-00	98-00
EARLY (GROUP III)						
STINE 3870-0	65.6			1.8		
PIONEER VARIETY 93B82	64.9	57.2		1.6	1.9	
~ STINE 3800-4	60.8			1.6		
~ STINE 3763-4	60.5			1.3		
~ GOLDEN HARVEST H-3983RR	60.4			1.5		
~ PIONEER VARIETY 93B84	59.7	51.4		1.4	1.5	
SOUTHERN STATES SS-3971	59.4			1.7		
~ SOUTHERN CROSS-SOLOMON 3.8-RR	58.9			1.6		
SOUTHERN STATES SS-3896-STS	57.5			1.5		
~ ASGROW AG 3901**	56.1	49.8		1.8	2.0	
SOUTHERN STATES HT-381-STS	55.4	49.0	47.5	1.8	2.0	2.3
NK BRAND S38-T8**	55.2			1.6		
NS NE 3396 (high protein, high yield)	55.1			1.8		
~ SOUTHERN STATES RT-386	54.1	47.8		1.8	2.0	
NS U97-207427 (high protein, high yield)	53.6			1.6		
~ SOUTHERN STATES RT-3975	53.2	46.6		1.6	1.7	
NS FG 1 (tofu type)	51.4			1.4		
NS PIONEER VARIETY P9305 (tofu type)	51.4			1.4		
NS L91-1552 (natto type)	48.8			2.0		
NS IA 2025 (triple null)	48.1			1.2		
NS IA 3011 (tofu type)	47.4			1.6		
NS U95-3813 (natto type)	46.6			1.2		
GROUP III AVERAGE	55.6	50.3		1.6	1.9	
LSD (0.10)	3.3	2.3		0.2	0.2	
MID-SEASON (GROUP IV)						
SOUTHERN STATES FFR-439	63.9	56.7	54.5	1.7	1.7	2.0
PIONEER VARIETY 94B53**	62.6	55.2		1.8	1.8	
NK BRAND S43-B5	62.3	55.4	55.1	1.5	1.8	2.2
SOUTHERN CROSS-AARON 4.5N-STS**	62.2			1.8		
LG SEEDS C9474	62.1	54.9		2.1	2.2	
NK BRAND S40-C1	62.0			1.5		
GOLDEN HARVEST H-4459STS**	61.7	56.7		1.9	2.0	
DELTA KING 4680	61.7			1.8		
STINE 4702-2**	61.1	54.1		1.9	2.0	
DELTA KING 4711	61.0			2.0		
CAVERNDAL CF 492	60.9	53.5	51.8	1.7	1.9	2.0
~ DPL DP4690RR	60.8			1.8		
~ DYNA-GRO 3468N RR**	60.7	54.8		1.5	1.7	
SOUTHERN STATES FFR-493	60.7	53.0	51.3	1.7	1.7	1.8
PIONEER VARIETY 9482	60.7	53.4	52.5	1.9	1.9	2.2
GATEWAY 471**	60.2			2.0		
~ GATEWAY 4R472	59.8			2.0		
STINE 4790	59.7	52.9		1.8	2.0	
~ CROPLAN GENETICS 480RR**	59.6	53.4		1.8	2.0	
ASGROW AG 4324	59.4			1.6		
~ ASGROW AG 4403	59.2			1.5		
P TROLL	59.1	52.6		1.3	1.3	
~ SOUTHERN STATES SS-RT-4098	59.0			1.6		
GOLDEN HARVEST H-4755	59.0			1.8		
ASGROW AG 4604**	58.6	52.9	51.2	1.9	2.1	2.4
~ STINE 4001-4	58.6	52.9		1.6	1.9	
~ DELTA KING 4868 RR	58.5	52.8		1.5	1.7	
SOUTHERN STATES SS-4483N**	58.5			1.7		
SOUTHERN STATES SS-4299N**	58.3			1.6		
~ EXCEL 8410NRR*	58.2			1.6		
~ STINE 4402-4**	58.2			1.8		

TABLE 4. SUMMARY: VARIETY TEST TABLES 5-10

**BACK TO
SELECTION
KEY**

VARIETY / BRAND	YIELD (BU/AC) ^A			LODGING		
	2000	99-00	98-00	2000	99-00	98-00
P STRESSLAND	58.0	52.7	52.0	1.8	2.0	2.3
P REND**	57.9	52.6		2.2	2.3	
~ SOUTHERN CROSS-TITUS 4.8N-RR**	57.6			1.7		
NK BRAND S42-H1**	57.5			1.6		
~ LG SEEDS C9480RR	57.4	50.5		1.9	2.0	
~ GOLDEN HARVEST H-4728RR*	57.4			1.9		
~ STINE 4212-4**	57.1			1.4		
~ AGVENTURE VARIETY# AV6468	57.0			1.5		
LG SEEDS C4344N*	57.0			1.5		
~ GREAT LAKES GL 4800 RR	56.9			1.8		
~ ASGROW AG 4301**	56.8	51.9		1.5	1.7	
GOLDEN HARVEST H-4516*	56.6	52.6		1.8	1.9	
P MANOKIN*	56.6	48.8	45.5	2.5	2.5	2.7
~ ATLAS BRAND MYCOGEN-5480NRR**	56.6			1.9		
UNISOUTH GENETICS USG 7499	56.4	49.2	46.6	1.8	1.9	2.1
~ VIGORO V450NRR**	56.4			1.8		
~ HORNBECK HBK R4920	56.3			2.1		
~ ASGROW AG 4902**	56.1	50.9		1.8	1.9	
HORNBECK HBK 4891	56.1	51.6		1.7	1.9	
~ DPL SG498RR	56.0			1.6		
~ ASGROW AG 4702**	55.9	50.6		1.6	1.7	
AGVENTURE VARIETY# AV1468**	55.7			1.8		
~ GREAT LAKES GL 4309 RR**	55.6			1.4		
~ NK BRAND S46-G2**	55.4			1.7		
~ PIONEER VARIETY 9492**	55.2	50.2	48.1	1.6	1.8	1.9
~ LG SEEDS C4350NRR*	55.1			1.4		
CAVERNDALE CF 461	55.0	49.1	49.7	1.9	1.9	2.3
STINE 4199-2**	55.0			1.6		
~ SOUTHERN STATES RT-4980	55.0			1.7		
~ GOLDEN HARVEST H-4946RR**	55.0			1.9		
~ DEKALB CX444cRR**	54.9	49.5		1.6	1.7	
SOUTHERN CROSS-JAMES 4.1N**	54.7	49.3		1.8	2.0	
~ SOUTHERN STATES RT-446N*	54.7	49.5		1.7	1.8	
SOUTHERN STATES FFR-4985-STs	54.6	47.8	43.8	3.0	2.8	3.1
SOUTHERN CROSS-JOSHUA 4.8	54.6			1.9		
~ PIONEER VARIETY 94B01**	54.4	49.2	49.6	1.4	1.5	1.8
~ SOUTHERN STATES RT-4495N**	54.3	49.8		1.2	1.4	
~ VIGORO V492NRR**	54.3			1.7		
~ DEKALB DKB44-51	54.2			1.3		
~ STINE 4802-4**	54.2			1.8		
~ DEKALB CX414cRR*	54.1	48.2		1.8	1.9	
~ UNISOUTH GENETICS USG 7489RR	53.9			1.8		
NS L96-5104 (natto type)	53.6			1.9		
~ PIONEER VARIETY 94B45**	53.5			1.5		
~ HORNBECK HBK R4660**	53.3	48.1		1.8	1.8	
~ VIGORO V439NRR**	53.0			1.5		
~ CROPLAN GENETICS 466RR**	52.7	46.7		1.9	1.8	
P INA**	52.7	47.2		2.4	2.4	
~ CAVERNDALE CF 465nRR**	52.5	46.9		1.6	1.7	
~ DPL DP4344RR	52.1	46.5		2.1	2.1	
~ HORNBECK HBK R4855	51.7	47.2		1.6	1.8	
P CALHOUN	49.9	44.7	46.3	1.2	1.3	1.5
P PHARAOH*	49.5	45.2	43.5	1.8	1.8	2.1
NS IA 4001 (natto type)	48.8			2.8		
NS K 1431 (high protein)	48.6			2.5		
~ CROPLAN GENETICS 4979RR	44.9			2.6		
GROUP IV AVERAGE	56.7	51.0	49.4	1.8	1.9	2.2
LSD (0.10)	3.2	2.5	2.2	0.2	0.2	0.2

TABLE 4. SUMMARY: VARIETY TEST TABLES 5-10

**BACK TO
SELECTION
KEY**

VARIETY / BRAND	YIELD (BU/AC) ^A			LODGING		
	2000	99-00	98-00	2000	99-00	98-00
LATE (GROUP V)						
~ ASGROW AG 5001	56.9	49.0		1.8	1.9	
PIONEER VARIETY 95B33**	56.5			2.0		
~ DELTA KING 5465 RR**	54.5			1.9		
~ SOUTHERN STATES RT-517N**	54.3	46.1		2.3	2.1	
P HUTCHESON	54.3	47.6	46.8	2.3	2.2	2.5
P HOLLADAY	54.3	46.9	47.6	2.2	2.2	2.5
~ PIONEER VARIETY 95B32**	54.1	45.9		1.9	1.9	
~ ASGROW AG 5501*	54.1			2.1		
KAS CHEROKEE 516*	53.9	45.4	44.4	1.8	1.8	2.1
~ EXCEL 8510NRR**	52.4	45.1		1.8	1.8	
P DELSOY 5500**	52.3			2.4		
SOUTHERN STATES SS-5409N**	52.0			2.1		
~ DYNA-GRO 3521N RR**	51.6			1.9		
P ANAND**	50.2	43.3	43.6	1.8	1.7	2.1
~ PIONEER VARIETY 95B53**	49.1			2.7		
~ SOUTHERN STATES RT-540N**	48.8	43.5		2.3	2.1	
~ SOUTHERN STATES RT-5399	48.8			3.0		
~ SOUTHERN STATES RT-5609	48.3			2.5		
~ UNISOUTH GENETICS USG 7547RR	48.0	41.5		2.4	2.3	
~ SOUTHERN STATES RT-560	47.8	41.6		2.3	2.2	
P CAVINESS**	47.8	42.9		3.3	2.8	
~ DELTA KING 5366 RR**	47.1			3.2		
~ GATEWAY 5R515**	46.8	40.1		2.3	2.2	
~ LG SEEDS C9545RR	46.5			2.5		
~ SOUTHERN STATES RT-557N**	46.0	40.0		2.9	2.6	
~ CROPLAN GENETICS 556RR**	44.6	40.2		2.3	2.1	
~ HORNBECK HBK R5588**	44.5	39.0		2.9	2.7	
~ ASGROW AG 5701*	44.0			3.1		
~ NK BRAND S53-Q7**	43.5	38.7		2.3	2.1	
GROUP V AVERAGE	50.1	43.3	45.6	2.4	2.2	2.3
LSD (0.10)	2.7	2.5	2.3	0.2	0.2	0.2
GRAND MEAN	55.1	48.9	48.6	1.9	2.0	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)

^A 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 2000 Summary Table 4

**BACK TO
SELECTION
KEY**

VARIETY / BRAND	YIELD (BU/AC) ^A			LODGING		
	2000	99-00	98-00	2000	99-00	98-00
EARLY (GROUP III)						
STINE 3870-0	65.6			1.8		
PIONEER VARIETY 93B82	64.9	57.2		1.6	1.9	
SOUTHERN STATES SS-3971	59.4			1.7		
SOUTHERN STATES SS-3896-ST5	57.5			1.5		
SOUTHERN STATES HT-381-ST5	55.4	49.0	47.5	1.8	2.0	2.3
NK BRAND S38-T8**	55.2			1.6		
NS NE 3396 (high protein, high yield)	55.1			1.8		
NS U97-207427 (high protein, high yield)	53.6			1.6		
NS FG 1 (tofu type)	51.4			1.4		
NS PIONEER VARIETY P9305 (tofu type)	51.4			1.4		
NS L91-1552 (natto type)	48.8			2.0		
NS IA 2025 (triple null)	48.1			1.2		
NS IA 3011 (tofu type)	47.4			1.6		
NS U95-3813 (natto type)	46.6			1.2		
GROUP III AVERAGE	54.3	53.1		1.5	1.9	
LSD (0.10)	3.3	2.3		0.2	0.2	
MID-SEASON (GROUP IV)						
SOUTHERN STATES FFR-439	63.9	56.7	54.5	1.7	1.7	2.0
PIONEER VARIETY 94B53**	62.6	55.2		1.8	1.8	
NK BRAND S43-B5	62.3	55.4	55.1	1.5	1.8	2.2
SOUTHERN CROSS-AARON 4.5N-ST5**	62.2			1.8		
LG SEEDS C9474	62.1	54.9		2.1	2.2	
NK BRAND S40-C1	62.0			1.5		
GOLDEN HARVEST H-4459ST5**	61.7	56.7		1.9	2.0	
DELTA KING 4680	61.7			1.8		
STINE 4702-2**	61.1	54.1		1.9	2.0	
DELTA KING 4711	61.0			2.0		
CAVERNDALE CF 492	60.9	53.5	51.8	1.7	1.9	2.0
SOUTHERN STATES FFR-493	60.7	53.0	51.3	1.7	1.7	1.8
PIONEER VARIETY 9482	60.7	53.4	52.5	1.9	1.9	2.2
GATEWAY 471**	60.2			2.0		
STINE 4790	59.7	52.9		1.8	2.0	
ASGROW AG 4324	59.4			1.6		
P TROLL	59.1	52.6		1.3	1.3	
GOLDEN HARVEST H-4755	59.0			1.8		
ASGROW AG 4604**	58.6	52.9	51.2	1.9	2.1	2.4
SOUTHERN STATES SS-4483N**	58.5			1.7		
SOUTHERN STATES SS-4299N**	58.3			1.6		
P STRESSLAND	58.0	52.7	52.0	1.8	2.0	2.3
P REND**	57.9	52.6		2.2	2.3	
NK BRAND S42-H1**	57.5			1.6		
LG SEEDS C4344N*	57.0			1.5		
P MANOKIN*	56.6	48.8	45.5	2.5	2.5	2.7
GOLDEN HARVEST H-4516*	56.6	52.6		1.8	1.9	
UNISOUTH GENETICS USG 7499	56.4	49.2	46.6	1.8	1.9	2.1
HORNBECK HBK 4891	56.1	51.6		1.7	1.9	
AGVENTURE VARIETY# AV1468**	55.7			1.8		
CAVERNDALE CF 461	55.0	49.1	49.7	1.9	1.9	2.3
STINE 4199-2**	55.0			1.6		

TABLE 4A. Conventional varieties - subset of the 2000 Summary Table 4

**BACK TO
SELECTION
KEY**

VARIETY / BRAND	YIELD (BU/AC) ^A			LODGING		
	2000	99-00	98-00	2000	99-00	98-00
SOUTHERN CROSS-JAMES 4.1N**	54.7	49.3		1.8	2.0	
SOUTHERN STATES FFR-4985-STS	54.6	47.8	43.8	3.0	2.8	3.1
SOUTHERN CROSS-JOSHUA 4.8	54.6			1.9		
NS L96-5104 (natto type)	53.6			1.9		
P INA**	52.7	47.2		2.4	2.4	
P CALHOUN	49.9	44.7	46.3	1.2	1.3	1.5
P PHARAOH*	49.5	45.2	43.5	1.8	1.8	2.1
NS IA 4001 (natto type)	48.8			2.8		
NS K 1431 (high protein)	48.6			2.5		
GROUP IV AVERAGE	57.7	51.8	49.5	1.9	2.0	2.2
LSD (0.10)	3.2	2.5	2.2	0.2	0.2	0.2
LATE (GROUP V)						
PIONEER VARIETY 95B33**	56.5			2.0		
P HUTCHESON	54.3	47.6	46.8	2.3	2.2	2.5
P HOLLADAY	54.3	46.9	47.6	2.2	2.2	2.5
KAS CHEROKEE 516*	53.9	45.4	44.4	1.8	1.8	2.1
P DELSOY 5500**	52.3			2.4		
SOUTHERN STATES SS-5409N**	52.0			2.1		
P ANAND**	50.2	43.3	43.6	1.8	1.7	2.1
P CAVINESS**	47.8	42.9		3.3	2.8	
GROUP V AVERAGE	50.1	43.3	45.6	2.4	2.2	2.3
LSD (0.10)	2.7	2.5	2.3	0.2	0.2	0.2
GRAND MEAN	55.1	48.9	48.6	1.9	2.0	2.2

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)

^A 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 2000 Summary Table 4

**BACK TO
SELECTION
KEY**

VARIETY / BRAND	YIELD (BU/AC) ^A			LODGING		
	2000	99-00	98-00	2000	99-00	98-00
EARLY (GROUP III)						
~ STINE 3800-4	60.8			1.6		
~ STINE 3763-4	60.5			1.3		
~ GOLDEN HARVEST H-3983RR	60.4			1.5		
~ PIONEER VARIETY 93B84	59.7	51.4		1.4	1.5	
~ SOUTHERN CROSS-SOLOMON 3.8-RR	58.9			1.6		
~ ASGROW AG 3901**	56.1	49.8		1.8	2.0	
~ SOUTHERN STATES RT-386	54.1	47.8		1.8	2.0	
~ SOUTHERN STATES RT-3975	53.2	46.6		1.6	1.7	
GROUP III AVERAGE	58.0	48.9		1.6	1.8	
LSD (0.10)	3.3	2.3		0.2	0.2	
MID-SEASON (GROUP IV)						
~ DPL DP4690RR	60.8			1.8		
~ DYNA-GRO 3468N RR**	60.7	54.8		1.5	1.7	
~ GATEWAY 4R472	59.8			2.0		
~ CROPLAN GENETICS 480RR**	59.6	53.4		1.8	2.0	
~ ASGROW AG 4403	59.2			1.5		
~ SOUTHERN STATES SS-RT-4098	59.0			1.6		
~ STINE 4001-4	58.6	52.9		1.6	1.9	
~ DELTA KING 4868 RR	58.5	52.8		1.5	1.7	
~ EXCEL 8410NRR*	58.2			1.6		
~ STINE 4402-4**	58.2			1.8		
~ SOUTHERN CROSS-TITUS 4.8N-RR**	57.6			1.7		
~ LG SEEDS C9480RR	57.4	50.5		1.9	2.0	
~ GOLDEN HARVEST H-4728RR*	57.4			1.9		
~ STINE 4212-4**	57.1			1.4		
~ AGVENTURE VARIETY# AV6468	57.0			1.5		
~ GREAT LAKES GL 4800 RR	56.9			1.8		
~ ASGROW AG 4301**	56.8	51.9		1.5	1.7	
~ ATLAS BRAND MYCOGEN-5480NRR**	56.6			1.9		
~ VIGORO V450NRR**	56.4			1.8		
~ HORNBECK HBK R4920	56.3			2.1		
~ ASGROW AG 4902**	56.1	50.9		1.8	1.9	
~ DPL SG498RR	56.0			1.6		
~ ASGROW AG 4702**	55.9	50.6		1.6	1.7	
~ GREAT LAKES GL 4309 RR**	55.6			1.4		
~ NK BRAND S46-G2**	55.4			1.7		
~ PIONEER VARIETY 9492**	55.2	50.2	48.1	1.6	1.8	1.9
~ LG SEEDS C4350NRR*	55.1			1.4		
~ SOUTHERN STATES RT-4980	55.0			1.7		
~ GOLDEN HARVEST H-4946RR**	55.0			1.9		
~ DEKALB CX444cRR**	54.9	49.5		1.6	1.7	
~ SOUTHERN STATES RT-446N*	54.7	49.5		1.7	1.8	
~ PIONEER VARIETY 94B01**	54.4	49.2	49.6	1.4	1.5	1.8
~ SOUTHERN STATES RT-4495N**	54.3	49.8		1.2	1.4	
~ VIGORO V492NRR**	54.3			1.7		
~ DEKALB DKB44-51	54.2			1.3		
~ STINE 4802-4**	54.2			1.8		
~ DEKALB CX414cRR*	54.1	48.2		1.8	1.9	
~ UNISOUTH GENETICS USG 7489RR	53.9			1.8		

TABLE 4B. Roundup Ready varieties - subset of the 2000 Summary Table 4

**BACK TO
SELECTION
KEY**

VARIETY / BRAND	YIELD (BU/AC) ^A			LODGING		
	2000	99-00	98-00	2000	99-00	98-00
~ PIONEER VARIETY 94B45**	53.5			1.5		
~ HORNBECK HBK R4660**	53.3	48.1		1.8	1.8	
~ VIGORO V439NRR**	53.0			1.5		
~ CROPLAN GENETICS 466RR**	52.7	46.7		1.9	1.8	
~ CAVERNDALE CF 465nRR**	52.5	46.9		1.6	1.7	
~ DPL DP4344RR	52.1	46.5		2.1	2.1	
~ HORNBECK HBK R4855	51.7	47.2		1.6	1.8	
~ CROPLAN GENETICS 4979RR	44.9			2.6		
GROUP IV AVERAGE	55.7	50.0	48.9	1.7	1.8	1.9
LSD (0.10)	3.2	2.5	2.2	0.2	0.2	0.2
LATE (GROUP V)						
~ ASGROW AG 5001	56.9	49.0		1.8	1.9	
~ DELTA KING 5465 RR**	54.5			1.9		
~ SOUTHERN STATES RT-517N**	54.3	46.1		2.3	2.1	
~ PIONEER VARIETY 95B32**	54.1	45.9		1.9	1.9	
~ ASGROW AG 5501*	54.1			2.1		
~ EXCEL 8510NRR**	52.4	45.1		1.8	1.8	
~ DYNA-GRO 3521N RR**	51.6			1.9		
~ PIONEER VARIETY 95B53**	49.1			2.7		
~ SOUTHERN STATES RT-540N**	48.8	43.5		2.3	2.1	
~ SOUTHERN STATES RT-5399	48.8			3.0		
~ SOUTHERN STATES RT-5609	48.3			2.5		
~ UNISOUTH GENETICS USG 7547RR	48.0	41.5		2.4	2.3	
~ SOUTHERN STATES RT-560	47.8	41.6		2.3	2.2	
~ DELTA KING 5366 RR**	47.1			3.2		
~ GATEWAY 5R515**	46.8	40.1		2.3	2.2	
~ LG SEEDS C9545RR	46.5			2.5		
~ SOUTHERN STATES RT-557N**	46.0	40.0		2.9	2.6	
~ CROPLAN GENETICS 556RR**	44.6	40.2		2.3	2.1	
~ HORNBECK HBK R5588**	44.5	39.0		2.9	2.7	
~ ASGROW AG 5701*	44.0			3.1		
~ NK BRAND S53-Q7**	43.5	38.7		2.3	2.1	
GROUP V AVERAGE	49.1	42.6		2.4	2.2	
LSD (0.10)	2.7	2.5		0.2	0.2	
GRAND MEAN	54.1	47.3	48.9	1.9	1.9	1.9

~ Roundup Ready variety

* Resistant to the soybean cyst nematode (Race 3)

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

^A 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 2000 Summary Table 4

**BACK TO
SELECTION
KEY**

VARIETY / BRAND	YIELD (BU/AC) ^A			LODGING		
	2000	99-00	98-00	2000	99-00	98-00
EARLY (GROUP III)						
~ ASGROW AG 3901**	56.1	49.8		1.8	2.0	
NK BRAND S38-T8**	55.2			1.6		
GROUP III AVERAGE	55.7			1.7		
LSD (0.10)	3.3			0.2		
MID-SEASON (GROUP IV)						
PIONEER VARIETY 94B53**	62.6	55.2		1.8	1.8	
SOUTHERN CROSS-AARON 4.5N-ST5**	62.2			1.8		
GOLDEN HARVEST H-4459STS**	61.7	56.7		1.9	2.0	
STINE 4702-2**	61.1	54.1		1.9	2.0	
~ DYNA-GRO 3468N RR**	60.7	54.8		1.5	1.7	
GATEWAY 471**	60.2			2.0		
~ CROPLAN GENETICS 480RR**	59.6	53.4		1.8	2.0	
ASGROW AG 4604**	58.6	52.9	51.2	1.9	2.1	2.4
SOUTHERN STATES SS-4483N**	58.5			1.7		
SOUTHERN STATES SS-4299N**	58.3			1.6		
~ EXCEL 8410NRR*	58.2			1.6		
~ STINE 4402-4**	58.2			1.8		
P REND**	57.9	52.6		2.2	2.3	
~ SOUTHERN CROSS-TITUS 4.8N-RR**	57.6			1.7		
NK BRAND S42-H1**	57.5			1.6		
~ GOLDEN HARVEST H-4728RR*	57.4			1.9		
~ STINE 4212-4**	57.1			1.4		
LG SEEDS C4344N*	57.0			1.5		
~ ASGROW AG 4301**	56.8	51.9		1.5	1.7	
GOLDEN HARVEST H-4516*	56.6	52.6		1.8	1.9	
P MANOKIN*	56.6	48.8	45.5	2.5	2.5	2.7
~ ATLAS BRAND MYCOGEN-5480NRR**	56.6			1.9		
~ VIGORO V450NRR**	56.4			1.8		
~ ASGROW AG 4902**	56.1	50.9		1.8	1.9	
~ ASGROW AG 4702**	55.9	50.6		1.6	1.7	
AGVENTURE VARIETY# AV1468**	55.7			1.8		
~ GREAT LAKES GL 4309 RR**	55.6			1.4		
~ NK BRAND S46-G2**	55.4			1.7		
~ PIONEER VARIETY 9492**	55.2	50.2	48.1	1.6	1.8	1.9
~ LG SEEDS C4350NRR*	55.1			1.4		
STINE 4199-2**	55.0			1.6		
~ GOLDEN HARVEST H-4946RR**	55.0			1.9		
~ DEKALB CX444cRR**	54.9	49.5		1.6	1.7	
SOUTHERN CROSS-JAMES 4.1N**	54.7	49.3		1.8	2.0	
~ SOUTHERN STATES RT-446N*	54.7	49.5		1.7	1.8	
~ PIONEER VARIETY 94B01**	54.4	49.2	49.6	1.4	1.5	1.8
~ SOUTHERN STATES RT-4495N**	54.3	49.8		1.2	1.4	
~ VIGORO V492NRR**	54.3			1.7		
~ STINE 4802-4**	54.2			1.8		
~ DEKALB CX414cRR*	54.1	48.2		1.8	1.9	
~ PIONEER VARIETY 94B45**	53.5			1.5		
~ HORNBECK HBK R4660**	53.3	48.1		1.8	1.8	
~ VIGORO V439NRR**	53.0			1.5		
~ CROPLAN GENETICS 466RR**	52.7	46.7		1.9	1.8	

TABLE 4C. SCN resistant varieties - subset of the 2000 Summary Table 4

**BACK TO
SELECTION
KEY**

VARIETY / BRAND	YIELD (BU/AC) ^A			LODGING		
	2000	99-00	98-00	2000	99-00	98-00
P INA**	52.7	47.2		2.4	2.4	
~ CAVERNDALE CF 465nRR**	52.5	46.9		1.6	1.7	
P PHARAOH*	49.5	45.2	43.5	1.8	1.8	2.1
GROUP IV AVERAGE	56.4	50.6	47.6	1.7	1.9	2.2
LSD (0.10)	3.2	2.5	2.2	0.2	0.2	0.2
LATE (GROUP V)						
PIONEER VARIETY 95B33**	56.5			2.0		
~ DELTA KING 5465 RR**	54.5			1.9		
~ SOUTHERN STATES RT-517N**	54.3	46.1		2.3	2.1	
~ PIONEER VARIETY 95B32**	54.1	45.9		1.9	1.9	
~ ASGROW AG 5501*	54.1			2.1		
KAS CHEROKEE 516*	53.9	45.4	44.4	1.8	1.8	2.1
~ EXCEL 8510NRR**	52.4	45.1		1.8	1.8	
P DELSOY 5500**	52.3			2.4		
SOUTHERN STATES SS-5409N**	52.0			2.1		
~ DYNA-GRO 3521N RR**	51.6			1.9		
P ANAND**	50.2	43.3	43.6	1.8	1.7	2.1
~ PIONEER VARIETY 95B53**	49.1			2.7		
~ SOUTHERN STATES RT-540N**	48.8	43.5		2.3	2.1	
P CAVINESS**	47.8	42.9		3.3	2.8	
~ DELTA KING 5366 RR**	47.1			3.2		
~ GATEWAY 5R515**	46.8	40.1		2.3	2.2	
~ SOUTHERN STATES RT-557N**	46.0	40.0		2.9	2.6	
~ CROPLAN GENETICS 556RR**	44.6	40.2		2.3	2.1	
~ HORNBECK HBK R5588**	44.5	39.0		2.9	2.7	
~ ASGROW AG 5701*	44.0			3.1		
~ NK BRAND S53-Q7**	43.5	38.7		2.3	2.1	
GROUP V AVERAGE	49.9	42.5	44.0	2.3	2.2	2.1
LSD (0.10)	2.7	2.5	2.3	0.2	0.2	0.2
GRAND MEAN	27.6	26.9	16.3	1.0	1.1	0.8

~ 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)

^A 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 2000 Summary Table 4

VARIETY / BRAND	YIELD (BU/AC) ^A			LODGING		
	2000	99-00	98-00	2000	99-00	98-00
EARLY (GROUP III)						
STINE 3870-0	65.6			1.8		
PIONEER VARIETY 93B82	64.9	57.2		1.6	1.9	
SOUTHERN STATES SS-3971	59.4			1.7		
SOUTHERN STATES SS-3896-ST5	57.5			1.5		
SOUTHERN STATES HT-381-ST5	55.4	49.0	47.5	1.8	2.0	2.3
NS NE 3396 (high protein, high yield)	55.1			1.8		
NS U97-207427 (high protein, high yield)	53.6			1.6		
NS FG 1 (tofu type)	51.4			1.4		
NS PIONEER VARIETY P9305 (tofu type)	51.4			1.4		
NS L91-1552 (natto type)	48.8			2.0		
NS IA 2025 (triple null)	48.1			1.2		
NS IA 3011 (tofu type)	47.4			1.6		
NS U95-3813 (natto type)	46.6			1.2		
GROUP III AVERAGE	54.2	53.1		1.6	2.0	
LSD (0.10)	3.3	2.3		0.2	0.2	
MID-SEASON (GROUP IV)						
SOUTHERN STATES FFR-439	63.9	56.7	54.5	1.7	1.7	2.0
NK BRAND S43-B5	62.3	55.4	55.1	1.5	1.8	2.2
LG SEEDS C9474	62.1	54.9		2.1	2.2	
NK BRAND S40-C1	62.0			1.5		
DELTA KING 4680	61.7			1.8		
DELTA KING 4711	61.0			2.0		
CAVERNDALE CF 492	60.9	53.5	51.8	1.7	1.9	2.0
SOUTHERN STATES FFR-493	60.7	53.0	51.3	1.7	1.7	1.8
PIONEER VARIETY 9482	60.7	53.4	52.5	1.9	1.9	2.2
STINE 4790	59.7	52.9		1.8	2.0	
ASGROW AG 4324	59.4			1.6		
P TROLL	59.1	52.6		1.3	1.3	
GOLDEN HARVEST H-4755	59.0			1.8		
P STRESSLAND	58.0	52.7	52.0	1.8	2.0	2.3
UNISOUTH GENETICS USG 7499	56.4	49.2	46.6	1.8	1.9	2.1
HORNBECK HBK 4891	56.1	51.6		1.7	1.9	
CAVERNDALE CF 461	55.0	49.1	49.7	1.9	1.9	2.3
SOUTHERN STATES FFR-4985-ST5	54.6	47.8	43.8	3.0	2.8	3.1
SOUTHERN CROSS-JOSHUA 4.8	54.6			1.9		
NS L96-5104 (natto type)	53.6			1.9		
P CALHOUN	49.9	44.7	46.3	1.2	1.3	1.5
NS IA 4001 (natto type)	48.8			2.8		
NS K 1431 (high protein)	48.6			2.5		
GROUP IV AVERAGE	57.7	52.0	50.4	1.9	1.9	2.2
LSD (0.10)	3.2	2.5	2.2	0.2	0.2	0.2

[BACK TO SELECTION KEY](#)

TABLE 4D. Conventional varieties with no SCN resistance - subset of the 2000 Summary Table 4

VARIETY / BRAND	YIELD (BU/AC) ^A			LODGING		
	2000	99-00	98-00	2000	99-00	98-00
LATE (GROUP V)						
P HUTCHESON	54.3	47.6	46.8	2.3	2.2	2.5
P HOLLADAY	54.3	46.9	47.6	2.2	2.2	2.5
GROUP V AVERAGE	54.3	47.3	47.2	2.3	2.2	2.5
LSD (0.10)	2.7	2.5	2.3	0.2	0.2	0.2
GRAND MEAN	31.5	32.0	49.7	1.0	1.2	2.2

[BACK TO SELECTION KEY](#)

~ 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.

^A 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 2000 Summary Table 4^A

[BACK TO SELECTION KEY](#)

VARIETY / BRAND	YIELD (BU/AC) ^A			LODGING		
	2000	99-00	98-00	2000	99-00	98-00
EARLY (GROUP III)						
NK BRAND S38-T8**	55.2			1.6		
GROUP III AVERAGE						
LSD (0.10)						
MID-SEASON (GROUP IV)						
PIONEER VARIETY 94B53**	62.6	55.2		1.8	1.8	
SOUTHERN CROSS-AARON 4.5N-ST5**	62.2			1.8		
GOLDEN HARVEST H-4459ST5**	61.7	56.7		1.9	2.0	
STINE 4702-2**	61.1	54.1		1.9	2.0	
GATEWAY 471**	60.2			2.0		
ASGROW AG 4604**	58.6	52.9	51.2	1.9	2.1	2.4
SOUTHERN STATES SS-4483N**	58.5			1.7		
SOUTHERN STATES SS-4299N**	58.3			1.6		
P REND**	57.9	52.6		2.2	2.3	
NK BRAND S42-H1**	57.5			1.6		
LG SEEDS C4344N*	57.0			1.5		
P MANOKIN*	56.6	48.8	45.5	2.5	2.5	2.7
GOLDEN HARVEST H-4516*	56.6	52.6		1.8	1.9	
AGVENTURE VARIETY# AV1468**	55.7			1.8		
STINE 4199-2**	55.0			1.6		
SOUTHERN CROSS-JAMES 4.1N**	54.7	49.3		1.8	2.0	
P INA**	52.7	47.2		2.4	2.4	
P PHARAOH*	49.5	45.2	43.5	1.8	1.8	2.1
GROUP IV AVERAGE	57.6	51.5	46.7	1.9	2.1	2.4
LSD (0.10)	3.2	2.5	2.2	0.2	0.2	0.2
LATE (GROUP V)						
PIONEER VARIETY 95B33**	56.5			2.0		
P HUTCHESON	54.3	47.6	46.8	2.3	2.2	2.5
P HOLLADAY	54.3	46.9	47.6	2.2	2.2	2.5
KAS CHEROKEE 516*	53.9	45.4	44.4	1.8	1.8	2.1
P DELSOY 5500**	52.3			2.4		
SOUTHERN STATES SS-5409N**	52.0			2.1		
P ANAND**	50.2	43.3	43.6	1.8	1.7	2.1
P CAVINESS**	47.8	42.9		3.3	2.8	
GROUP V AVERAGE	52.7	45.2	45.6	2.2	2.1	2.3
LSD (0.10)	2.7	2.5	2.3	0.2	0.2	0.2
GRAND MEAN	56.0	49.4	46.1	2.0	2.1	2.3

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)

^A 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 variety with no SCN resistance - subset of the2000 Summary Table 4

VARIETY / BRAND	YIELD (BU/AC) ^A			LODGING		
	2000	99-00	98-00	2000	99-00	98-00
EARLY (GROUP III)						
~ STINE 3800-4	60.8			1.6		
~ STINE 3763-4	60.5			1.3		
~ GOLDEN HARVEST H-3983RR	60.4			1.5		
~ PIONEER VARIETY 93B84	59.7	51.4		1.4	1.5	
~ SOUTHERN CROSS-SOLOMON 3.8-RR	58.9			1.6		
~ SOUTHERN STATES RT-386	54.1	47.8		1.8	2.0	
~ SOUTHERN STATES RT-3975	53.2	46.6		1.6	1.7	
GROUP III AVERAGE	58.2	48.6		1.5	1.7	
LSD (0.10)	3.3	2.3		0.2	0.2	
MID-SEASON (GROUP IV)						
~ DPL DP4690RR	60.8			1.8		
~ GATEWAY 4R472	59.8			2.0		
~ ASGROW AG 4403	59.2			1.5		
~ SOUTHERN STATES SS-RT-4098	59.0			1.6		
~ STINE 4001-4	58.6	52.9		1.6	1.9	
~ DELTA KING 4868 RR	58.5	52.8		1.5	1.7	
~ LG SEEDS C9480RR	57.4	50.5		1.9	2.0	
~ AGVENTURE VARIETY# AV6468	57.0			1.5		
~ GREAT LAKES GL 4800 RR	56.9			1.8		
~ HORNBECK HBK R4920	56.3			2.1		
~ DPL SG498RR	56.0			1.6		
~ SOUTHERN STATES RT-4980	55.0			1.7		
~ DEKALB DKB44-51	54.2			1.3		
~ UNISOUTH GENETICS USG 7489RR	53.9			1.8		
~ DPL DP4344RR	52.1	46.5		2.1	2.1	
~ HORNBECK HBK R4855	51.7	47.2		1.6	1.8	
~ CROPLAN GENETICS 4979RR	44.9			2.6		
GROUP IV AVERAGE	56.0	50.0		1.8	1.9	
LSD (0.10)	3.2	2.5		0.2	0.2	
LATE (GROUP V)						
~ ASGROW AG 5001	56.9	49.0		1.8	1.9	
~ SOUTHERN STATES RT-5399	48.8			3.0		
~ SOUTHERN STATES RT-5609	48.3			2.5		
~ UNISOUTH GENETICS USG 7547RR	48.0	41.5		2.4	2.3	
~ SOUTHERN STATES RT-560	47.8	41.6		2.3	2.2	
~ LG SEEDS C9545RR	46.5			2.5		
GROUP V AVERAGE	49.4	44.0		2.4	2.1	
LSD (0.10)	2.7	2.5		0.2	0.2	
GRAND MEAN	55.2	48.0		1.8	1.9	

[BACK TO SELECTION KEY](#)

~ Roundup Ready variety

TABLE 4G. Roundup Ready varieties with SCN resistance - subset of the 2000 Summary Table 4

VARIETY / BRAND	YIELD (BU/AC) ^A			LODGING		
	2000	99-00	98-00	2000	99-00	98-00
EARLY (GROUP III)						
~ ASGROW AG 3901**	56.1	49.8		1.8	2.0	
GROUP III AVERAGE						
LSD (0.10)						
MID-SEASON (GROUP IV)						
~ DYNA-GRO 3468N RR**	60.7	54.8		1.5	1.7	
~ CROPLAN GENETICS 480RR**	59.6	53.4		1.8	2.0	
~ EXCEL 8410NRR*	58.2			1.6		
~ STINE 4402-4**	58.2			1.8		
~ SOUTHERN CROSS-TITUS 4.8N-RR**	57.6			1.7		
~ GOLDEN HARVEST H-4728RR*	57.4			1.9		
~ STINE 4212-4**	57.1			1.4		
~ ASGROW AG 4301**	56.8	51.9		1.5	1.7	
~ ATLAS BRAND MYCOGEN-5480NRR**	56.6			1.9		
~ VIGORO V450NRR**	56.4			1.8		
~ ASGROW AG 4902**	56.1	50.9		1.8	1.9	
~ ASGROW AG 4702**	55.9	50.6		1.6	1.7	
~ GREAT LAKES GL 4309 RR**	55.6			1.4		
~ NK BRAND S46-G2**	55.4			1.7		
~ PIONEER VARIETY 9492**	55.2	50.2	48.1	1.6	1.8	1.9
~ LG SEEDS C4350NRR*	55.1			1.4		
~ GOLDEN HARVEST H-4946RR**	55.0			1.9		
~ DEKALB CX444cRR**	54.9	49.5		1.6	1.7	
~ SOUTHERN STATES RT-446N*	54.7	49.5		1.7	1.8	
~ PIONEER VARIETY 94B01**	54.4	49.2	49.6	1.4	1.5	1.8
~ SOUTHERN STATES RT-4495N**	54.3	49.8		1.2	1.4	
~ VIGORO V492NRR**	54.3			1.7		
~ STINE 4802-4**	54.2			1.8		
~ DEKALB CX414cRR*	54.1	48.2		1.8	1.9	
~ PIONEER VARIETY 94B45**	53.5			1.5		
~ HORNBECK HBK R4660**	53.3	48.1		1.8	1.8	
~ VIGORO V439NRR**	53.0			1.5		
~ CROPLAN GENETICS 466RR**	52.7	46.7		1.9	1.8	
~ CAVERNDAL CF 465nRR**	52.5	46.9		1.6	1.7	
GROUP IV AVERAGE	55.6	50.0	48.9	1.6	1.7	1.9
LSD (0.10)	3.2	2.5	2.2	0.2	0.2	0.2

[BACK TO SELECTION KEY](#)

TABLE 4G. Roundup Ready varieties with SCN resistance - subset of the 2000 Summary Table 4

VARIETY / BRAND	YIELD (BU/AC) ^A			LODGING		
	2000	99-00	98-00	2000	99-00	98-00
LATE (GROUP V)						
~ DELTA KING 5465 RR**	54.5			1.9		
~ SOUTHERN STATES RT-517N**	54.3	46.1		2.3	2.1	
~ PIONEER VARIETY 95B32**	54.1	45.9		1.9	1.9	
~ ASGROW AG 5501*	54.1			2.1		
~ EXCEL 8510NRR**	52.4	45.1		1.8	1.8	
~ DYNA-GRO 3521N RR**	51.6			1.9		
~ PIONEER VARIETY 95B53**	49.1			2.7		
~ SOUTHERN STATES RT-540N**	48.8	43.5		2.3	2.1	
~ DELTA KING 5366 RR**	47.1			3.2		
~ GATEWAY 5R515**	46.8	40.1		2.3	2.2	
~ SOUTHERN STATES RT-557N**	46.0	40.0		2.9	2.6	
~ CROPLAN GENETICS 556RR**	44.6	40.2		2.3	2.1	
~ HORNBECK HBK R5588**	44.5	39.0		2.9	2.7	
~ ASGROW AG 5701*	44.0			3.1		
~ NK BRAND S53-Q7**	43.5	38.7		2.3	2.1	
GROUP V AVERAGE	49.0	42.1		2.4	2.2	
LSD (0.10)	2.7	2.5		0.2	0.2	
GRAND MEAN	53.4	47.0		1.9	1.9	

[BACK TO SELECTION KEY](#)

~ Roundup Ready variety

* Resistant to the soybean cyst nematode (Race 3)

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

^A 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 2000 Summary Table 4

[BACK TO SELECTION KEY](#)

VARIETY / BRAND	YIELD (BU/AC) ^A			LODGING		
	2000	99-00	98-00	2000	99-00	98-00
EARLY (GROUP III)						
NK BRAND S38-T8**	55.2			1.6		
GROUP III AVERAGE						
LSD (0.10)						
MID-SEASON (GROUP IV)						
PIONEER VARIETY 94B53**	62.6	55.2		1.8	1.8	
SOUTHERN CROSS-AARON 4.5N-ST5**	62.2			1.8		
GOLDEN HARVEST H-4459ST5**	61.7	56.7		1.9	2.0	
STINE 4702-2**	61.1	54.1		1.9	2.0	
GATEWAY 471**	60.2			2.0		
ASGROW AG 4604**	58.6	52.9	51.2	1.9	2.1	2.4
SOUTHERN STATES SS-4483N**	58.5			1.7		
SOUTHERN STATES SS-4299N**	58.3			1.6		
P REND**	57.9	52.6		2.2	2.3	
NK BRAND S42-H1**	57.5			1.6		
LG SEEDS C4344N*	57.0			1.5		
P MANOKIN*	56.6	48.8	45.5	2.5	2.5	2.7
GOLDEN HARVEST H-4516*	56.6	52.6		1.8	1.9	
AGVENTURE VARIETY# AV1468**	55.7			1.8		
STINE 4199-2**	55.0			1.6		
SOUTHERN CROSS-JAMES 4.1N**	54.7	49.3		1.8	2.0	
P INA**	52.7	47.2		2.4	2.4	
P PHARAOH*	49.5	45.2	43.5	1.8	1.8	2.1
GROUP IV AVERAGE	57.6	51.5	46.7	1.9	2.1	2.4
LSD (0.10)	3.2	2.5	2.2	0.2	0.2	0.2
LATE (GROUP V)						
PIONEER VARIETY 95B33**	56.5			2.0		
P HUTCHESON	54.3	47.6	46.8	2.3	2.2	2.5
P HOLLADAY	54.3	46.9	47.6	2.2	2.2	2.5
KAS CHEROKEE 516*	53.9	45.4	44.4	1.8	1.8	2.1
P DELSOY 5500**	52.3			2.4		
SOUTHERN STATES SS-5409N**	52.0			2.1		
P ANAND**	50.2	43.3	43.6	1.8	1.7	2.1
P CAVINESS**	47.8	42.9		3.3	2.8	
GROUP V AVERAGE	52.7	45.2	45.6	2.2	2.1	2.3
LSD (0.10)	2.7	2.5	2.3	0.2	0.2	0.2
GRAND MEAN	56.0	49.4	46.1	2.0	2.1	2.3

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)

^A 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 2000 Summary Table 4

VARIETY / BRAND	YIELD (BU/AC) ^A			LODGING		
	2000	99-00	98-00	2000	99-00	98-00
EARLY (GROUP III)						
~ ASGROW AG 3901**	56.1	49.8		1.8	2.0	
GROUP III AVERAGE						
LSD (0.10)						
MID-SEASON (GROUP IV)						
~ DYNA-GRO 3468N RR**	60.7	54.8		1.5	1.7	
~ CROPLAN GENETICS 480RR**	59.6	53.4		1.8	2.0	
~ EXCEL 8410NRR*	58.2			1.6		
~ STINE 4402-4**	58.2			1.8		
~ SOUTHERN CROSS-TITUS 4.8N-RR**	57.6			1.7		
~ GOLDEN HARVEST H-4728RR*	57.4			1.9		
~ STINE 4212-4**	57.1			1.4		
~ ASGROW AG 4301**	56.8	51.9		1.5	1.7	
~ ATLAS BRAND MYCOGEN-5480NRR**	56.6			1.9		
~ VIGORO V450NRR**	56.4			1.8		
~ ASGROW AG 4902**	56.1	50.9		1.8	1.9	
~ ASGROW AG 4702**	55.9	50.6		1.6	1.7	
~ GREAT LAKES GL 4309 RR**	55.6			1.4		
~ NK BRAND S46-G2**	55.4			1.7		
~ PIONEER VARIETY 9492**	55.2	50.2	48.1	1.6	1.8	1.9
~ LG SEEDS C4350NRR*	55.1			1.4		
~ GOLDEN HARVEST H-4946RR**	55.0			1.9		
~ DEKALB CX444cRR**	54.9	49.5		1.6	1.7	
~ SOUTHERN STATES RT-446N*	54.7	49.5		1.7	1.8	
~ PIONEER VARIETY 94B01**	54.4	49.2	49.6	1.4	1.5	1.8
~ SOUTHERN STATES RT-4495N**	54.3	49.8		1.2	1.4	
~ VIGORO V492NRR**	54.3			1.7		
~ STINE 4802-4**	54.2			1.8		
~ DEKALB CX414cRR*	54.1	48.2		1.8	1.9	
~ PIONEER VARIETY 94B45**	53.5			1.5		
~ HORNBECK HKB R4660**	53.3	48.1		1.8	1.8	
~ VIGORO V439NRR**	53.0			1.5		
~ CROPLAN GENETICS 466RR**	52.7	46.7		1.9	1.8	
~ CAVERNDAL CF 465nRR**	52.5	46.9		1.6	1.7	
GROUP IV AVERAGE	55.6	50.0	48.9	1.6	1.7	1.9
LSD (0.10)	3.2	2.5	2.2	0.2	0.2	0.2

[BACK TO SELECTION KEY](#)

TABLE 4I. Roundup Ready varieties with SCN resistance - subset of the 2000 Summary Table 4

VARIETY / BRAND	YIELD (BU/AC) ^A			LODGING		
	2000	99-00	98-00	2000	99-00	98-00
LATE (GROUP V)						
~ DELTA KING 5465 RR**	54.5			1.9		
~ SOUTHERN STATES RT-517N**	54.3	46.1		2.3	2.1	
~ PIONEER VARIETY 95B32**	54.1	45.9		1.9	1.9	
~ ASGROW AG 5501*	54.1			2.1		
~ EXCEL 8510NRR**	52.4	45.1		1.8	1.8	
~ DYNA-GRO 3521N RR**	51.6			1.9		
~ PIONEER VARIETY 95B53**	49.1			2.7		
~ SOUTHERN STATES RT-540N**	48.8	43.5		2.3	2.1	
~ DELTA KING 5366 RR**	47.1			3.2		
~ GATEWAY 5R515**	46.8	40.1		2.3	2.2	
~ SOUTHERN STATES RT-557N**	46.0	40.0		2.9	2.6	
~ CROPLAN GENETICS 556RR**	44.6	40.2		2.3	2.1	
~ HORNBECK HBK R5588**	44.5	39.0		2.9	2.7	
~ ASGROW AG 5701*	44.0			3.1		
~ NK BRAND S53-Q7**	43.5	38.7		2.3	2.1	
GROUP V AVERAGE	49.0	42.1		2.4	2.2	
LSD (0.10)	2.7	2.5		0.2	0.2	
GRAND MEAN	53.4	47.0		1.9	1.9	

[BACK TO SELECTION KEY](#)

~ Roundup Ready variety

* Resistant to the soybean cyst nematode (Race 3)

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

^A 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.