

# 2006 Kentucky Soybean Performance Tests

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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 seed producers to aid in selecting varieties that will give the highest total production in a specific situation.

Five soybean tests were planted in 2006 in Kentucky. The five test locations are shown below. Soil types, planting dates, and other information are shown in Table 1.

## Kentucky Grain Crops Web Site:

<http://www.uky.edu/Ag/GrainCrops/varietytesting.htm>

Provides links to Kentucky variety test publications and related resources.

## 2006 Soybean Test Web Site Features:

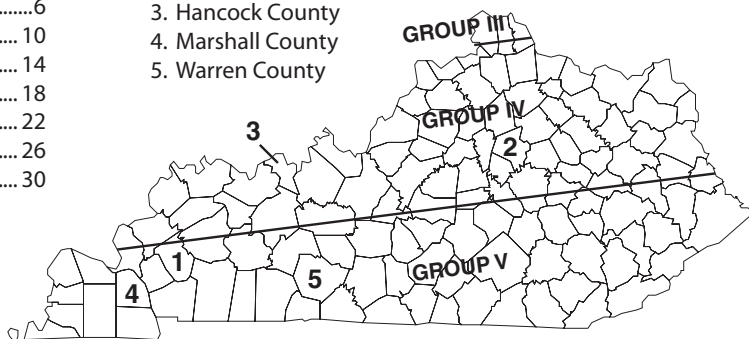
- [Column header sorting feature for Summary Table 4.](#)
- [Nomination form, cover letter, and instructions for 2007 tests entries.](#)

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## Location of the 2006 Kentucky Soybean Tests

1. Caldwell County
2. Fayette County
3. Hancock County
4. Marshall County
5. Warren County



[Seed Source Information on page 4](#)

**Table 1.** Location, Planting, and Climatic Data for the 2006 Soybean Performance Tests

Test	Farmer	Extension Agent	Soil Type	Date of Planting	Soil Test	Fertilizer Applied <sup>1</sup>	50% Chance of Killing Frost <sup>2</sup>
Caldwell County Full Season	Princeton Exp. Station		Crider Silt Loam	5/20	P 192 K 506 pH 6.1	2 tons lime	10/21
Warren County Full Season	Western Kentucky University		Pembroke Silt Loam	5/23	P 173 K 701 pH 6.5	None	10/21
Fayette County Full Season	Lexington Exp. Station		Woolper Silt Loam	5/05	P 365 K 269 pH 6.2	None	10/25
Marshall County Full Season	Dale Smothers	Lincoln Martin	Waverly Silt Loam	6/08	P 78 K 197 pH 5.9	300 lb 9-23-30.	10/20
Hancock County Full Season	Shelby Emmick	Diane Perkins	Otwell Silt Loam	5/07	P 799 K 734 pH 5.8	None	10/22

<sup>1</sup> Amount per acre.  
<sup>2</sup> Based on 30-year average.

## Methods

All tests were planted in a randomized complete block design by maturity group. The tests (Tables 5-9) had two replications (plots) of each variety. The individual plots were 20 feet long and six rows wide with 16 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. All plots were chemically end-trimmed to 16 feet approximately one month after planting.

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

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

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

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

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

**Protein, Oil**—2006 variety protein and oil concentration was determined at the Hancock County location (all test locations for NS entries) and expressed on the basis of 13% moisture. 2005 protein-oil data are from Caldwell County and 2004 protein-oil data are from Fayette County.

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### Summary Table 4 is the recommended table for variety performance.

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## 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 soybean varieties will vary from year to year and location to location, depending on adaptability, weather conditions, and management. The data presented in the Table 4 summary have been averaged across years and locations, and it is recommended as the table to use for evaluating variety performance. **Performance of a variety across a period of years**

**and at several locations in the state is the best indicator of its production potential.** (See *Agronomy Notes*, Volume 21, No. 3, "Using Performance Test Results in Soybean Variety Selection in Kentucky.")

Small differences in yield are usually of little importance. The yield of two varieties at a single location can differ because of chance factors (difference in soil characteristics, fertility, or availability of moisture), although the inherent yielding ability is the same. To decide if an observed yield difference is real, use the least significant difference (LSD) values cited at the bottom of each maturity group. The significance level used in the tables is 0.10. If the difference in yield between two varieties is greater than the LSD value, you can be reasonably certain that the varieties actually do differ in yielding ability. Shaded yields in the tables represent top yielding varieties that are not significantly different from the top yielding variety (bold data) of the maturity group and year in which the bold data are located.

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

Varieties with oil and protein levels that are eligible for premium prices are available in some markets. Oil and protein levels are influenced by variety and weather, primarily temperature, during seed filling. (See the *Corn & Soybean Science Newsletter*, Volume 6, Issue 1, "Soybean Oil and Protein") Our recommendation is that you create a list of varieties that meet your needs for agronomic characteristics: yield, maturity group, SCN resistance, etc. Then, using the protein and oil data from Table 4, remove from consideration those varieties with below average oil percentages. Select from the remaining varieties those that have the highest average protein concentration. This approach should give a variety that has the best chance at producing acceptable yield and meeting the oil and protein standards.

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-10 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. The relative maturity for each variety is found in Table 3.

If you have soybean cyst nematode (SCN) 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-42: *Soybean Cyst Nematode*, available at both your county Extension office, and on the Grain Crops Web site.) The level of SCN infestation as well as the SCN race can be determined through the SCN laboratory at Princeton. **Test your fields.** Contact your county Extension office for more information on

collecting and submitting samples. The importance of resistant varieties has increased as the number of acres affected by SCN has increased. SCN occurs in 32 western Kentucky counties, representing 90% of the state's soybean acreage. Low levels of SCN show few visible symptoms but can cause yield losses of up to 25%.

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

Table 4, consisting of a summary of the five full-season tests, is recommended for selecting varieties for maximum yield in double crop systems and for full-season systems. Better yielding full-season varieties are also the better-yielding double crop varieties (Todd Pfeiffer 1987. *Applied Agricultural Research*, Vol. 2, No. 3, pp.141-145). The full-season environment that maximizes gain is a better indicator of performance than late planted soybeans that have reduced yields. The data from five full-season tests, analyzed across years and locations, predict performance of a variety more accurately than a single test, full-season, or double crop.

Sixteen novel soybean varieties (indicated by a "NS" prefix) are being tested this year. These are just a few of the many that are emerging from both the public and private sectors. Some of these value-added soybean types will supply relatively small market niches, while others may be of a much broader market value. Novel soybeans generally yield less, so testing them will enable soybean producers to determine whether premiums for a given trait offset possible yield lag/drag. Examples are triple null soybeans, designed for edible soy products (this variety lacks three enzymes that produce off-flavors); natto soybeans, a small-seeded soybean used for food and export; and tofu, a big-seed/high-protein soybean also used for food and export. Other big-seed/high-protein types are used for animal food, which potentially has a large U.S. market. Oil and protein data are provided in Table 4.

## Growing Conditions and Special Circumstances

Kentucky's weather during the 2006 soybean growing season fluctuated around normal during May through July. August had temperatures more than 2°F above normal with beneficial rain. September average temperature was 3.3°F below normal with September precipitation 4.4" greater than normal, the second wettest and eighth coolest September on record (<http://www.wagwx.ca.uky.edu/annual.shtml>). Kentucky soybean production was forecast at 62.6 million bushels, a record production; yield was estimated at a record high 46 bu/a (<http://www.nass.usda.gov/ky/PressRel/octcrop.pdf>).

## 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:

- AGR-128: Status, Uses, and Planning (Part I);
- AGR-129: Seed Selection, Variety Selection, and Fertilization (Part II);

- AGR-130: Planting Practices and Double Cropping (Part III);
- AGR-131: Weed, Disease, and Insect Control (Part IV);
- AGR-132: Harvesting, Drying, Storage, and Marketing (Part V).

These publications, including PPA-42, *Soybean Cyst Nematode*, and the *Corn & Soybean Science Newsletter* are available online at the Grain Crops Web site (URL on first page). The planting guide from this series is reproduced below for your convenience (Table 2). For additional research on seeding rates see the *Corn & Soybean Science Newsletter*, Volume 6, Issue 2, "Soybean Seeding Rates."

TABLE 2. SOYBEAN PLANTING GUIDE.

Viable Seeds Per Pound	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
Pounds of Seed per Acre					
2,000	80-110	85-105	78-104	70-87	65-80
2,200	73-100	77-95	71-95	64-79	59-72
2,400	66-93	71-88	65-87	58-73	54-66
2,600	61-86	65-81	60-80	54-67	50-61
2,800	57-80	61-75	56-75	50-62	46-56
3,000	53-75	57-70	52-70	46-58	43-53
3,200	50-70	53-66	49-65	44-54	41-49
3,400	47-66	50-62	46-61	41-51	38-46
3,600	44-62	47-58	44-58	39-48	36-44
3,800	42-59	45-55	41-55	37-46	34-42
4,000	40-56	43-53	39-52	35-44	33-40

## 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, technician Roger Rhodes; the students George Clements, Amanda Whittington, Matthew Anderson, Nathan Hamilton, Ranjana and Gustavo Silveira have contributed to the production of this publication. Thanks go to Western Kentucky University for supporting the soybean variety test project by providing a test site. The testing of novel soybean varieties is funded by the New Crop Opportunities Center at the University of Kentucky through a USDA Special Grant.

## Sources of Seeds

The seed planted in the 2006 Soybean Performance Tests was acquired from the following sources:

### Adler Seeds

Doug Nesbitt..... 800-536-2676  
6085 W 550 N  
Sharpsville, TN 46062  
cnesbitt@adlerseeds.com  
ADLER SEEDS 492RRN  
ADLER SEEDS 432RRN

### Beck's Superior Hybrids

Dr. Kevin Cavanaugh ..... 317-984-3508  
6767 East 276th Street  
Atlanta, IN 46031  
kevinc@beckshybrids.com  
BECK 444NRR  
BECK 422NRR

### Caverndale Farms, Inc.

Clyde Jackson ..... 859-236-2150  
1921 Bluegrass Road  
Danville, KY 40422  
caverndale@kywimax.com  
CAVERNDALE CF 422 RR/STSn  
CAVERNDALE CF 482 RRn

### CPS-Vigoro Seeds

..... 309-342-4100 ext.18  
P.O. Box 1467  
Galesburg, IL 61402  
www.vigoro-seeds.com  
VIGORO V36N5RR  
VIGORO V38N5RS  
VIGORO V42N3RR  
VIGORO V42N7RS  
VIGORO V44N6RR  
VIGORO V49N6RR  
VIGORO V50N5RR  
VIGORO V50N7RS

### Croplan Genetics/Agrilience, LLC.

Chad Shouse..... 270-389-1161  
P.O. Box 568, 1675 US Hwy 60W  
Morganfield, KY 42437  
ctshouse@agrilience.com  
CROPLAN GENETICS RC3935 RR  
CROPLAN GENETICS RC4095 RR  
CROPLAN GENETICS RC4455 RR  
CROPLAN GENETICS RC4655 RR  
CROPLAN GENETICS RC4842 RR  
CROPLAN GENETICS RC4955 RR

### Crow's Hybrid Corn Company

Wayne Hoener..... 800-331-7201  
14575 University Avenue  
Waukee, IA 50263  
wayne.hoener@channelbio.com  
CROW'S C4444R  
CROW'S C4815R  
CROW'S C4817R

### Delta Grow Seed

Lee Hughes ..... 800-530-7933  
220 NW 2nd  
England, AR 72046  
leehughes19@hotmail.com  
DELTA GROW 3950 RR  
DELTA GROW 4150 RR  
DELTA GROW 4460 RR  
DELTA GROW 4860 RR  
DELTA GROW 4840 RR  
DELTA GROW 4970 RR  
DELTA GROW 5160 RR

### Delta King Seed Company

Monty Malone..... 870-731-2992  
P.O. Box 970  
McCrary, AR 72101  
monty.malone@deltakingseed.com  
DELTA KING DK3964  
DELTA KING DK3967  
DELTA KING DK3968  
DELTA KING DK4461  
DELTA KING DK4667  
DELTA KING DK4763  
DELTA KING DK4764  
DELTA KING DK4866  
DELTA KING DK4967  
DELTA KING DK4968  
DELTA KING DK5066  
DELTA KING DK5161  
DELTA KING DK52K6  
DELTA KING DK5366  
DELTA KING DK5576  
DELTA KING DK5567  
DELTA KING DKXTJ39T6  
DELTA KING DKXTJ744  
DELTA KING DKXTJ750  
DELTA KING DKXTJ703  
DELTA KING DKXTJ704  
DELTA KING 5368

### Delta and Pine Land Co.

Ken E. Legé, Ph.D. .... 256-447-0470  
103 Seaboard Avenue  
Piedmont, AL 36272  
Ken.e.lege@deltaandpine.com  
DELTA AND PINE LAND DP 3861 RR  
DELTA AND PINE LAND DPX 3994RR  
DELTA AND PINE LAND DP 4112 RR/S  
DELTA AND PINE LAND DP 4331 RR  
DELTA AND PINE LAND DP 4546 RR  
DELTA AND PINE LAND DP 4724 RR  
DELTA AND PINE LAND DP 4919 RR/S  
DELTA AND PINE LAND DP 5115 RR/S

### Ebberts Field Seed, Inc.

John Suber ..... 937-473-2521  
6840 North Street, Route 48  
Covington, OH 45318  
ebbertsfieldseeds@woh.rr.com  
EBBERTS 1365RR  
EBBERTS 1385RR  
EBBERTS 1386RR  
EBBERTS 1397RR

### Excel Brand

Dr. Ron Secrist..... 800-969-6717  
116 East State  
Camp Point, IL 62320  
rsecrist@dairylandseed.com  
Excel Brand 8396RR/STS  
Excel Brand 8427NRR/STS  
Excel Brand 8450NRR  
Excel Brand 8447NRR  
Excel Brand 8481NRR  
Excel Brand 8493NRR  
Excel Brand 8512NRR  
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### Gutwein Dist. by Golden Harvest Seeds

..... 800-944-7333  
P.O. Box 248  
Pekin, IL 61555  
www.goldenharvestseeds.com  
GUTWEIN H-3606RR  
GUTWEIN H-4534RR  
GUTWEIN H-4878RR  
GUTWEIN H-5053RR

### Great Lakes Hybrids, Inc.

Butch Rogers..... 270-860-2222  
608 Glenwood  
Henderson, KY 42420  
GREAT LAKES GL 4129RR  
GREAT LAKES GL 4419RR  
GREAT LAKES GL 4709RR

### Helena Chemical Company

Garth Jenkins ..... 317-815-6370 11711  
North Pennsylvania Street, Suite 270  
Carmel, IN 46032  
jenkingsg@helenachemical.com  
HELENA BRAND SEED 4375RR  
HELENA BRAND SEED 4875RR  
HELENA BRAND SEED 3676RR  
HELENA BRAND SEED 3975RR

### Hornbeck Seed Co., Inc.

James D. Thomas ..... 870-946-2087  
PO Box 472, 210 Drier Road  
DeWitt, AR 72042-0472  
jthomas@hbkseed.com  
HORNBECK HBK R3824  
HORNBECK HBK R4724  
HORNBECK HBK R4924  
HORNBECK HBK R5226

### Kentucky Foundation Seed Project

Letha J. Tomes, Manager..... 859-281-1109  
3250 Iron Works Pike  
Lexington, KY 40511  
ltomes@uky.edu  
ANAND  
HUTCHESON  
IA 3023  
JAKE  
TEEJAY

### LG Seeds

Jesse Grogan ..... 309-7422211  
22827 Shissler Road  
Elmwood, IL 61529  
jesse.grogan@gseeds.com  
LG C2777NRR

### Mark Seed Company

Steve Knauss..... Cell- 515-971-3095  
..... Office- 800-383-6275  
Cyst Tech  
P.O. Box 67  
Perry, IA 50220  
www.markseed.com  
smknauss700@hotmail.com  
CYST TECH RR0031CTA  
CYST TECH RREX40CTA

### Miles Seed

Richard McChesney ..... 800-666-4537  
P.O. Box 22879  
Owensboro, KY 42304 2879  
ricmcc@milesnmore.com  
SOUTHERN CROSS STEPHEN 3.8 N, RR  
SOUTHERN CROSS GOSHEN 2.9 N, RR  
SOUTHERN CROSS ELI 4.7 N, STS, RR  
SOUTHERN CROSS DAN 4.8 N, RR  
SOUTHERN CROSS MOAB 4.5 N, RR  
SOUTHERN CROSS MICHAEL 4.2 N, RR, STS  
SOUTHERN CROSS DAMASCUS 5.0 N, RR

**Monsanto Company**

800 N. Lindbergh Blvd. .... 800-335-2676  
 St. Louis, MO 63167  
 www.monsanto.com  
 www.dekalb.com  
 www.asgrow.com  
 ASGROW AG3705  
 ASGROW AG3905  
 ASGROW AG3906  
 ASGROW AG4403  
 ASGROW AG4404  
 ASGROW AG4103  
 ASGROW AG4703  
 ASGROW AG4801  
 ASGROW AG4903  
 DEKALB DKB46-51  
 DEKALB DKB36-52  
 DEKALB DKB42-51

**NK Brand**

Chuck Leonard ..... 270-856-4331  
 5210 State Road 945  
 Hickory, KY 42051  
 Chuck.Leonard@GarstSeedCo.com  
 NK S43B1  
 NK S37N4  
 NK S49Q9  
 NKXR 3669  
 NKXR 4669  
 NKXR 4967  
 NKXR 5068

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

Michael R. Hughes ..... 800-331-2475  
 7501 Memorial Pkwy, SW; Suite 205  
 Huntsville, AL 35802  
 michael.hughes@pioneer.com  
 PIONEER VARIETY 93M42  
 PIONEER VARIETY 93M90  
 PIONEER VARIETY 94B30  
 PIONEER VARIETY 94M31  
 PIONEER VARIETY 94M50  
 PIONEER VARIETY 94B73  
 PIONEER VARIETY 94M80  
 PIONEER VARIETY 95M30

**Seed Consultants, Inc.**

Chris Jeffries ..... 800-708-2676  
 PO Box 370, 648 Miami Trace Road SW  
 Washington Courthouse, OH 43160  
 seedconsultants@in-touch.net  
 SEED CONSULTANTS SC 9466RR  
 SEED CONSULTANTS SC 9456RR  
 SEED CONSULTANTS SC 9442RR  
 SEED CONSULTANTS SC 9436RR  
 SEED CONSULTANTS SC 9406RR  
 SEED CONSULTANTS SC 9415RR  
 SEED CONSULTANTS SC 9396RR  
 SEED CONSULTANTS SC 9386A RR  
 SEED CONSULTANTS SC 9387 RR  
 SEED CONSULTANTS SC 9386 RR

**Southern States Cooperative**

Howard Tabor ..... 804-281-1203  
 PO Box 26234  
 Richmond, VA 23260  
 howard.tabor@sscoop.com  
 SOUTHERN STATES RT 2800  
 SOUTHERN STATES RT 3760N  
 SOUTHERN STATES RT 3851N  
 SOUTHERN STATES RT 3860  
 SOUTHERN STATES RT 3951N  
 SOUTHERN STATES RT 4151N  
 SOUTHERN STATES RT 4440N  
 SOUTHERN STATES RT 4451N  
 SOUTHERN STATES RT 4551N  
 SOUTHERN STATES RT 4651N  
 SOUTHERN STATES RT 4777N  
 SOUTHERN STATES RT 4760N  
 SOUTHERN STATES RT 4808N  
 SOUTHERN STATES RT 4981N  
 SOUTHERN STATES RT 4996N  
 SOUTHERN STATES RT 5130N  
 SOUTHERN STATES RT 5160N  
 SOUTHERN STATES RT 5540N

**Stratton Seed Company**

Jim Craig ..... 870-673-4433  
 1530 Highway 79 South  
 Stuttgart, AR 72160  
 jrcraig@strattonseed.com  
 SCHILLINGER SEED 495.RC

**Steyer Seeds**

Joe Steyer ..... 800-2314274  
 6154 North County Road 33  
 Tiffin, OH 44883  
 joesteyer@yahoo.com  
 STEYER 3630 RR SCN  
 STEYER 4420 RR SCN  
 STEYER 4600 RR SCN  
 STEYER 4700 RR SCN

**Stine Seed Company**

Paul D. Eby ..... 800-362-2510  
 2255 Laredo Trail  
 Adel, IA 50003-4570  
 pdeby@stineseed.com  
 www.stineseed.com  
 STINE 3832-4  
 STINE 4402-4  
 STINE 4782-4

**Trisler Seeds, Inc.**

Rachel Knight ..... 217-288-9301  
 3274 East 800 North Road  
 Fairmount, IL 61841  
 rachel@trisler.com  
 TRISOY 5060RR(CN)  
 TRISOY 4858RR(CN)

**Unisouth Genetics, Inc.**

Stacy Burwick ..... 615-242-3397  
 2640-C Nolensville Road  
 Nashville, TN 37211  
 sburwick@usgseed.com  
 UNISOUTH GENETICS USG 5601T  
 UNISOUTH GENETICS USG 75J32  
 UNISOUTH GENETICS USG 5002T  
 UNISOUTH GENETICS USG 7393nRR  
 UNISOUTH GENETICS USG 7484nRR  
 UNISOUTH GENETICS USG 7494nRR  
 UNISOUTH GENETICS USG 74A76  
 UNISOUTH GENETICS USG 7515nRS  
 UNISOUTH GENETICS USG 75M16  
 UNISOUTH GENETICS USG ALLEN  
 UNISOUTH GENETICS USG 56293  
 UNISOUTH GENETICS USG 56124  
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 Greg.Zumwalt@uap.com  
 DYNAGRO 32C38  
 DYNAGRO DG3443NRR  
 DYNAGRO 37A44  
 DYNAGRO 35Z49  
 DYNAGRO 38T47

**Novel Soybean Varieties****Diener Seeds**

..... 800-545-8611  
 371 North Diener Road  
 Reynolds, IN 47980-8010  
 dchilds@dienerseeds.com  
 DIENER SEEDS D400S  
 DIENER SEEDS D293  
 DIENER SEEDS D300

**Iowa State University****Research Foundation**

Julie Gustafson ..... 515-294-9442  
 310 Lab of Mechanics  
 Ames, IA 50011-2131  
 IA3006PR (high protein, phytophthora  
 resistance)  
 IA3027 (large seed, high protein)  
 IA3021 (large seed, high protein)  
 IA3022 (large seed, high protein)  
 IA4003 (large seed, high protein)

**Kansas State University**

Bill Schapaugh  
 Agronomy Department  
 2004 Throckmorton Plant Sciences Center  
 Manhattan, KS 66506-5501  
 KS1642sp (low linolenic acid)  
 K03-3821 (high protein variety)  
 K03-3825 (high protein variety)  
 KS5003sp (small seeded variety)  
 KS5005sp (large seed, high protein)

**Stewart Seeds**

Brian McBlain ..... 812-633-6899  
 2230 E County Road 300N  
 Greensburg, IN 47240  
 BMcBlain@stewartseeds.com  
 STEWART SEEDS SIG M40111  
 STEWART SEEDS SIG M40619

**Table 3. Company Disease Resistance Specifications for Entries in the 2006 Kentucky Soybean Performance Tests<sup>A</sup>**

Variety / Brand	Relative Maturity Group	Soybean Cyst Nematode Resistance	Phytophthora sojae <sup>B</sup>		Sudden Death Syndrome <sup>C</sup>	Soybean Mosaic Virus <sup>C</sup>	Stem Canker <sup>C</sup>	Other Reported Resistance
			Resistance Gene Rps	Field Tolerance <sup>C</sup>				
~ ADLER SEEDS 432RRN	4.3	3	1a	MT	MR	MR	MR	R-FROGEYE LEAF SPOT
~ ADLER SEEDS 492RRN	4.9	3		MT	MR	R	R	MR-FROGEYE LEAF SPOT
P ANAND	5.7	3, 5, 14					MR	
~ ASGROW AG3705	3.7	3	1c	MT				
~ ASGROW AG3905	3.9	3	1c	MT	MR		MR	
~ ASGROW AG3906	3.9	MR-3, MR-14		MT	MR		MR	
~ ASGROW AG4103	4.1	MR-3	1a	MT			MR	
~ ASGROW AG4403	4.4	MR-3	1a	MT	MR		MR	
~ ASGROW AG4404	4.4	MR-3, MR-14	1a	MS	MR		MR	
~ ASGROW AG4703	4.7	MS/MR-3		MT	MR		MR	SCN data preliminary screening
~ ASGROW AG4801	4.8	R-3, MR-14		MT	MR		S	
~ ASGROW AG4903	4.9			MT	MR		MR	
~ BECK 422NRR	4.2	3, 14						
~ BECK 444NRR	4.4	3, 14		MT	R	MR	MR	
~ CAVERNDALE CF 422 RR/STSn	4.2	3, 14		S	S		S	
~ CAVERNDALE CF 482 RRn	4.8	1, 3		MS	S		S	
~ CROPLAN GENETICS RC 3935 RR	3.9	3, 14	1c	T	R	S	MR	
~ CROPLAN GENETICS RC 4095 RR	4.0	3		T	R	S	R	
~ CROPLAN GENETICS RC 4455 RR	4.4	3, 14		MT	R	S	MR	
~ CROPLAN GENETICS RC 4655 RR	4.6	3		T	R	S	R	
~ CROPLAN GENETICS RC 4842 RR	4.8	3, 14		MT	R	S	MR	
~ CROPLAN GENETICS RC 4955 RR	4.9	3		T	R	S	R	
~ CROW'S C4444R	4.4	3, 14		MT	MR	MR	MR	R-FROGEYE LEAF SPOT
~ CROW'S C4815R	4.8	3, 14		T	MR	MR	MR	R-FROGEYE LEAF SPOT
~ CROW'S C4817R	4.8	3, 14	1a	MT	MR	MR	MR	R-STs
~ CYST TECH RR0031CTA	3.1			MT	MR			
~ CYST TECH RREX40CTA	4.0							
~ DEKALB DKB36-52	3.6	3	1c	MS	MR			SCN data preliminary screening
~ DEKALB DKB42-51	4.2	MR-3	1c	MT	MR		MR	SCN data preliminary screening
~ DEKALB DKB46-51	4.6	3, MR-14		MT	MR		MR	
~ DELTA AND PINE LAND DP 3861 RR	3.8	3	1c	MT	MR	S	R	
~ DELTA AND PINE LAND DP 4331 RR	4.3	3	1a	MT	MR	S	MR	
~ DELTA AND PINE LAND DP 4546 RR	4.5		1a	MT	MR	R	R	
~ DELTA AND PINE LAND DP 4724 RR	4.7	3	1k	MT	MR	S	R	
~ DELTA AND PINE LAND DPX3994RR	3.9	3		MT	MR		R	
~ DELTA AND PINE LAND DP 4112 RR/S	4.1				MS		R	
~ DELTA AND PINE LAND DP 4919 RR/S	4.9			MT	MR	R	R	
~ DELTA AND PINE LAND DP 5115 RR/S	5.1			MT	MR	MR	R	
~ DELTA KING DK3964	3.9	2, 3, 5, 14		MT	MR		R	
~ DELTA KING DK3967	3.9	3, 14	1c		R		S	
~ DELTA KING DK3968	3.9	3, 6, 14	1c		MS		R	
~ DELTA KING DK4461	4.6	2, 5, 6	1a	MT	MR		MR	
~ DELTA KING DK4667	4.6	3, 14		MT	R		MR	
~ DELTA KING DK4763	4.7	3, 5		MT	MS		S	
~ DELTA KING DK4764	4.7	3, 14		MT	R		R	
~ DELTA KING DK4866	4.8	3	1a		R		MR	
~ DELTA KING DK4967	4.9	3, 6, 14		MT	MR		R	
~ DELTA KING DK4968	4.9	2		MT	MR		R	
~ DELTA KING DK5066	5.0	3, 14		MT	R		R	
~ DELTA KING DK5161	5.1	3, 14		MT	MS		R	
~ DELTA KING DK52K6	5.2	3, 14		MT	MR		MR	
~ DELTA KING DK5366	5.3	3, 14	1c		MR		MR	
~ DELTA KING DK5567	5.5	3		MT	R		R	
~ DELTA KING DK55T6	5.6	3, 14		MT	MR		MR	
~ DELTA KING DKXTJ39T6	3.9			MT	R		R	
~ DELTA KING DKXTJ703	5.0	3		MT	MR		R	
~ DELTA KING DKXTJ704	5.0			MT	MR			

**Table 3. Company Disease Resistance Specifications for Entries in the 2006 Kentucky Soybean Performance Tests<sup>A</sup>**

Variety / Brand	Relative Maturity Group	Soybean Cyst Nematode Resistance	Phytophthora sojae <sup>B</sup> Resistance Gene Rps	Field Tolerance <sup>C</sup>	Sudden Death Syndrome <sup>C</sup>	Soybean Mosaic Virus <sup>C</sup>	Stem Canker <sup>C</sup>	Other Reported Resistance
~ DELTA KING DKXTJ744	4.4	2		MT	MR			
~ DELTA KING DKXTJ750	4.9			MT	MR			
~ DELTA KING 5368	5.3	4		MT	MR		R	
~ DELTAGROW 3950 RR	3.9	1, 3	1k	MT	MR	MR	MR	
~ DELTAGROW 4150 RR	4.1	3	1a	MT	MR		MR	
~ DELTAGROW 4460 RR	4.4	3, 14		MT	MR	MR	MR	
~ DELTAGROW 4840 RR	4.8	3, 14		MT	MR	MR	MR	
~ DELTAGROW 4860 RR	4.6	3, 5		MT	MS		MR	
~ DELTAGROW 4970 RR	4.9	3, 14		MT	MR	MR	R	
~ DELTAGROW 5160 RR	5.1	3, 14		MT	MR	MR	R	
NS DIENER SEEDS D293	2.9			MT				
NS DIENER SEEDS D300	3.0			MT				
NS DIENER SEEDS D400S	4.0		1a	MT	MR			
~ DYNA-GRO 32C38	3.8	3, 14	1c	T	MR	MR	MR	RR/STS
~ DYNA-GRO 35Z49	4.9	3, 14		MT	R	R	R	MR-FROGEYE LEAF SPOT
~ DYNA-GRO 37A44	4.4	3, 14	S	MT	MR	MR	MR	MR-FROGEYE LEAF SPOT
~ DYNA-GRO 38T47	4.7	3, 14	S	T	MR	MR	MR	R-FROGEYE LEAF SPOT
~ DYNA-GRO DG3443NRR	4.4	2, 3, 14	1a	T	MR	MR	MR	
~ EBBERTS 1365NRR	3.6	3, 14	1c	T	MR			
~ EBBERTS 1385NRR	3.8		1k	T	MS			
~ EBBERTS 1386NRR	3.8	3, 14	1c	MT	MR			
~ EBBERTS 1397NRR	3.9	3, 14			MR			
~ EXCEL BRAND 8396RR/STS	3.9			MT				
~ EXCEL BRAND 8427NRR/STS	4.2			MT	MR			
~ EXCEL BRAND 8447NRR	4.7	3		MT				
~ EXCEL BRAND 8450NRR	4.5	3		MT	MR			
~ EXCEL BRAND 8481NRR	4.8	3		MT	MR			
~ EXCEL BRAND 8493NRR	4.9	3		MT	MR			
~ EXCEL BRAND 8512NRR	5.1	3						
~ EXCEL BRAND 8520NRR	5.3	3		MT	MR			
~ GREAT LAKES GL 4129RR	4.1	3, 14	1a	MT	R	S	MR	
~ GREAT LAKES GL 4419RR	4.4	3, 14		MS	MR	S	MR	
~ GREAT LAKES GL 4709RR	4.7	3, 14		MS	MR	S	MR	
~ GUTWEIN H-3606RR	3.6	3	1c	T	MR	MR		
~ GUTWEIN H-4534RR	4.5	3, 14	1a	MT	MR			
~ GUTWEIN H-4878RR	4.8	3, 14		MT	MR			
~ GUTWEIN H-5053RR	5.0	3, 14		MT	MR			
~ HELENA BRAND SEED 3676	3.6	3, 14	1c	MT	MR			
~ HELENA BRAND SEED 3975	3.9	3, 14	1a	MT	MR		MR	
~ HELENA BRAND SEED 4375	4.3	3, 14	1a	MT	MR		MR	
~ HELENA BRAND SEED 4875	4.8	3, 14		T	MR		MR	
~ HORNBECK HBK R3824	3.9				MR	S	R	R PHYTO. RACE 1 & 17
~ HORNBECK HBK R4724	4.7				R	S	R	R PHYTO. RACE 1 & 17
~ HORNBECK HBK R4924	4.9	3, 14		S	MR	R	R	
~ HORNBECK HBK R5226	5.2	3, 14		S	MS	S	R	
P HUTCHESON	5.8					R	R	R-PEANUT STUNT VIRUS
NS IA3006PR (high protein, phytophthora resistance)	late 3							
NS IA3021 (large seed, high-protein)	early 3							
NS IA3022 (large seed, high-protein)	late 3							
P IA3023	group 3							
NS IA3027 (large seed, high protein)	group 3							
NS IA4003 (large seed, high protein)	early 4							
P JAKE	5.4			MT	MT			SCN SOURCE IS HARTWIG
NS K03-3821 (high protein)	late 4							
NS K03-3825 (high protein)	late 4							
NS KS1642sp (low linolenic acid)	group 5							
NS KS5003sp (small seeded variety)	early 5							
NS KS5005sp (large seed, high protein)	group 5							
~ LG C2777NRR	2.7	3, 14	1c	MT	MR			

**Table 3. Company Disease Resistance Specifications for Entries in the 2006 Kentucky Soybean Performance Tests<sup>A</sup>**

Variety / Brand	Relative Maturity Group	Soybean Cyst Nematode Resistance	Phytophthora sojae <sup>B</sup> Resistance Gene Rps	Field Tolerance <sup>C</sup>	Sudden Death Syndrome <sup>C</sup>	Soybean Mosaic Virus <sup>C</sup>	Stem Canker <sup>C</sup>	Other Reported Resistance
~ NK BRAND S37-N4	3.7	3, 14	1c		MR			
~ NK BRAND S43-B1	4.3	3, 14	1c		MR		MR	
~ NK BRAND S49-Q9	4.9	1, 3, 9, 14	1c					
~ NKXR 3669	3.6	3, 14	1c		MS			
~ NKXR 4669	4.6	3, 4, 14	1c		MS			
~ NKXR 4967	4.9	3, 4, 14	1c	MS			R	
~ NKXR 5068	5.0	1, 3		MT	S		R	
~ PIONEER VARIETY 93M42	3.4	3, 14		MT	MR			
~ PIONEER VARIETY 93M90	3.9	3, 14		MT	MR			
~ PIONEER VARIETY 94B31	4.3	3	1k	MT	MR			
~ PIONEER VARIETY 94B73	4.7		1k	MT	MR		MR	
~ PIONEER VARIETY 94M30	4.3	3	1k	MT	MR			
~ PIONEER VARIETY 94M50	4.5		1c	MT	MS			
~ PIONEER VARIETY 94M80	4.8	3, 14			R		MR	
~ PIONEER VARIETY 95M30	5.3	3, 14		MT			R	
~ SCHILLINGER SEED 495 RC	4.9	3		T	MS		R	R-FROGEYE LEAF SPOT
~ SEED CONSULTANTS SC 9386A RR	3.8	3		MT	MR			
~ SEED CONSULTANTS SC 9386RR	3.8	3, 14	1c	MT	MR			
~ SEED CONSULTANTS SC 9387RR	3.8	3		MT				
~ SEED CONSULTANTS SC 9396RR	3.9	3, 14	1c	MT	MR			
~ SEED CONSULTANTS SC 9406RR	4.0	3		MT	MR			
~ SEED CONSULTANTS SC 9415RR	4.1	3, 14		MT	MR			
~ SEED CONSULTANTS SC 9436RR	4.3	3		MT	MR			
~ SEED CONSULTANTS SC 9442RR	4.4	3, 14	1a	MT	MR			
~ SEED CONSULTANTS SC 9456RR	4.5	3, 14		MT	MR		MR	MR-FROGEYE LEAF SPOT
~ SEED CONSULTANTS SC 9466RR	4.6	3, 14		MT	MR			
~ SOUTHERN CROSS DAMASCUS 5.0 N, RR	5.0							
~ SOUTHERN CROSS DAN 4.8 N, RR	4.8	R-SCN						
~ SOUTHERN CROSS ELI 4.7 N, STS, RR	4.7							
~ SOUTHERN CROSS GOSHEN 2.9 N, RR	2.9							
~ SOUTHERN CROSS MICHAEL 4.2 N, RR/STS	4.2	3, 14			MR			R-STs, R-FROGEYE LEAF SPOT
~ SOUTHERN CROSS MOAB 4.5 N, RR	4.5	3, 14		MT	MR		MR	MR-FROGEYE LEAF SPOT
~ SOUTHERN CROSS STEPHEN 3.8 N, RR	3.8	3	1k	MT	MR			
~ SOUTHERN STATES RT 2800	2.8		1c	T	R			R- BROWN STEM ROT
~ SOUTHERN STATES RT 3760N	3.6	3		MT				
~ SOUTHERN STATES RT 3851N	3.8	3, 14	1c	MT	MR			
~ SOUTHERN STATES RT 3860	3.8			MT	MR			
~ SOUTHERN STATES RT 3951N	3.9	3	1c	T	MR			
~ SOUTHERN STATES RT 4151N	4.1	3, 14	1b	MT	MR			
~ SOUTHERN STATES RT 4440N	4.4	3, 14	1c	T	MR			
~ SOUTHERN STATES RT 4451N	4.4	3, 14	1a	T				
~ SOUTHERN STATES RT 4551N	4.5	3	1a	MT	MR			
~ SOUTHERN STATES RT 4651N	4.6	3, 14	1c	MT	MR		R	
~ SOUTHERN STATES RT 4760N	4.7	3, 14		MT	MR			
~ SOUTHERN STATES RT 4777N	4.7	3, 14	1c	MT	MR			
~ SOUTHERN STATES RT 4808N	4.8	3, 14	1a	T	R			
~ SOUTHERN STATES RT 4981N	4.9	3, 14	1c	MT	MR		R	
~ SOUTHERN STATES RT 4996N	4.9	3, 14		MT	MR			
~ SOUTHERN STATES RT 5130N	5.1	3, 14	1c	MT	MR		R	
~ SOUTHERN STATES RT 5160N	5.1	3	1c	MT	MR		R	
NS STEWART SEEDS SIG M40111	3.3							
NS STEWART SEEDS SIG M40619	3.3							
~ SOUTHERN STATES RT 5540N	5.5	3, 14		MS	MR		R	
~ STEYER 3630 RR SCN	3.6	3, 14	1k	MT	MR		MR	
~ STEYER 4420 RR SCN	4.4	3, 14		MT	MR		MR	
~ STEYER 4600 RR SCN	4.6	3, 14		MT	MR		MR	
~ STEYER 4700 RR SCN	4.7	3, 14		MT	MR		MR	
~ STINE 3832-4	3.8	3, 14	1k	T				



**Table 3. Company Disease Resistance Specifications for Entries in the 2006 Kentucky Soybean Performance Tests<sup>A</sup>**

Variety / Brand	Relative Maturity Group	Soybean Cyst Nematode Resistance	Phytophthora sojae <sup>B</sup> Resistance Gene Rps	Field Tolerance <sup>C</sup>	Sudden Death Syndrome <sup>C</sup>	Soybean Mosaic Virus <sup>C</sup>	Stem Canker <sup>C</sup>	Other Reported Resistance
~ STINE 4402-4	4.4	3, 14		S				
~ STINE 4782-4	4.7			S				
P TEEJAY	5.3					R	R	
~ TRISOY 4858RR(CN)	4.8	3		MT	MR	R	R	
~ TRISOY 5060RR(CN)	5.0	3		MT	MR		MR	R-ROOT KNOT NEMATODE
UNISOUTH GENETICS USG 5002T	5.0				MR		R	R-FROGEYE LEAF SPOT, R-BROWN STEM ROT
UNISOUTH GENETICS USG 5601T	5.6				MR	R	R	MR-FROGEYE LEAF SPOT
~ UNISOUTH GENETICS USG 56124	5.6				MR	R	R	MR-FROGEYE LEAF SPOT
~ UNISOUTH GENETICS USG 56293	5.6				MR	R	R	MR-FROGEYE LEAF SPOT
~ UNISOUTH GENETICS USG 56379	5.6				MR	R	R	MR-FROGEYE LEAF SPOT
~ UNISOUTH GENETICS USG 7393nRR	3.9	3, MR-14	1k		MR		R	
~ UNISOUTH GENETICS USG 7484nRR	4.8	MR-3, MR-14			MR			MR-FROGEYE LEAF SPOT
~ UNISOUTH GENETICS USG 7494nRR	4.9	3, 14			MR			
~ UNISOUTH GENETICS USG 74A76	4.7	MR-3, MR-14						MR-FROGEYE LEAF SPOT
~ UNISOUTH GENETICS USG 7515nRS	5.1	3, MR-14			MR			R-ST5
~ UNISOUTH GENETICS USG 75J32	5.3	MR-3, MR-14			MR		R	MR-ROOT KNOT, MR-FROGEYE, R-CERCOSPORA
~ UNISOUTH GENETICS USG 75M16	5.1						MR	MR-FROGEYE LEAF SPOT
~ UNISOUTH GENETICS USG ALLEN	5.6				MR	R	R	MR-FROGEYE LEAF SPOT
~ VIGORO V36N5RR	3.6	3, 14	1c	MT	MR		R	MR-FROGEYE LEAF SPOT
~ VIGORO V38N5RS	3.8	3, 14	1c	MT	MR		MR	STS, MR-FROGEYE LEAF SPOT
~ VIGORO V42N3RR	4.2	3, 14		MT	MR		MR	MR-FROGEYE LEAF SPOT
~ VIGORO V42N7RS	4.2	3, 14		MT	MR			STS, MS-FROGEYE LEAF SPOT
~ VIGORO V44N6RR	4.4	3, 14		MT	MR		MR	MR-FROGEYE LEAF SPOT
~ VIGORO V49N6RR	4.9	3, 14	1k	MT	MS		MR	MR-FROGEYE LEAF SPOT
~ VIGORO V50N5RR	5.0	3, 14		MT	MR		MR	
~ VIGORO V50N7RS	5.5	3, 14		MT	MR		MR	STS, MS-FROGEYE LEAF SPOT

~ Roundup Ready variety

P Entries with a P prefix are public varieties.

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

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

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

<sup>C</sup> blank spaces=no data provided by seed company or data unknown. S=susceptible, MS=moderately susceptible, MR=moderately resistant, R=resistant, T=tolerant, MT=moderately tolerant

**TABLE 4. 2006 SUMMARY: VARIETY TEST TABLES 5-9**

BRAND — VARIETY	YIELD (BU/AC) <sup>A</sup>			LODGING	% PROTEIN <sup>B</sup>			% OIL <sup>B</sup>		
	2006	05-06	04-06	2006	2006	05-06	04-06	2006	05-06	04-06
<b>MATURITY GROUP II-III (RELATIVE MG 2.7-3.9)</b>										
~ ASGROW AG3905*	62.6	59.3	62.9	1.7	36.9	36.4	36.6	18.5	19.2	19.1
~ ASGROW AG3705*	61.1			1.4	36.1			18.9		
~ EXCEL BRAND 8396RR/STS	60.4			2.1	36.9			19.0		
~ DEKALB DKB36-52*	59.7	54.0	58.5	1.5	38.4	38.3	39.1	17.5	18.1	17.7
~ SOUTHERN CROSS STEPHEN 3.8 N, RR*	59.7	56.9	61.3	1.5	37.7	36.9	36.8	19.8	20.4	19.9
~ EBBERTS 1386RR**	59.5			2.0	37.1			19.2		
~ ASGROW AG3906*	59.5	57.3		1.8	36.9	36.6		19.5	20.0	
~ VIGORO V36N5RR**	59.2	54.6		2.2	40.2	39.2		16.8	17.6	
~ VIGORO V38N5RS**	59.2	55.1	60.6	1.6	35.7	35.5	35.8	18.4	19.2	19.0
~ PIONEER VARIETY 93M90*	59.0	55.6	61.1	1.5	36.9	36.4	36.7	18.9	19.0	18.8
~ SEED CONSULTANTS SC 9396RR**	58.9	54.5		1.7	35.5	35.7		19.0	19.5	
NS STEWART SEEDS SIG M40111	58.6			1.6	38.0			18.9		
~ SOUTHERN STATES RT 3860	58.5			1.4	36.0			19.2		
~ DELTA KING DK3968**	58.4	55.0	60.2	1.3	37.4	36.5	36.3	19.2	20.0	19.6
~ NK BRAND S37-N4**	57.9	53.9	58.8	2.2	37.3	37.1	37.7	18.1	18.7	18.6
~ GUTWEIN H-3606RR*	57.6	52.9		1.9	39.2	37.8		17.6	18.6	
~ SEED CONSULTANTS SC 9386RR**	57.6			2.0	38.8			19.1		
~ EBBERTS 1385RR	57.5	55.5	61.3	1.9	37.3	36.9	37.2	19.4	20.1	19.9
~ HELENA BRAND SEED 3975**	57.4	54.6		1.7	36.8	37.0		18.5	19.0	
~ SOUTHERN STATES RT 3760N*	57.3			1.7	36.3			18.7		
~ DELTA AND PINE LAND DPX3994RR*	57.1			1.8	37.0			18.3		
~ SEED CONSULTANTS SC 9386A RR*	56.9	53.1		1.9	36.7	36.8		18.4	19.2	
~ SOUTHERN STATES RT 3851N**	56.9	54.0		1.7	36.2	36.2		18.7	19.5	
~ EBBERTS 1397RR**	56.5			2.1	36.1			19.0		
~ SEED CONSULTANTS SC 9387RR*	56.3			1.2	37.7			18.6		
~ STINE 3832-4**	56.3	53.5		1.9	38.0	37.5		19.3	19.8	
~ DELTA KING DKXTJ39T6	56.3			1.6	36.6			18.6		
~ SOUTHERN STATES RT 3951N*	56.3	51.4		2.0	37.2	36.8		19.1	19.8	
~ DELTAGROW 3950 RR*	56.1			1.8	38.7			19.0		
~ STEYER 3630 RR SCN**	56.0			1.3	36.1			19.5		
~ DELTA AND PINE LAND DP 3861 RR*	56.0	53.2	58.2	1.8	37.4	36.7	37.0	18.7	19.2	18.8
~ UNISOUTH GENETICS USG 7393nRR**	55.9	55.1		1.5	38.2	37.2		19.5	20.3	
~ NKXR 3669	55.9			1.5	37.8			17.7		
~ DYNA-GRO 32C38**	55.6			1.3	36.0			18.1		
~ HELENA BRAND SEED 3676**	55.5	50.5		2.1	38.1	37.4		18.9	19.7	
NS DIENER SEEDS D293	54.9			1.6	36.7			18.7		
~ HORNBECK HBK R3824	54.5			2.4	36.0			18.8		
~ EBBERTS 1365RR**	54.1	52.3	59.6	2.2	40.1	39.3	39.4	17.0	17.7	17.5
~ CYST TECH RR0031CTA	53.5			1.6	38.2			18.6		
~ DELTA KING DK3964**	53.4			2.2	37.1			18.7		
~ DELTA KING DK3967**	53.2	49.9		2.1	37.1	36.6		18.8	19.6	
~ CROPLAN GENETICS RC 3935 RR**	52.9	49.6		1.8	37.6	37.1		18.7	19.5	
NS DIENER SEEDS D300	52.8			1.3	36.2			18.8		
~ PIONEER VARIETY 93M42**	52.8			1.6	38.3			18.2		
NS STEWART SEEDS SIG M40619	51.7			2.1	35.6			20.1		
~ SOUTHERN CROSS GOSHEN 2.9 N, RR	49.6			1.6	39.7			19.1		
P IA 3023	46.8	41.7	48.8	1.7	35.9	35.3	35.4	19.4	20.1	19.8
NS IA3022 (large seed, high protein)	45.3	42.4	46.9	2.4	39.4	39.2	39.6	18.7	18.8	18.3
~ SOUTHERN STATES RT 2800	45.2			1.7	38.6			19.6		
~ LG C2777NRR	43.6			2.3	40.3			18.2		
NS IA3006PR (high protein, phytophthora resistance)	40.3	35.6		2.0	38.8	38.9		19.4	19.4	
NS IA3021 (large seed, high protein)	38.1	34.0	40.9	1.6	39.1	38.8	39.4	19.4	19.6	19.0
NS IA3027 (large seed, high protein)	35.8			1.8	39.2			18.9		
GROUP III AVERAGE	54.7	51.7	56.8	1.8	37.5	37.2	37.5	18.8	19.3	18.9
LSD (0.10)	3.7	2.2	1.8	0.3						

**R E C O M M E N D E D T A B L E**

**TABLE 4. 2006 SUMMARY: VARIETY TEST TABLES 5-9**

BRAND — VARIETY	YIELD (BU/AC) <sup>A</sup>			LODGING	% PROTEIN <sup>B</sup>			% OIL <sup>B</sup>		
	2006	05-06	04-06	2006	2006	05-06	04-06	2006	05-06	04-06
<b>MATURITY GROUP EARLY IV (RELATIVE MG 4.0-4.5)</b>										
~ STINE 4402-4**	63.8			1.5	36.9			19.1		
~ GUTWEIN H-4534RR**	62.2	59.9		1.9	35.7	35.4		19.2	20.2	
~ DELTAGROW 4150 RR*	61.3			1.9	37.3			18.0		
~ GREAT LAKES GL 4129RR**	61.3			1.9	37.2			18.5		
~ CAVERNDAL CF 422 RR/STSn**	60.8			1.6	35.9			19.4		
~ DEKALB DKB42-51*	60.8			1.8	35.7			18.3		
BECK 422NRR**	60.5			1.5	37.1			19.2		
~ PIONEER VARIETY 94M50*	60.3	57.4		1.8	37.5	37.5		18.7	19.5	
~ HELENA BRAND SEED 4375**	60.0	58.3	65.2	1.4	36.0	35.8	36.0	18.6	19.6	19.7
~ ASGROW AG4404*	59.8	57.7		1.9	36.7	37.3		18.6	18.9	
~ ADLER SEEDS 432RRN*	59.6			1.9	36.8			18.6		
~ ASGROW AG4103*	59.6			1.8	36.2			18.6		
~ VIGORO V42N7RS**	59.5			1.5	37.3			19.1		
~ DELTA KING DKXTJ744	59.4			1.7	36.3			19.1		
~ DELTA AND PINE LAND DP 4331 RR*	59.3	58.4	63.7	1.7	35.3	35.0	35.4	18.9	20.2	20.1
~ PIONEER VARIETY 94M31*	59.1			1.7	38.4			18.1		
~ EXCEL BRAND 8427NRR/STS	59.1	56.5		1.3	36.4	36.5		19.2	19.4	
~ EXCEL BRAND 8450NRR*	58.7			1.8	37.1			18.1		
~ VIGORO V42N3RR**	58.4	55.2	62.7	1.3	36.8	36.5	36.4	19.4	19.8	19.8
~ PIONEER VARIETY 94M30*	58.4	55.0		2.0	40.1	38.8		17.9	18.9	
~ CROPLAN GENETICS RC 4455 RR**	58.3	57.9		2.0	35.9	35.7		18.6	19.5	
~ SEED CONSULTANTS SC 9442RR**	58.2			2.0	35.6			19.2		
~ NK BRAND S43-B1**	57.9	56.1	60.4	1.8	37.4	36.5	36.6	18.1	18.8	18.8
~ BECK 444NRR**	57.9	58.2		2.2	36.0	35.7		18.7	19.6	
~ DELTAGROW 4460 RR**	57.8			2.3	36.3			18.5		
~ SOUTHERN STATES RT 4440N**	57.7	57.2	57.5	1.8	35.3	35.3	35.2	19.1	20.2	20.2
NS DIENER SEEDS D400S	57.7			2.1	36.3			19.6		
~ SOUTHERN CROSS MICHAEL 4.2 N, RR, STS**	57.6	55.3	61.3	1.4	37.2	37.0	36.8	19.0	19.5	19.6
~ SOUTHERN STATES RT 4551N	57.5	59.0		2.0	38.5	38.1		18.2	18.5	
~ VIGORO V44N6RR**	57.2	58.1		2.2	35.3	35.4		18.7	19.6	
~ DYNA-GRO DG3443NRR**	57.2	58.9	63.1	1.8	35.4	35.0	35.2	19.1	20.3	20.2
~ SEED CONSULTANTS SC 9456RR**	57.1	56.2		2.2	36.1	36.4		18.3	19.1	
~ ASGROW AG4403*	56.8	57.4	62.3	1.8	35.4	35.1	35.5	19.0	20.2	20.0
~ SOUTHERN STATES RT 4451N**	56.7	59.7		2.1	35.9	35.7		18.3	19.3	
~ GREAT LAKES GL 4419RR**	56.6			2.2	36.0			18.5		
~ CROW'S C4444R**	56.4			2.0	36.4			18.2		
~ SOUTHERN CROSS MOAB 4.5 N, RR**	56.0	56.0		2.1	36.3	36.0		18.2	19.1	
~ CYST TECH RREX40CTA	55.5			1.7	37.2			18.8		
~ SEED CONSULTANTS SC 9436RR*	55.1	54.1		1.7	37.3	36.5		18.5	19.3	
~ SEED CONSULTANTS SC 9406RR*	54.1	50.5		1.8	37.5	36.6		18.2	19.2	
~ STEYER 4420 RR SCN**	53.8			2.2	36.5			18.4		
~ SEED CONSULTANTS SC 9415RR**	53.7	53.0	59.3	1.1	38.0	36.5	36.8	19.0	20.0	19.8
~ DYNA-GRO 37A44**	53.7	55.8		2.2	35.8	35.9		18.7	19.2	
~ SOUTHERN STATES RT 4151N**	53.4	54.4		1.7	38.0	36.9		18.7	19.7	
~ CROPLAN GENETICS RC 4095 RR*	52.1			1.6	36.9			18.6		
~ DELTA AND PINE LAND DP 4112 RR/S	50.9			2.1	38.0			17.5		
~ DELTA AND PINE LAND DP 4546 RR	50.4			2.4	37.3			18.1		
NS IA4003 (large seed, high protein)	48.5	43.9		2.0	40.4	40.1		18.0	18.1	
EARLY GROUP IV AVERAGE	57.5	56.1	61.7	1.8	36.8	36.4	36.0	18.6	19.5	19.8
LSD (0.10)	3.0	2.0	2.1	0.3						

RECOMMENDED TABLE

**TABLE 4. 2006 SUMMARY: VARIETY TEST TABLES 5-9**

BRAND — VARIETY	YIELD (BU/AC) <sup>A</sup>			LODGING	% PROTEIN <sup>B</sup>			% OIL <sup>B</sup>		
	2006	05-06	04-06	2006	2006	05-06	04-06	2006	05-06	04-06
<b>MATURITY GROUP LATE IV (RELATIVE MG 4.6-4.9)</b>										
~ SOUTHERN CROSS ELI 4.7 N, STS, RR	63.5			1.3	34.2			19.6		
~ STINE 4782-4	63.2			1.3	34.3			19.2		
~ NKXR 4669**	61.6			1.9	36.3			18.1		
~ GREAT LAKES GL 4709RR**	60.5			1.4	34.3			19.4		
~ VIGORO V49N6RR**	60.5	60.8		2.4	36.6	37.2		18.0	18.3	
~ DELTAGROW 4970 RR**	60.3			2.5	36.5			17.9		
~ NK BRAND S49-Q9**	60.2	60.3	63.0	2.0	36.1	36.6	36.2	17.8	18.3	18.4
~ EXCEL BRAND 8447NRR*	60.2			1.9	36.4			17.7		
~ STEYER 4700 RR SCN**	60.1	60.6	65.0	1.9	35.7	35.7	35.8	19.2	20.0	20.0
~ SOUTHERN STATES RT 4808N**	60.0	60.8		2.0	34.1	34.9		18.4	18.9	
~ NKXR 4967**	59.5			2.3	36.2			18.3		
~ DELTA KING DK4461	59.4	58.5	64.7	1.9	35.2	35.0	35.3	19.2	20.3	20.1
~ ASGROW AG4903	59.0	60.1		2.0	35.1	35.8		18.6	19.3	
~ GUTWEIN H-4878RR**	59.0	58.0		2.4	37.5	37.9		17.8	18.0	
~ CROW'S C4817R**	59.0			2.1	34.7			18.3		
~ ASGROW AG4703	58.8	59.8		1.7	36.0	36.6		18.0	18.7	
~ CROW'S C4815R**	58.6	58.0	62.1	2.0	37.8	37.7	38.0	17.5	18.4	18.6
~ PIONEER VARIETY 94B73	58.5	57.9	62.8	2.1	37.6	37.0	37.4	18.2	18.8	19.1
~ UNISOUTH GENETICS USG 74A76**	58.5			2.5	35.4			18.8		
~ SOUTHERN STATES RT 4777N**	58.5			2.4	36.9			18.7		
~ SOUTHERN STATES RT 4760N**	58.4			2.3	37.8			18.2		
~ DELTA KING DK4764**	58.4	57.9		2.2	36.1	36.2		18.2	18.2	
~ EXCEL BRAND 8481NRR*	58.3			2.2	37.0			18.2		
~ TRISOY 4858RR(CN)*	58.1	58.5		2.0	35.2	35.6		18.2	18.7	
~ CAVERDALE CF 482 RRn*	58.1			2.0	37.9			18.1		
~ DELTAGROW 4860 RR**	58.0			2.0	37.8			18.6		
~ SOUTHERN STATES RT 4996N**	58.0			2.2	36.5			19.0		
~ DELTA KING DK4866*	57.9	57.9	63.6	2.1	35.9	35.5	35.9	17.9	18.8	19.0
~ DELTA AND PINE LAND DP 4724 RR*	57.8	58.4		2.1	37.3	37.9		18.3	18.9	
~ HORNBECK HBK R4924**	57.6			2.3	34.9			18.6		
~ DEKALB DKB46-51**	57.6	57.4	62.0	2.1	37.7	37.7	37.7	18.0	18.7	18.3
~ SEED CONSULTANTS SC 9466RR**	57.6			1.9	36.7			17.9		
~ ASGROW AG4801*	57.1	58.7	62.2	1.6	36.7	36.9	36.9	18.9	19.6	19.6
~ DELTA KING DK4968	57.0			2.4	35.6			18.1		
~ DELTA KING DK4967**	56.6	57.9	62.8	2.2	37.3	37.0	37.0	17.9	19.0	19.0
~ HORNBECK HBK R4724	56.6	58.4		2.1	36.2	35.8		18.1	18.8	
~ PIONEER VARIETY 94M80*	56.6	56.0		2.1	37.3	37.6		18.1	18.8	
~ DELTA KING DKXTJ750	56.5			2.1	37.6			17.6		
~ DELTA KING DK4667**	56.5	56.9		2.7	35.3	35.5		18.3	19.2	
~ CROPLAN GENETICS RC 4955 RR*	56.3	56.8		2.1	35.2	35.3		18.7	19.6	
~ DYNA-GRO 38T47**	56.2			2.1	38.4			17.6		
~ DELTA AND PINE LAND DP 4919 RR/S	56.1			2.3	38.2			18.3		
~ SCHILLINGER SEED 495 RC*	55.9	57.0		2.3	36.8	37.6		17.9	17.9	
~ ADLER SEEDS 492RRN*	55.7			2.0	34.7			18.3		
~ STEYER 4600 RR SCN**	55.7			2.0	36.2			18.3		
~ SOUTHERN STATES RT 4981N**	55.6	56.7		2.1	35.7	36.1		18.5	19.2	
~ UNISOUTH GENETICS USG 7494nRR**	55.4	57.1	63.1	2.4	36.7	36.8	36.8	18.4	19.2	19.1
~ SOUTHERN CROSS DAN 4.8 N, RR**	55.2	57.3		2.2	36.5	36.2		18.5	19.0	
~ CROPLAN GENETICS RC 4842 RR**	55.1	55.2	60.2	2.0	37.6	37.5	37.5	18.2	19.0	19.1
~ DYNA-GRO 35Z49**	55.0	57.5		2.1	35.3	35.4		18.4	18.9	
~ SOUTHERN STATES RT 4651N**	55.0	55.4		1.8	36.9	36.9		17.0	17.9	
~ DELTA KING DK4763*	54.9	57.2	62.1	2.0	37.8	37.5	37.9	18.5	19.1	18.7
~ DELTAGROW 4840 RR**	54.5	56.3	61.1	2.5	36.6	36.1	36.2	18.6	19.1	19.1
~ UNISOUTH GENETICS USG 7484nRR**	54.3	57.0	62.2	2.1	37.0	36.0	36.1	18.2	18.9	18.9
~ EXCEL BRAND 8493NRR*	54.2	56.7		2.1	37.7	37.6		17.3	18.0	
~ HELENA BRAND SEED 4875**	53.1	56.4	61.6	2.2	36.8	36.1	36.4	17.8	18.5	18.5
~ CROPLAN GENETICS RC 4655 RR*	49.8	51.6		1.9	37.4	36.8		17.3	19.1	
LATE GROUP IV AVERAGE	57.5	57.7	62.6	2.1	36.4	36.5	36.7	18.3	18.9	19.0
LSD (0.10)	2.8	2.0	2.1	0.2						

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**TABLE 4. 2006 SUMMARY: VARIETY TEST TABLES 5-9**

BRAND — VARIETY	YIELD (BU/AC) <sup>A</sup>			LODGING	% PROTEIN <sup>B</sup>			% OIL <sup>B</sup>		
	2006	05-06	04-06	2006	2006	05-06	04-06	2006	05-06	04-06
<b>MATURITY GROUP V</b>										
UNISOUTH GENETICS USG 5601T	<b>61.3</b>	<b>64.0</b>	<b>66.2</b>	2.6	37.9	38.0	37.7	16.7	17.6	17.8
~ UNISOUTH GENETICS USG 56379	61.1			2.5	36.5			16.7		
~ DELTAGROW 5160 RR**	61.1			2.4	37.6			18.1		
UNISOUTH GENETICS USG 5002T	<b>60.5</b>	<b>63.9</b>	64.0	2.7	36.0	36.1	35.7	18.3	19.1	19.2
P ANAND**	<b>59.7</b>	60.2	59.9	2.3	34.7	35.2	35.4	18.6	18.8	18.9
~ UNISOUTH GENETICS USG ALLEN	<b>58.9</b>			2.6	36.6			16.8		
~ SOUTHERN CROSS DAMASCUS 5.0 N, RR	58.7			2.4	37.3			18.4		
~ EXCEL BRAND 8520NRR*	58.6			2.4	37.2			17.2		
~ DELTA KING DK52K6**	57.8			2.9	37.6			17.6		
~ VIGORO V50N7R5**	57.7			2.3	37.3			18.7		
~ EXCEL BRAND 8512NRR*	57.6			2.3	36.9			18.1		
~ UNISOUTH GENETICS USG 75J32**	57.5	59.4	60.7	2.3	36.5	36.1	36.2	17.8	18.4	18.2
P TEEJAY	57.4	60.1	61.5	2.3	35.5	36.0	35.9	17.7	18.5	18.5
~ NKXR 5068*	56.4			2.0	36.9			17.3		
~ UNISOUTH GENETICS USG 56293	56.3			2.9	37.1			17.0		
~ VIGORO V50N5RR**	56.2	57.8	61.3	2.5	37.9	37.4	37.3	18.0	18.6	18.8
~ DELTA KING DK5567*	56.1	60.5	60.0	3.2	35.7	36.0		17.1	18.0	
P JAKE	56.0			2.5	35.5			17.9		
~ DELTA KING 5368	55.8			3.6	38.2			17.8		
~ DELTA KING DK5066**	55.5	58.4		2.2	37.3	37.7		18.5	18.9	
~ SOUTHERN STATES RT 5160N*	55.5			2.8	35.5			18.1		
~ DELTA KING DK5161**	55.4	57.4	58.3	3.7	35.3	35.4	36.0	18.6	19.1	19.1
~ TRISOY 5060RR(CN)*	55.2			2.3	37.6			17.6		
~ DELTA KING DK55T6**	55.0	58.4	56.7	3.3	35.3	35.2	35.5	17.5	18.5	18.2
~ UNISOUTH GENETICS USG 7515nRS**	54.6			2.4	37.7			18.0		
~ UNISOUTH GENETICS USG 56124	54.5			2.7	37.2			17.1		
~ UNISOUTH GENETICS USG 75M16	54.5			2.5	35.0			17.9		
~ SOUTHERN STATES RT 5540N**	54.5	56.7	58.4	2.7	36.8	36.5	36.8	18.0	18.9	18.7
P HUTCHESON	54.3	59.0	58.5	2.7	36.6	36.4	36.2	17.9	18.7	18.7
~ HORNBECK HBK R5226*	53.6			3.5	37.7			17.2		
~ DELTA KING DKXTJ703*	53.1			2.5	36.3			17.4		
~ DELTA KING DKXTJ704	53.1			2.1	37.7			17.8		
~ DELTA KING DK5366**	52.6	57.5	55.9	3.5	36.3	36.9	37.2	17.1	18.2	17.8
~ GUTWEIN H-5053RR**	52.5	55.1	61.0	2.7	36.7	36.9	37.3	17.9	18.6	18.6
~ PIONEER VARIETY 95M30**	52.5			3.1	36.2			16.7		
~ DELTA AND PINE LAND DP 5115 RR/S	52.3			2.2	36.9			17.6		
NS KS5005sp (large seed, high protein)	51.3	52.6	55.2	2.6	37.6	38.0	38.2	17.4	17.9	17.9
NS K03-3825 (high protein)	50.8			1.7	37.9			17.5		
~ SOUTHERN STATES RT 5130N**	50.5	55.0	55.5	2.8	37.5	37.7	37.8	17.3	18.1	17.8
NS K03-3821 (high protein)	49.8			2.0	39.9			17.8		
NS KS5003sp (small seeded variety)	46.2	46.5	47.2	3.5	35.8	35.8	35.7	19.1	19.2	19.2
NS KS1642sp (low linolenic acid)	45.7	47.1		3.2	34.0	34.3		18.9	19.4	
GROUP V AVERAGE	55.2	57.2	58.8	2.6	36.8	36.4	36.6	17.7	18.6	18.5
LSD (0.10)	2.5	1.9	2.0	0.2						
GRAND MEAN	56.3	55.7	59.9	2.1	36.9	37.0	36.7	18.4	19.3	19.0

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~ Roundup Ready variety

P Entries with a P prefix are public varieties.

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

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

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

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

<sup>B</sup> 2006 variety protein and oil concentration was determined at the Hancock Co. location (all test locations for NS entries) and expressed on the basis of 13% moisture. 2005 protein-oil data is from Caldwell Co. and 2004 protein-oil data is from Fayette Co. These data were provided by the Iowa State University Grain Quality Analysis Services using near-infrared (NIR) analysis.

**TABLE 5. 2006 CALDWELL CO. FULL-SEASON VARIETY TEST.**

BRAND — VARIETY	YIELD (BU/AC) <sup>A</sup>			LODGING
	2006	05-06	04-06	2006
<b>MATURITY GROUP II-III (RELATIVE MG 2.7-3.9)</b>				
~ ASGROW AG3905*	65.4	61.9	65.2	1.5
~ VIGORO V36N5RR**	61.8	54.5		2.0
~ NK BRAND S37-N4**	61.5	55.6	62.5	2.0
~ PIONEER VARIETY 93M90*	61.3	56.7	61.8	1.8
~ SOUTHERN CROSS STEPHEN 3.8 N, RR*	61.1	58.0	62.7	1.8
~ SEED CONSULTANTS SC 9396RR**	59.9	55.5		2.0
~ HELENA BRAND SEED 3676**	59.9	50.4		2.0
~ EXCEL BRAND 8396RR/STS	59.7			2.3
~ DELTA KING DK3968**	59.3	56.5	60.4	1.0
~ DELTA AND PINE LAND DPX3994RR*	59.2			1.3
~ DELTA KING DKXTJ39T6	59.2			1.5
~ EBBERTS 1385RR	58.8	59.4	64.6	2.0
~ ASGROW AG3906*	58.6	55.1		1.8
~ SOUTHERN STATES RT 3851N**	58.3	51.1		2.0
~ DELTA AND PINE LAND DP 3861 RR*	58.0	56.5	60.5	2.0
~ DYNA-GRO 32C38**	58.0			1.5
NS STEWART SEEDS SIG M40111	58.0			1.8
~ DELTAGROW 3950 RR*	57.1			1.3
~ CYST TECH RR0031CTA	56.8			1.3
~ VIGORO V38N5RS**	56.3	53.8	59.7	1.0
~ SOUTHERN STATES RT 3860	56.2			1.3
~ GUTWEIN H-3606RR*	55.5	54.9		1.8
~ SEED CONSULTANTS SC 9386A RR*	55.4	50.7		1.8
~ HORNBECK HBK R3824	55.2			2.3
~ EBBERTS 1397RR**	54.3			2.0
~ STEYER 3630 RR SCN**	54.2			1.0
~ DEKALB DKB36-52*	53.6	49.8	56.5	1.8
~ SOUTHERN STATES RT 3951N*	53.4	48.6		2.0
NS DIENER SEEDS D293	53.1			1.0
~ UNISOUTH GENETICS USG 7393nRR**	52.6	52.0		1.3
NS DIENER SEEDS D300	52.2			1.0
~ HELENA BRAND SEED 3975**	51.9	53.4		1.3
~ SEED CONSULTANTS SC 9386RR**	51.9			2.0
~ SOUTHERN STATES RT 3760N*	51.7			1.8
~ DELTA KING DK3964**	51.2			2.0
~ STINE 3832-4**	51.1	52.1		1.3
~ CROPLAN GENETICS RC 3935 RR**	50.7	50.1		1.8
~ EBBERTS 1386RR**	50.7			2.0
~ ASGROW AG3705*	50.4			1.0
~ DELTA KING DK3967**	50.3	47.1		2.0
~ PIONEER VARIETY 93M42**	49.7			1.5
NS STEWART SEEDS SIG M40619	49.7			2.0
~ NKXR 3669	49.6			1.0
~ EBBERTS 1365RR**	48.9	50.2	58.5	1.8
~ SEED CONSULTANTS SC 9387RR*	46.2			1.0
~ LG C2777NRR	44.7			2.0
~ SOUTHERN CROSS GOSHEN 2.9 N, RR	44.1			1.3
~ SOUTHERN STATES RT 2800	41.8			1.0
NS IA3021 (large seed, high protein)	39.1	30.8	38.1	1.0
NS IA3006PR (high protein, phytophthora resistance)	38.7	33.1		2.0
P IA 3023	35.2	34.2	43.9	1.3
NS IA3022 (large seed, high protein)	34.4	33.6	43.2	2.3
NS IA3027 (large seed, high protein)	29.9			1.0
GROUP III AVERAGE	52.7	50.6	56.7	1.6
LSD (0.10)	7.0	4.5	3.4	0.4

**TABLE 5. 2006 CALDWELL CO. FULL-SEASON VARIETY TEST.**

BRAND — VARIETY	YIELD (BU/AC) <sup>A</sup>			LODGING
	2006	05-06	04-06	2006
<b>MATURITY GROUP EARLY IV (RELATIVE MG 4.0-4.5)</b>				
~ STINE 4402-4**	68.1			2.0
~ GUTWEIN H-4534RR**	65.3	61.9		2.0
~ DELTA AND PINE LAND DP 4331 RR*	63.9	61.4	64.9	2.0
~ ASGROW AG4404*	63.4	60.7		2.3
~ EXCEL BRAND 8427NRR/STS	62.8	56.5		1.3
~ CAVERNDAL CF 422 RR/STSn**	61.5			1.8
~ DEKALB DKB42-51*	61.4			2.0
BECK 422NRR**	61.4			1.8
~ GREAT LAKES GL 4129RR**	61.1			2.3
~ DELTAGROW 4150 RR*	60.6			2.3
~ SEED CONSULTANTS SC 9442RR**	60.6			2.3
~ VIGORO V42N3RR**	60.1	56.1	62.3	1.5
~ DELTAGROW 4460 RR**	59.9			2.8
~ PIONEER VARIETY 94M30*	59.9	55.9		2.5
~ HELENA BRAND SEED 4375**	59.8	63.5	66.4	1.5
~ EXCEL BRAND 8450NRR*	59.3			2.0
~ PIONEER VARIETY 94M50*	59.2	53.3		2.0
~ PIONEER VARIETY 94M31*	59.1			2.3
~ GREAT LAKES GL 4419RR**	58.7			2.8
~ NK BRAND S43-B1**	58.6	56.5	60.9	2.0
~ BECK 444NRR**	58.5	60.8		2.8
~ ASGROW AG4103*	58.3			2.0
~ ADLER SEEDS 432RRN*	58.2			2.0
~ CROPLAN GENETICS RC 4455 RR**	58.2	62.1		2.3
~ SOUTHERN CROSS MICHAEL 4.2 N, RR, STS**	57.8	57.7	63.1	1.5
~ DYNA-GRO DG3443NRR**	57.4	62.1	64.6	2.0
~ SOUTHERN STATES RT 4451N**	56.6	61.3		2.5
~ SEED CONSULTANTS SC 9436RR*	56.2	55.5		2.0
~ VIGORO V44N6RR**	56.2	62.6		2.8
~ SOUTHERN STATES RT 4551N	56.1	55.3		2.0
~ VIGORO V42N7RS**	56.1			1.5
~ DELTA KING DKXTJ744	55.6			2.0
~ DELTA AND PINE LAND DP 4112 RR/S	54.9			2.3
~ SEED CONSULTANTS SC 9456RR**	54.3	54.1		2.5
~ SOUTHERN STATES RT 4151N**	54.2	54.2		2.0
~ SEED CONSULTANTS SC 9415RR**	54.1	55.4	57.1	1.0
~ SOUTHERN CROSS MOAB 4.5 N, RR**	54.0	57.8		2.5
~ CROW'S C4444R**	53.9			2.3
NS DIENER SEEDS D400S	53.8			2.5
~ ASGROW AG4403*	53.7	57.7	62.3	2.0
~ DELTA AND PINE LAND DP 4546 RR	53.1			2.8
~ CYST TECH RREX40CTA	52.5			2.0
~ SOUTHERN STATES RT 4440N**	52.5	52.4	53.6	2.0
NS IA4003 (large seed, high protein)	50.8	48.5		2.0
~ SEED CONSULTANTS SC 9406RR*	50.8	48.7		2.0
~ CROPLAN GENETICS RC 4095 RR*	50.3			2.0
~ DYNA-GRO 37A44**	50.2	51.5		2.5
~ STEYER 4420 RR SCN**	49.9			2.5
EARLY GROUP IV AVERAGE	57.3	57.0	61.7	2.1
LSD (0.10)	6.5	4.5	3.5	0.3

**TABLE 5. 2006 CALDWELL CO. FULL-SEASON VARIETY TEST.**

BRAND — VARIETY	YIELD (BU/AC) <sup>A</sup>			LOGGING
	2006	05-06	04-06	2006
<b>MATURITY GROUP LATE IV (RELATIVE MG 4.6-4.9)</b>				
~ SOUTHERN STATES RT 4808N**	64.4	65.5		1.8
~ DELTAGROW 4970 RR**	62.8			2.0
~ VIGORO V49N6RR**	61.1	62.5		2.0
~ SOUTHERN CROSS ELI 4.7 N, STS, RR	61.0			1.0
~ HORNBECK HBK R4924**	60.5			2.0
~ EXCEL BRAND 8481NRR*	60.3			2.3
~ NKXR 4669**	59.9			1.8
~ PIONEER VARIETY 94B73	57.7	57.5	62.6	2.0
~ NK BRAND S49-Q9**	57.4	56.3	59.9	1.8
~ DELTA KING DK4968	57.2			2.0
~ ASGROW AG4903	57.1	60.0		1.8
~ CROW'S C4817R**	56.0			2.0
~ STINE 4782-4	56.0			1.0
~ DELTA KING DK4866*	55.7	59.1	64.9	2.0
~ STEYER 4700 RR SCN**	55.5	58.2	61.9	1.8
~ EXCEL BRAND 8447NRR*	55.5			1.8
~ DYNA-GRO 38T47**	55.4			1.8
~ DELTA KING DK4461	55.4	56.2	61.4	2.0
~ DELTA KING DK4667**	55.3	57.3		2.3
~ PIONEER VARIETY 94M80*	55.2	57.7		1.8
~ GUTWEIN H-4878RR**	55.1	55.3		2.0
~ ASGROW AG4703	54.9	59.7		1.3
~ CAVERNDALE CF 482 RRn*	54.6			2.0
~ CROW'S C4815R**	54.3	57.2	62.0	2.0
~ DEKALB DKB46-51**	54.3	57.5	61.7	2.0
~ DELTA KING DK4764**	54.3	53.4		2.0
~ SOUTHERN STATES RT 4777N**	54.0			2.5
~ DELTA KING DKXTJ750	53.9			1.8
~ SOUTHERN STATES RT 4760N**	53.7			2.0
~ GREAT LAKES GL 4709RR**	53.1			1.0
~ STEYER 4600 RR SCN**	53.0			1.8
~ SEED CONSULTANTS SC 9466RR**	53.0			1.8
~ UNISOUTH GENETICS USG 7494nRR**	53.0	52.4	59.1	2.3
~ HORNBECK HBK R4724	52.5	57.7		2.0
~ DYNA-GRO 35Z49**	52.0	57.5		2.0
~ SOUTHERN STATES RT 4651N**	51.7	57.3		1.5
~ DELTA AND PINE LAND DP 4919 RR/S	51.5			2.3
~ DELTAGROW 4860 RR**	51.2			1.8
~ UNISOUTH GENETICS USG 7484nRR**	51.2	58.6	63.2	2.0
~ DELTAGROW 4840 RR**	50.9	56.6	62.0	2.5
~ DELTA KING DK4967**	50.7	53.3	58.3	2.0
~ SOUTHERN STATES RT 4981N**	50.4	52.4		2.0
~ DELTA AND PINE LAND DP 4724 RR*	49.9	52.7		2.0
~ UNISOUTH GENETICS USG 74A76**	49.8			2.0
~ NKXR 4967**	49.2			2.3
~ CROPLAN GENETICS RC 4842 RR**	48.4	52.8	57.3	1.8
~ CROPLAN GENETICS RC 4955 RR*	47.9	52.1		1.8
~ ADLER SEEDS 492RRN*	47.7			1.8
~ ASGROW AG4801*	47.6	54.6	56.9	1.3
~ DELTA KING DK4763*	46.9	51.9	58.8	1.5
~ SOUTHERN STATES RT 4996N**	46.7			2.0
~ TRISOY 4858RR(CN)*	46.3	52.0		1.8
~ SOUTHERN CROSS DAN 4.8 N, RR**	45.8	54.9		2.0
~ SCHILLINGER SEED 495 RC*	45.1	50.6		2.3
~ HELENA BRAND SEED 4875**	44.2	52.9	59.2	2.0
~ EXCEL BRAND 8493NRR*	44.0	49.7		2.0
~ CROPLAN GENETICS RC 4655 RR*	41.7	48.3		1.8
LATE GROUP IV AVERAGE	53.0	55.6	60.6	1.9
LSD (0.10)	6.8	4.6	3.5	0.3



**TABLE 5. 2006 CALDWELL CO. FULL-SEASON VARIETY TEST.**

BRAND — VARIETY	YIELD (BU/AC) <sup>A</sup>			LOGGING
	2006	05-06	04-06	2006
<b>MATURITY GROUP V</b>				
UNISOUTH GENETICS USG 5601T	<b>63.7</b>	<b>66.3</b>	<b>67.9</b>	2.0
~ UNISOUTH GENETICS USG 56379	62.3			2.3
UNISOUTH GENETICS USG 5002T	<b>57.6</b>	61.6	62.6	2.5
~ UNISOUTH GENETICS USG ALLEN	57.4			2.0
~ EXCEL BRAND 8520NRR*	57.1			2.3
~ UNISOUTH GENETICS USG 56293	55.9			2.0
P TEEJAY	55.7	58.4	60.6	2.0
~ DELTA KING DK55T6**	55.5	55.7	55.7	2.5
~ DELTAGROW 5160 RR**	55.5			2.8
NS KS5005sp (large seed, high protein)	55.4	56.4	58.9	1.5
~ EXCEL BRAND 8512NRR*	54.9			2.0
~ DELTA KING DK5567*	53.9	58.6	59.0	2.8
~ DELTA KING 5368	53.9			3.0
P HUTCHESON	53.6	56.2	57.6	2.3
~ DELTA KING DK5161**	53.5	56.5	57.9	2.8
~ VIGORO V50N7RS**	53.5			2.0
~ DELTA KING DK52K6**	53.4			2.5
~ SOUTHERN CROSS DAMASCUS 5.0 N, RR	53.3			2.0
~ DELTA KING DK5366**	53.1	56.5	54.6	3.3
P ANAND**	52.5	58.6	59.8	2.0
~ SOUTHERN STATES RT 5540N**	52.0	53.8	54.5	2.3
~ SOUTHERN STATES RT 5160N*	51.4			2.0
~ PIONEER VARIETY 95M30**	51.3			2.8
~ GUTWEIN H-5053RR**	50.8	53.8	61.0	2.5
P JAKE	50.7			2.3
~ UNISOUTH GENETICS USG 75J32**	49.7	52.5	57.2	2.0
~ VIGORO V50N5RR**	49.6	54.9	60.3	2.8
~ TRISOY 5060RR(CN)*	49.3			1.8
~ UNISOUTH GENETICS USG 75M16	49.0			2.0
~ UNISOUTH GENETICS USG 56124	48.8			2.0
~ HORNBECK HBK R5226*	48.4			2.8
~ DELTA AND PINE LAND DP 5115 RR/S	48.0			2.0
~ NKXR 5068*	48.0			1.8
~ DELTA KING DK5066**	46.7	51.5		2.0
~ SOUTHERN STATES RT 5130N**	45.2	52.3	55.4	2.3
~ DELTA KING DKXTJ703*	44.1			2.3
NS K03-3821 (high protein)	43.3			2.0
NS KS1642sp (low linolenic acid)	41.1	42.4		2.5
NS KS5003sp (small seeded variety)	41.0	44.3	48.8	3.3
~ UNISOUTH GENETICS USG 7515nRS**	40.6			2.0
~ DELTA KING DKXTJ704	40.3			1.5
NS K03-3825 (high protein)	40.1			1.3
GROUP V AVERAGE	51.0	55.0	58.2	2.2
LSD (0.10)	6.2	4.5	3.4	0.4
GRAND MEAN	53.5	54.6	59.1	1.9

~ Roundup Ready variety

P Entries with a P prefix are public varieties.

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

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

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

<sup>A</sup> 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 6. 2006 FAYETTE CO. FULL-SEASON VARIETY TEST.**

BRAND — VARIETY	YIELD (BU/AC) <sup>A</sup>			LODGING	PLANT HEIGHT (INCHES)	MATURITY DATE
	2006	05-06	04-06			
<b>MATURITY GROUP II-III (RELATIVE MG 2.7-3.9)</b>						
~ VIGORO V38N5RS**	67.0	51.2	60.7	1.5	40	9/21
~ NKXR 3669	66.7			1.3	42	9/19
~ DELTA KING DK3968**	65.4	51.4	60.5	1.0	40	9/20
~ SEED CONSULTANTS SC 9386A RR*	64.7	47.7		1.8	39	9/20
~ SEED CONSULTANTS SC 9396RR**	64.4	46.4		1.3	41	9/20
~ UNISOUTH GENETICS USG 7393nRR**	64.2	47.2		1.5	36	9/22
~ SEED CONSULTANTS SC 9387RR*	64.2			1.0	38	9/18
~ SOUTHERN CROSS STEPHEN 3.8 N, RR*	63.9	48.1	58.2	1.3	38	9/21
~ EBBERTS 1385RR	63.5	51.2	62.0	1.3	40	9/21
~ GUTWEIN H-3606RR*	63.0	45.8		1.5	39	9/20
~ DELTA KING DKXTJ39T6	62.8			1.5	40	9/25
~ EBBERTS 1386RR**	62.8			2.3	44	9/19
~ STEYER 3630 RR SCN**	62.8			1.0	35	9/21
~ ASGROW AG3705*	62.2			1.3	38	9/21
~ NK BRAND S37-N4**	62.1	47.0	56.9	2.3	43	9/22
~ SOUTHERN STATES RT 3760N*	62.0			1.5	45	9/18
~ SOUTHERN STATES RT 3860	62.0			1.0	39	9/18
~ HELENA BRAND SEED 3676**	61.9	45.5		2.3	47	9/22
~ STINE 3832-4**	61.7	48.0		2.0	38	9/21
~ DELTA KING DK3967**	61.4	46.4		2.3	45	9/22
~ ASGROW AG3906*	60.8	47.3		1.5	37	9/23
~ EXCEL BRAND 8396RR/STS	60.8			1.8	39	9/18
~ DELTA AND PINE LAND DP 3861 RR*	60.6	44.1	56.4	1.3	39	9/18
~ DYNA-GRO 32C38**	60.6			1.3	41	9/21
~ ASGROW AG3905*	60.5	47.2	59.2	1.8	41	9/26
NS STEWART SEEDS SIG M40111	60.5			1.5	37	9/24
~ VIGORO V36N5RR**	60.5	47.5		2.0	39	9/18
NS DIENER SEEDS D293	60.3			1.5	38	9/11
~ DEKALB DKB36-52*	60.2	43.9	56.0	1.0	39	9/18
~ DELTA AND PINE LAND DPX3994RR*	60.0			1.8	42	9/23
~ SOUTHERN STATES RT 3851N**	60.0	49.6		1.3	41	9/23
~ PIONEER VARIETY 93M42**	59.9			1.3	42	9/18
~ DELTAGROW 3950 RR*	59.6			1.8	37	9/25
~ SEED CONSULTANTS SC 9386RR**	58.9			1.8	44	9/20
~ HELENA BRAND SEED 3975**	58.5	45.2		1.8	41	9/27
P IA 3023	58.4	42.1	52.0	1.8	36	9/14
~ CYST TECH RR0031CTA	58.0			1.0	38	9/15
~ SOUTHERN STATES RT 3951N*	58.0	47.9		1.8	44	9/22
~ HORNBECK HBK R3824	57.8			3.0	41	9/26
~ EBBERTS 1365RR**	57.7	44.1	57.4	2.0	42	9/19
~ PIONEER VARIETY 93M90*	57.7	44.5	56.7	1.0	42	9/18
NS DIENER SEEDS D300	57.6			1.0	36	9/11
~ CROPLAN GENETICS RC 3935 RR**	57.4	40.5		1.8	43	9/23
NS STEWART SEEDS SIG M40619	56.1			2.0	43	9/18
~ SOUTHERN STATES RT 2800	55.7			1.5	40	9/10
~ EBBERTS 1397RR**	55.5			1.8	42	9/22
NS IA3022 (large seed, high protein)	53.3	41.7	50.1	2.0	38	9/14
~ DELTA KING DK3964**	53.0			2.3	44	9/21
~ SOUTHERN CROSS GOSHEN 2.9 N, RR	52.4			1.5	41	9/11
NS IA3027 (large seed, high protein)	51.4			1.8	34	9/8
NS IA3006PR (high protein, phytophthora resistance)	51.3	38.3		2.0	33	9/11
~ LG C2777NRR	49.2			1.5	38	9/11
NS IA3021 (large seed, high protein)	44.3	33.2	45.0	1.5	34	9/12
GROUP III AVERAGE	59.5	45.7	56.2	1.6	40	9/19
LSD (0.10)	4.2	3.3	3.1	0.4	1.6	

**TABLE 6. 2006 FAYETTE CO. FULL-SEASON VARIETY TEST.**

BRAND—VARIETY	YIELD (BU/AC) <sup>A</sup>			LODGING 2006	PLANT HEIGHT (INCHES) 2006	MATURITY DATE 2006
	2006	05-06	04-06			
<b>MATURITY GROUP EARLY IV (RELATIVE MG 4.0-4.5)</b>						
~ DEKALB DKB42-51*	65.2			2.0	42	9/27
~ DELTA KING DKXTJ744	63.4			1.3	40	9/27
~ CYST TECH RREX40CTA	63.2			1.5	39	9/22
~ PIONEER VARIETY 94M50*	61.6	47.9		1.8	40	9/29
~ DELTAGROW 4150 RR*	61.3			2.0	40	9/28
NS DIENER SEEDS D400S	61.3			2.0	40	9/24
~ NK BRAND S43-B1**	60.2	45.0	55.8	2.0	41	9/25
~ VIGORO V42N7RS**	59.8			1.3	35	9/25
~ SEED CONSULTANTS SC 9415RR**	59.7	44.7	55.6	1.0	35	9/23
~ STINE 4402-4**	59.5			1.0	35	9/26
~ EXCEL BRAND 8427NRR/STS	59.2	43.5		1.0	35	9/25
~ SEED CONSULTANTS SC 9442RR**	58.6			2.0	43	9/28
~ VIGORO V42N3RR**	58.6	47.6	59.0	1.0	36	9/27
BECK 422NRR**	58.4			1.0	40	9/26
~ ASGROW AG4103*	58.3			1.8	43	9/24
~ BECK 444NRR**	58.3	46.3		2.0	45	9/26
~ VIGORO V44N6RR**	57.5	45.8		2.0	41	9/26
~ GREAT LAKES GL 4129RR**	57.3			1.8	42	9/25
~ ADLER SEEDS 432RRN*	57.1			1.8	38	9/25
~ EXCEL BRAND 8450NRR*	57.1			1.3	37	10/2
~ CROPLAN GENETICS RC 4455 RR**	57.0	44.0		2.0	43	9/28
~ PIONEER VARIETY 94M31*	56.7			1.0	41	9/25
~ DYNA-GRO 37A44**	56.5	47.4		2.0	41	9/27
~ DELTA AND PINE LAND DP 4331 RR*	56.4	42.7	55.4	1.5	41	9/27
~ DELTAGROW 4460 RR**	56.4			2.3	43	9/27
~ CAVERDALE CF 422 RR/STSn**	56.1			1.3	37	9/26
~ SEED CONSULTANTS SC 9406RR*	55.9	42.5		1.8	36	9/25
NS IA4003 (large seed, high protein)	55.8	38.5		2.3	37	9/25
~ SOUTHERN STATES RT 4440N**	55.6	47.7	55.7	1.8	41	9/26
~ GUTWEIN H-4534RR**	55.6	47.0		2.0	44	9/27
~ SOUTHERN CROSS MICHAEL 4.2 N, RR, STS**	55.6	45.2	56.0	1.0	33	9/26
~ ASGROW AG4403*	55.4	44.7	56.4	1.8	40	9/27
~ CROW'S C4444R**	55.1			2.0	43	9/28
~ SOUTHERN STATES RT 4451N**	54.8	46.8		2.0	42	9/26
~ STEYER 4420 RR SCN**	54.7			2.0	42	9/26
~ SEED CONSULTANTS SC 9436RR*	54.6	42.2		1.5	40	9/28
~ ASGROW AG4404*	54.4	43.4		1.8	42	9/27
~ HELENA BRAND SEED 4375**	53.8	40.3	56.8	1.0	39	9/28
~ SEED CONSULTANTS SC 9456RR**	53.1	42.8		2.0	43	9/26
~ SOUTHERN STATES RT 4151N**	52.7	41.5		1.5	40	9/27
~ DYNA-GRO DG3443NRR**	52.4	45.1	54.8	1.8	43	9/28
~ SOUTHERN STATES RT 4551N	52.3	45.0		2.0	42	9/28
~ PIONEER VARIETY 94M30*	52.0	42.8		1.8	42	10/1
~ SOUTHERN CROSS MOAB 4.5 N, RR**	51.9	43.1		2.0	42	9/26
~ GREAT LAKES GL 4419RR**	50.9			2.0	42	9/28
~ DELTA AND PINE LAND DP 4112 RR/S	48.8			2.3	47	9/29
~ CROPLAN GENETICS RC 4095 RR*	47.3			1.0	39	9/24
~ DELTA AND PINE LAND DP 4546 RR	44.8			2.3	42	10/2
EARLY GROUP IV AVERAGE	56.3	44.4	56.2	1.7	40	9/27
LSD (0.10)	5.4	3.6	3.0	0.3	2.3	

**TABLE 6. 2006 FAYETTE CO. FULL-SEASON VARIETY TEST.**

BRAND —VARIETY	YIELD (BU/AC) <sup>A</sup>			LOGGING 2006	PLANT HEIGHT (INCHES) 2006	MATURITY DATE 2006
	2006	05-06	04-06			
<b>MATURITY GROUP LATE IV (RELATIVE MG 4.6-4.9)</b>						
~ CROW'S C4815R**	64.0	52.3	62.0	2.0	41	10/2
~ SEED CONSULTANTS SC 9466RR**	64.0			1.8	40	9/29
~ DELTA KING DK4764**	63.4	50.8		2.0	43	10/3
~ VIGORO V49N6RR**	63.3	52.7		2.3	45	10/8
~ NKXR 4967**	63.2			2.0	44	10/5
~ STINE 4782-4	63.1			1.0	33	10/2
~ ASGROW AG4903	62.5	52.1		2.0	42	10/8
~ SOUTHERN STATES RT 4996N**	62.4			2.0	45	10/6
~ TRISOY 4858RR(CN)*	62.4	50.0		2.0	46	10/6
~ DYNA-GRO 35Z49**	62.2	51.4		2.0	51	10/6
~ ADLER SEEDS 492RRN*	62.0			2.0	43	10/9
~ SOUTHERN CROSS ELI 4.7 N, STS, RR	62.0			1.0	34	10/2
~ ASGROW AG4801*	61.6	47.4	58.2	1.3	37	10/3
~ DELTA KING DK4461	61.4	48.7	61.5	2.0	43	10/1
~ UNISOUTH GENETICS USG 74A76**	61.2			3.0	43	10/2
~ SOUTHERN CROSS DAN 4.8 N, RR**	61.0	52.9		2.0	41	10/2
~ GREAT LAKES GL 4709RR**	60.5			1.0	36	10/3
~ DELTA KING DK4866*	60.3	49.6	60.8	2.0	43	10/3
~ DYNA-GRO 38T47**	60.3			2.0	44	10/2
~ CROW'S C4817R**	60.0			2.0	43	10/6
~ DELTAGROW 4970 RR**	59.7			2.5	47	10/11
~ EXCEL BRAND 8447NRR*	59.7			1.8	43	10/7
~ HELENA BRAND SEED 4875**	59.3	50.3	60.4	2.0	41	10/3
~ DELTA KING DK4763*	59.2	49.6	59.5	2.0	40	10/2
~ DEKALB DKB46-51**	59.1	49.3	59.2	2.0	43	10/3
~ PIONEER VARIETY 94B73	58.8	46.5	58.5	2.0	43	9/29
~ DELTA KING DKXTJ750	58.6			2.0	40	10/6
~ DELTAGROW 4840 RR**	58.6	51.7	60.7	2.0	40	10/2
~ SOUTHERN STATES RT 4760N**	58.6			2.3	45	9/30
~ GUTWEIN H-4878RR**	58.4	48.0		2.5	49	10/9
~ SCHILLINGER SEED 495 RC*	58.3	50.0		2.0	45	10/8
~ HORNBECK HBK R4724	58.1	47.2		2.0	47	10/4
~ CROPLAN GENETICS RC 4955 RR*	58.1	50.3		2.0	50	10/8
~ DELTA KING DK4968	58.0			2.3	45	10/5
~ SOUTHERN STATES RT 4651N**	58.0	47.8		1.8	42	10/4
~ DELTA AND PINE LAND DP 4919 RR/S	57.9			2.3	48	10/3
~ DELTAGROW 4860 RR**	57.9			2.3	43	10/3
~ SOUTHERN STATES RT 4808N**	57.8	47.4		2.0	43	10/4
~ EXCEL BRAND 8481NRR*	57.8			2.5	50	10/7
~ HORNBECK HBK R4924**	57.8			2.0	46	10/7
~ UNISOUTH GENETICS USG 7494nRR**	57.7	53.2	62.9	2.0	38	10/4
~ CAVERDALE CF 482 RRn*	57.5			2.0	41	10/4
~ NKXR 4669**	57.4			2.0	48	10/3
~ ASGROW AG4703	57.3	49.0		2.0	37	10/1
~ DELTA AND PINE LAND DP 4724 RR*	57.0	51.4		2.0	39	10/1
~ SOUTHERN STATES RT 4981N**	56.7	49.2		2.0	48	10/5
~ SOUTHERN STATES RT 4777N**	56.7			2.3	44	10/3
~ EXCEL BRAND 8493NRR*	56.5	50.7		2.3	44	10/5
~ STEYER 4600 RR SCN**	56.3			1.8	37	9/29
~ STEYER 4700 RR SCN**	56.0	47.4	60.5	1.8	43	9/30
~ UNISOUTH GENETICS USG 7484nRR**	55.9	48.0	59.9	2.0	40	10/3
~ NK BRAND S49-Q9**	55.4	48.5	57.7	2.3	45	10/5
~ CROPLAN GENETICS RC 4842 RR**	55.3	46.2	56.0	2.0	41	10/1
~ PIONEER VARIETY 94M80*	55.0	47.6		2.0	49	10/5
~ DELTA KING DK4667**	54.5	47.5		2.8	44	9/29
~ DELTA KING DK4967**	54.4	46.6	57.5	2.3	39	10/2
~ CROPLAN GENETICS RC 4655 RR*	47.7	42.3		2.0	43	9/30
LATE GROUP IV AVERAGE	58.9	49.2	59.7	2.0	43	10/4
LSD (0.10)	5.6	3.7	3.1	0.3	2.7	

**TABLE 6. 2006 FAYETTE CO. FULL-SEASON VARIETY TEST.**

BRAND —VARIETY	YIELD (BU/AC) <sup>A</sup>			LODGING	PLANT HEIGHT (INCHES)	MATURITY DATE
	2006	05-06	04-06			
<b>MATURITY GROUP V</b>						
UNISOUTH GENETICS USG 5601T	<b>62.4</b>	<b>54.3</b>	<b>59.1</b>	3.0	45	10/16
~ UNISOUTH GENETICS USG 56379	61.4			3.0	44	frost killed
~ NKXR 5068*	60.9			2.3	49	10/8
~ DELTAGROW 5160 RR**	60.2			2.0	44	10/9
~ SOUTHERN CROSS DAMASCUS 5.0 N, RR	59.6			2.3	44	10/11
UNISOUTH GENETICS USG 5002T	59.2	<b>53.3</b>	<b>57.3</b>	3.0	36	10/10
~ DELTA KING DKXTJ704	<b>58.6</b>			1.8	36	10/8
~ EXCEL BRAND 8520NRR*	57.5			2.3	45	10/15
P ANAND**	57.3	49.8	52.7	2.3	37	10/15
P TEEJAY	57.3	49.9	<b>56.6</b>	2.5	38	10/15
~ UNISOUTH GENETICS USG 75J32**	57.3	49.6	54.3	2.5	42	10/13
~ DELTA KING DK5066**	57.1	49.0		2.0	45	10/8
~ DELTA KING 5368	57.1			4.0	42	10/5
~ UNISOUTH GENETICS USG 75M16	56.9			2.3	45	10/16
~ VIGORO V50N7RS**	56.8			2.0	43	10/10
~ UNISOUTH GENETICS USG ALLEN	56.7			3.5	44	frost killed
~ UNISOUTH GENETICS USG 7515nRS**	56.2			2.3	45	10/10
P JAKE	55.8			2.8	41	10/16
NS K03-3825 (high protein)	55.7			1.5	36	10/5
~ TRISOY 5060RR(CN)*	55.4			2.0	41	10/5
~ SOUTHERN STATES RT 5130N**	55.1	47.9	53.8	3.3	41	10/12
~ EXCEL BRAND 8512NRR*	55.0			2.3	47	10/16
~ SOUTHERN STATES RT 5160N*	54.7			3.3	44	10/15
~ DELTA AND PINE LAND DP 5115 RR/S	53.8			2.0	47	10/11
~ DELTA KING DKXTJ703*	53.8			2.0	48	10/4
~ DELTA KING DK5567*	53.4	45.4	45.4	3.5	38	frost killed
~ DELTA KING DK52K6**	53.3			3.5	42	frost killed
P HUTCHESON	53.2	47.8	50.0	3.0	40	frost killed
~ PIONEER VARIETY 95M30**	53.2			3.3	43	10/16
~ GUTWEIN H-5053RR**	53.1	45.8	<b>56.8</b>	2.5	38	10/7
~ SOUTHERN STATES RT 5540N**	53.0	46.8	53.6	2.8	49	10/9
~ VIGORO V50N5RR**	52.9	47.4	<b>57.7</b>	2.0	41	10/7
~ DELTA KING DK5161**	52.8	47.4	53.2	4.0	38	10/13
~ UNISOUTH GENETICS USG 56293	52.7			3.5	44	frost killed
~ HORNBECK HBK R5226*	52.1			3.8	41	frost killed
~ DELTA KING DK55T6**	52.0	46.1	48.0	4.0	43	frost killed
NS K03-3821 (high protein)	49.0			1.5	36	10/7
~ UNISOUTH GENETICS USG 56124	48.7			3.5	49	frost killed
NS KS1642sp (low linolenic acid)	47.6	42.7		3.8	39	10/11
~ DELTA KING DK5366**	46.1	44.3	43.6	3.8	41	frost killed
NS KS5005sp (large seed, high protein)	44.4	39.3	47.7	2.8	31	10/16
NS KS5003sp (small seeded variety)	43.7	37.4	43.4	3.8	36	10/3
GROUP V AVERAGE	54.6	46.9	52.1	2.8	42	10/11
LSD (0.10)	4.2	2.9	2.8	0.4	2.4	
GRAND MEAN	57.5	46.7	55.9	2.0	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)

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

**TABLE 7. 2006 HANCOCK CO. FULL-SEASON VARIETY TEST<sup>A</sup>.**

BRAND—VARIETY	YIELD (BU/AC) <sup>B</sup>			LODGING
	2006	05-06	04-06	2006
<b>MATURITY GROUP II-III (RELATIVE MG 2.7-3.9)</b>				
~ ASGROW AG3705*	70.4			2.0
~ EBBERTS 1386RR**	70.3			2.0
~ VIGORO V36N5RR**	68.8	68.7		2.0
~ HELENA BRAND SEED 3975**	67.7	65.0		2.0
~ GUTWEIN H-3606RR*	66.7	67.3		2.3
~ VIGORO V38N5RS**	66.7	65.3	65.4	2.0
~ EXCEL BRAND 8396RR/STS	66.3			2.0
~ PIONEER VARIETY 93M90*	65.7	68.5	70.5	1.5
~ ASGROW AG3905*	65.7	69.8	69.5	2.0
~ EBBERTS 1397RR**	65.0			2.0
~ EBBERTS 1365RR**	64.9	67.1	70.9	2.0
~ SOUTHERN STATES RT 3951N*	64.3	62.5		2.0
~ SOUTHERN STATES RT 3760N*	64.2			2.0
~ DEKALB DKB36-52*	63.9	68.5	67.5	2.0
~ STINE 3832-4**	63.9	65.7		2.0
~ SEED CONSULTANTS SC 9386RR**	63.8			2.0
~ SOUTHERN STATES RT 3851N**	63.8	65.4		2.0
~ DYNA-GRO 32C38**	63.1			1.5
~ DELTA AND PINE LAND DPX3994RR*	62.8			2.0
~ DELTA KING DK3968**	62.7	59.5	62.2	1.5
~ SEED CONSULTANTS SC 9396RR**	60.8	67.1		2.0
~ NKXR 3669	60.6			2.0
~ SOUTHERN STATES RT 3860	60.2			1.3
~ DELTA KING DK3967**	59.8	63.8		2.0
~ NK BRAND S37-N4**	59.4	62.9	65.5	2.0
~ DELTA KING DKXTJ39T6	59.3			2.0
NS DIENER SEEDS D293	59.2			2.0
~ STEYER 3630 RR SCN**	59.2			2.0
~ SOUTHERN CROSS STEPHEN 3.8 N, RR*	58.3	62.7	66.3	2.0
~ CROPLAN GENETICS RC 3935 RR**	58.2	65.6		2.0
~ ASGROW AG3906*	57.9	60.8		2.0
~ HORNBECK HBK R3824	57.8			2.3
~ DELTAGROW 3950 RR*	57.8			1.8
NS STEWART SEEDS SIG M40111	57.4			1.3
~ DELTA AND PINE LAND DP 3861 RR*	56.8	63.8	66.2	2.0
~ SEED CONSULTANTS SC 9386A RR*	56.6	62.8		1.8
~ DELTA KING DK3964**	56.3			2.0
~ UNISOUTH GENETICS USG 7393nRR**	55.1	62.4		2.0
~ EBBERTS 1385RR	54.9	57.7	62.5	1.8
~ SOUTHERN CROSS GOSHEN 2.9 N, RR	54.9			2.0
~ SEED CONSULTANTS SC 9387RR*	54.3			1.0
~ HELENA BRAND SEED 3676**	53.4	58.4		2.0
~ PIONEER VARIETY 93M42**	52.1			1.8
~ CYST TECH RR0031CTA	50.1			2.0
NS STEWART SEEDS SIG M40619	49.4			1.8
P IA 3023	48.5	58.4	58.8	2.0
NS IA3022 (large seed, high protein)	47.6	50.6	50.2	2.0
NS DIENER SEEDS D300	45.4			1.8
~ LG C2777NRR	45.2			2.5
~ SOUTHERN STATES RT 2800	42.4			2.0
NS IA3027 (large seed, high protein)	33.7			2.0
NS IA3006PR (high protein, phytophthora resistance)	32.5	40.2		2.0
NS IA3021 (large seed, high protein)	26.4	34.7	41.1	1.3
GROUP III AVERAGE	57.6	61.7	62.8	1.9
LSD (0.10)	7.2	4.5	3.9	0.3

**TABLE 7. 2006 HANCOCK CO. FULL-SEASON VARIETY TEST<sup>A</sup>.**

BRAND—VARIETY	YIELD (BU/AC) <sup>B</sup>			LODGING
	2006	05-06	04-06	2006
<b>MATURITY GROUP EARLY IV (RELATIVE MG 4.0-4.5)</b>				
~ ASGROW AG4103*	72.1			2.0
~ GREAT LAKES GL 4129RR**	70.0			2.0
~ SOUTHERN STATES RT 4440N**	69.1	66.5	63.4	2.0
~ HELENA BRAND SEED 4375**	67.9	70.0	75.4	1.8
~ DELTAGROW 4150 RR*	67.2			2.0
~ GUTWEIN H-4534RR**	66.6	65.7		2.0
~ VIGORO V42N7RS**	65.5			2.0
~ PIONEER VARIETY 94M50*	65.3	68.1		1.8
~ PIONEER VARIETY 94M31*	65.0			2.0
~ DEKALB DKB42-51*	64.8			1.8
~ DELTA KING DKXTJ744	64.7			2.0
NS DIENER SEEDS D400S	64.7			2.0
~ CAVERNDALE CF 422 RR/STSn**	64.0			2.0
~ ADLER SEEDS 432RRN*	63.4			2.3
~ VIGORO V44N6RR**	63.2	64.5		2.5
~ SEED CONSULTANTS SC 9456RR**	63.2	64.7		2.3
~ CROW'S C4444R**	63.0			2.0
BECK 422NRR**	62.7			2.0
~ DYNA-GRO DG3443NRR**	62.0	66.0	70.8	2.0
~ CROPLAN GENETICS RC 4455 RR**	61.5	63.5		2.0
~ PIONEER VARIETY 94M30*	60.9	60.2		2.0
~ SOUTHERN CROSS MOAB 4.5 N, RR**	60.8	63.8		2.3
~ STINE 4402-4**	60.8			1.5
~ CROPLAN GENETICS RC 4095 RR*	60.6			2.0
~ ASGROW AG4404*	60.1	64.6		2.0
~ SEED CONSULTANTS SC 9406RR*	59.6	61.6		2.0
~ BECK 444NRR**	59.5	67.5		2.3
~ ASGROW AG4403*	59.2	64.9	69.0	2.0
~ SOUTHERN STATES RT 4551N	59.1	68.7		2.0
~ SOUTHERN CROSS MICHAEL 4.2 N, RR, STS**	58.9	57.9	64.0	1.8
~ DELTA AND PINE LAND DP 4331 RR*	57.6	65.6	69.9	1.8
~ SOUTHERN STATES RT 4451N**	57.0	65.4		2.5
~ DELTAGROW 4460 RR**	56.7			2.5
~ VIGORO V42N3RR**	56.6	60.2	68.1	1.5
~ CYST TECH RREX40CTA	56.4			2.0
~ STEYER 4420 RR SCN**	56.3			2.3
~ NK BRAND S43-B1**	55.8	61.9	65.4	2.0
~ DYNA-GRO 37A44**	55.4	62.6		2.0
~ GREAT LAKES GL 4419RR**	55.4			2.3
~ EXCEL BRAND 8450NRR*	55.2			2.3
~ SEED CONSULTANTS SC 9436RR*	54.6	57.1		2.0
~ SEED CONSULTANTS SC 9442RR**	53.5			2.0
~ SOUTHERN STATES RT 4151N**	51.1	58.9		1.8
~ SEED CONSULTANTS SC 9415RR**	49.3	55.9	64.8	1.5
~ DELTA AND PINE LAND DP 4112 RR/S	47.5			2.0
~ EXCEL BRAND 8427NRR/STS	47.3	62.9		2.0
~ DELTA AND PINE LAND DP 4546 RR	47.1			2.0
NS IA4003 (large seed, high protein)	45.2	47.7		2.0
EARLY GROUP IV AVERAGE	59.6	62.9	67.9	2.0
LSD (0.10)	6.3	4.5	4.2	0.2

**TABLE 7. 2006 HANCOCK CO. FULL-SEASON VARIETY TEST<sup>A</sup>.**

BRAND—VARIETY	YIELD (BU/AC) <sup>B</sup>			LODGING 2006
	2006	05-06	04-06	
<b>MATURITY GROUP LATE IV (RELATIVE MG 4.6-4.9)</b>				
~ GREAT LAKES GL 4709RR**	71.0			1.5
~ SOUTHERN STATES RT 4777N**	69.5			2.3
~ DELTA KING DK4967**	69.3	67.3	73.2	2.3
~ SOUTHERN CROSS ELI 4.7 N, STS, RR	69.3			2.0
~ ASGROW AG4703	68.4	70.1		1.8
~ DELTA AND PINE LAND DP 4724 RR*	68.0	68.0		2.0
~ PIONEER VARIETY 94B73	66.7	67.2	70.8	2.0
~ STEYER 4700 RR SCN**	66.2	67.9	70.9	2.0
~ UNISOUTH GENETICS USG 74A76**	66.0			3.3
~ CROW'S C4815R**	66.0	65.6	66.7	2.0
~ EXCEL BRAND 8447NRR*	65.5			2.0
~ NKXR 4967**	64.9			2.5
~ DEKALB DKB46-51**	64.7	64.7	67.2	2.5
~ DELTA KING DK4763*	64.3	69.7	71.8	2.0
~ CROPLAN GENETICS RC 4955 RR*	64.2	64.0		2.3
~ SOUTHERN STATES RT 4996N**	64.0			2.5
~ DELTA KING DK4968	63.8			2.3
~ CROW'S C4817R**	63.7			2.0
~ NKXR 4669**	63.6			2.0
~ DELTAGROW 4860 RR**	63.1			2.0
~ STINE 4782-4	62.9			2.0
~ ASGROW AG4801*	62.7	66.2	69.6	1.8
~ DELTA KING DK4764**	62.5	64.3		2.3
~ SOUTHERN STATES RT 4808N**	62.3	63.1		2.0
~ SOUTHERN STATES RT 4760N**	62.1			2.8
~ ASGROW AG4903	62.0	66.9		2.0
~ VIGORO V49N6RR**	61.5	64.8		2.5
~ CAVERNDAL CF 482 RRn*	61.0			2.0
~ DELTA AND PINE LAND DP 4919 RR/S	61.0			2.3
~ DELTAGROW 4970 RR**	61.0			2.3
~ EXCEL BRAND 8481NRR*	61.0			2.0
~ CROPLAN GENETICS RC 4842 RR**	60.4	63.0	68.5	2.0
~ NK BRAND S49-Q9**	60.1	66.2	67.6	2.0
~ DELTA KING DK4866*	59.8	59.9	66.0	2.3
~ SCHILLINGER SEED 495 RC*	59.4	64.7		2.5
~ DELTA KING DK4461	59.3	64.1	70.9	2.0
~ HORNBECK HBK R4724	59.0	63.7		2.0
~ SEED CONSULTANTS SC 9466RR**	58.2			2.0
~ DYNA-GRO 38T47**	58.1			2.3
~ HORNBECK HBK R4924**	57.7			2.8
~ SOUTHERN STATES RT 4981N**	57.7	58.9		2.5
~ STEYER 4600 RR SCN**	57.7			2.3
~ GUTWEIN H-4878RR**	57.6	62.2		2.3
~ EXCEL BRAND 8493NRR*	57.4	61.5		2.3
~ SOUTHERN CROSS DAN 4.8 N, RR**	57.3	60.7		3.0
~ DELTA KING DK4667**	57.1	61.6		3.3
~ UNISOUTH GENETICS USG 7484nRR**	57.1	65.0	67.1	2.3
~ UNISOUTH GENETICS USG 7494nRR**	56.6	63.6	70.5	3.0
~ TRISOY 4858RR(CN)*	55.5	61.0		2.0
~ DELTA KING DKXTJ750	55.3			2.0
~ SOUTHERN STATES RT 4651N**	55.0	56.1		2.0
~ PIONEER VARIETY 94M80*	54.8	57.5		2.0
~ DELTAGROW 4840 RR**	54.3	60.7	64.3	3.0
~ CROPLAN GENETICS RC 4655 RR*	53.5	58.4		2.0
~ HELENA BRAND SEED 4875**	52.8	62.5	65.9	2.3
~ DYNA-GRO 35Z49**	52.6	59.6		2.3
~ ADLER SEEDS 492RRN*	51.8			2.0
LATE GROUP IV AVERAGE	61.0	63.5	68.7	2.2
LSD (0.10)	6.08	4.44	4.13	0.32



**TABLE 7. 2006 HANCOCK CO. FULL-SEASON VARIETY TEST<sup>A</sup>.**

BRAND—VARIETY	YIELD (BU/AC) <sup>B</sup>			LODGING 2006
	2006	05-06	04-06	
<b>MATURITY GROUP V</b>				
~ VIGORO V50N5RR**	<b>67.4</b>	<b>68.4</b>	<b>72.0</b>	3.0
~ DELTA KING DKXTJ703*	65.5			2.5
~ SOUTHERN CROSS DAMASCUS 5.0 N, RR	64.7			2.8
~ VIGORO V50N7RS**	63.4			2.5
~ SOUTHERN STATES RT 5160N*	62.7			3.3
~ DELTAGROW 5160 RR**	61.0			2.3
~ DELTA KING DK5161**	60.9	59.9	60.7	4.3
~ UNISOUTH GENETICS USG 75J32**	<b>60.6</b>	<b>65.3</b>	65.7	2.5
~ UNISOUTH GENETICS USG 56124	60.0			2.5
~ UNISOUTH GENETICS USG 7515nRS**	59.4			2.8
P ANAND**	59.1	61.7	64.1	2.8
~ UNISOUTH GENETICS USG ALLEN	59.0			2.5
~ EXCEL BRAND 8520NRR*	58.8			2.8
~ DELTA KING DK52K6**	58.6			2.8
P JAKE	58.6			2.5
~ DELTA KING DKXTJ704	58.4			2.0
~ DELTA KING DK5066**	58.1	<b>65.9</b>		2.3
~ DELTA KING DK5567*	58.1	<b>66.9</b>	66.9	2.8
~ UNISOUTH GENETICS USG 75M16	58.1			2.8
UNISOUTH GENETICS USG 5002T	58.0	<b>68.0</b>	<b>72.1</b>	2.5
~ HORNBECK HBK R5226*	57.5			3.8
~ UNISOUTH GENETICS USG 56293	57.5			3.0
~ UNISOUTH GENETICS USG 56379	56.8			2.0
~ TRISOY 5060RR(CN)*	56.2			2.5
~ EXCEL BRAND 8512NRR*	56.0			2.5
~ DELTA KING 5368	55.0			3.8
~ GUTWEIN H-5053RR**	55.0	<b>64.4</b>	<b>68.6</b>	3.0
~ SOUTHERN STATES RT 5540N**	55.0	57.9	63.0	3.0
UNISOUTH GENETICS USG 5601T	54.2	<b>64.1</b>	<b>68.6</b>	2.5
P HUTCHESON	54.1	<b>64.2</b>	66.8	2.0
NS K03-3821 (high protein)	54.0			2.0
~ DELTA KING DK5366**	53.0	58.8	60.7	4.0
P TEEJAY	52.5	<b>65.4</b>	66.2	2.0
~ DELTA KING DK55T6**	52.2	62.7	60.7	3.0
NS K03-3825 (high protein)	51.4			2.0
~ NKXR 5068*	51.3			2.0
NS KS5003sp (small seeded variety)	49.5	49.6	47.6	4.0
~ DELTA AND PINE LAND DP 5115 RR/S	49.3			2.0
~ SOUTHERN STATES RT 5130N**	49.1	59.2	58.8	3.0
~ PIONEER VARIETY 95M30**	47.9			3.3
NS KS5005sp (large seed, high protein)	46.7	52.6	56.7	1.8
NS KS1642sp (low linolenic acid)	42.0	44.4		2.3
GROUP V AVERAGE	56.3	61.1	63.7	2.7
LSD (0.10)	6.9	4.9	4.0	0.5
GRAND MEAN	58.8	62.5	65.6	2.2

~ Roundup Ready variety

P Entries with a P prefix are public varieties.

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

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

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

<sup>A</sup> 2005 and 2004 data are from Henderson County, and the 2006 data are from Hancock County.

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

**TABLE 8. 2006 MARSHALL CO. FULL-SEASON VARIETY TEST.**

BRAND — VARIETY	YIELD (BU/AC) <sup>A</sup>			LOGGING
	2006	05-06	04-06	2006
<b>MATURITY GROUP II-III (RELATIVE MG 2.7-3.9)</b>				
~ ASGROW AG3705*	63.4			1.8
~ DEKALB DKB36-52*	61.7	59.3	59.9	1.8
~ SEED CONSULTANTS SC 9387RR*	61.3			2.0
~ ASGROW AG3906*	61.2	67.7		2.5
NS STEWART SEEDS SIG M40111	58.7			2.0
~ SOUTHERN STATES RT 3760N*	58.5			2.0
~ SOUTHERN CROSS STEPHEN 3.8 N, RR*	58.1	61.4	63.1	1.5
~ SOUTHERN STATES RT 3860	57.9			2.3
~ ASGROW AG3905*	57.1	59.5	61.0	2.3
~ SEED CONSULTANTS SC 9386A RR*	56.9	61.0		2.8
~ PIONEER VARIETY 93M90*	56.2	57.0	60.8	2.0
~ SOUTHERN STATES RT 3951N*	56.1	57.9		2.5
NS DIENER SEEDS D300	55.7			1.3
~ EBBERTS 1386RR**	55.0			2.0
~ UNISOUTH GENETICS USG 7393nRR**	54.5	62.3		1.8
~ VIGORO V36N5RR**	54.4	59.9		2.8
NS DIENER SEEDS D293	54.3			2.0
~ PIONEER VARIETY 93M42**	53.8			2.0
~ EXCEL BRAND 8396RR/STS	53.7			2.5
~ EBBERTS 1385RR	53.5	60.2	62.5	2.8
~ DELTA KING DK3964**	53.5			2.8
~ SEED CONSULTANTS SC 9386RR**	53.3			2.3
~ STINE 3832-4**	52.7	53.4		2.8
~ VIGORO V38N5RS**	52.7	59.4	63.2	2.0
~ SEED CONSULTANTS SC 9396RR**	52.3	55.1		2.0
~ CYST TECH RR0031CTA	52.3			2.0
NS STEWART SEEDS SIG M40619	51.8			2.5
~ SOUTHERN CROSS GOSHEN 2.9 N, RR	50.7			2.0
~ NKXR 3669	50.2			2.0
~ HELENA BRAND SEED 3975**	50.1	55.8		2.3
~ STEYER 3630 RR SCN**	50.1			1.5
~ DELTAGROW 3950 RR*	49.8			2.5
~ EBBERTS 1397RR**	49.7			2.8
~ DELTA AND PINE LAND DPX3994RR*	49.6			2.8
P IA 3023	49.6	41.4	47.8	1.5
~ EBBERTS 1365RR**	48.3	56.1	59.2	3.0
~ HELENA BRAND SEED 3676**	48.3	54.4		2.3
~ HORNBECK HBK R3824	48.2			2.3
~ SOUTHERN STATES RT 3851N**	48.1	55.5		2.0
~ NK BRAND S37-N4**	48.1	51.9	56.0	2.5
~ GUTWEIN H-3606RR*	47.9	48.0		2.3
~ DELTA KING DK3968**	47.4	57.1	62.1	1.5
~ CROPLAN GENETICS RC 3935 RR**	47.4	49.8		2.3
NS IA3022 (large seed, high protein)	47.3	53.0	51.5	3.0
~ DELTA KING DKXTJ39T6	47.3			1.8
~ DELTA AND PINE LAND DP 3861 RR*	46.9	50.3	55.6	2.3
~ SOUTHERN STATES RT 2800	45.0			2.5
~ DYNA-GRO 32C38**	43.7			1.0
NS IA3021 (large seed, high protein)	43.2	38.8	43.1	1.8
~ DELTA KING DK3967**	42.9	50.6		2.5
NS IA3027 (large seed, high protein)	41.2			2.5
~ LG C2777NRR	40.7			3.0
NS IA3006PR (high protein, phytophthora resistance)	39.4	36.3		2.0
GROUP III AVERAGE	51.5	54.6	57.4	2.2
LSD (0.10)	6.1	4.8	3.9	0.5

**TABLE 8. 2006 MARSHALL CO. FULL-SEASON VARIETY TEST.**

BRAND — VARIETY	YIELD (BU/AC) <sup>A</sup>			LODGING
	2006	05-06	04-06	2006
<b>MATURITY GROUP EARLY IV (RELATIVE MG 4.0-4.5)</b>				
~ STINE 4402-4**	68.1			2.0
~ GUTWEIN H-4534RR**	65.3	67.8		2.0
~ DELTA AND PINE LAND DP 4331 RR*	63.9	67.3	70.5	2.0
~ ASGROW AG4404*	63.4	67.8		2.3
~ EXCEL BRAND 8427NRR/STS	62.8	60.6		1.3
~ CAVERNDAL CF 422 RR/STSn**	61.5			1.8
~ DEKALB DKB42-51*	61.4			2.0
BECK 422NRR**	61.4			1.8
~ GREAT LAKES GL 4129RR**	61.1			2.3
~ DELTAGROW 4150 RR*	60.6			2.3
~ SEED CONSULTANTS SC 9442RR**	60.6			2.3
~ VIGORO V42N3RR**	60.1	58.1	64.6	1.5
~ DELTAGROW 4460 RR**	59.9			2.8
~ PIONEER VARIETY 94M30*	59.9	61.1		2.5
~ HELENA BRAND SEED 4375**	59.8	61.2	67.2	1.5
~ EXCEL BRAND 8450NRR*	59.3			2.0
~ PIONEER VARIETY 94M50*	59.2	61.9		2.0
~ PIONEER VARIETY 94M31*	59.1			2.3
~ GREAT LAKES GL 4419RR**	58.7			2.8
~ NK BRAND S43-B1**	58.6	61.2	62.7	2.0
~ BECK 444NRR**	58.5	62.3		2.8
~ ASGROW AG4103*	58.3			2.0
~ ADLER SEEDS 432RRN*	58.2			2.0
~ CROPLAN GENETICS RC 4455 RR**	58.2	61.0		2.3
~ SOUTHERN CROSS MICHAEL 4.2 N, RR, STS**	57.8	58.0	64.0	1.5
~ DYNA-GRO DG3443NRR**	57.4	64.6	68.7	2.0
~ SOUTHERN STATES RT 4451N**	56.6	61.7		2.5
~ SEED CONSULTANTS SC 9436RR*	56.2	59.0		2.0
~ VIGORO V44N6RR**	56.2	59.1		2.8
~ SOUTHERN STATES RT 4551N	56.1	61.0		2.0
~ VIGORO V42N7RS**	56.1			1.5
~ DELTA KING DKXTJ744	55.6			2.0
~ DELTA AND PINE LAND DP 4112 RR/S	54.9			2.3
~ SEED CONSULTANTS SC 9456RR**	54.3	57.3		2.5
~ SOUTHERN STATES RT 4151N**	54.2	59.5		2.0
~ SEED CONSULTANTS SC 9415RR**	54.1	56.1	63.2	1.0
~ SOUTHERN CROSS MOAB 4.5 N, RR**	54.0	57.4		2.5
~ CROW'S C4444R**	53.9			2.3
NS DIENER SEEDS D400S	53.8			2.5
~ ASGROW AG4403*	53.7	59.1	62.1	2.0
~ DELTA AND PINE LAND DP 4546 RR	53.1			2.8
~ CYST TECH RREX40CTA	52.5			2.0
~ SOUTHERN STATES RT 4440N**	52.5	62.2	60.6	2.0
NS IA4003 (large seed, high protein)	50.8	49.1		2.0
~ SEED CONSULTANTS SC 9406RR*	50.8	54.1		2.0
~ CROPLAN GENETICS RC 4095 RR*	50.3			2.0
~ DYNA-GRO 37A44**	50.2	57.4		2.5
~ STEYER 4420 RR SCN**	49.9			2.5
EARLY GROUP IV AVERAGE	57.3	60.2	64.8	2.1
LSD (0.10)	6.5	5.1	3.9	0.3

**TABLE 8. 2006 MARSHALL CO. FULL-SEASON VARIETY TEST.**

BRAND — VARIETY	YIELD (BU/AC) <sup>A</sup>			LODGING
	2006	05-06	04-06	2006
<b>MATURITY GROUP LATE IV (RELATIVE MG 4.6-4.9)</b>				
~ NKXR 4669**	67.9			2.8
~ NKXR 4967**	67.9			2.8
~ GUTWEIN H-4878RR**	66.4	64.4		3.5
~ STINE 4782-4	66.0			1.5
~ STEYER 4700 RR SCN**	65.7	70.9	69.1	2.8
~ NK BRAND S49-Q9**	64.8	65.7	67.2	2.8
~ SOUTHERN STATES RT 4760N**	64.7			2.8
~ GREAT LAKES GL 4709RR**	63.9			2.5
~ SOUTHERN STATES RT 4996N**	63.8			3.0
~ PIONEER VARIETY 94M80*	63.7	60.6		3.0
~ CAVERNDALE CF 482 RRn*	63.6			3.0
~ SOUTHERN CROSS ELI 4.7 N, STS, RR	62.9			1.5
~ DELTAGROW 4860 RR**	62.0			3.0
~ DELTA KING DK4667**	61.8	64.9		3.5
~ SOUTHERN STATES RT 4777N**	61.5			3.8
~ EXCEL BRAND 8447NRR*	61.4			2.8
~ DELTA KING DK4461	61.0	62.4	68.0	2.5
~ VIGORO V49N6RR**	60.8	65.7		3.5
~ SOUTHERN CROSS DAN 4.8 N, RR**	60.7	65.4		3.0
~ DELTA AND PINE LAND DP 4919 RR/S	60.3			3.0
~ UNISOUTH GENETICS USG 74A76**	60.3			2.8
~ UNISOUTH GENETICS USG 7494nRR**	60.2	64.0	67.8	3.0
~ CROW'S C4817R**	59.9			3.5
~ HORNBECK HBK R4724	59.9	64.0		3.0
~ SEED CONSULTANTS SC 9466RR**	59.2			3.0
~ SOUTHERN STATES RT 4808N**	59.2	67.9		3.0
~ ASGROW AG4801*	59.1	67.9	67.8	2.5
~ SOUTHERN STATES RT 4651N**	59.1	59.5		2.5
~ ASGROW AG4703	58.9	61.9		2.5
~ EXCEL BRAND 8481NRR*	58.7			3.0
~ SCHILLINGER SEED 495 RC*	58.5	61.1		3.5
~ DELTAGROW 4970 RR**	58.1			3.5
~ DELTA KING DKXTJ750	57.7			3.5
~ DELTA AND PINE LAND DP 4724 RR*	57.1	62.9		3.3
~ TRISOY 4858RR(CN)*	57.1	63.6		2.8
~ ASGROW AG4903	57.0	62.2		3.0
~ CROPLAN GENETICS RC 4655 RR*	56.9	57.7		2.3
~ EXCEL BRAND 8493NRR*	56.4	61.3		3.0
~ UNISOUTH GENETICS USG 7484nRR**	56.2	61.5	65.6	3.0
~ ADLER SEEDS 492RRN*	56.2			3.0
~ CROPLAN GENETICS RC 4842 RR**	56.0	59.9	63.6	3.0
~ DELTA KING DK4866*	56.0	62.2	66.0	3.0
~ HELENA BRAND SEED 4875**	55.8	61.9	66.7	3.0
~ DEKALB DKB46-51**	55.4	60.6	65.3	3.0
~ SOUTHERN STATES RT 4981N**	55.2	64.9		3.0
~ STEYER 4600 RR SCN**	55.2			3.0
~ DYNA-GRO 38T47**	54.8			3.0
~ DELTA KING DK4968	54.7			4.0
~ DELTA KING DK4764**	54.4	61.2		3.5
~ HORNBECK HBK R4924**	54.4			3.3
~ PIONEER VARIETY 94B73	54.4	60.8	64.8	3.3
~ CROPLAN GENETICS RC 4955 RR*	52.5	59.7		3.3
~ DELTA KING DK4967**	52.0	63.0	67.3	3.3
~ CROW'S C4815R**	52.0	56.5	60.6	2.8
~ DYNA-GRO 35Z49**	51.5	59.0		3.0
~ DELTA KING DK4763*	49.4	57.0	62.1	3.0
~ DELTAGROW 4840 RR**	48.6	55.1	59.4	3.3
LATE GROUP IV AVERAGE	58.7	62.3	65.4	3.0
LSD (0.10)	6.0	4.9	3.8	0.4

**TABLE 8. 2006 MARSHALL CO. FULL-SEASON VARIETY TEST.**

BRAND — VARIETY	YIELD (BU/AC) <sup>A</sup>			LODGING
	2006	05-06	04-06	2006
<b>MATURITY GROUP V</b>				
P ANAND**	<b>65.6</b>	64.9	61.5	2.8
~ UNISOUTH GENETICS USG 56379	64.2			3.3
UNISOUTH GENETICS USG 5601T	64.0	66.2	<b>68.2</b>	3.3
~ UNISOUTH GENETICS USG ALLEN	63.8			3.0
UNISOUTH GENETICS USG 5002T	63.2	<b>67.0</b>	67.7	3.0
~ NKXR 5068*	62.6			2.5
~ EXCEL BRAND 8512NRR*	61.8			2.8
~ DELTA KING DK52K6**	61.5			3.3
~ DELTA KING DK5066**	61.4	66.7		3.0
~ UNISOUTH GENETICS USG 75J32**	61.3	65.8	65.1	2.5
~ UNISOUTH GENETICS USG 56293	61.2			4.0
~ DELTAGROW 5160 RR**	61.1			3.0
P TEEJAY	60.1	58.7	61.4	2.8
~ UNISOUTH GENETICS USG 75M16	59.2			3.0
~ SOUTHERN CROSS DAMASCUS 5.0 N, RR	59.0			3.0
~ EXCEL BRAND 8520NRR*	58.6			2.8
P JAKE	58.5			3.0
~ PIONEER VARIETY 95M30**	58.4			3.3
~ UNISOUTH GENETICS USG 7515nRS**	58.2			3.0
~ SOUTHERN STATES RT 5540N**	58.1	62.4	60.7	2.8
~ UNISOUTH GENETICS USG 56124	57.9			3.5
~ DELTA KING DK55T6**	57.9	62.5	59.0	4.0
~ DELTA KING 5368	57.2			4.0
~ DELTA KING DK5366**	56.9	64.7	61.7	3.5
~ DELTA KING DK5161**	56.5	59.6	60.5	3.8
~ VIGORO V50N7RS**	56.4			3.0
P HUTCHESON	55.7	63.0	59.2	3.3
NS KS5005sp (large seed, high protein)	55.6	59.7	57.1	4.0
~ VIGORO V50N5RR**	55.2	61.1	58.3	3.0
~ SOUTHERN STATES RT 5160N*	55.1			3.0
~ TRISOY 5060RR(CN)*	54.4			3.3
NS K03-3825 (high protein)	54.4			2.8
~ DELTA KING DK5567*	54.0	63.3	63.3	4.0
~ DELTA AND PINE LAND DP 5115 RR/S	53.9			3.0
~ SOUTHERN STATES RT 5130N**	53.6	60.4	55.6	3.3
~ HORNBECK HBK R5226*	52.5			3.8
NS K03-3821 (high protein)	52.3			3.3
~ DELTA KING DKXTJ704	52.0			4.0
~ GUTWEIN H-5053RR**	50.4	56.9	59.9	3.3
NS KS1642sp (low linolenic acid)	50.2	54.0		4.5
~ DELTA KING DKXTJ703*	47.8			3.5
NS KS5003sp (small seeded variety)	46.7	51.1	46.9	3.5
GROUP V AVERAGE	57.3	61.5	60.4	3.3
LSD (0.10)	5.4	4.5	3.5	0.6
GRAND MEAN	56.2	59.7	61.8	2.6

~ 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)

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

**TABLE 9. 2006 WARREN CO. FULL-SEASON VARIETY TEST<sup>A</sup>.**

BRAND — VARIETY	YIELD (BU/AC) <sup>B</sup>			LODGING
	2006	05-06	04-06	2006
<b>MATURITY GROUP II-III (RELATIVE MG 2.7-3.9)</b>				
~ ASGROW AG3905*	64.4	58.1	59.4	1.0
~ EXCEL BRAND 8396RR/STS	61.6			1.8
~ SEED CONSULTANTS SC 9386RR**	60.2			1.8
~ ASGROW AG3705*	59.2			1.0
~ ASGROW AG3906*	59.2	55.7		1.3
~ DEKALB DKB36-52*	59.2	48.4	52.8	1.0
~ HELENA BRAND SEED 3975**	59.1	53.6		1.0
~ EBBERTS 1386RR**	58.9			1.8
~ NK BRAND S37-N4**	58.5	52.0	53.4	2.0
NS STEWART SEEDS SIG M40111	58.2			1.3
~ EBBERTS 1397RR**	58.1			2.0
~ DELTA AND PINE LAND DP 3861 RR*	57.8	51.2	52.3	1.3
~ DELTA KING DK3968**	57.3	50.7	55.5	1.3
~ SOUTHERN CROSS STEPHEN 3.8 N, RR*	57.1	54.3	56.3	1.0
~ SEED CONSULTANTS SC 9396RR**	57.1	48.3		1.0
~ EBBERTS 1385RR	56.7	49.1	55.1	1.5
~ DELTAGROW 3950 RR*	56.3			1.5
~ SOUTHERN STATES RT 3860	56.1			1.0
~ SEED CONSULTANTS SC 9387RR*	55.6			1.0
~ GUTWEIN H-3606RR*	55.3	48.6		1.8
~ SOUTHERN STATES RT 3851N**	54.3	48.5		1.3
~ DELTA AND PINE LAND DPX3994RR*	54.2			1.0
~ PIONEER VARIETY 93M90*	54.0	51.0	55.6	1.0
~ HELENA BRAND SEED 3676**	53.9	43.9		1.8
~ HORNBECK HBK R3824	53.8			2.3
~ STEYER 3630 RR SCN**	53.8			1.0
NS DIENER SEEDS D300	53.4			1.3
~ VIGORO V38N5R5**	53.3	45.9	54.1	1.3
~ UNISOUTH GENETICS USG 7393nRR**	53.2	51.7		1.0
~ DELTA KING DK3964**	53.0			2.0
~ DELTA KING DKXTJ39T6	52.8			1.3
~ DYNA-GRO 32C38**	52.8			1.3
~ NKXR 3669	52.5			1.3
~ STINE 3832-4**	52.1	48.5		1.5
~ DELTA KING DK3967**	51.7	41.8		1.8
NS STEWART SEEDS SIG M40619	51.6			2.0
~ SEED CONSULTANTS SC 9386A RR*	51.1	43.3		1.3
~ CROPLAN GENETICS RC 3935 RR**	51.0	41.9		1.3
~ EBBERTS 1365RR**	51.0	43.9	52.0	2.0
~ VIGORO V36N5RR**	50.8	42.5		2.0
~ CYST TECH RR0031CTA	50.6			1.5
~ SOUTHERN STATES RT 3760N*	50.2			1.0
~ SOUTHERN STATES RT 3951N*	49.6	40.1		1.5
~ PIONEER VARIETY 93M42**	48.5			1.3
NS DIENER SEEDS D293	47.8			1.3
~ SOUTHERN CROSS GOSHEN 2.9 N, RR	46.0			1.3
NS IA3022 (large seed, high protein)	44.0	33.0	39.4	2.5
P IA 3023	42.4	32.4	41.6	1.8
~ SOUTHERN STATES RT 2800	41.2			1.5
NS IA3006PR (high protein, phytophthora resistance)	39.8	29.9		2.0
~ LG C2777NRR	38.1			2.5
NS IA3021 (large seed, high protein)	37.6	32.4	37.1	2.3
NS IA3027 (large seed, high protein)	22.8			1.5
GROUP III AVERAGE	52.4	45.9	51.1	1.5
LSD (0.10)	4.7	3.2	2.8	0.4

**TABLE 9. 2006 WARREN CO. FULL-SEASON VARIETY TEST<sup>A</sup>.**

BRAND — VARIETY	YIELD (BU/AC) <sup>B</sup>			LOGGING
	2006	05-06	04-06	2006
<b>MATURITY GROUP EARLY IV (RELATIVE MG 4.0-4.5)</b>				
~ SOUTHERN STATES RT 4551N	63.7	64.9		1.8
~ EXCEL BRAND 8427NRR/STS	63.4	58.9		1.0
~ STINE 4402-4**	62.8			1.0
~ EXCEL BRAND 8450NRR*	62.6			1.3
~ ASGROW AG4403*	62.2	60.8	62.6	1.3
~ ADLER SEEDS 432RRN*	61.4			1.3
~ CAVERNDALE CF 422 RR/STSn**	61.1			1.0
~ SEED CONSULTANTS SC 9456RR**	60.6	62.0		1.5
~ VIGORO V42N7RS**	60.3			1.0
~ SOUTHERN CROSS MOAB 4.5 N, RR**	59.5	58.1		1.3
~ GREAT LAKES GL 4419RR**	59.2			1.0
~ PIONEER VARIETY 94M30*	59.2	55.0	60.3	1.3
~ SOUTHERN STATES RT 4440N**	59.0	57.1		1.0
BECK 422NRR**	58.8			1.0
~ HELENA BRAND SEED 4375**	58.8	56.4		1.0
~ SOUTHERN STATES RT 4451N**	58.6	63.5		1.0
~ GUTWEIN H-4534RR**	58.4	57.1		1.5
~ SOUTHERN CROSS MICHAEL 4.2 N, RR, STS**	58.4	57.6	64.3	1.0
~ STEYER 4420 RR SCN**	58.2			1.5
~ ASGROW AG4404*	57.9	52.1		1.3
~ DELTA KING DKXTJ744	57.9			1.0
~ SEED CONSULTANTS SC 9442RR**	57.8			1.3
~ GREAT LAKES GL 4129RR**	57.1			1.0
~ DELTAGROW 4150 RR*	57.0			1.0
~ DYNA-GRO DG3443NRR**	57.0	56.7	61.5	1.0
~ CROPLAN GENETICS RC 4455 RR**	56.9	58.9		1.3
~ VIGORO V42N3RR**	56.7	54.0	61.3	1.0
~ NK BRAND S43-B1**	56.6	55.9	62.7	1.0
~ PIONEER VARIETY 94M50*	56.5	55.7		1.5
~ CROW'S C4444R**	56.4			1.3
~ DYNA-GRO 37A44**	56.2	60.0		1.8
~ DELTAGROW 4460 RR**	56.0			1.3
~ PIONEER VARIETY 94M31*	55.9			1.0
~ SOUTHERN STATES RT 4151N**	55.1	57.9		1.0
~ BECK 444NRR**	55.0	54.2		1.0
NS DIENER SEEDS D400S	54.9			1.3
~ DELTA AND PINE LAND DP 4331 RR*	54.8	55.0		1.0
~ SEED CONSULTANTS SC 9436RR*	54.2	56.5		1.0
~ DELTA AND PINE LAND DP 4546 RR	54.1			2.0
~ SEED CONSULTANTS SC 9406RR*	53.7	45.8		1.3
~ CYST TECH RREX40CTA	53.1			1.0
~ VIGORO V44N6RR**	53.1	58.4		1.0
~ CROPLAN GENETICS RC 4095 RR*	52.2			1.0
~ SEED CONSULTANTS SC 9415RR**	51.5	52.9		1.0
~ ASGROW AG4103*	51.3			1.0
~ DEKALB DKB42-51*	51.0			1.0
~ DELTA AND PINE LAND DP 4112 RR/S	48.6			1.8
NS IA4003 (large seed, high protein)	39.9	35.8		1.5
EARLY GROUP IV AVERAGE	56.7	56.2	62.1	1.2
LSD (0.10)	5.4	3.7	3.5	0.3

**TABLE 9. 2006 WARREN CO. FULL-SEASON VARIETY TEST<sup>A</sup>.**

BRAND — VARIETY	YIELD (BU/AC) <sup>B</sup>			LODGING
	2006	05-06	04-06	2006
<b>MATURITY GROUP LATE IV (RELATIVE MG 4.6-4.9)</b>				
~ TRISOY 4858RR(CN)*	69.4	65.9		1.5
~ STINE 4782-4	68.3			1.0
~ NK BRAND S49-Q9**	63.4	64.7	62.5	1.3
~ SOUTHERN CROSS ELI 4.7 N, STS, RR	62.4			1.0
~ ADLER SEEDS 492RRN*	61.1			1.3
~ DELTAGROW 4840 RR**	60.2	57.3	58.8	1.8
~ DELTAGROW 4970 RR**	60.0			2.0
~ DELTA KING DK4461	59.8	61.0	61.6	1.0
~ NKXR 4669**	59.4			1.0
~ CROPLAN GENETICS RC 4955 RR*	58.9	57.8		1.3
~ EXCEL BRAND 8447NRR*	58.8			1.0
~ SCHILLINGER SEED 495 RC*	58.5	58.5		1.3
~ SOUTHERN STATES RT 4981N**	58.3	58.1		1.0
~ HORNBECK HBK R4924**	58.0			1.3
~ DELTA KING DK4866*	57.9	58.5	60.2	1.0
~ GUTWEIN H-4878RR**	57.8	60.1		1.8
~ DELTA KING DK4764**	57.3	59.9		1.0
~ STEYER 4700 RR SCN**	57.3	58.6	62.5	1.0
~ DELTA KING DKXTJ750	57.2			1.0
~ DELTA AND PINE LAND DP 4724 RR*	57.0	57.0		1.0
~ EXCEL BRAND 8493NRR*	57.0	60.2		1.0
~ DYNA-GRO 35Z49**	56.9	59.9		1.3
~ CROW'S C4815R**	56.8	58.4	59.3	1.0
~ DELTA KING DK4967**	56.8	59.3	57.5	1.3
~ ASGROW AG4903	56.7	59.5		1.3
~ STEYER 4600 RR SCN**	56.4			1.3
~ SOUTHERN STATES RT 4808N**	56.3	60.0		1.0
~ DELTAGROW 4860 RR**	55.9			1.0
~ VIGORO V49N6RR**	55.8	58.2		1.8
~ CROW'S C4817R**	55.6			1.0
~ CROPLAN GENETICS RC 4842 RR**	55.6	54.3	55.5	1.0
~ UNISOUTH GENETICS USG 74A76**	55.5			1.5
~ PIONEER VARIETY 94B73	55.3	57.3	57.1	1.0
~ DELTA KING DK4763*	55.0	58.1	58.4	1.3
~ ASGROW AG4801*	54.8	57.7	58.6	1.0
~ DEKALB DKB46-51**	54.7	54.8	56.7	1.0
~ ASGROW AG4703	54.5	58.3		1.0
~ PIONEER VARIETY 94M80*	54.4	56.4		1.5
~ GREAT LAKES GL 4709RR**	54.2			1.0
~ DELTA KING DK4667**	53.8	53.3		1.8
~ EXCEL BRAND 8481NRR*	53.8			1.3
~ HORNBECK HBK R4724	53.7	59.3		1.3
~ SEED CONSULTANTS SC 9466RR**	53.7			1.0
~ CAVERNDAL CF 482 RRn*	53.6			1.0
~ HELENA BRAND SEED 4875**	53.4	54.6	55.6	1.8
~ SOUTHERN STATES RT 4760N**	53.1			1.5
~ SOUTHERN STATES RT 4996N**	53.0			1.5
~ DYNA-GRO 38T47**	52.5			1.3
~ NKXR 4967**	52.3			1.8
~ DELTA KING DK4968	51.3			1.3
~ SOUTHERN CROSS DAN 4.8 N, RR**	51.3	52.6		1.0
~ SOUTHERN STATES RT 4651N**	51.3	56.5		1.0
~ SOUTHERN STATES RT 4777N**	51.1			1.0
~ UNISOUTH GENETICS USG 7484nRR**	51.0	51.8	55.4	1.3
~ DELTA AND PINE LAND DP 4919 RR/S	49.8			1.8
~ UNISOUTH GENETICS USG 7494nRR**	49.5	52.3	55.3	1.5
~ CROPLAN GENETICS RC 4655 RR*	49.2	51.5		1.3
LATE GROUP IV AVERAGE	56.1	57.7	58.3	1.2
LSD (0.10)	6.6	4.2	3.5	0.4



**TABLE 9. 2006 WARREN CO. FULL-SEASON VARIETY TEST<sup>A</sup>.**

BRAND — VARIETY	YIELD (BU/AC) <sup>B</sup>			LODGING
	2006	05-06	04-06	2006
<b>MATURITY GROUP V</b>				
~ DELTAGROW 5160 RR**	<b>67.7</b>			2.0
UNISOUTH GENETICS USG 5002T	64.5	<b>69.7</b>	60.4	2.5
P ANAND**	64.2	66.2	61.5	1.5
UNISOUTH GENETICS USG 5601T	62.3	69.0	<b>67.0</b>	2.0
~ DELTA KING DK52K6**	62.1			2.3
P TEEJAY	61.5	<b>68.0</b>	62.8	2.0
~ EXCEL BRAND 8520NRR*	61.4			2.0
~ UNISOUTH GENETICS USG 56379	61.2			2.0
~ DELTA KING DK5567*	61.1	<b>68.4</b>	<b>65.5</b>	3.0
~ TRISOY 5060RR(CN)*	61.0			1.8
~ EXCEL BRAND 8512NRR*	60.4			2.0
~ NKXR 5068*	59.4			1.5
~ UNISOUTH GENETICS USG 75J32**	58.7	64.0	61.2	2.0
~ UNISOUTH GENETICS USG 7515nRS**	58.6			1.8
~ VIGORO V50N7RS**	58.5			1.8
~ UNISOUTH GENETICS USG ALLEN	57.8			2.0
~ HORNBECK HBK R5226*	57.4			3.3
~ UNISOUTH GENETICS USG 56124	57.4			2.0
~ DELTA KING DK55T6**	57.3	65.2	60.2	2.8
~ SOUTHERN CROSS DAMASCUS 5.0 N, RR	57.0			2.0
~ DELTA AND PINE LAND DP 5115 RR/S	56.4			2.0
~ DELTA KING DKXTJ704	56.3			1.3
P JAKE	56.2			2.0
~ VIGORO V50N5RR**	56.1	57.1	58.3	1.8
~ DELTA KING 5368	55.9			3.3
P HUTCHESON	55.1	63.8	58.9	2.8
~ DELTA KING DKXTJ703*	54.6			2.0
~ UNISOUTH GENETICS USG 56293	54.5			2.0
NS KS5005sp (large seed, high protein)	54.5	55.2	55.9	3.0
~ DELTA KING DK5066**	54.4	59.1		1.8
~ SOUTHERN STATES RT 5540N**	54.3	62.4	60.4	2.5
~ DELTA KING DK5366**	54.2	62.9	58.8	3.0
~ SOUTHERN STATES RT 5160N*	53.8			2.3
~ DELTA KING DK5161**	53.4	63.6	59.2	3.5
~ GUTWEIN H-5053RR**	53.3	54.9	58.9	2.0
NS K03-3825 (high protein)	52.5			1.0
~ PIONEER VARIETY 95M30**	51.6			3.0
NS K03-3821 (high protein)	50.6			1.0
NS KS5003sp (small seeded variety)	50.3	50.0	49.5	2.8
~ SOUTHERN STATES RT 5130N**	49.6	55.2	53.8	2.3
~ UNISOUTH GENETICS USG 75M16	49.4			2.3
NS KS1642sp (low linolenic acid)	47.5	51.8		3.0
GROUP V AVERAGE	56.7	61.5	59.5	2.2
LSD (0.10)	5.7	4.3	3.8	0.5
GRAND MEAN	55.4	54.9	54.0	1.5

~ Roundup Ready variety

P Entries with a P prefix are public varieties.

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

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

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

<sup>A</sup> 2006 and 2005 data are from Warren County, and the 2004 data are from Butler County.

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







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*Mention or display of a trademark, proprietary product, or firm in text or figures does not constitute an endorsement and does not imply approval to the exclusion of other suitable products or firms.*

The following pages are not part of the printed PR-536 publication.

The first few pages are a web site feature for the sorting of Table 4. Summary.

The nomination form, cover letter and instructions are for seed companies and others interested in entering varieties in the KY 2007 Soybean Performance Tests.

Questions or comments?

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TABLE 4. 2006 SUMMARY: VARIETY TEST TABLES 5-9

SORTED BY 2006 YIELD

BRAND -- VARIETY	YIELD (BU/AC) <sup>A</sup>			LODGING	% PROTEIN <sup>B</sup>			% OIL <sup>B</sup>		
	2006	05-06	04-06		2006	05-06	04-06	2006	05-06	04-06
sort	sort	sort	sort	sort	sort	sort	sort	sort	sort	sort
<b>MATURITY GROUP II-III (RELATIVE MG 2.7-3.9)</b>										
~ ASGROW AG3905*	62.6	59.3	62.9	1.7	36.9	36.4	36.6	18.5	19.2	19.1
~ ASGROW AG3705*	61.1			1.4	36.1			18.9		
~ EXCEL BRAND 8396RR/STS	60.4			2.1	36.9			19.0		
~ DEKALB DKB36-52*	59.7	54.0	58.5	1.5	38.4	38.3	39.1	17.5	18.1	17.7
~ SOUTHERN CROSS STEPHEN 3.8 N, RR*	59.7	56.9	61.3	1.5	37.7	36.9	36.8	19.8	20.4	19.9
~ EBBERTS 1386RR**	59.5			2.0	37.1			19.2		
~ ASGROW AG3906*	59.5	57.3		1.8	36.9	36.6		19.5	20.0	
~ VIGORO V36N5RR**	59.2	54.6		2.2	40.2	39.2		16.8	17.6	
~ VIGORO V38N5RS**	59.2	55.1	60.6	1.6	35.7	35.5	35.8	18.4	19.2	19.0
~ PIONEER VARIETY 93M90*	59.0	55.6	61.1	1.5	36.9	36.4	36.7	18.9	19.0	18.8
~ SEED CONSULTANTS SC 9396RR**	58.9	54.5		1.7	35.5	35.7		19.0	19.5	
NS STEWART SEEDS SIG M40111	58.6			1.6	38.0			18.9		
~ SOUTHERN STATES RT 3860	58.5			1.4	36.0			19.2		
~ DELTA KING DK3968**	58.4	55.0	60.2	1.3	37.4	36.5	36.3	19.2	20.0	19.6
~ NK BRAND S37-N4**	57.9	53.9	58.8	2.2	37.3	37.1	37.7	18.1	18.7	18.6
~ GUTWEIN H-3606RR*	57.7	52.9		1.9	39.2	37.8		17.6	18.6	
~ SEED CONSULTANTS SC 9386RR**	57.6			2.0	38.8			19.1		
~ EBBERTS 1385RR	57.5	55.5	61.3	1.9	37.3	36.9	37.2	19.4	20.1	19.9
~ HELENA BRAND SEED 3975**	57.4	54.6		1.7	36.8	37.0		18.5	19.0	
~ SOUTHERN STATES RT 3760N*	57.3			1.7	36.3			18.7		
~ DELTA AND PINE LAND DPX3994RR*	57.1			1.8	37.0			18.3		
~ SEED CONSULTANTS SC 9386A RR*	56.9	53.1		1.9	36.7	36.8		18.4	19.2	
~ SOUTHERN STATES RT 3851N**	56.9	54.0		1.7	36.2	36.2		18.7	19.5	
~ EBBERTS 1397RR**	56.5			2.1	36.1			19.0		
~ STINE 3832-4**	56.3	53.5		1.9	38.0	37.5		19.3	19.8	
~ SEED CONSULTANTS SC 9387RR*	56.3			1.2	37.7			18.6		
~ DELTA KING DKXTJ39T6	56.3			1.6	36.6			18.6		
~ SOUTHERN STATES RT 3951N*	56.3	51.4		2.0	37.2	36.8		19.1	19.8	
~ DELTAGROW 3950 RR*	56.1			1.8	38.7			19.0		
~ STEYER 3630 RR SCN**	56.0			1.3	36.1			19.5		
~ DELTA AND PINE LAND DP 3861 RR*	56.0	53.2	58.2	1.8	37.4	36.7	37.0	18.7	19.2	18.8
~ UNISOUTH GENETICS USG 7393nRR**	55.9	55.1		1.5	38.2	37.2		19.5	20.3	
~ NKXR 3669	55.9			1.5	37.8			17.7		
~ DYNA-GRO 32C38**	55.6			1.3	36.0			18.1		
~ HELENA BRAND SEED 3676**	55.5	50.5		2.1	38.1	37.4		18.9	19.7	
NS DIENER SEEDS D293	54.9			1.6	36.7			18.7		
~ HORNBECK HBK R3824	54.5			2.4	36.0			18.8		
~ EBBERTS 1365RR**	54.1	52.3	59.6	2.2	40.1	39.3	39.4	17.0	17.7	17.5
~ CYST TECH RR0031CTA	53.5			1.6	38.2			18.6		
~ DELTA KING DK3964**	53.4			2.2	37.1			18.7		
~ DELTA KING DK3967**	53.2	49.9		2.1	37.1	36.6		18.8	19.6	
~ CROPLAN GENETICS RC 3935 RR**	52.9	49.6		1.8	37.6	37.1		18.7	19.5	
NS DIENER SEEDS D300	52.8			1.3	36.2			18.8		
~ PIONEER VARIETY 93M42**	52.8			1.6	38.3			18.2		
NS STEWART SEEDS SIG M40619	51.7			2.1	35.6			20.1		
~ SOUTHERN CROSS GOSHEN 2.9 N, RR	49.6			1.6	39.7			19.1		
P IA 3023	46.8	41.7	48.8	1.7	35.9	35.3	35.4	19.4	20.1	19.8
NS IA3022 (large seed, high protein)	45.3	42.4	46.9	2.4	39.4	39.2	39.6	18.7	18.8	18.3
~ SOUTHERN STATES RT 2800	45.2			1.7	38.6			19.6		
~ LG C2777NRR	43.6			2.3	40.3			18.2		
NS IA3006PR (high protein, phytophthora resistance)	40.3	35.6		2.0	38.8	38.9		19.4	19.4	
NS IA3021 (large seed, high protein)	38.1	34.0	40.9	1.6	39.1	38.8	39.4	19.4	19.6	19.0
NS IA3027 (large seed, high protein)	35.8			1.8	39.2			18.9		
GROUP III AVERAGE	54.7	51.7	56.8	1.8	37.5	37.2	37.5	18.8	19.3	18.9
LSD (0.10)	3.7	2.2	1.8	0.3						

**MATURITY GROUP EARLY IV (RELATIVE MG 4.0-4.5)**

~ STINE 4402-4**	63.8			1.5	36.9			19.1		
~ GUTWEIN H-4534RR**	62.2	59.9		1.9	35.7	35.4		19.2	20.2	
~ DELTAGROW 4150 RR*	61.3			1.9	37.3			18.0		
~ GREAT LAKES GL 4129RR**	61.3			1.9	37.2			18.5		
~ CAVERNDALE CF 422 RR/STSn**	60.8			1.6	35.9			19.4		
~ DEKALB DKB42-51*	60.8			1.8	35.7			18.3		
BECK 422NRR**	60.5			1.5	37.1			19.2		
~ PIONEER VARIETY 94M50*	60.3	57.4		1.8	37.5	37.5		18.7	19.5	
~ HELENA BRAND SEED 4375**	60.0	58.3	65.2	1.4	36.0	35.8	36.0	18.6	19.6	19.7
~ ASGROW AG4404*	59.8	57.7		1.9	36.7	37.3		18.6	18.9	
~ ADLER SEEDS 432RRN*	59.7			1.9	36.8			18.6		
~ ASGROW AG4103*	59.6			1.8	36.2			18.6		
~ VIGORO V42N7RS**	59.5			1.5	37.3			19.1		
~ DELTA KING DKXTJ744	59.4			1.7	36.3			19.1		
~ DELTA AND PINE LAND DP 4331 RR*	59.3	58.4	63.7	1.7	35.3	35.0	35.4	18.9	20.2	20.1
~ PIONEER VARIETY 94M31*	59.1			1.7	38.4			18.1		
~ EXCEL BRAND 8427NRR/STS	59.1	56.5		1.3	36.4	36.5		19.2	19.4	
~ EXCEL BRAND 8450NRR*	58.7			1.8	37.1			18.1		
~ VIGORO V42N3RR**	58.4	55.2	62.7	1.3	36.8	36.5	36.4	19.4	19.8	19.8
~ PIONEER VARIETY 94M30*	58.4	55.0		2.0	40.1	38.8		17.9	18.9	
~ CROPLAN GENETICS RC 4455 RR**	58.3	57.9		2.0	35.9	35.7		18.6	19.5	
~ SEED CONSULTANTS SC 9442RR**	58.2			2.0	35.6			19.2		
~ NK BRAND S43-B1**	57.9	56.1	60.4	1.8	37.4	36.5	36.6	18.1	18.8	18.8
~ BECK 444NRR**	57.9	58.2		2.2	36.0	35.7		18.7	19.6	
~ DELTAGROW 4460 RR**	57.8			2.3	36.3			18.5		
~ SOUTHERN STATES RT 4440N**	57.7	57.2	57.5	1.8	35.3	35.3	35.2	19.1	20.2	20.2
NS DIENER SEEDS D400S	57.7			2.1	36.3			19.6		
~ SOUTHERN CROSS MICHAEL 4.2 N, RR, STS**	57.7	55.3	61.3	1.4	37.2	37.0	36.8	19.0	19.5	19.6
~ SOUTHERN STATES RT 4551N	57.5	59.0		2.0	38.5	38.1		18.2	18.5	
~ VIGORO V44N6RR**	57.2	58.1		2.2	35.3	35.4		18.7	19.6	
~ DYNA-GRO DG3443NRR**	57.2	58.9	63.1	1.8	35.4	35.0	35.2	19.1	20.3	20.2
~ SEED CONSULTANTS SC 9456RR**	57.1	56.2		2.2	36.1	36.4		18.3	19.1	
~ ASGROW AG4403*	56.8	57.4	62.3	1.8	35.4	35.1	35.5	19.0	20.2	20.0
~ SOUTHERN STATES RT 4451N**	56.7	59.7		2.1	35.9	35.7		18.3	19.3	
~ GREAT LAKES GL 4419RR**	56.6			2.2	36.0			18.5		
~ CROW'S C4444R**	56.4			2.0	36.4			18.2		
~ SOUTHERN CROSS MOAB 4.5 N, RR**	56.0	56.0		2.1	36.3	36.0		18.2	19.1	
~ CYST TECH RREX40CTA	55.5			1.7	37.2			18.8		
~ SEED CONSULTANTS SC 9436RR*	55.1	54.1		1.7	37.3	36.5		18.5	19.3	
~ SEED CONSULTANTS SC 9406RR*	54.1	50.5		1.8	37.5	36.6		18.2	19.2	
~ STEYER 4420 RR SCN**	53.8			2.2	36.5			18.4		
~ SEED CONSULTANTS SC 9415RR**	53.7	53.0	59.3	1.1	38.0	36.5	36.8	19.0	20.0	19.8
~ DYNA-GRO 37A44**	53.7	55.8		2.2	35.8	35.9		18.7	19.2	
~ SOUTHERN STATES RT 4151N**	53.4	54.4		1.7	38.0	36.9		18.7	19.7	
~ CROPLAN GENETICS RC 4095 RR*	52.1			1.6	36.9			18.6		
~ DELTA AND PINE LAND DP 4112 RR/S	50.9			2.1	38.0			17.5		
~ DELTA AND PINE LAND DP 4546 RR	50.4			2.4	37.3			18.1		
NS IA4003 (large seed, high protein)	48.5	43.9		2.0	40.4	40.1		18.0	18.1	
EARLY GROUP IV AVERAGE	57.5	56.1	61.7	1.8	36.8	36.4	36.0	18.6	19.5	19.8
LSD (0.10)	3.0	2.0	2.1	0.3						

**MATURITY GROUP LATE IV (RELATIVE MG 4.6-4.9)**

~ SOUTHERN CROSS ELI 4.7 N, STS, RR	63.5			1.3	34.2			19.6		
~ STINE 4782-4	63.2			1.3	34.3			19.2		
~ NKXR 4669**	61.6			1.9	36.3			18.1		
~ GREAT LAKES GL 4709RR**	60.5			1.4	34.3			19.4		
~ VIGORO V49N6RR**	60.5	60.8		2.4	36.6	37.2		18.0	18.3	
~ DELTAGROW 4970 RR**	60.3			2.5	36.5			17.9		
~ NK BRAND S49-Q9**	60.2	60.3	63.0	2.0	36.1	36.6	36.2	17.8	18.3	18.4
~ EXCEL BRAND 8447NRR*	60.2			1.9	36.4			17.7		
~ STEYER 4700 RR SCN**	60.1	60.6	65.0	1.9	35.7	35.7	35.8	19.2	20.0	20.0
~ SOUTHERN STATES RT 4808N**	60.0	60.8		2.0	34.1	34.9		18.4	18.9	
~ NKXR 4967**	59.5			2.3	36.2			18.3		
~ DELTA KING DK4461	59.4	58.5	64.7	1.9	35.2	35.0	35.3	19.2	20.3	20.1
~ ASGROW AG4903	59.0	60.1		2.0	35.1	35.8		18.6	19.3	
~ GUTWEIN H-4878RR**	59.0	58.0		2.4	37.5	37.9		17.8	18.0	
~ CROW'S C4817R**	59.0			2.1	34.7			18.3		
~ ASGROW AG4703	58.8	59.8		1.7	36.0	36.6		18.0	18.7	
~ CROW'S C4815R**	58.6	58.0	62.1	2.0	37.8	37.7	38.0	17.5	18.4	18.6
~ PIONEER VARIETY 94B73	58.5	57.9	62.8	2.1	37.6	37.0	37.4	18.2	18.8	19.1
~ UNISOUTH GENETICS USG 74A76**	58.5			2.5	35.4			18.8		
~ SOUTHERN STATES RT 4777N**	58.5			2.4	36.9			18.7		
~ SOUTHERN STATES RT 4760N**	58.4			2.3	37.8			18.2		
~ DELTA KING DK4764**	58.4	57.9		2.2	36.1	36.2		18.2	18.2	
~ EXCEL BRAND 8481NRR*	58.3			2.2	37.0			18.2		
~ TRISOY 4858RR(CN)*	58.1	58.5		2.0	35.2	35.6		18.2	18.7	
~ CAVERNDALE CF 482 RRn*	58.1			2.0	37.9			18.1		
~ DELTAGROW 4860 RR**	58.0			2.0	37.8			18.6		
~ SOUTHERN STATES RT 4996N**	58.0			2.2	36.5			19.0		
~ DELTA KING DK4866*	57.9	57.9	63.6	2.1	35.9	35.5	35.9	17.9	18.8	19.0
~ DELTA AND PINE LAND DP 4724 RR*	57.8	58.4		2.1	37.3	37.9		18.3	18.9	
~ HORNBECK HBK R4924**	57.7			2.3	34.9			18.6		
~ DEKALB DKB46-51**	57.6	57.4	62.0	2.1	37.7	37.7	37.7	18.0	18.7	18.3
~ SEED CONSULTANTS SC 9466RR**	57.6			1.9	36.7			17.9		
~ ASGROW AG4801*	57.1	58.7	62.2	1.6	36.7	36.9	36.9	18.9	19.6	19.6
~ DELTA KING DK4968	57.0			2.4	35.6			18.1		
~ DELTA KING DK4967**	56.6	57.9	62.8	2.2	37.3	37.0	37.0	17.9	19.0	19.0
~ HORNBECK HBK R4724	56.6	58.4		2.1	36.2	35.8		18.1	18.8	
~ PIONEER VARIETY 94M80*	56.6	56.0		2.1	37.3	37.6		18.1	18.8	
~ DELTA KING DKXTJ750	56.5			2.1	37.6			17.6		
~ DELTA KING DK4667**	56.5	56.9		2.7	35.3	35.5		18.3	19.2	
~ CROPLAN GENETICS RC 4955 RR*	56.3	56.8		2.1	35.2	35.3		18.7	19.6	
~ DYNA-GRO 38T47**	56.2			2.1	38.4			17.6		
~ DELTA AND PINE LAND DP 4919 RR/S	56.1			2.3	38.2			18.3		
~ SCHILLINGER SEED 495 RC*	55.9	57.0		2.3	36.8	37.6		17.9	17.9	
~ ADLER SEEDS 492RRN*	55.7			2.0	34.7			18.3		
~ STEYER 4600 RR SCN**	55.7			2.0	36.2			18.3		
~ SOUTHERN STATES RT 4981N**	55.6	56.7		2.1	35.7	36.1		18.5	19.2	
~ UNISOUTH GENETICS USG 7494nRR**	55.4	57.1	63.1	2.4	36.7	36.8	36.8	18.4	19.2	19.1
~ SOUTHERN CROSS DAN 4.8 N, RR**	55.2	57.3		2.2	36.5	36.2		18.5	19.0	
~ CROPLAN GENETICS RC 4842 RR**	55.1	55.2	60.2	2.0	37.6	37.5	37.5	18.2	19.0	19.1
~ DYNA-GRO 35Z49**	55.0	57.5		2.1	35.3	35.4		18.4	18.9	
~ SOUTHERN STATES RT 4651N**	55.0	55.4		1.8	36.9	36.9		17.0	17.9	
~ DELTA KING DK4763*	54.9	57.2	62.1	2.0	37.8	37.5	37.9	18.5	19.1	18.7
~ DELTAGROW 4840 RR**	54.5	56.3	61.1	2.5	36.6	36.1	36.2	18.6	19.1	19.1
~ UNISOUTH GENETICS USG 7484nRR**	54.3	57.0	62.2	2.1	37.0	36.0	36.1	18.2	18.9	18.9
~ EXCEL BRAND 8493NRR*	54.2	56.7		2.1	37.7	37.6		17.3	18.0	
~ HELENA BRAND SEED 4875**	53.1	56.4	61.6	2.2	36.8	36.1	36.4	17.8	18.5	18.5
~ CROPLAN GENETICS RC 4655 RR*	49.8	51.6		1.9	37.4	36.8		17.3	19.1	
LATE GROUP IV AVERAGE	57.5	57.7	62.6	2.1	36.4	36.5	36.7	18.3	18.9	19.0
LSD (0.10)	2.8	2.0	2.1	0.2						



**MATURITY GROUP V**

	UNISOUTH GENETICS USG 5601T	<b>61.3</b>	<b>64.0</b>	<b>66.2</b>	2.6	37.9	38.0	37.7	16.7	17.6	17.8
~	UNISOUTH GENETICS USG 56379	<b>61.2</b>			2.5	36.5			16.7		
~	DELTAGROW 5160 RR**	<b>61.1</b>			2.4	37.6			18.1		
	UNISOUTH GENETICS USG 5002T	<b>60.5</b>	<b>63.9</b>	64.0	2.7	36.0	36.1	35.7	18.3	19.1	19.2
P	ANAND**	<b>59.7</b>	60.2	59.9	2.3	34.7	35.2	35.4	18.6	18.8	18.9
~	UNISOUTH GENETICS USG ALLEN	<b>58.9</b>			2.6	36.6			16.8		
~	SOUTHERN CROSS DAMASCUS 5.0 N, RR	<b>58.7</b>			2.4	37.3			18.4		
~	EXCEL BRAND 8520NRR*	<b>58.7</b>			2.4	37.2			17.2		
~	DELTA KING DK52K6**	<b>57.8</b>			2.9	37.6			17.6		
~	VIGORO V50N7RS**	<b>57.7</b>			2.3	37.3			18.7		
~	EXCEL BRAND 8512NRR*	<b>57.6</b>			2.3	36.9			18.1		
~	UNISOUTH GENETICS USG 75J32**	<b>57.5</b>	59.4	60.7	2.3	36.5	36.1	36.2	17.8	18.4	18.2
P	TEEJAY	<b>57.4</b>	60.1	61.5	2.3	35.5	36.0	35.9	17.7	18.5	18.5
~	NKXR 5068*	<b>56.4</b>			2.0	36.9			17.3		
~	UNISOUTH GENETICS USG 56293	<b>56.3</b>			2.9	37.1			17.0		
~	VIGORO V50N5RR**	<b>56.2</b>	57.8	61.3	2.5	37.9	37.4	37.3	18.0	18.6	18.8
~	DELTA KING DK5567*	<b>56.1</b>	60.5	60.0	3.2	35.7	36.0		17.1	18.0	
P	JAKE	<b>56.0</b>			2.5	35.5			17.9		
~	DELTA KING DK5368	<b>55.8</b>			3.6	38.2			17.8		
~	DELTA KING DK5066**	<b>55.5</b>	58.4		2.2	37.3	37.7		18.5	18.9	
~	SOUTHERN STATES RT 5160N*	<b>55.5</b>			2.8	35.5			18.1		
~	DELTA KING DK5161**	<b>55.4</b>	57.4	58.3	3.7	35.3	35.4	36.0	18.6	19.1	19.1
~	TRISOY 5060RR(CN)*	<b>55.2</b>			2.3	37.6			17.6		
~	DELTA KING DK55T6**	<b>55.0</b>	58.4	56.7	3.3	35.3	35.2	35.5	17.5	18.5	18.2
~	UNISOUTH GENETICS USG 7515nRS**	<b>54.6</b>			2.4	37.7			18.0		
~	UNISOUTH GENETICS USG 56124	<b>54.5</b>			2.7	37.2			17.1		
~	UNISOUTH GENETICS USG 75M16	<b>54.5</b>			2.5	35.0			17.9		
~	SOUTHERN STATES RT 5540N**	<b>54.5</b>	56.7	58.4	2.7	36.8	36.5	36.8	18.0	18.9	18.7
P	HUTCHESON	<b>54.3</b>	59.0	58.5	2.7	36.6	36.4	36.2	17.9	18.7	18.7
~	HORNBECK HBK R5226*	<b>53.6</b>			3.5	37.7			17.2		
~	DELTA KING DKXTJ703*	<b>53.1</b>			2.5	36.3			17.4		
~	DELTA KING DKXTJ704	<b>53.1</b>			2.1	37.7			17.8		
~	DELTA KING DK5366**	<b>52.6</b>	57.5	55.9	3.5	36.3	36.9	37.2	17.1	18.2	17.8
~	GUTWEIN H-5053RR**	<b>52.5</b>	55.1	61.0	2.7	36.7	36.9	37.3	17.9	18.6	18.6
~	PIONEER VARIETY 95M30**	<b>52.5</b>			3.1	36.2			16.7		
~	DELTA AND PINE LAND DP 5115 RR/S	<b>52.3</b>			2.2	36.9			17.6		
NS	KS5005sp (large seed, high protein)	<b>51.3</b>	52.6	55.2	2.6	37.6	38.0	38.2	17.4	17.9	17.9
NS	K03-3825 (high protein)	<b>50.8</b>			1.7	37.9			17.5		
~	SOUTHERN STATES RT 5130N**	<b>50.5</b>	55.0	55.5	2.8	37.5	37.7	37.8	17.3	18.1	17.8
NS	K03-3821 (high protein)	<b>49.8</b>			2.0	39.9			17.8		
NS	KS5003sp (small seeded variety)	<b>46.2</b>	46.5	47.2	3.5	35.8	35.8	35.7	19.1	19.2	19.2
NS	KS1642sp (low linolenic acid)	<b>45.7</b>	47.1		3.2	34.0	34.3		18.9	19.4	
	GROUP V AVERAGE	<b>55.2</b>	57.2	58.8	2.6	36.8	36.4	36.6	17.7	18.6	18.5
	LSD (0.10)	<b>2.5</b>	1.9	2.0	0.2						
	GRAND MEAN	<b>56.3</b>	55.7	59.9	2.1	36.9	37.0	36.7	18.4	19.3	19.0

~ 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 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.

B 2006 variety protein and oil concentration was determined at the Hancock Co. location (all test locations for NS entries) and expressed on the basis of 13% moisture. 2005 protein-oil data are from Caldwell Co. and 2004 protein-oil data are from Fayette Co..

These data were provided by the Iowa State University Grain Quality Analysis Services using near-infrared (NIR) analysis.

TABLE 4. 2006 SUMMARY: VARIETY TEST TABLES 5-9

SORTED BY TYPE

BRAND -- VARIETY	YIELD (BU/AC) <sup>A</sup>			LODGING	% PROTEIN <sup>B</sup>			% OIL <sup>B</sup>		
	2006	05-06	04-06		2006	05-06	04-06	2006	05-06	04-06
<b>MATURITY GROUP II-III (RELATIVE MG 2.7-3.9)</b>										
P IA 3023	46.8	41.7	48.8	1.7	35.9	35.3	35.4	19.4	20.1	19.8
NS STEWART SEEDS SIG M40111	58.6			1.6	38.0			18.9		
NS DIENER SEEDS D293	54.9			1.6	36.7			18.7		
NS DIENER SEEDS D300	52.8			1.3	36.2			18.8		
NS STEWART SEEDS SIG M40619	51.7			2.1	35.6			20.1		
NS IA3022 (large seed, high protein)	45.3	42.4	46.9	2.4	39.4	39.2	39.6	18.7	18.8	18.3
NS IA3006PR (high protein, phytophthora resistance)	40.3	35.6		2.0	38.8	38.9		19.4	19.4	
NS IA3021 (large seed, high protein)	38.1	34.0	40.9	1.6	39.1	38.8	39.4	19.4	19.6	19.0
NS IA3027 (large seed, high protein)	35.8			1.8	39.2			18.9		
~ ASGROW AG3905*	62.6	59.3	62.9	1.7	36.9	36.4	36.6	18.5	19.2	19.1
~ ASGROW AG3705*	61.1			1.4	36.1			18.9		
~ EXCEL BRAND 8396RR/STS	60.4			2.1	36.9			19.0		
~ DEKALB DKB36-52*	59.7	54.0	58.5	1.5	38.4	38.3	39.1	17.5	18.1	17.7
~ SOUTHERN CROSS STEPHEN 3.8 N, RR*	59.7	56.9	61.3	1.5	37.7	36.9	36.8	19.8	20.4	19.9
~ EBBERTS 1386RR**	59.5			2.0	37.1			19.2		
~ ASGROW AG3906*	59.5	57.3		1.8	36.9	36.6		19.5	20.0	
~ VIGORO V36N5RR**	59.2	54.6		2.2	40.2	39.2		16.8	17.6	
~ VIGORO V38N5RS**	59.2	55.1	60.6	1.6	35.7	35.5	35.8	18.4	19.2	19.0
~ PIONEER VARIETY 93M90*	59.0	55.6	61.1	1.5	36.9	36.4	36.7	18.9	19.0	18.8
~ SEED CONSULTANTS SC 9396RR**	58.9	54.5		1.7	35.5	35.7		19.0	19.5	
~ SOUTHERN STATES RT 3860	58.5			1.4	36.0			19.2		
~ DELTA KING DK3968**	58.4	55.0	60.2	1.3	37.4	36.5	36.3	19.2	20.0	19.6
~ NK BRAND S37-N4**	57.9	53.9	58.8	2.2	37.3	37.1	37.7	18.1	18.7	18.6
~ GUTWEIN H-3606RR*	57.7	52.9		1.9	39.2	37.8		17.6	18.6	
~ SEED CONSULTANTS SC 9386RR**	57.6			2.0	38.8			19.1		
~ EBBERTS 1385RR	57.5	55.5	61.3	1.9	37.3	36.9	37.2	19.4	20.1	19.9
~ HELENA BRAND SEED 3975**	57.4	54.6		1.7	36.8	37.0		18.5	19.0	
~ SOUTHERN STATES RT 3760N*	57.3			1.7	36.3			18.7		
~ DELTA AND PINE LAND DPX3994RR*	57.1			1.8	37.0			18.3		
~ SEED CONSULTANTS SC 9386A RR*	56.9	53.1		1.9	36.7	36.8		18.4	19.2	
~ SOUTHERN STATES RT 3851N**	56.9	54.0		1.7	36.2	36.2		18.7	19.5	
~ EBBERTS 1397RR**	56.5			2.1	36.1			19.0		
~ SEED CONSULTANTS SC 9387RR*	56.3			1.2	37.7			18.6		
~ STINE 3832-4**	56.3	53.5		1.9	38.0	37.5		19.3	19.8	
~ DELTA KING DKXTJ39T6	56.3			1.6	36.6			18.6		
~ SOUTHERN STATES RT 3951N*	56.3	51.4		2.0	37.2	36.8		19.1	19.8	
~ DELTAGROW 3950 RR*	56.1			1.8	38.7			19.0		
~ STEYER 3630 RR SCN**	56.0			1.3	36.1			19.5		
~ DELTA AND PINE LAND DP 3861 RR*	56.0	53.2	58.2	1.8	37.4	36.7	37.0	18.7	19.2	18.8
~ UNISOUTH GENETICS USG 7393nRR**	55.9	55.1		1.5	38.2	37.2		19.5	20.3	
~ NKXR 3669	55.9			1.5	37.8			17.7		
~ DYNA-GRO 32C38**	55.6			1.3	36.0			18.1		
~ HELENA BRAND SEED 3676**	55.5	50.5		2.1	38.1	37.4		18.9	19.7	
~ HORNBECK HBK R3824	54.5			2.4	36.0			18.8		
~ EBBERTS 1365RR**	54.1	52.3	59.6	2.2	40.1	39.3	39.4	17.0	17.7	17.5
~ CYST TECH RR0031CTA	53.5			1.6	38.2			18.6		
~ DELTA KING DK3964**	53.4			2.2	37.1			18.7		
~ DELTA KING DK3967**	53.2	49.9		2.1	37.1	36.6		18.8	19.6	
~ CROPLAN GENETICS RC 3935 RR**	52.9	49.6		1.8	37.6	37.1		18.7	19.5	
~ PIONEER VARIETY 93M42**	52.8			1.6	38.3			18.2		
~ SOUTHERN CROSS GOSHEN 2.9 N, RR	49.6			1.6	39.7			19.1		
~ SOUTHERN STATES RT 2800	45.2			1.7	38.6			19.6		
~ LG C2777NRR	43.6			2.3	40.3			18.2		
GROUP III AVERAGE	54.7	51.7	56.8	1.8	37.5	37.2	37.5	18.8	19.3	18.9
LSD (0.10)	3.7	2.2	1.8	0.3						

sort

**MATURITY GROUP EARLY IV (RELATIVE MG 4.0-4.5)**

NS	DIENER SEEDS D400S	57.7			2.1	36.3			19.6		
NS	IA4003 (large seed, high protein)	48.5	43.9		2.0	40.4	40.1		18.0	18.1	
	BECK 422NRR**	60.5			1.5	37.1			19.2		
~	STINE 4402-4**	63.8			1.5	36.9			19.1		
~	GUTWEIN H-4534RR**	62.2	59.9		1.9	35.7	35.4		19.2	20.2	
~	DELTA GROW 4150 RR*	61.3			1.9	37.3			18.0		
~	GREAT LAKES GL 4129RR**	61.3			1.9	37.2			18.5		
~	CAVERNDALE CF 422 RR/STSn**	60.8			1.6	35.9			19.4		
~	DEKALB DKB42-51*	60.8			1.8	35.7			18.3		
~	PIONEER VARIETY 94M50*	60.3	57.4		1.8	37.5	37.5		18.7	19.5	
~	HELENA BRAND SEED 4375**	60.0	58.3	65.2	1.4	36.0	35.8	36.0	18.6	19.6	19.7
~	ASGROW AG4404*	59.8	57.7		1.9	36.7	37.3		18.6	18.9	
~	ADLER SEEDS 432RRN*	59.7			1.9	36.8			18.6		
~	ASGROW AG4103*	59.6			1.8	36.2			18.6		
~	VIGORO V42N7RS**	59.5			1.5	37.3			19.1		
~	DELTA KING DKXTJ744	59.4			1.7	36.3			19.1		
~	DELTA AND PINE LAND DP 4331 RR*	59.3	58.4	63.7	1.7	35.3	35.0	35.4	18.9	20.2	20.1
~	PIONEER VARIETY 94M31*	59.1			1.7	38.4			18.1		
~	EXCEL BRAND 8427NRR/STS	59.1	56.5		1.3	36.4	36.5		19.2	19.4	
~	EXCEL BRAND 8450NRR*	58.7			1.8	37.1			18.1		
~	VIGORO V42N3RR**	58.4	55.2	62.7	1.3	36.8	36.5	36.4	19.4	19.8	19.8
~	PIONEER VARIETY 94M30*	58.4	55.0		2.0	40.1	38.8		17.9	18.9	
~	CROPLAN GENETICS RC 4455 RR**	58.3	57.9		2.0	35.9	35.7		18.6	19.5	
~	SEED CONSULTANTS SC 9442RR**	58.2			2.0	35.6			19.2		
~	NK BRAND S43-B1**	57.9	56.1	60.4	1.8	37.4	36.5	36.6	18.1	18.8	18.8
~	BECK 444NRR**	57.9	58.2		2.2	36.0	35.7		18.7	19.6	
~	DELTA GROW 4460 RR**	57.8			2.3	36.3			18.5		
~	SOUTHERN STATES RT 4440N**	57.7	57.2	57.5	1.8	35.3	35.3	35.2	19.1	20.2	20.2
~	SOUTHERN CROSS MICHAEL 4.2 N, RR, STS**	57.7	55.3	61.3	1.4	37.2	37.0	36.8	19.0	19.5	19.6
~	SOUTHERN STATES RT 4551N	57.5	59.0		2.0	38.5	38.1		18.2	18.5	
~	VIGORO V44N6RR**	57.2	58.1		2.2	35.3	35.4		18.7	19.6	
~	DYNA-GRO DG3443NRR**	57.2	58.9	63.1	1.8	35.4	35.0	35.2	19.1	20.3	20.2
~	SEED CONSULTANTS SC 9456RR**	57.1	56.2		2.2	36.1	36.4		18.3	19.1	
~	ASGROW AG4403*	56.8	57.4	62.3	1.8	35.4	35.1	35.5	19.0	20.2	20.0
~	SOUTHERN STATES RT 4451N**	56.7	59.7		2.1	35.9	35.7		18.3	19.3	
~	GREAT LAKES GL 4419RR**	56.6			2.2	36.0			18.5		
~	CROW'S C4444R**	56.4			2.0	36.4			18.2		
~	SOUTHERN CROSS MOAB 4.5 N, RR**	56.0	56.0		2.1	36.3	36.0		18.2	19.1	
~	CYST TECH RREX40CTA	55.5			1.7	37.2			18.8		
~	SEED CONSULTANTS SC 9436RR*	55.1	54.1		1.7	37.3	36.5		18.5	19.3	
~	SEED CONSULTANTS SC 9406RR*	54.1	50.5		1.8	37.5	36.6		18.2	19.2	
~	STEYER 4420 RR SCN**	53.8			2.2	36.5			18.4		
~	SEED CONSULTANTS SC 9415RR**	53.7	53.0	59.3	1.1	38.0	36.5	36.8	19.0	20.0	19.8
~	DYNA-GRO 37A44**	53.7	55.8		2.2	35.8	35.9		18.7	19.2	
~	SOUTHERN STATES RT 4151N**	53.4	54.4		1.7	38.0	36.9		18.7	19.7	
~	CROPLAN GENETICS RC 4095 RR*	52.1			1.6	36.9			18.6		
~	DELTA AND PINE LAND DP 4112 RR/S	50.9			2.1	38.0			17.5		
~	DELTA AND PINE LAND DP 4546 RR	50.4			2.4	37.3			18.1		
	EARLY GROUP IV AVERAGE	57.5	56.1	61.7	1.8	36.8	36.4	36.0	18.6	19.5	19.8
	LSD (0.10)	3.0	2.0	2.1	0.3						

**MATURITY GROUP LATE IV (RELATIVE MG 4.6-4.9)**

~ SOUTHERN CROSS ELI 4.7 N, STS, RR	63.5			1.3	34.2			19.6		
~ STINE 4782-4	63.2			1.3	34.3			19.2		
~ NKXR 4669**	61.6			1.9	36.3			18.1		
~ GREAT LAKES GL 4709RR**	60.5			1.4	34.3			19.4		
~ VIGORO V49N6RR**	60.5	60.8		2.4	36.6	37.2		18.0	18.3	
~ DELTAGROW 4970 RR**	60.3			2.5	36.5			17.9		
~ NK BRAND S49-Q9**	60.2	60.3	63.0	2.0	36.1	36.6	36.2	17.8	18.3	18.4
~ EXCEL BRAND 8447NRR*	60.2			1.9	36.4			17.7		
~ STEYER 4700 RR SCN**	60.1	60.6	65.0	1.9	35.7	35.7	35.8	19.2	20.0	20.0
~ SOUTHERN STATES RT 4808N**	60.0	60.8		2.0	34.1	34.9		18.4	18.9	
~ NKXR 4967**	59.5			2.3	36.2			18.3		
~ DELTA KING DK4461	59.4	58.5	64.7	1.9	35.2	35.0	35.3	19.2	20.3	20.1
~ ASGROW AG4903	59.0	60.1		2.0	35.1	35.8		18.6	19.3	
~ GUTWEIN H-4878RR**	59.0	58.0		2.4	37.5	37.9		17.8	18.0	
~ CROW'S C4817R**	59.0			2.1	34.7			18.3		
~ ASGROW AG4703	58.8	59.8		1.7	36.0	36.6		18.0	18.7	
~ CROW'S C4815R**	58.6	58.0	62.1	2.0	37.8	37.7	38.0	17.5	18.4	18.6
~ PIONEER VARIETY 94B73	58.5	57.9	62.8	2.1	37.6	37.0	37.4	18.2	18.8	19.1
~ UNISOUTH GENETICS USG 74A76**	58.5			2.5	35.4			18.8		
~ SOUTHERN STATES RT 4777N**	58.5			2.4	36.9			18.7		
~ SOUTHERN STATES RT 4760N**	58.4			2.3	37.8			18.2		
~ DELTA KING DK4764**	58.4	57.9		2.2	36.1	36.2		18.2	18.2	
~ EXCEL BRAND 8481NRR*	58.3			2.2	37.0			18.2		
~ TRISOY 4858RR(CN)*	58.1	58.5		2.0	35.2	35.6		18.2	18.7	
~ CAVERNDALE CF 482 RRn*	58.1			2.0	37.9			18.1		
~ DELTAGROW 4860 RR**	58.0			2.0	37.8			18.6		
~ SOUTHERN STATES RT 4996N**	58.0			2.2	36.5			19.0		
~ DELTA KING DK4866*	57.9	57.9	63.6	2.1	35.9	35.5	35.9	17.9	18.8	19.0
~ DELTA AND PINE LAND DP 4724 RR*	57.8	58.4		2.1	37.3	37.9		18.3	18.9	
~ HORNBECK HBK R4924**	57.7			2.3	34.9			18.6		
~ DEKALB DKB46-51**	57.6	57.4	62.0	2.1	37.7	37.7	37.7	18.0	18.7	18.3
~ SEED CONSULTANTS SC 9466RR**	57.6			1.9	36.7			17.9		
~ ASGROW AG4801*	57.1	58.7	62.2	1.6	36.7	36.9	36.9	18.9	19.6	19.6
~ DELTA KING DK4968	57.0			2.4	35.6			18.1		
~ DELTA KING DK4967**	56.6	57.9	62.8	2.2	37.3	37.0	37.0	17.9	19.0	19.0
~ HORNBECK HBK R4724	56.6	58.4		2.1	36.2	35.8		18.1	18.8	
~ PIONEER VARIETY 94M80*	56.6	56.0		2.1	37.3	37.6		18.1	18.8	
~ DELTA KING DKXTJ750	56.5			2.1	37.6			17.6		
~ DELTA KING DK4667**	56.5	56.9		2.7	35.3	35.5		18.3	19.2	
~ CROPLAN GENETICS RC 4955 RR*	56.3	56.8		2.1	35.2	35.3		18.7	19.6	
~ DYNA-GRO 38T47**	56.2			2.1	38.4			17.6		
~ DELTA AND PINE LAND DP 4919 RR/S	56.1			2.3	38.2			18.3		
~ SCHILLINGER SEED 495 RC*	55.9	57.0		2.3	36.8	37.6		17.9	17.9	
~ ADLER SEEDS 492RRN*	55.7			2.0	34.7			18.3		
~ STEYER 4600 RR SCN**	55.7			2.0	36.2			18.3		
~ SOUTHERN STATES RT 4981N**	55.6	56.7		2.1	35.7	36.1		18.5	19.2	
~ UNISOUTH GENETICS USG 7494nRR**	55.4	57.1	63.1	2.4	36.7	36.8	36.8	18.4	19.2	19.1
~ SOUTHERN CROSS DAN 4.8 N, RR**	55.2	57.3		2.2	36.5	36.2		18.5	19.0	
~ CROPLAN GENETICS RC 4842 RR**	55.1	55.2	60.2	2.0	37.6	37.5	37.5	18.2	19.0	19.1
~ DYNA-GRO 35Z49**	55.0	57.5		2.1	35.3	35.4		18.4	18.9	
~ SOUTHERN STATES RT 4651N**	55.0	55.4		1.8	36.9	36.9		17.0	17.9	
~ DELTA KING DK4763*	54.9	57.2	62.1	2.0	37.8	37.5	37.9	18.5	19.1	18.7
~ DELTAGROW 4840 RR**	54.5	56.3	61.1	2.5	36.6	36.1	36.2	18.6	19.1	19.1
~ UNISOUTH GENETICS USG 7484nRR**	54.3	57.0	62.2	2.1	37.0	36.0	36.1	18.2	18.9	18.9
~ EXCEL BRAND 8493NRR*	54.2	56.7		2.1	37.7	37.6		17.3	18.0	
~ HELENA BRAND SEED 4875**	53.1	56.4	61.6	2.2	36.8	36.1	36.4	17.8	18.5	18.5
~ CROPLAN GENETICS RC 4655 RR*	49.8	51.6		1.9	37.4	36.8		17.3	19.1	
LATE GROUP IV AVERAGE	57.5	57.7	62.6	2.1	36.4	36.5	36.7	18.3	18.9	19.0
LSD (0.10)	2.8	2.0	2.1	0.2						

**MATURITY GROUP V**

P	ANAND**	59.7	60.2	59.9	2.3	34.7	35.2	35.4	18.6	18.8	18.9
P	TEEJAY	57.4	60.1	61.5	2.3	35.5	36.0	35.9	17.7	18.5	18.5
P	JAKE	56.0			2.5	35.5			17.9		
P	HUTCHESON	54.3	59.0	58.5	2.7	36.6	36.4	36.2	17.9	18.7	18.7
NS	KS5005sp (large seed, high protein)	51.3	52.6	55.2	2.6	37.6	38.0	38.2	17.4	17.9	17.9
NS	K03-3825 (high protein)	50.8			1.7	37.9			17.5		
NS	K03-3821 (high protein)	49.8			2.0	39.9			17.8		
NS	KS5003sp (small seeded variety)	46.2	46.5	47.2	3.5	35.8	35.8	35.7	19.1	19.2	19.2
NS	KS1642sp (low linolenic acid)	45.7	47.1		3.2	34.0	34.3		18.9	19.4	
	UNISOUTH GENETICS USG 5601T	61.3	64.0	66.2	2.6	37.9	38.0	37.7	16.7	17.6	17.8
	UNISOUTH GENETICS USG 5002T	60.5	63.9	64.0	2.7	36.0	36.1	35.7	18.3	19.1	19.2
~	UNISOUTH GENETICS USG 56379	61.2			2.5	36.5			16.7		
~	DELTAGROW 5160 RR**	61.1			2.4	37.6			18.1		
~	UNISOUTH GENETICS USG ALLEN	58.9			2.6	36.6			16.8		
~	SOUTHERN CROSS DAMASCUS 5.0 N, RR	58.7			2.4	37.3			18.4		
~	EXCEL BRAND 8520NRR*	58.7			2.4	37.2			17.2		
~	DELTA KING DK52K6**	57.8			2.9	37.6			17.6		
~	VIGORO V50N7RS**	57.7			2.3	37.3			18.7		
~	EXCEL BRAND 8512NRR*	57.6			2.3	36.9			18.1		
~	UNISOUTH GENETICS USG 75J32**	57.5	59.4	60.7	2.3	36.5	36.1	36.2	17.8	18.4	18.2
~	NKXR 5068*	56.4			2.0	36.9			17.3		
~	UNISOUTH GENETICS USG 56293	56.3			2.9	37.1			17.0		
~	VIGORO V50N5RR**	56.2	57.8	61.3	2.5	37.9	37.4	37.3	18.0	18.6	18.8
~	DELTA KING DK5567*	56.1	60.5	60.0	3.2	35.7	36.0		17.1	18.0	
~	DELTA KING DK5368	55.8			3.6	38.2			17.8		
~	DELTA KING DK5066**	55.5	58.4		2.2	37.3	37.7		18.5	18.9	
~	SOUTHERN STATES RT 5160N*	55.5			2.8	35.5			18.1		
~	DELTA KING DK5161**	55.4	57.4	58.3	3.7	35.3	35.4	36.0	18.6	19.1	19.1
~	TRISOY 5060RR(CN)*	55.2			2.3	37.6			17.6		
~	DELTA KING DK55T6**	55.0	58.4	56.7	3.3	35.3	35.2	35.5	17.5	18.5	18.2
~	UNISOUTH GENETICS USG 7515nRS**	54.6			2.4	37.7			18.0		
~	UNISOUTH GENETICS USG 56124	54.5			2.7	37.2			17.1		
~	UNISOUTH GENETICS USG 75M16	54.5			2.5	35.0			17.9		
~	SOUTHERN STATES RT 5540N**	54.5	56.7	58.4	2.7	36.8	36.5	36.8	18.0	18.9	18.7
~	HORNBECK HBK R5226*	53.6			3.5	37.7			17.2		
~	DELTA KING DKXTJ703*	53.1			2.5	36.3			17.4		
~	DELTA KING DKXTJ704	53.1			2.1	37.7			17.8		
~	DELTA KING DK5366**	52.6	57.5	55.9	3.5	36.3	36.9	37.2	17.1	18.2	17.8
~	GUTWEIN H-5053RR**	52.5	55.1	61.0	2.7	36.7	36.9	37.3	17.9	18.6	18.6
~	PIONEER VARIETY 95M30**	52.5			3.1	36.2			16.7		
~	DELTA AND PINE LAND DP 5115 RR/S	52.3			2.2	36.9			17.6		
~	SOUTHERN STATES RT 5130N**	50.5	55.0	55.5	2.8	37.5	37.7	37.8	17.3	18.1	17.8
	GROUP V AVERAGE	55.2	57.2	58.8	2.6	36.8	36.4	36.6	17.7	18.6	18.5
	LSD (0.10)	2.5	1.9	2.0	0.2						
	GRAND MEAN	56.3	55.7	59.9	2.1	36.9	37.0	36.7	18.4	19.3	19.0

~ 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 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.

B 2006 variety protein and oil concentration was determined at the Hancock Co. location (all test locations for NS entries) and expressed on the basis of 13% moisture. 2005 protein-oil data are from Caldwell Co. and 2004 protein-oil data are from Fayette Co.. These data were provided by the Iowa State University Grain Quality Analysis Services using near-infrared (NIR) analysis.

TABLE 4. 2006 SUMMARY: VARIETY TEST TABLES 5-9

SORTED BRAND--VARIETY

BRAND -- VARIETY	YIELD (BU/AC) <sup>A</sup>			LODGING	% PROTEIN <sup>B</sup>			% OIL <sup>B</sup>		
	2006	05-06	04-06		2006	05-06	04-06	2006	05-06	04-06
<i>sort alphabetically</i>										
<b>MATURITY GROUP II-III (RELATIVE MG 2.7-3.9)</b>										
~ ASGROW AG3705*	61.1			1.4	36.1			18.9		
~ ASGROW AG3905*	62.6	59.3	62.9	1.7	36.9	36.4	36.6	18.5	19.2	19.1
~ ASGROW AG3906*	59.5	57.3		1.8	36.9	36.6		19.5	20.0	
~ CROPLAN GENETICS RC 3935 RR**	52.9	49.6		1.8	37.6	37.1		18.7	19.5	
~ CYST TECH RR0031CTA	53.5			1.6	38.2			18.6		
~ DEKALB DKB36-52*	59.7	54.0	58.5	1.5	38.4	38.3	39.1	17.5	18.1	17.7
~ DELTA AND PINE LAND DP 3861 RR*	56.0	53.2	58.2	1.8	37.4	36.7	37.0	18.7	19.2	18.8
~ DELTA AND PINE LAND DPX3994RR*	57.1			1.8	37.0			18.3		
~ DELTA KING DK3964**	53.4			2.2	37.1			18.7		
~ DELTA KING DK3967**	53.2	49.9		2.1	37.1	36.6		18.8	19.6	
~ DELTA KING DK3968**	58.4	55.0	60.2	1.3	37.4	36.5	36.3	19.2	20.0	19.6
~ DELTA KING DKXTJ39T6	56.3			1.6	36.6			18.6		
~ DELTAGROW 3950 RR*	56.1			1.8	38.7			19.0		
NS DIENER SEEDS D293	54.9			1.6	36.7			18.7		
NS DIENER SEEDS D300	52.8			1.3	36.2			18.8		
~ DYNA-GRO 32C38**	55.6			1.3	36.0			18.1		
~ EBBERTS 1365RR**	54.1	52.3	59.6	2.2	40.1	39.3	39.4	17.0	17.7	17.5
~ EBBERTS 1385RR	57.5	55.5	61.3	1.9	37.3	36.9	37.2	19.4	20.1	19.9
~ EBBERTS 1386RR**	59.5			2.0	37.1			19.2		
~ EBBERTS 1397RR**	56.5			2.1	36.1			19.0		
~ EXCEL BRAND 8396RR/STS	60.4			2.1	36.9			19.0		
~ GUTWEIN H-3606RR*	57.7	52.9		1.9	39.2	37.8		17.6	18.6	
~ HELENA BRAND SEED 3676**	55.5	50.5		2.1	38.1	37.4		18.9	19.7	
~ HELENA BRAND SEED 3975**	57.4	54.6		1.7	36.8	37.0		18.5	19.0	
~ HORNBECK HBK R3824	54.5			2.4	36.0			18.8		
P IA 3023	46.8	41.7	48.8	1.7	35.9	35.3	35.4	19.4	20.1	19.8
NS IA3006PR (high protein, phytophthora resistance)	40.3	35.6		2.0	38.8	38.9		19.4	19.4	
NS IA3021 (large seed, high protein)	38.1	34.0	40.9	1.6	39.1	38.8	39.4	19.4	19.6	19.0
NS IA3022 (large seed, high protein)	45.3	42.4	46.9	2.4	39.4	39.2	39.6	18.7	18.8	18.3
NS IA3027 (large seed, high protein)	35.8			1.8	39.2			18.9		
~ LG C2777NRR	43.6			2.3	40.3			18.2		
~ NK BRAND S37-N4**	57.9	53.9	58.8	2.2	37.3	37.1	37.7	18.1	18.7	18.6
~ NKXR 3669	55.9			1.5	37.8			17.7		
~ PIONEER VARIETY 93M42**	52.8			1.6	38.3			18.2		
~ PIONEER VARIETY 93M90*	59.0	55.6	61.1	1.5	36.9	36.4	36.7	18.9	19.0	18.8
~ SEED CONSULTANTS SC 9386A RR*	56.9	53.1		1.9	36.7	36.8		18.4	19.2	
~ SEED CONSULTANTS SC 9386RR**	57.6			2.0	38.8			19.1		
~ SEED CONSULTANTS SC 9387RR*	56.3			1.2	37.7			18.6		
~ SEED CONSULTANTS SC 9396RR**	58.9	54.5		1.7	35.5	35.7		19.0	19.5	
~ SOUTHERN CROSS GOSHEN 2.9 N, RR	49.6			1.6	39.7			19.1		
~ SOUTHERN CROSS STEPHEN 3.8 N, RR*	59.7	56.9	61.3	1.5	37.7	36.9	36.8	19.8	20.4	19.9
~ SOUTHERN STATES RT 2800	45.2			1.7	38.6			19.6		
~ SOUTHERN STATES RT 3760N*	57.3			1.7	36.3			18.7		
~ SOUTHERN STATES RT 3851N**	56.9	54.0		1.7	36.2	36.2		18.7	19.5	
~ SOUTHERN STATES RT 3860	58.5			1.4	36.0			19.2		
~ SOUTHERN STATES RT 3951N*	56.3	51.4		2.0	37.2	36.8		19.1	19.8	
NS STEWART SEEDS SIG M40111	58.6			1.6	38.0			18.9		
NS STEWART SEEDS SIG M40619	51.7			2.1	35.6			20.1		
~ STEYER 3630 RR SCN**	56.0			1.3	36.1			19.5		
~ STINE 3832-4**	56.3	53.5		1.9	38.0	37.5		19.3	19.8	
~ UNISOUTH GENETICS USG 7393nRR**	55.9	55.1		1.5	38.2	37.2		19.5	20.3	
~ VIGORO V36N5RR**	59.2	54.6		2.2	40.2	39.2		16.8	17.6	
~ VIGORO V38N5RS**	59.2	55.1	60.6	1.6	35.7	35.5	35.8	18.4	19.2	19.0
GROUP III AVERAGE	54.7	51.7	56.8	1.8	37.5	37.2	37.5	18.8	19.3	18.9
LSD (0.10)	3.7	2.2	1.8	0.3						

**MATURITY GROUP EARLY IV (RELATIVE MG 4.0-4.5)**

~ ADLER SEEDS 432RRN*	59.7			1.9	36.8				18.6		
~ ASGROW AG4103*	59.6			1.8	36.2				18.6		
~ ASGROW AG4403*	56.8	57.4	62.3	1.8	35.4	35.1	35.5	19.0	20.2	20.0	
~ ASGROW AG4404*	59.8	57.7		1.9	36.7	37.3		18.6	18.9		
BECK 422NRR**	60.5			1.5	37.1			19.2			
~ BECK 444NRR**	57.9	58.2		2.2	36.0	35.7		18.7	19.6		
~ CAVERNDALE CF 422 RR/STSn**	60.8			1.6	35.9			19.4			
~ CROPLAN GENETICS RC 4095 RR*	52.1			1.6	36.9			18.6			
~ CROPLAN GENETICS RC 4455 RR**	58.3	57.9		2.0	35.9	35.7		18.6	19.5		
~ CROW'S C4444R**	56.4			2.0	36.4			18.2			
~ CYST TECH RREX40CTA	55.5			1.7	37.2			18.8			
~ DEKALB DKB42-51*	60.8			1.8	35.7			18.3			
~ DELTA AND PINE LAND DP 4546 RR	50.4			2.4	37.3			18.1			
~ DELTA AND PINE LAND DP 4331 RR*	59.3	58.4	63.7	1.7	35.3	35.0	35.4	18.9	20.2	20.1	
~ DELTA AND PINE LAND DP 4112 RR/S	50.9			2.1	38.0			17.5			
~ DELTA KING DKXTJ744	59.4			1.7	36.3			19.1			
~ DELTAGROW 4150 RR*	61.3			1.9	37.3			18.0			
~ DELTAGROW 4460 RR**	57.8			2.3	36.3			18.5			
NS DIENER SEEDS D400S	57.7			2.1	36.3			19.6			
~ DYNA-GRO 37A44**	53.7	55.8		2.2	35.8	35.9		18.7	19.2		
~ DYNA-GRO DG3443NRR**	57.2	58.9	63.1	1.8	35.4	35.0	35.2	19.1	20.3	20.2	
~ EXCEL BRAND 8427NRR/STS	59.1	56.5		1.3	36.4	36.5		19.2	19.4		
~ EXCEL BRAND 8450NRR*	58.7			1.8	37.1			18.1			
~ GREAT LAKES GL 4129RR**	61.3			1.9	37.2			18.5			
~ GREAT LAKES GL 4419RR**	56.6			2.2	36.0			18.5			
~ GUTWEIN H-4534RR**	62.2	59.9		1.9	35.7	35.4		19.2	20.2		
~ HELENA BRAND SEED 4375**	60.0	58.3	65.2	1.4	36.0	35.8	36.0	18.6	19.6	19.7	
NS IA4003 (large seed, high protein)	48.5	43.9		2.0	40.4	40.1		18.0	18.1		
~ NK BRAND S43-B1**	57.9	56.1	60.4	1.8	37.4	36.5	36.6	18.1	18.8	18.8	
~ PIONEER VARIETY 94M30*	58.4	55.0		2.0	40.1	38.8		17.9	18.9		
~ PIONEER VARIETY 94M31*	59.1			1.7	38.4			18.1			
~ PIONEER VARIETY 94M50*	60.3	57.4		1.8	37.5	37.5		18.7	19.5		
~ SEED CONSULTANTS SC 9406RR*	54.1	50.5		1.8	37.5	36.6		18.2	19.2		
~ SEED CONSULTANTS SC 9415RR**	53.7	53.0	59.3	1.1	38.0	36.5	36.8	19.0	20.0	19.8	
~ SEED CONSULTANTS SC 9436RR*	55.1	54.1		1.7	37.3	36.5		18.5	19.3		
~ SEED CONSULTANTS SC 9442RR**	58.2			2.0	35.6			19.2			
~ SEED CONSULTANTS SC 9456RR**	57.1	56.2		2.2	36.1	36.4		18.3	19.1		
~ SOUTHERN CROSS MICHAEL 4.2 N, RR, STS**	57.7	55.3	61.3	1.4	37.2	37.0	36.8	19.0	19.5	19.6	
~ SOUTHERN CROSS MOAB 4.5 N, RR**	56.0	56.0		2.1	36.3	36.0		18.2	19.1		
~ SOUTHERN STATES RT 4151N**	53.4	54.4		1.7	38.0	36.9		18.7	19.7		
~ SOUTHERN STATES RT 4440N**	57.7	57.2	57.5	1.8	35.3	35.3	35.2	19.1	20.2	20.2	
~ SOUTHERN STATES RT 4451N**	56.7	59.7		2.1	35.9	35.7		18.3	19.3		
~ SOUTHERN STATES RT 4551N	57.5	59.0		2.0	38.5	38.1		18.2	18.5		
~ STEYER 4420 RR SCN**	53.8			2.2	36.5			18.4			
~ STINE 4402-4**	63.8			1.5	36.9			19.1			
~ VIGORO V42N3RR**	58.4	55.2	62.7	1.3	36.8	36.5	36.4	19.4	19.8	19.8	
~ VIGORO V42N7RS**	59.5			1.5	37.3			19.1			
~ VIGORO V44N6RR**	57.2	58.1		2.2	35.3	35.4		18.7	19.6		
EARLY GROUP IV AVERAGE	57.5	56.1	61.7	1.8	36.8	36.4	36.0	18.6	19.5	19.8	
LSD (0.10)	3.0	2.0	2.1	0.3							

**MATURITY GROUP LATE IV (RELATIVE MG 4.6-4.9)**

~ ADLER SEEDS 492RRN*	55.7			2.0	34.7			18.3		
~ ASGROW AG4703	58.8	59.8		1.7	36.0	36.6		18.0	18.7	
~ ASGROW AG4801*	57.1	58.7	62.2	1.6	36.7	36.9	36.9	18.9	19.6	19.6
~ ASGROW AG4903	59.0	60.1		2.0	35.1	35.8		18.6	19.3	
~ CAVERNDALE CF 482 RRn*	58.1			2.0	37.9			18.1		
~ CROPLAN GENETICS RC 4655 RR*	49.8	51.6		1.9	37.4	36.8		17.3	19.1	
~ CROPLAN GENETICS RC 4842 RR**	55.1	55.2	60.2	2.0	37.6	37.5	37.5	18.2	19.0	19.1
~ CROPLAN GENETICS RC 4955 RR*	56.3	56.8		2.1	35.2	35.3		18.7	19.6	
~ CROW'S C4815R**	58.6	58.0	62.1	2.0	37.8	37.7	38.0	17.5	18.4	18.6
~ CROW'S C4817R**	59.0			2.1	34.7			18.3		
~ DEKALB DKB46-51**	57.6	57.4	62.0	2.1	37.7	37.7	37.7	18.0	18.7	18.3
~ DELTA AND PINE LAND DP 4724 RR*	57.8	58.4		2.1	37.3	37.9		18.3	18.9	
~ DELTA AND PINE LAND DP 4919 RR/S	56.1			2.3	38.2			18.3		
~ DELTA KING DK4461	59.4	58.5	64.7	1.9	35.2	35.0	35.3	19.2	20.3	20.1
~ DELTA KING DK4667**	56.5	56.9		2.7	35.3	35.5		18.3	19.2	
~ DELTA KING DK4763*	54.9	57.2	62.1	2.0	37.8	37.5	37.9	18.5	19.1	18.7
~ DELTA KING DK4764**	58.4	57.9		2.2	36.1	36.2		18.2	18.2	
~ DELTA KING DK4866*	57.9	57.9	63.6	2.1	35.9	35.5	35.9	17.9	18.8	19.0
~ DELTA KING DK4967**	56.6	57.9	62.8	2.2	37.3	37.0	37.0	17.9	19.0	19.0
~ DELTA KING DK4968	57.0			2.4	35.6			18.1		
~ DELTA KING DKXTJ750	56.5			2.1	37.6			17.6		
~ DELTAGROW 4840 RR**	54.5	56.3	61.1	2.5	36.6	36.1	36.2	18.6	19.1	19.1
~ DELTAGROW 4860 RR**	58.0			2.0	37.8			18.6		
~ DELTAGROW 4970 RR**	60.3			2.5	36.5			17.9		
~ DYNA-GRO 35Z49**	55.0	57.5		2.1	35.3	35.4		18.4	18.9	
~ DYNA-GRO 38T47**	56.2			2.1	38.4			17.6		
~ EXCEL BRAND 8447NRR*	60.2			1.9	36.4			17.7		
~ EXCEL BRAND 8481NRR*	58.3			2.2	37.0			18.2		
~ EXCEL BRAND 8493NRR*	54.2	56.7		2.1	37.7	37.6		17.3	18.0	
~ GREAT LAKES GL 4709RR**	60.5			1.4	34.3			19.4		
~ GUTWEIN H-4878RR**	59.0	58.0		2.4	37.5	37.9		17.8	18.0	
~ HELENA BRAND SEED 4875**	53.1	56.4	61.6	2.2	36.8	36.1	36.4	17.8	18.5	18.5
~ HORNBECK HBK R4724	56.6	58.4		2.1	36.2	35.8		18.1	18.8	
~ HORNBECK HBK R4924**	57.7			2.3	34.9			18.6		
~ NK BRAND S49-Q9**	60.2	60.3	63.0	2.0	36.1	36.6	36.2	17.8	18.3	18.4
~ NKXR 4669**	61.6			1.9	36.3			18.1		
~ NKXR 4967**	59.5			2.3	36.2			18.3		
~ PIONEER VARIETY 94B73	58.5	57.9	62.8	2.1	37.6	37.0	37.4	18.2	18.8	19.1
~ PIONEER VARIETY 94M80*	56.6	56.0		2.1	37.3	37.6		18.1	18.8	
~ SCHILLINGER SEED 495 RC*	55.9	57.0		2.3	36.8	37.6		17.9	17.9	
~ SEED CONSULTANTS SC 9466RR**	57.6			1.9	36.7			17.9		
~ SOUTHERN CROSS DAN 4.8 N, RR**	55.2	57.3		2.2	36.5	36.2		18.5	19.0	
~ SOUTHERN CROSS ELI 4.7 N, STS, RR	63.5			1.3	34.2			19.6		
~ SOUTHERN STATES RT 4651N**	55.0	55.4		1.8	36.9	36.9		17.0	17.9	
~ SOUTHERN STATES RT 4760N**	58.4			2.3	37.8			18.2		
~ SOUTHERN STATES RT 4777N**	58.5			2.4	36.9			18.7		
~ SOUTHERN STATES RT 4808N**	60.0	60.8		2.0	34.1	34.9		18.4	18.9	
~ SOUTHERN STATES RT 4981N**	55.6	56.7		2.1	35.7	36.1		18.5	19.2	
~ SOUTHERN STATES RT 4996N**	58.0			2.2	36.5			19.0		
~ STEYER 4600 RR SCN**	55.7			2.0	36.2			18.3		
~ STEYER 4700 RR SCN**	60.1	60.6	65.0	1.9	35.7	35.7	35.8	19.2	20.0	20.0
~ STINE 4782-4	63.2			1.3	34.3			19.2		
~ TRISOY 4858RR(CN)*	58.1	58.5		2.0	35.2	35.6		18.2	18.7	
~ UNISOUTH GENETICS USG 7484nRR**	54.3	57.0	62.2	2.1	37.0	36.0	36.1	18.2	18.9	18.9
~ UNISOUTH GENETICS USG 7494nRR**	55.4	57.1	63.1	2.4	36.7	36.8	36.8	18.4	19.2	19.1
~ UNISOUTH GENETICS USG 74A76**	58.5			2.5	35.4			18.8		
~ VIGORO V49N6RR**	60.5	60.8		2.4	36.6	37.2		18.0	18.3	
LATE GROUP IV AVERAGE	57.5	57.7	62.6	2.1	36.4	36.5	36.7	18.3	18.9	19.0
LSD (0.10)	2.8	2.0	2.1	0.2						



**MATURITY GROUP V**

P	ANAND**	59.7	60.2	59.9	2.3	34.7	35.2	35.4	18.6	18.8	18.9
~	DELTA AND PINE LAND DP 5115 RR/S	52.3			2.2	36.9			17.6		
~	DELTA KING DK5066**	55.5	58.4		2.2	37.3	37.7		18.5	18.9	
~	DELTA KING DK5161**	55.4	57.4	58.3	3.7	35.3	35.4	36.0	18.6	19.1	19.1
~	DELTA KING DK52K6**	57.8			2.9	37.6			17.6		
~	DELTA KING DK5366**	52.6	57.5	55.9	3.5	36.3	36.9	37.2	17.1	18.2	17.8
~	DELTA KING DK5368	55.8			3.6	38.2			17.8		
~	DELTA KING DK5567*	56.1	60.5	60.0	3.2	35.7	36.0		17.1	18.0	
~	DELTA KING DK55T6**	55.0	58.4	56.7	3.3	35.3	35.2	35.5	17.5	18.5	18.2
~	DELTA KING DKXTJ703*	53.1			2.5	36.3			17.4		
~	DELTA KING DKXTJ704	53.1			2.1	37.7			17.8		
~	DELTA GROW 5160 RR**	61.1			2.4	37.6			18.1		
~	EXCEL BRAND 8512NRR*	57.6			2.3	36.9			18.1		
~	EXCEL BRAND 8520NRR*	58.7			2.4	37.2			17.2		
~	GUTWEIN H-5053RR**	52.5	55.1	61.0	2.7	36.7	36.9	37.3	17.9	18.6	18.6
~	HORNBECK HBK R5226*	53.6			3.5	37.7			17.2		
P	HUTCHESON	54.3	59.0	58.5	2.7	36.6	36.4	36.2	17.9	18.7	18.7
P	JAKE	56.0			2.5	35.5			17.9		
NS	K03-3821 (high protein)	49.8			2.0	39.9			17.8		
NS	K03-3825 (high protein)	50.8			1.7	37.9			17.5		
NS	KS1642sp (low linolenic acid)	45.7	47.1		3.2	34.0	34.3		18.9	19.4	
NS	KS5003sp (small seeded variety)	46.2	46.5	47.2	3.5	35.8	35.8	35.7	19.1	19.2	19.2
NS	KS5005sp (large seed, high protein)	51.3	52.6	55.2	2.6	37.6	38.0	38.2	17.4	17.9	17.9
~	NKXR 5068*	56.4			2.0	36.9			17.3		
~	PIONEER VARIETY 95M30**	52.5			3.1	36.2			16.7		
~	SOUTHERN CROSS DAMASCUS 5.0 N, RR	58.7			2.4	37.3			18.4		
~	SOUTHERN STATES RT 5130N**	50.5	55.0	55.5	2.8	37.5	37.7	37.8	17.3	18.1	17.8
~	SOUTHERN STATES RT 5160N*	55.5			2.8	35.5			18.1		
~	SOUTHERN STATES RT 5540N**	54.5	56.7	58.4	2.7	36.8	36.5	36.8	18.0	18.9	18.7
P	TEEJAY	57.4	60.1	61.5	2.3	35.5	36.0	35.9	17.7	18.5	18.5
~	TRISOY 5060RR(CN)*	55.2			2.3	37.6			17.6		
	UNISOUTH GENETICS USG 5002T	60.5	63.9	64.0	2.7	36.0	36.1	35.7	18.3	19.1	19.2
	UNISOUTH GENETICS USG 5601T	61.3	64.0	66.2	2.6	37.9	38.0	37.7	16.7	17.6	17.8
~	UNISOUTH GENETICS USG 56124	54.5			2.7	37.2			17.1		
~	UNISOUTH GENETICS USG 56293	56.3			2.9	37.1			17.0		
~	UNISOUTH GENETICS USG 56379	61.2			2.5	36.5			16.7		
~	UNISOUTH GENETICS USG 7515nRS**	54.6			2.4	37.7			18.0		
~	UNISOUTH GENETICS USG 75J32**	57.5	59.4	60.7	2.3	36.5	36.1	36.2	17.8	18.4	18.2
~	UNISOUTH GENETICS USG 75M16	54.5			2.5	35.0			17.9		
~	UNISOUTH GENETICS USG ALLEN	58.9			2.6	36.6			16.8		
~	VIGORO V50N5RR**	56.2	57.8	61.3	2.5	37.9	37.4	37.3	18.0	18.6	18.8
~	VIGORO V50N7RS**	57.7			2.3	37.3			18.7		
	GROUP V AVERAGE	55.2	57.2	58.8	2.6	36.8	36.4	36.6	17.7	18.6	18.5
	LSD (0.10)	2.5	1.9	2.0	0.2						
	GRAND MEAN	56.3	55.7	59.9	2.1	36.9	37.0	36.7	18.4	19.3	19.0

~ 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 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.

B 2006 variety protein and oil concentration was determined at the Hancock Co. location (all test locations for NS entries) and expressed on the basis of 13% moisture. 2005 protein-oil data are from Caldwell Co. and 2004 protein-oil data are from Fayette Co.. These data were provided by the Iowa State University Grain Quality Analysis Services using near-infrared (NIR) analysis.

TABLE 4. 2006 SUMMARY: VARIETY TEST TABLES 5-9

SORTED BY 05-06 YIELD

BRAND -- VARIETY	YIELD (BU/AC) <sup>A</sup>			LODGING	% PROTEIN <sup>B</sup>			% OIL <sup>B</sup>			
	2006	05-06	04-06		2006	05-06	04-06	2006	05-06	04-06	
	sort										
<b>MATURITY GROUP II-III (RELATIVE MG 2.7-3.9)</b>											
~ ASGROW AG3905*	62.6	59.3	62.9	1.7	36.9	36.4	36.6	18.5	19.2	19.1	
~ ASGROW AG3906*	59.5	57.3		1.8	36.9	36.6		19.5	20.0		
~ SOUTHERN CROSS STEPHEN 3.8 N, RR*	59.7	56.9	61.3	1.5	37.7	36.9	36.8	19.8	20.4	19.9	
~ PIONEER VARIETY 93M90*	59.0	55.6	61.1	1.5	36.9	36.4	36.7	18.9	19.0	18.8	
~ EBBERTS 1385RR	57.5	55.5	61.3	1.9	37.3	36.9	37.2	19.4	20.1	19.9	
~ VIGORO V38N5RS**	59.2	55.1	60.6	1.6	35.7	35.5	35.8	18.4	19.2	19.0	
~ UNISOUTH GENETICS USG 7393nRR**	55.9	55.1		1.5	38.2	37.2		19.5	20.3		
~ DELTA KING DK3968**	58.4	55.0	60.2	1.3	37.4	36.5	36.3	19.2	20.0	19.6	
~ VIGORO V36N5RR**	59.2	54.6		2.2	40.2	39.2		16.8	17.6		
~ HELENA BRAND SEED 3975**	57.4	54.6		1.7	36.8	37.0		18.5	19.0		
~ SEED CONSULTANTS SC 9396RR**	58.9	54.5		1.7	35.5	35.7		19.0	19.5		
~ SOUTHERN STATES RT 3851N**	56.9	54.0		1.7	36.2	36.2		18.7	19.5		
~ DEKALB DKB36-52*	59.7	54.0	58.5	1.5	38.4	38.3	39.1	17.5	18.1	17.7	
~ NK BRAND S37-N4**	57.9	53.9	58.8	2.2	37.3	37.1	37.7	18.1	18.7	18.6	
~ STINE 3832-4**	56.3	53.5		1.9	38.0	37.5		19.3	19.8		
~ DELTA AND PINE LAND DP 3861 RR*	56.0	53.2	58.2	1.8	37.4	36.7	37.0	18.7	19.2	18.8	
~ SEED CONSULTANTS SC 9386A RR*	56.9	53.1		1.9	36.7	36.8		18.4	19.2		
~ GUTWEIN H-3606RR*	57.7	52.9		1.9	39.2	37.8		17.6	18.6		
~ EBBERTS 1365RR**	54.1	52.3	59.6	2.2	40.1	39.3	39.4	17.0	17.7	17.5	
~ SOUTHERN STATES RT 3951N*	56.3	51.4		2.0	37.2	36.8		19.1	19.8		
~ HELENA BRAND SEED 3676**	55.5	50.5		2.1	38.1	37.4		18.9	19.7		
~ DELTA KING DK3967**	53.2	49.9		2.1	37.1	36.6		18.8	19.6		
~ CROPLAN GENETICS RC 3935 RR**	52.9	49.6		1.8	37.6	37.1		18.7	19.5		
NS IA3022 (large seed, high protein)	45.3	42.4	46.9	2.4	39.4	39.2	39.6	18.7	18.8	18.3	
P IA 3023	46.8	41.7	48.8	1.7	35.9	35.3	35.4	19.4	20.1	19.8	
NS IA3006PR (high protein, phytophthora resistance)	40.3	35.6		2.0	38.8	38.9		19.4	19.4		
NS IA3021 (large seed, high protein)	38.1	34.0	40.9	1.6	39.1	38.8	39.4	19.4	19.6	19.0	
~ ASGROW AG3705*	61.1			1.4	36.1			18.9			
~ EXCEL BRAND 8396RR/STS	60.4			2.1	36.9			19.0			
~ EBBERTS 1386RR**	59.5			2.0	37.1			19.2			
NS STEWART SEEDS SIG M40111	58.6			1.6	38.0			18.9			
~ SOUTHERN STATES RT 3860	58.5			1.4	36.0			19.2			
~ SEED CONSULTANTS SC 9386RR**	57.6			2.0	38.8			19.1			
~ SOUTHERN STATES RT 3760N*	57.3			1.7	36.3			18.7			
~ DELTA AND PINE LAND DPX3994RR*	57.1			1.8	37.0			18.3			
~ EBBERTS 1397RR**	56.5			2.1	36.1			19.0			
~ SEED CONSULTANTS SC 9387RR*	56.3			1.2	37.7			18.6			
~ DELTA KING DKXTJ39T6	56.3			1.6	36.6			18.6			
~ DELTAGROW 3950 RR*	56.1			1.8	38.7			19.0			
~ STEYER 3630 RR SCN**	56.0			1.3	36.1			19.5			
~ NKXR 3669	55.9			1.5	37.8			17.7			
~ DYNA-GRO 32C38**	55.6			1.3	36.0			18.1			
NS DIENER SEEDS D293	54.9			1.6	36.7			18.7			
~ HORNBECK HBK R3824	54.5			2.4	36.0			18.8			
~ CYST TECH RR0031CTA	53.5			1.6	38.2			18.6			
~ DELTA KING DK3964**	53.4			2.2	37.1			18.7			
NS DIENER SEEDS D300	52.8			1.3	36.2			18.8			
~ PIONEER VARIETY 93M42**	52.8			1.6	38.3			18.2			
NS STEWART SEEDS SIG M40619	51.7			2.1	35.6			20.1			
~ SOUTHERN CROSS GOSHEN 2.9 N, RR	49.6			1.6	39.7			19.1			
~ SOUTHERN STATES RT 2800	45.2			1.7	38.6			19.6			
~ LG C2777NRR	43.6			2.3	40.3			18.2			
NS IA3027 (large seed, high protein)	35.8			1.8	39.2			18.9			
GROUP III AVERAGE	54.7	51.7	56.8	1.8	37.5	37.2	37.5	18.8	19.3	18.9	
LSD (0.10)	3.7	2.2	1.8	0.3							

**MATURITY GROUP EARLY IV (RELATIVE MG 4.0-4.5)**

~ GUTWEIN H-4534RR**	62.2	59.9		1.9	35.7	35.4		19.2	20.2	
~ SOUTHERN STATES RT 4451N**	56.7	59.7		2.1	35.9	35.7		18.3	19.3	
~ SOUTHERN STATES RT 4551N	57.5	59.0		2.0	38.5	38.1		18.2	18.5	
~ DYNA-GRO DG3443NRR**	57.2	58.9	63.1	1.8	35.4	35.0	35.2	19.1	20.3	20.2
~ DELTA AND PINE LAND DP 4331 RR*	59.3	58.4	63.7	1.7	35.3	35.0	35.4	18.9	20.2	20.1
~ HELENA BRAND SEED 4375**	60.0	58.3	65.2	1.4	36.0	35.8	36.0	18.6	19.6	19.7
~ BECK 444NRR**	57.9	58.2		2.2	36.0	35.7		18.7	19.6	
~ VIGORO V44N6RR**	57.2	58.1		2.2	35.3	35.4		18.7	19.6	
~ CROPLAN GENETICS RC 4455 RR**	58.3	57.9		2.0	35.9	35.7		18.6	19.5	
~ ASGROW AG4404*	59.8	57.7		1.9	36.7	37.3		18.6	18.9	
~ ASGROW AG4403*	56.8	57.4	62.3	1.8	35.4	35.1	35.5	19.0	20.2	20.0
~ PIONEER VARIETY 94M50*	60.3	57.4		1.8	37.5	37.5		18.7	19.5	
~ SOUTHERN STATES RT 4440N**	57.7	57.2	57.5	1.8	35.3	35.3	35.2	19.1	20.2	20.2
~ EXCEL BRAND 8427NRR/STS	59.1	56.5		1.3	36.4	36.5		19.2	19.4	
~ SEED CONSULTANTS SC 9456RR**	57.1	56.2		2.2	36.1	36.4		18.3	19.1	
~ NK BRAND S43-B1**	57.9	56.1	60.4	1.8	37.4	36.5	36.6	18.1	18.8	18.8
~ SOUTHERN CROSS MOAB 4.5 N, RR**	56.0	56.0		2.1	36.3	36.0		18.2	19.1	
~ DYNA-GRO 37A44**	53.7	55.8		2.2	35.8	35.9		18.7	19.2	
~ SOUTHERN CROSS MICHAEL 4.2 N, RR, STS**	57.7	55.3	61.3	1.4	37.2	37.0	36.8	19.0	19.5	19.6
~ VIGORO V42N3RR**	58.4	55.2	62.7	1.3	36.8	36.5	36.4	19.4	19.8	19.8
~ PIONEER VARIETY 94M30*	58.4	55.0		2.0	40.1	38.8		17.9	18.9	
~ SOUTHERN STATES RT 4151N**	53.4	54.4		1.7	38.0	36.9		18.7	19.7	
~ SEED CONSULTANTS SC 9436RR*	55.1	54.1		1.7	37.3	36.5		18.5	19.3	
~ SEED CONSULTANTS SC 9415RR**	53.7	53.0	59.3	1.1	38.0	36.5	36.8	19.0	20.0	19.8
~ SEED CONSULTANTS SC 9406RR*	54.1	50.5		1.8	37.5	36.6		18.2	19.2	
NS IA4003 (large seed, high protein)	48.5	43.9		2.0	40.4	40.1		18.0	18.1	
~ STINE 4402-4**	63.8			1.5	36.9			19.1		
~ DELTAGROW 4150 RR*	61.3			1.9	37.3			18.0		
~ GREAT LAKES GL 4129RR**	61.3			1.9	37.2			18.5		
~ CAVERNDALE CF 422 RR/STSn**	60.8			1.6	35.9			19.4		
~ DEKALB DKB42-51*	60.8			1.8	35.7			18.3		
~ BECK 422NRR**	60.5			1.5	37.1			19.2		
~ ADLER SEEDS 432RRN*	59.7			1.9	36.8			18.6		
~ ASGROW AG4103*	59.6			1.8	36.2			18.6		
~ VIGORO V42N7RS**	59.5			1.5	37.3			19.1		
~ DELTA KING DKXTJ744	59.4			1.7	36.3			19.1		
~ PIONEER VARIETY 94M31*	59.1			1.7	38.4			18.1		
~ EXCEL BRAND 8450NRR*	58.7			1.8	37.1			18.1		
~ SEED CONSULTANTS SC 9442RR**	58.2			2.0	35.6			19.2		
~ DELTAGROW 4460 RR**	57.8			2.3	36.3			18.5		
NS DIENER SEEDS D400S	57.7			2.1	36.3			19.6		
~ GREAT LAKES GL 4419RR**	56.6			2.2	36.0			18.5		
~ CROW'S C4444R**	56.4			2.0	36.4			18.2		
~ CYST TECH RREX40CTA	55.5			1.7	37.2			18.8		
~ STEYER 4420 RR SCN**	53.8			2.2	36.5			18.4		
~ CROPLAN GENETICS RC 4095 RR*	52.1			1.6	36.9			18.6		
~ DELTA AND PINE LAND DP 4112 RR/S	50.9			2.1	38.0			17.5		
~ DELTA AND PINE LAND DP 4546 RR	50.4			2.4	37.3			18.1		
EARLY GROUP IV AVERAGE	57.5	56.1	61.7	1.8	36.8	36.4	36.0	18.6	19.5	19.8
LSD (0.10)	3.0	2.0	2.1	0.3						

**MATURITY GROUP LATE IV (RELATIVE MG 4.6-4.9)**

~ SOUTHERN STATES RT 4808N**	60.0	60.8		2.0	34.1	34.9		18.4	18.9	
~ VIGORO V49N6RR**	60.5	60.8		2.4	36.6	37.2		18.0	18.3	
~ STEYER 4700 RR SCN**	60.1	60.6	65.0	1.9	35.7	35.7	35.8	19.2	20.0	20.0
~ NK BRAND S49-Q9**	60.2	60.3	63.0	2.0	36.1	36.6	36.2	17.8	18.3	18.4
~ ASGROW AG4903	59.0	60.1		2.0	35.1	35.8		18.6	19.3	
~ ASGROW AG4703	58.8	59.8		1.7	36.0	36.6		18.0	18.7	
~ ASGROW AG4801*	57.1	58.7	62.2	1.6	36.7	36.9	36.9	18.9	19.6	19.6
~ DELTA KING DK4461	59.4	58.5	64.7	1.9	35.2	35.0	35.3	19.2	20.3	20.1
~ TRISOY 4858RR(CN)*	58.1	58.5		2.0	35.2	35.6		18.2	18.7	
~ DELTA AND PINE LAND DP 4724 RR*	57.8	58.4		2.1	37.3	37.9		18.3	18.9	
~ HORNBECK HBK R4724	56.6	58.4		2.1	36.2	35.8		18.1	18.8	
~ CROW'S C4815R**	58.6	58.0	62.1	2.0	37.8	37.7	38.0	17.5	18.4	18.6
~ GUTWEIN H-4878RR**	59.0	58.0		2.4	37.5	37.9		17.8	18.0	
~ DELTA KING DK4764**	58.4	57.9		2.2	36.1	36.2		18.2	18.2	
~ DELTA KING DK4967**	56.6	57.9	62.8	2.2	37.3	37.0	37.0	17.9	19.0	19.0
~ PIONEER VARIETY 94B73	58.5	57.9	62.8	2.1	37.6	37.0	37.4	18.2	18.8	19.1
~ DELTA KING DK4866*	57.9	57.9	63.6	2.1	35.9	35.5	35.9	17.9	18.8	19.0
~ DYNA-GRO 35Z49**	55.0	57.5		2.1	35.3	35.4		18.4	18.9	
~ DEKALB DKB46-51**	57.6	57.4	62.0	2.1	37.7	37.7	37.7	18.0	18.7	18.3
~ SOUTHERN CROSS DAN 4.8 N, RR**	55.2	57.3		2.2	36.5	36.2		18.5	19.0	
~ DELTA KING DK4763*	54.9	57.2	62.1	2.0	37.8	37.5	37.9	18.5	19.1	18.7
~ UNISOUTH GENETICS USG 7494nRR**	55.4	57.1	63.1	2.4	36.7	36.8	36.8	18.4	19.2	19.1
~ SCHILLINGER SEED 495 RC*	55.9	57.0		2.3	36.8	37.6		17.9	17.9	
~ UNISOUTH GENETICS USG 7484nRR**	54.3	57.0	62.2	2.1	37.0	36.0	36.1	18.2	18.9	18.9
~ DELTA KING DK4667**	56.5	56.9		2.7	35.3	35.5		18.3	19.2	
~ CROPLAN GENETICS RC 4955 RR*	56.3	56.8		2.1	35.2	35.3		18.7	19.6	
~ SOUTHERN STATES RT 4981N**	55.6	56.7		2.1	35.7	36.1		18.5	19.2	
~ EXCEL BRAND 8493NRR*	54.2	56.7		2.1	37.7	37.6		17.3	18.0	
~ HELENA BRAND SEED 4875**	53.1	56.4	61.6	2.2	36.8	36.1	36.4	17.8	18.5	18.5
~ DELTAGROW 4840 RR**	54.5	56.3	61.1	2.5	36.6	36.1	36.2	18.6	19.1	19.1
~ PIONEER VARIETY 94M80*	56.6	56.0		2.1	37.3	37.6		18.1	18.8	
~ SOUTHERN STATES RT 4651N**	55.0	55.4		1.8	36.9	36.9		17.0	17.9	
~ CROPLAN GENETICS RC 4842 RR**	55.1	55.2	60.2	2.0	37.6	37.5	37.5	18.2	19.0	19.1
~ CROPLAN GENETICS RC 4655 RR*	49.8	51.6		1.9	37.4	36.8		17.3	19.1	
~ SOUTHERN CROSS ELI 4.7 N, STS, RR		63.5		1.3	34.2			19.6		
~ STINE 4782-4		63.2		1.3	34.3			19.2		
~ NKXR 4669**		61.6		1.9	36.3			18.1		
~ GREAT LAKES GL 4709RR**	60.5			1.4	34.3			19.4		
~ DELTAGROW 4970 RR**	60.3			2.5	36.5			17.9		
~ EXCEL BRAND 8447NRR*	60.2			1.9	36.4			17.7		
~ NKXR 4967**	59.5			2.3	36.2			18.3		
~ CROW'S C4817R**	59.0			2.1	34.7			18.3		
~ UNISOUTH GENETICS USG 74A76**	58.5			2.5	35.4			18.8		
~ SOUTHERN STATES RT 4777N**	58.5			2.4	36.9			18.7		
~ SOUTHERN STATES RT 4760N**	58.4			2.3	37.8			18.2		
~ EXCEL BRAND 8481NRR*	58.3			2.2	37.0			18.2		
~ CAVERNDALE CF 482 RRn*	58.1			2.0	37.9			18.1		
~ DELTAGROW 4860 RR**	58.0			2.0	37.8			18.6		
~ SOUTHERN STATES RT 4996N**	58.0			2.2	36.5			19.0		
~ HORNBECK HBK R4924**	57.7			2.3	34.9			18.6		
~ SEED CONSULTANTS SC 9466RR**	57.6			1.9	36.7			17.9		
~ DELTA KING DK4968	57.0			2.4	35.6			18.1		
~ DELTA KING DKXTJ750	56.5			2.1	37.6			17.6		
~ DYNA-GRO 38T47**	56.2			2.1	38.4			17.6		
~ DELTA AND PINE LAND DP 4919 RR/S	56.1			2.3	38.2			18.3		
~ ADLER SEEDS 492RRN*	55.7			2.0	34.7			18.3		
~ STEYER 4600 RR SCN**	55.7			2.0	36.2			18.3		
LATE GROUP IV AVERAGE	57.5	57.7	62.6	2.1	36.4	36.5	36.7	18.3	18.9	19.0
LSD (0.10)	2.8	2.0	2.1	0.2						

**MATURITY GROUP V**

	UNISOUTH GENETICS USG 5601T	<b>61.3</b>	<b>64.0</b>	<b>66.2</b>	2.6	37.9	38.0	37.7	16.7	17.6	17.8
	UNISOUTH GENETICS USG 5002T	<b>60.5</b>	<b>63.9</b>	64.0	2.7	36.0	36.1	35.7	18.3	19.1	19.2
~	DELTA KING DK5567*	56.1	<b>60.5</b>	60.0	3.2	35.7	36.0		17.1	18.0	
P	ANAND**	<b>59.7</b>	<b>60.2</b>	59.9	2.3	34.7	35.2	35.4	18.6	18.8	18.9
P	TEEJAY	57.4	<b>60.1</b>	61.5	2.3	35.5	36.0	35.9	17.7	18.5	18.5
~	UNISOUTH GENETICS USG 75J32**	57.5	<b>59.4</b>	60.7	2.3	36.5	36.1	36.2	17.8	18.4	18.2
P	HUTCHESON	54.3	<b>59.0</b>	58.5	2.7	36.6	36.4	36.2	17.9	18.7	18.7
~	DELTA KING DK5066**	55.5	<b>58.4</b>		2.2	37.3	37.7		18.5	18.9	
~	DELTA KING DK55T6**	55.0	<b>58.4</b>	56.7	3.3	35.3	35.2	35.5	17.5	18.5	18.2
~	VIGORO V50N5RR**	56.2	<b>57.8</b>	61.3	2.5	37.9	37.4	37.3	18.0	18.6	18.8
~	DELTA KING DK5366**	52.6	<b>57.5</b>	55.9	3.5	36.3	36.9	37.2	17.1	18.2	17.8
~	DELTA KING DK5161**	55.4	<b>57.4</b>	58.3	3.7	35.3	35.4	36.0	18.6	19.1	19.1
~	SOUTHERN STATES RT 5540N**	54.5	<b>56.7</b>	58.4	2.7	36.8	36.5	36.8	18.0	18.9	18.7
~	GUTWEIN H-5053RR**	52.5	<b>55.1</b>	61.0	2.7	36.7	36.9	37.3	17.9	18.6	18.6
~	SOUTHERN STATES RT 5130N**	50.5	<b>55.0</b>	55.5	2.8	37.5	37.7	37.8	17.3	18.1	17.8
NS	KS5005sp (large seed, high protein)	51.3	<b>52.6</b>	55.2	2.6	37.6	38.0	38.2	17.4	17.9	17.9
NS	KS1642sp (low linolenic acid)	45.7	<b>47.1</b>		3.2	34.0	34.3		18.9	19.4	
NS	KS5003sp (small seeded variety)	46.2	<b>46.5</b>	47.2	3.5	35.8	35.8	35.7	19.1	19.2	19.2
~	UNISOUTH GENETICS USG 56379	<b>61.2</b>			2.5	36.5			16.7		
~	DELTA GROW 5160 RR**	<b>61.1</b>			2.4	37.6			18.1		
~	UNISOUTH GENETICS USG ALLEN	<b>58.9</b>			2.6	36.6			16.8		
~	SOUTHERN CROSS DAMASCUS 5.0 N, RR	58.7			2.4	37.3			18.4		
~	EXCEL BRAND 8520NRR*	58.7			2.4	37.2			17.2		
~	DELTA KING DK52K6**	57.8			2.9	37.6			17.6		
~	VIGORO V50N7RS**	57.7			2.3	37.3			18.7		
~	EXCEL BRAND 8512NRR*	57.6			2.3	36.9			18.1		
~	NKXR 5068*	56.4			2.0	36.9			17.3		
~	UNISOUTH GENETICS USG 56293	56.3			2.9	37.1			17.0		
P	JAKE	56.0			2.5	35.5			17.9		
~	DELTA KING DK5368	55.8			3.6	38.2			17.8		
~	SOUTHERN STATES RT 5160N*	55.5			2.8	35.5			18.1		
~	TRISOY 5060RR(CN)*	55.2			2.3	37.6			17.6		
~	UNISOUTH GENETICS USG 7515nRS**	54.6			2.4	37.7			18.0		
~	UNISOUTH GENETICS USG 56124	54.5			2.7	37.2			17.1		
~	UNISOUTH GENETICS USG 75M16	54.5			2.5	35.0			17.9		
~	HORNBECK HBK R5226*	53.6			3.5	37.7			17.2		
~	DELTA KING DKXTJ703*	53.1			2.5	36.3			17.4		
~	DELTA KING DKXTJ704	53.1			2.1	37.7			17.8		
~	PIONEER VARIETY 95M30**	52.5			3.1	36.2			16.7		
~	DELTA AND PINE LAND DP 5115 RR/S	52.3			2.2	36.9			17.6		
NS	K03-3825 (high protein)	50.8			1.7	37.9			17.5		
NS	K03-3821 (high protein)	49.8			2.0	39.9			17.8		
	GROUP V AVERAGE	55.2	<b>57.2</b>	58.8	2.6	36.8	36.4	36.6	17.7	18.6	18.5
	LSD (0.10)	2.5	<b>1.9</b>	2.0	0.2						
	GRAND MEAN	56.3	<b>55.7</b>	59.9	2.1	36.9	37.0	36.7	18.4	19.3	19.0

~ 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 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.

B 2006 variety protein and oil concentration was determined at the Hancock Co. location (all test locations for NS entries) and expressed on the basis of 13% moisture. 2005 protein-oil data are from Caldwell Co. and 2004 protein-oil data are from Fayette Co.. These data were provided by the Iowa State University Grain Quality Analysis Services using near-infrared (NIR) analysis.

TABLE 4. 2006 SUMMARY: VARIETY TEST TABLES 5-9

SORTED BY 04-06 YIELD

BRAND -- VARIETY	YIELD (BU/AC) <sup>A</sup>			LODGING	% PROTEIN <sup>B</sup>			% OIL <sup>B</sup>		
	2006	05-06	04-06		2006	05-06	04-06	2006	05-06	04-06
	sort									
<b>MATURITY GROUP II-III (RELATIVE MG 2.7-3.9)</b>										
~ ASGROW AG3905*	62.6	59.3	62.9	1.7	36.9	36.4	36.6	18.5	19.2	19.1
~ EBBERTS 1385RR	57.5	55.5	61.3	1.9	37.3	36.9	37.2	19.4	20.1	19.9
~ SOUTHERN CROSS STEPHEN 3.8 N, RR*	59.7	56.9	61.3	1.5	37.7	36.9	36.8	19.8	20.4	19.9
~ PIONEER VARIETY 93M90*	59.0	55.6	61.1	1.5	36.9	36.4	36.7	18.9	19.0	18.8
~ VIGORO V38N5RS**	59.2	55.1	60.6	1.6	35.7	35.5	35.8	18.4	19.2	19.0
~ DELTA KING DK3968**	58.4	55.0	60.2	1.3	37.4	36.5	36.3	19.2	20.0	19.6
~ EBBERTS 1365RR**	54.1	52.3	59.6	2.2	40.1	39.3	39.4	17.0	17.7	17.5
~ NK BRAND S37-N4**	57.9	53.9	58.8	2.2	37.3	37.1	37.7	18.1	18.7	18.6
~ DEKALB DKB36-52*	59.7	54.0	58.5	1.5	38.4	38.3	39.1	17.5	18.1	17.7
~ DELTA AND PINE LAND DP 3861 RR*	56.0	53.2	58.2	1.8	37.4	36.7	37.0	18.7	19.2	18.8
P IA 3023	46.8	41.7	48.8	1.7	35.9	35.3	35.4	19.4	20.1	19.8
NS IA3022 (large seed, high protein)	45.3	42.4	46.9	2.4	39.4	39.2	39.6	18.7	18.8	18.3
NS IA3021 (large seed, high protein)	38.1	34.0	40.9	1.6	39.1	38.8	39.4	19.4	19.6	19.0
~ ASGROW AG3705*	61.1			1.4	36.1			18.9		
~ EXCEL BRAND 8396RR/STS	60.4			2.1	36.9			19.0		
~ EBBERTS 1386RR**	59.5			2.0	37.1			19.2		
~ ASGROW AG3906*	59.5	57.3		1.8	36.9	36.6		19.5	20.0	
~ VIGORO V36N5RR**	59.2	54.6		2.2	40.2	39.2		16.8	17.6	
~ SEED CONSULTANTS SC 9396RR**	58.9	54.5		1.7	35.5	35.7		19.0	19.5	
NS STEWART SEEDS SIG M40111	58.6			1.6	38.0			18.9		
~ SOUTHERN STATES RT 3860	58.5			1.4	36.0			19.2		
~ GUTWEIN H-3606RR*	57.7	52.9		1.9	39.2	37.8		17.6	18.6	
~ SEED CONSULTANTS SC 9386RR**	57.6			2.0	38.8			19.1		
~ HELENA BRAND SEED 3975**	57.4	54.6		1.7	36.8	37.0		18.5	19.0	
~ SOUTHERN STATES RT 3760N*	57.3			1.7	36.3			18.7		
~ DELTA AND PINE LAND DPX3994RR*	57.1			1.8	37.0			18.3		
~ SEED CONSULTANTS SC 9386A RR*	56.9	53.1		1.9	36.7	36.8		18.4	19.2	
~ SOUTHERN STATES RT 3851N**	56.9	54.0		1.7	36.2	36.2		18.7	19.5	
~ EBBERTS 1397RR**	56.5			2.1	36.1			19.0		
~ SEED CONSULTANTS SC 9387RR*	56.3			1.2	37.7			18.6		
~ STINE 3832-4**	56.3	53.5		1.9	38.0	37.5		19.3	19.8	
~ DELTA KING DKXTJ39T6	56.3			1.6	36.6			18.6		
~ SOUTHERN STATES RT 3951N*	56.3	51.4		2.0	37.2	36.8		19.1	19.8	
~ DELTAGROW 3950 RR*	56.1			1.8	38.7			19.0		
~ STEYER 3630 RR SCN**	56.0			1.3	36.1			19.5		
~ UNISOUTH GENETICS USG 7393nRR**	55.9	55.1		1.5	38.2	37.2		19.5	20.3	
~ NKXR 3669	55.9			1.5	37.8			17.7		
~ DYNA-GRO 32C38**	55.6			1.3	36.0			18.1		
~ HELENA BRAND SEED 3676**	55.5	50.5		2.1	38.1	37.4		18.9	19.7	
NS DIENER SEEDS D293	54.9			1.6	36.7			18.7		
~ HORNBECK HBK R3824	54.5			2.4	36.0			18.8		
~ CYST TECH RR0031CTA	53.5			1.6	38.2			18.6		
~ DELTA KING DK3964**	53.4			2.2	37.1			18.7		
~ DELTA KING DK3967**	53.2	49.9		2.1	37.1	36.6		18.8	19.6	
~ CROPLAN GENETICS RC 3935 RR**	52.9	49.6		1.8	37.6	37.1		18.7	19.5	
NS DIENER SEEDS D300	52.8			1.3	36.2			18.8		
~ PIONEER VARIETY 93M42**	52.8			1.6	38.3			18.2		
NS STEWART SEEDS SIG M40619	51.7			2.1	35.6			20.1		
~ SOUTHERN CROSS GOSHEN 2.9 N, RR	49.6			1.6	39.7			19.1		
~ SOUTHERN STATES RT 2800	45.2			1.7	38.6			19.6		
~ LG C2777NRR	43.6			2.3	40.3			18.2		
NS IA3006PR (high protein, phytophthora resistance)	40.3	35.6		2.0	38.8	38.9		19.4	19.4	
NS IA3027 (large seed, high protein)	35.8			1.8	39.2			18.9		
GROUP III AVERAGE	54.7	51.7	56.8	1.8	37.5	37.2	37.5	18.8	19.3	18.9
LSD (0.10)	3.7	2.2	1.8	0.3						

**MATURITY GROUP EARLY IV (RELATIVE MG 4.0-4.5)**

~ HELENA BRAND SEED 4375**	60.0	58.3	65.2	1.4	36.0	35.8	36.0	18.6	19.6	19.7
~ DELTA AND PINE LAND DP 4331 RR*	59.3	58.4	63.7	1.7	35.3	35.0	35.4	18.9	20.2	20.1
~ DYNA-GRO DG3443NRR**	57.2	58.9	63.1	1.8	35.4	35.0	35.2	19.1	20.3	20.2
~ VIGORO V42N3RR**	58.4	55.2	62.7	1.3	36.8	36.5	36.4	19.4	19.8	19.8
~ ASGROW AG4403*	56.8	57.4	62.3	1.8	35.4	35.1	35.5	19.0	20.2	20.0
~ SOUTHERN CROSS MICHAEL 4.2 N, RR, STS**	57.7	55.3	61.3	1.4	37.2	37.0	36.8	19.0	19.5	19.6
~ NK BRAND S43-B1**	57.9	56.1	60.4	1.8	37.4	36.5	36.6	18.1	18.8	18.8
~ SEED CONSULTANTS SC 9415RR**	53.7	53.0	59.3	1.1	38.0	36.5	36.8	19.0	20.0	19.8
~ SOUTHERN STATES RT 4440N**	57.7	57.2	57.5	1.8	35.3	35.3	35.2	19.1	20.2	20.2
~ STINE 4402-4**	63.8			1.5	36.9			19.1		
~ GUTWEIN H-4534RR**	62.2	59.9		1.9	35.7	35.4		19.2	20.2	
~ DELTAGROW 4150 RR*	61.3			1.9	37.3			18.0		
~ GREAT LAKES GL 4129RR**	61.3			1.9	37.2			18.5		
~ CAVERNDAL CF 422 RR/STSn**	60.8			1.6	35.9			19.4		
~ DEKALB DKB42-51*	60.8			1.8	35.7			18.3		
BECK 422NRR**	60.5			1.5	37.1			19.2		
~ PIONEER VARIETY 94M50*	60.3	57.4		1.8	37.5	37.5		18.7	19.5	
~ ASGROW AG4404*	59.8	57.7		1.9	36.7	37.3		18.6	18.9	
~ ADLER SEEDS 432RRN*	59.7			1.9	36.8			18.6		
~ ASGROW AG4103*	59.6			1.8	36.2			18.6		
~ VIGORO V42N7RS**	59.5			1.5	37.3			19.1		
~ DELTA KING DKXTJ744	59.4			1.7	36.3			19.1		
~ PIONEER VARIETY 94M31*	59.1			1.7	38.4			18.1		
~ EXCEL BRAND 8427NRR/STS	59.1	56.5		1.3	36.4	36.5		19.2	19.4	
~ EXCEL BRAND 8450NRR*	58.7			1.8	37.1			18.1		
~ PIONEER VARIETY 94M30*	58.4	55.0		2.0	40.1	38.8		17.9	18.9	
~ CROPLAN GENETICS RC 4455 RR**	58.3	57.9		2.0	35.9	35.7		18.6	19.5	
~ SEED CONSULTANTS SC 9442RR**	58.2			2.0	35.6			19.2		
~ BECK 444NRR**	57.9	58.2		2.2	36.0	35.7		18.7	19.6	
~ DELTAGROW 4460 RR**	57.8			2.3	36.3			18.5		
NS DIENER SEEDS D400S	57.7			2.1	36.3			19.6		
~ SOUTHERN STATES RT 4551N	57.5	59.0		2.0	38.5	38.1		18.2	18.5	
~ VIGORO V44N6RR**	57.2	58.1		2.2	35.3	35.4		18.7	19.6	
~ SEED CONSULTANTS SC 9456RR**	57.1	56.2		2.2	36.1	36.4		18.3	19.1	
~ SOUTHERN STATES RT 4451N**	56.7	59.7		2.1	35.9	35.7		18.3	19.3	
~ GREAT LAKES GL 4419RR**	56.6			2.2	36.0			18.5		
~ CROW'S C4444R**	56.4			2.0	36.4			18.2		
~ SOUTHERN CROSS MOAB 4.5 N, RR**	56.0	56.0		2.1	36.3	36.0		18.2	19.1	
~ CYST TECH RREX40CTA	55.5			1.7	37.2			18.8		
~ SEED CONSULTANTS SC 9436RR*	55.1	54.1		1.7	37.3	36.5		18.5	19.3	
~ SEED CONSULTANTS SC 9406RR*	54.1	50.5		1.8	37.5	36.6		18.2	19.2	
~ STEYER 4420 RR SCN**	53.8			2.2	36.5			18.4		
~ DYNA-GRO 37A44**	53.7	55.8		2.2	35.8	35.9		18.7	19.2	
~ SOUTHERN STATES RT 4151N**	53.4	54.4		1.7	38.0	36.9		18.7	19.7	
~ CROPLAN GENETICS RC 4095 RR*	52.1			1.6	36.9			18.6		
~ DELTA AND PINE LAND DP 4112 RR/S	50.9			2.1	38.0			17.5		
~ DELTA AND PINE LAND DP 4546 RR	50.4			2.4	37.3			18.1		
NS IA4003 (large seed, high protein)	48.5	43.9		2.0	40.4	40.1		18.0	18.1	
EARLY GROUP IV AVERAGE	57.5	56.1	61.7	1.8	36.8	36.4	36.0	18.6	19.5	19.8
LSD (0.10)	3.0	2.0	2.1	0.3						

**MATURITY GROUP LATE IV (RELATIVE MG 4.6-4.9)**

~ STEYER 4700 RR SCN**	60.1	60.6	65.0	1.9	35.7	35.7	35.8	19.2	20.0	20.0
~ DELTA KING DK4461	59.4	58.5	64.7	1.9	35.2	35.0	35.3	19.2	20.3	20.1
~ DELTA KING DK4866*	57.9	57.9	63.6	2.1	35.9	35.5	35.9	17.9	18.8	19.0
~ UNISOUTH GENETICS USG 7494nRR**	55.4	57.1	63.1	2.4	36.7	36.8	36.8	18.4	19.2	19.1
~ NK BRAND S49-Q9**	60.2	60.3	63.0	2.0	36.1	36.6	36.2	17.8	18.3	18.4
~ DELTA KING DK4967**	56.6	57.9	62.8	2.2	37.3	37.0	37.0	17.9	19.0	19.0
~ PIONEER VARIETY 94B73	58.5	57.9	62.8	2.1	37.6	37.0	37.4	18.2	18.8	19.1
~ UNISOUTH GENETICS USG 7484nRR**	54.3	57.0	62.2	2.1	37.0	36.0	36.1	18.2	18.9	18.9
~ ASGROW AG4801*	57.1	58.7	62.2	1.6	36.7	36.9	36.9	18.9	19.6	19.6
~ CROW'S C4815R**	58.6	58.0	62.1	2.0	37.8	37.7	38.0	17.5	18.4	18.6
~ DELTA KING DK4763*	54.9	57.2	62.1	2.0	37.8	37.5	37.9	18.5	19.1	18.7
~ DEKALB DKB46-51**	57.6	57.4	62.0	2.1	37.7	37.7	37.7	18.0	18.7	18.3
~ HELENA BRAND SEED 4875**	53.1	56.4	61.6	2.2	36.8	36.1	36.4	17.8	18.5	18.5
~ DELTAGROW 4840 RR**	54.5	56.3	61.1	2.5	36.6	36.1	36.2	18.6	19.1	19.1
~ CROPLAN GENETICS RC 4842 RR**	55.1	55.2	60.2	2.0	37.6	37.5	37.5	18.2	19.0	19.1
~ SOUTHERN CROSS ELI 4.7 N, STS, RR	63.5			1.3	34.2			19.6		
~ STINE 4782-4	63.2			1.3	34.3			19.2		
~ NKXR 4669**	61.6			1.9	36.3			18.1		
~ GREAT LAKES GL 4709RR**	60.5			1.4	34.3			19.4		
~ VIGORO V49N6RR**	60.5	60.8		2.4	36.6	37.2		18.0	18.3	
~ DELTAGROW 4970 RR**	60.3			2.5	36.5			17.9		
~ EXCEL BRAND 8447NRR*	60.2			1.9	36.4			17.7		
~ SOUTHERN STATES RT 4808N**	60.0	60.8		2.0	34.1	34.9		18.4	18.9	
~ NKXR 4967**	59.5			2.3	36.2			18.3		
~ ASGROW AG4903	59.0	60.1		2.0	35.1	35.8		18.6	19.3	
~ GUTWEIN H-4878RR**	59.0	58.0		2.4	37.5	37.9		17.8	18.0	
~ CROW'S C4817R**	59.0			2.1	34.7			18.3		
~ ASGROW AG4703	58.8	59.8		1.7	36.0	36.6		18.0	18.7	
~ UNISOUTH GENETICS USG 74A76**	58.5			2.5	35.4			18.8		
~ SOUTHERN STATES RT 4777N**	58.5			2.4	36.9			18.7		
~ SOUTHERN STATES RT 4760N**	58.4			2.3	37.8			18.2		
~ DELTA KING DK4764**	58.4	57.9		2.2	36.1	36.2		18.2	18.2	
~ EXCEL BRAND 8481NRR*	58.3			2.2	37.0			18.2		
~ TRISOY 4858RR(CN)*	58.1	58.5		2.0	35.2	35.6		18.2	18.7	
~ CAVERNDAL CF 482 RRn*	58.1			2.0	37.9			18.1		
~ DELTAGROW 4860 RR**	58.0			2.0	37.8			18.6		
~ SOUTHERN STATES RT 4996N**	58.0			2.2	36.5			19.0		
~ DELTA AND PINE LAND DP 4724 RR*	57.8	58.4		2.1	37.3	37.9		18.3	18.9	
~ HORNBECK HBK R4924**	57.7			2.3	34.9			18.6		
~ SEED CONSULTANTS SC 9466RR**	57.6			1.9	36.7			17.9		
~ DELTA KING DK4968	57.0			2.4	35.6			18.1		
~ HORNBECK HBK R4724	56.6	58.4		2.1	36.2	35.8		18.1	18.8	
~ PIONEER VARIETY 94M80*	56.6	56.0		2.1	37.3	37.6		18.1	18.8	
~ DELTA KING DKXTJ750	56.5			2.1	37.6			17.6		
~ DELTA KING DK4667**	56.5	56.9		2.7	35.3	35.5		18.3	19.2	
~ CROPLAN GENETICS RC 4955 RR*	56.3	56.8		2.1	35.2	35.3		18.7	19.6	
~ DYNA-GRO 38T47**	56.2			2.1	38.4			17.6		
~ DELTA AND PINE LAND DP 4919 RR/S	56.1			2.3	38.2			18.3		
~ SCHILLINGER SEED 495 RC*	55.9	57.0		2.3	36.8	37.6		17.9	17.9	
~ ADLER SEEDS 492RRN*	55.7			2.0	34.7			18.3		
~ STEYER 4600 RR SCN**	55.7			2.0	36.2			18.3		
~ SOUTHERN STATES RT 4981N**	55.6	56.7		2.1	35.7	36.1		18.5	19.2	
~ SOUTHERN CROSS DAN 4.8 N, RR**	55.2	57.3		2.2	36.5	36.2		18.5	19.0	
~ DYNA-GRO 35Z49**	55.0	57.5		2.1	35.3	35.4		18.4	18.9	
~ SOUTHERN STATES RT 4651N**	55.0	55.4		1.8	36.9	36.9		17.0	17.9	
~ EXCEL BRAND 8493NRR*	54.2	56.7		2.1	37.7	37.6		17.3	18.0	
~ CROPLAN GENETICS RC 4655 RR*	49.8	51.6		1.9	37.4	36.8		17.3	19.1	
LATE GROUP IV AVERAGE	57.5	57.7	62.6	2.1	36.4	36.5	36.7	18.3	18.9	19.0
LSD (0.10)	2.8	2.0	2.1	0.2						



**MATURITY GROUP V**

	UNISOUTH GENETICS USG 5601T	<b>61.3</b>	<b>64.0</b>	<b>66.2</b>	2.6	37.9	38.0	37.7	16.7	17.6	17.8
	UNISOUTH GENETICS USG 5002T	<b>60.5</b>	<b>63.9</b>	<b>64.0</b>	2.7	36.0	36.1	35.7	18.3	19.1	19.2
P	TEEJAY	57.4	60.1	<b>61.5</b>	2.3	35.5	36.0	35.9	17.7	18.5	18.5
~	VIGORO V50N5RR**	56.2	57.8	<b>61.3</b>	2.5	37.9	37.4	37.3	18.0	18.6	18.8
~	GUTWEIN H-5053RR**	52.5	55.1	<b>61.0</b>	2.7	36.7	36.9	37.3	17.9	18.6	18.6
~	UNISOUTH GENETICS USG 75J32**	57.5	59.4	<b>60.7</b>	2.3	36.5	36.1	36.2	17.8	18.4	18.2
~	DELTA KING DK5567*	56.1	60.5	<b>60.0</b>	3.2	35.7	36.0		17.1	18.0	
P	ANAND**	<b>59.7</b>	60.2	<b>59.9</b>	2.3	34.7	35.2	35.4	18.6	18.8	18.9
P	HUTCHESON	54.3	59.0	<b>58.5</b>	2.7	36.6	36.4	36.2	17.9	18.7	18.7
~	SOUTHERN STATES RT 5540N**	54.5	56.7	<b>58.4</b>	2.7	36.8	36.5	36.8	18.0	18.9	18.7
~	DELTA KING DK5161**	55.4	57.4	<b>58.3</b>	3.7	35.3	35.4	36.0	18.6	19.1	19.1
~	DELTA KING DK55T6**	55.0	58.4	<b>56.7</b>	3.3	35.3	35.2	35.5	17.5	18.5	18.2
~	DELTA KING DK5366**	52.6	57.5	<b>55.9</b>	3.5	36.3	36.9	37.2	17.1	18.2	17.8
~	SOUTHERN STATES RT 5130N**	50.5	55.0	<b>55.5</b>	2.8	37.5	37.7	37.8	17.3	18.1	17.8
NS	KS5005sp (large seed, high protein)	51.3	52.6	<b>55.2</b>	2.6	37.6	38.0	38.2	17.4	17.9	17.9
NS	KS5003sp (small seeded variety)	46.2	46.5	<b>47.2</b>	3.5	35.8	35.8	35.7	19.1	19.2	19.2
~	UNISOUTH GENETICS USG 56379	<b>61.2</b>			2.5	36.5			16.7		
~	DELTA GROW 5160 RR**	<b>61.1</b>			2.4	37.6			18.1		
~	UNISOUTH GENETICS USG ALLEN	<b>58.9</b>			2.6	36.6			16.8		
~	SOUTHERN CROSS DAMASCUS 5.0 N, RR	58.7			2.4	37.3			18.4		
~	EXCEL BRAND 8520NRR*	58.7			2.4	37.2			17.2		
~	DELTA KING DK52K6**	57.8			2.9	37.6			17.6		
~	VIGORO V50N7RS**	57.7			2.3	37.3			18.7		
~	EXCEL BRAND 8512NRR*	57.6			2.3	36.9			18.1		
~	NKXR 5068*	56.4			2.0	36.9			17.3		
~	UNISOUTH GENETICS USG 56293	56.3			2.9	37.1			17.0		
P	JAKE	56.0			2.5	35.5			17.9		
~	DELTA KING DK5368	55.8			3.6	38.2			17.8		
~	DELTA KING DK5066**	55.5	58.4		2.2	37.3	37.7		18.5	18.9	
~	SOUTHERN STATES RT 5160N*	55.5			2.8	35.5			18.1		
~	TRISOY 5060RR(CN)*	55.2			2.3	37.6			17.6		
~	UNISOUTH GENETICS USG 7515nRS**	54.6			2.4	37.7			18.0		
~	UNISOUTH GENETICS USG 56124	54.5			2.7	37.2			17.1		
~	UNISOUTH GENETICS USG 75M16	54.5			2.5	35.0			17.9		
~	HORNBECK HBK R5226*	53.6			3.5	37.7			17.2		
~	DELTA KING DKXTJ703*	53.1			2.5	36.3			17.4		
~	DELTA KING DKXTJ704	53.1			2.1	37.7			17.8		
~	PIONEER VARIETY 95M30**	52.5			3.1	36.2			16.7		
~	DELTA AND PINE LAND DP 5115 RR/S	52.3			2.2	36.9			17.6		
NS	K03-3825 (high protein)	50.8			1.7	37.9			17.5		
NS	K03-3821 (high protein)	49.8			2.0	39.9			17.8		
NS	KS1642sp (low linolenic acid)	45.7	47.1		3.2	34.0	34.3		18.9	19.4	
	GROUP V AVERAGE	55.2	57.2	<b>58.8</b>	2.6	36.8	36.4	36.6	17.7	18.6	18.5
	LSD (0.10)	2.5	1.9	<b>2.0</b>	0.2						
	GRAND MEAN	56.3	55.7	<b>59.9</b>	2.1	36.9	37.0	36.7	18.4	19.3	19.0

~ 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 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.

B 2006 variety protein and oil concentration was determined at the Hancock Co. location (all test locations for NS entries) and expressed on the basis of 13% moisture. 2005 protein-oil data are from Caldwell Co. and 2004 protein-oil data are from Fayette Co.. These data were provided by the Iowa State University Grain Quality Analysis Services using near-infrared (NIR) analysis.

TABLE 4. 2006 SUMMARY: VARIETY TEST TABLES 5-9

SORTED BY 2006 LODGING

BRAND -- VARIETY	YIELD (BU/AC) <sup>A</sup>			LODGING	% PROTEIN <sup>B</sup>			% OIL <sup>B</sup>		
	2006	05-06	04-06	2006	2006	05-06	04-06	2006	05-06	04-06
<b>MATURITY GROUP II-III (RELATIVE MG 2.7-3.9)</b>										
~ SEED CONSULTANTS SC 9387RR*	56.3			1.2	37.7			18.6		
~ DELTA KING DK3968**	58.4	55.0	60.2	1.3	37.4	36.5	36.3	19.2	20.0	19.6
NS DIENER SEEDS D300	52.8			1.3	36.2			18.8		
~ STEYER 3630 RR SCN**	56.0			1.3	36.1			19.5		
~ DYNA-GRO 32C38**	55.6			1.3	36.0			18.1		
~ SOUTHERN STATES RT 3860	58.5			1.4	36.0			19.2		
~ ASGROW AG3705*	61.1			1.4	36.1			18.9		
~ PIONEER VARIETY 93M90*	59.0	55.6	61.1	1.5	36.9	36.4	36.7	18.9	19.0	18.8
~ DEKALB DKB36-52*	59.7	54.0	58.5	1.5	38.4	38.3	39.1	17.5	18.1	17.7
~ SOUTHERN CROSS STEPHEN 3.8 N, RR*	59.7	56.9	61.3	1.5	37.7	36.9	36.8	19.8	20.4	19.9
~ UNISOUTH GENETICS USG 7393nRR**	55.9	55.1		1.5	38.2	37.2		19.5	20.3	
~ NKXR 3669	55.9			1.5	37.8			17.7		
~ VIGORO V38N5RS**	59.2	55.1	60.6	1.6	35.7	35.5	35.8	18.4	19.2	19.0
NS STEWART SEEDS SIG M40111	58.6			1.6	38.0			18.9		
NS DIENER SEEDS D293	54.9			1.6	36.7			18.7		
~ CYST TECH RR0031CTA	53.5			1.6	38.2			18.6		
~ PIONEER VARIETY 93M42**	52.8			1.6	38.3			18.2		
NS IA3021 (large seed, high protein)	38.1	34.0	40.9	1.6	39.1	38.8	39.4	19.4	19.6	19.0
~ DELTA KING DKXTJ39T6	56.3			1.6	36.6			18.6		
~ SOUTHERN CROSS GOSHEN 2.9 N, RR	49.6			1.6	39.7			19.1		
~ SEED CONSULTANTS SC 9396RR**	58.9	54.5		1.7	35.5	35.7		19.0	19.5	
~ HELENA BRAND SEED 3975**	57.4	54.6		1.7	36.8	37.0		18.5	19.0	
~ SOUTHERN STATES RT 3760N*	57.3			1.7	36.3			18.7		
P IA 3023	46.8	41.7	48.8	1.7	35.9	35.3	35.4	19.4	20.1	19.8
~ ASGROW AG3905*	62.6	59.3	62.9	1.7	36.9	36.4	36.6	18.5	19.2	19.1
~ SOUTHERN STATES RT 3851N**	56.9	54.0		1.7	36.2	36.2		18.7	19.5	
~ SOUTHERN STATES RT 2800	45.2			1.7	38.6			19.6		
~ DELTA AND PINE LAND DPX3994RR*	57.1			1.8	37.0			18.3		
~ DELTAGROW 3950 RR*	56.1			1.8	38.7			19.0		
~ DELTA AND PINE LAND DP 3861 RR*	56.0	53.2	58.2	1.8	37.4	36.7	37.0	18.7	19.2	18.8
NS IA3027 (large seed, high protein)	35.8			1.8	39.2			18.9		
~ ASGROW AG3906*	59.5	57.3		1.8	36.9	36.6		19.5	20.0	
~ CROPLAN GENETICS RC 3935 RR**	52.9	49.6		1.8	37.6	37.1		18.7	19.5	
~ EBBERTS 1385RR	57.5	55.5	61.3	1.9	37.3	36.9	37.2	19.4	20.1	19.9
~ SEED CONSULTANTS SC 9386A RR*	56.9	53.1		1.9	36.7	36.8		18.4	19.2	
~ GUTWEIN H-3606RR*	57.7	52.9		1.9	39.2	37.8		17.6	18.6	
~ STINE 3832-4**	56.3	53.5		1.9	38.0	37.5		19.3	19.8	
~ SEED CONSULTANTS SC 9386RR**	57.6			2.0	38.8			19.1		
~ SOUTHERN STATES RT 3951N*	56.3	51.4		2.0	37.2	36.8		19.1	19.8	
~ EBBERTS 1386RR**	59.5			2.0	37.1			19.2		
NS IA3006PR (high protein, phytophthora resistance)	40.3	35.6		2.0	38.8	38.9		19.4	19.4	
~ EXCEL BRAND 8396RR/STS	60.4			2.1	36.9			19.0		
~ HELENA BRAND SEED 3676**	55.5	50.5		2.1	38.1	37.4		18.9	19.7	
NS STEWART SEEDS SIG M40619	51.7			2.1	35.6			20.1		
~ EBBERTS 1397RR**	56.5			2.1	36.1			19.0		
~ DELTA KING DK3967**	53.2	49.9		2.1	37.1	36.6		18.8	19.6	
~ VIGORO V36N5RR**	59.2	54.6		2.2	40.2	39.2		16.8	17.6	
~ NK BRAND S37-N4**	57.9	53.9	58.8	2.2	37.3	37.1	37.7	18.1	18.7	18.6
~ EBBERTS 1365RR**	54.1	52.3	59.6	2.2	40.1	39.3	39.4	17.0	17.7	17.5
~ DELTA KING DK3964**	53.4			2.2	37.1			18.7		
~ LG C2777NRR	43.6			2.3	40.3			18.2		
NS IA3022 (large seed, high protein)	45.3	42.4	46.9	2.4	39.4	39.2	39.6	18.7	18.8	18.3
~ HORNBECK HBK R3824	54.5			2.4	36.0			18.8		
GROUP III AVERAGE	54.7	51.7	56.8	1.8	37.5	37.2	37.5	18.8	19.3	18.9
LSD (0.10)	3.7	2.2	1.8	0.3						

**MATURITY GROUP EARLY IV (RELATIVE MG 4.0-4.5)**

~ SEED CONSULTANTS SC 9415RR**	53.7	53.0	59.3	1.1	38.0	36.5	36.8	19.0	20.0	19.8
~ EXCEL BRAND 8427NRR/STS	59.1	56.5		1.3	36.4	36.5		19.2	19.4	
~ VIGORO V42N3RR**	58.4	55.2	62.7	1.3	36.8	36.5	36.4	19.4	19.8	19.8
~ HELENA BRAND SEED 4375**	60.0	58.3	65.2	1.4	36.0	35.8	36.0	18.6	19.6	19.7
~ SOUTHERN CROSS MICHAEL 4.2 N, RR, STS**	57.7	55.3	61.3	1.4	37.2	37.0	36.8	19.0	19.5	19.6
~ VIGORO V42N7RS**	59.5			1.5	37.3			19.1		
~ STINE 4402-4**	63.8			1.5	36.9			19.1		
BECK 422NRR**	60.5			1.5	37.1			19.2		
~ CAVERNDALE CF 422 RR/STSn**	60.8			1.6	35.9			19.4		
~ CROPLAN GENETICS RC 4095 RR*	52.1			1.6	36.9			18.6		
~ DELTA KING DKXTJ744	59.4			1.7	36.3			19.1		
~ DELTA AND PINE LAND DP 4331 RR*	59.3	58.4	63.7	1.7	35.3	35.0	35.4	18.9	20.2	20.1
~ SOUTHERN STATES RT 4151N**	53.4	54.4		1.7	38.0	36.9		18.7	19.7	
~ PIONEER VARIETY 94M31*	59.1			1.7	38.4			18.1		
~ CYST TECH RREX40CTA	55.5			1.7	37.2			18.8		
~ SEED CONSULTANTS SC 9436RR*	55.1	54.1		1.7	37.3	36.5		18.5	19.3	
~ DEKALB DKB42-51*	60.8			1.8	35.7			18.3		
~ ASGROW AG4103*	59.6			1.8	36.2			18.6		
~ EXCEL BRAND 8450NRR*	58.7			1.8	37.1			18.1		
~ SOUTHERN STATES RT 4440N**	57.7	57.2	57.5	1.8	35.3	35.3	35.2	19.1	20.2	20.2
~ DYNA-GRO DG3443NRR**	57.2	58.9	63.1	1.8	35.4	35.0	35.2	19.1	20.3	20.2
~ PIONEER VARIETY 94M50*	60.3	57.4		1.8	37.5	37.5		18.7	19.5	
~ NK BRAND S43-B1**	57.9	56.1	60.4	1.8	37.4	36.5	36.6	18.1	18.8	18.8
~ ASGROW AG4403*	56.8	57.4	62.3	1.8	35.4	35.1	35.5	19.0	20.2	20.0
~ SEED CONSULTANTS SC 9406RR*	54.1	50.5		1.8	37.5	36.6		18.2	19.2	
~ GREAT LAKES GL 4129RR**	61.3			1.9	37.2			18.5		
~ ADLER SEEDS 432RRN*	59.7			1.9	36.8			18.6		
~ GUTWEIN H-4534RR**	62.2	59.9		1.9	35.7	35.4		19.2	20.2	
~ DELTAGROW 4150 RR*	61.3			1.9	37.3			18.0		
~ ASGROW AG4404*	59.8	57.7		1.9	36.7	37.3		18.6	18.9	
~ CROPLAN GENETICS RC 4455 RR**	58.3	57.9		2.0	35.9	35.7		18.6	19.5	
~ SEED CONSULTANTS SC 9442RR**	58.2			2.0	35.6			19.2		
~ SOUTHERN STATES RT 4551N	57.5	59.0		2.0	38.5	38.1		18.2	18.5	
~ CROW'S C4444R**	56.4			2.0	36.4			18.2		
NS IA4003 (large seed, high protein)	48.5	43.9		2.0	40.4	40.1		18.0	18.1	
~ PIONEER VARIETY 94M30*	58.4	55.0		2.0	40.1	38.8		17.9	18.9	
NS DIENER SEEDS D400S	57.7			2.1	36.3			19.6		
~ SOUTHERN STATES RT 4451N**	56.7	59.7		2.1	35.9	35.7		18.3	19.3	
~ SOUTHERN CROSS MOAB 4.5 N, RR**	56.0	56.0		2.1	36.3	36.0		18.2	19.1	
~ DELTA AND PINE LAND DP 4112 RR/S	50.9			2.1	38.0			17.5		
~ BECK 444NRR**	57.9	58.2		2.2	36.0	35.7		18.7	19.6	
~ SEED CONSULTANTS SC 9456RR**	57.1	56.2		2.2	36.1	36.4		18.3	19.1	
~ GREAT LAKES GL 4419RR**	56.6			2.2	36.0			18.5		
~ STEYER 4420 RR SCN**	53.8			2.2	36.5			18.4		
~ DYNA-GRO 37A44**	53.7	55.8		2.2	35.8	35.9		18.7	19.2	
~ VIGORO V44N6RR**	57.2	58.1		2.2	35.3	35.4		18.7	19.6	
~ DELTAGROW 4460 RR**	57.8			2.3	36.3			18.5		
~ DELTA AND PINE LAND DP 4546 RR	50.4			2.4	37.3			18.1		
EARLY GROUP IV AVERAGE	57.5	56.1	61.7	1.8	36.8	36.4	36.0	18.6	19.5	19.8
LSD (0.10)	3.0	2.0	2.1	0.3						

**MATURITY GROUP LATE IV (RELATIVE MG 4.6-4.9)**

~ SOUTHERN CROSS ELI 4.7 N, STS, RR	63.5			1.3	34.2				19.6	
~ STINE 4782-4	63.2			1.3	34.3				19.2	
~ GREAT LAKES GL 4709RR**	60.5			1.4	34.3				19.4	
~ ASGROW AG4801*	57.1	58.7	62.2	1.6	36.7	36.9	36.9	18.9	19.6	19.6
~ ASGROW AG4703	58.8	59.8		1.7	36.0	36.6		18.0	18.7	
~ SOUTHERN STATES RT 4651N**	55.0	55.4		1.8	36.9	36.9		17.0	17.9	
~ EXCEL BRAND 8447NRR*	60.2			1.9	36.4				17.7	
~ STEYER 4700 RR SCN**	60.1	60.6	65.0	1.9	35.7	35.7	35.8	19.2	20.0	20.0
~ CROPLAN GENETICS RC 4655 RR*	49.8	51.6		1.9	37.4	36.8		17.3	19.1	
~ NKXR 4669**	61.6			1.9	36.3				18.1	
~ DELTA KING DK4461	59.4	58.5	64.7	1.9	35.2	35.0	35.3	19.2	20.3	20.1
~ SEED CONSULTANTS SC 9466RR**	57.6			1.9	36.7				17.9	
~ SOUTHERN STATES RT 4808N**	60.0	60.8		2.0	34.1	34.9		18.4	18.9	
~ CROW'S C4815R**	58.6	58.0	62.1	2.0	37.8	37.7	38.0	17.5	18.4	18.6
~ CROPLAN GENETICS RC 4842 RR**	55.1	55.2	60.2	2.0	37.6	37.5	37.5	18.2	19.0	19.1
~ DELTA KING DK4763*	54.9	57.2	62.1	2.0	37.8	37.5	37.9	18.5	19.1	18.7
~ NK BRAND S49-Q9**	60.2	60.3	63.0	2.0	36.1	36.6	36.2	17.8	18.3	18.4
~ ASGROW AG4903	59.0	60.1		2.0	35.1	35.8		18.6	19.3	
~ TRISOY 4858RR(CN)*	58.1	58.5		2.0	35.2	35.6		18.2	18.7	
~ CAVERNDALE CF 482 RRn*	58.1			2.0	37.9				18.1	
~ DELTAGROW 4860 RR**	58.0			2.0	37.8				18.6	
~ ADLER SEEDS 492RRN*	55.7			2.0	34.7				18.3	
~ STEYER 4600 RR SCN**	55.7			2.0	36.2				18.3	
~ PIONEER VARIETY 94B73	58.5	57.9	62.8	2.1	37.6	37.0	37.4	18.2	18.8	19.1
~ DELTA KING DK4866*	57.9	57.9	63.6	2.1	35.9	35.5	35.9	17.9	18.8	19.0
~ DELTA AND PINE LAND DP 4724 RR*	57.8	58.4		2.1	37.3	37.9		18.3	18.9	
~ HORNBECK HBK R4724	56.6	58.4		2.1	36.2	35.8		18.1	18.8	
~ PIONEER VARIETY 94M80*	56.6	56.0		2.1	37.3	37.6		18.1	18.8	
~ DELTA KING DKXTJ750	56.5			2.1	37.6				17.6	
~ DYNA-GRO 38T47**	56.2			2.1	38.4				17.6	
~ CROW'S C4817R**	59.0			2.1	34.7				18.3	
~ DEKALB DKB46-51**	57.6	57.4	62.0	2.1	37.7	37.7	37.7	18.0	18.7	18.3
~ CROPLAN GENETICS RC 4955 RR*	56.3	56.8		2.1	35.2	35.3		18.7	19.6	
~ SOUTHERN STATES RT 4981N**	55.6	56.7		2.1	35.7	36.1		18.5	19.2	
~ DYNA-GRO 35Z49**	55.0	57.5		2.1	35.3	35.4		18.4	18.9	
~ UNISOUTH GENETICS USG 7484nRR**	54.3	57.0	62.2	2.1	37.0	36.0	36.1	18.2	18.9	18.9
~ EXCEL BRAND 8493NRR*	54.2	56.7		2.1	37.7	37.6		17.3	18.0	
~ DELTA KING DK4764**	58.4	57.9		2.2	36.1	36.2		18.2	18.2	
~ EXCEL BRAND 8481NRR*	58.3			2.2	37.0			18.2		
~ SOUTHERN STATES RT 4996N**	58.0			2.2	36.5			19.0		
~ DELTA KING DK4967**	56.6	57.9	62.8	2.2	37.3	37.0	37.0	17.9	19.0	19.0
~ SOUTHERN CROSS DAN 4.8 N, RR**	55.2	57.3		2.2	36.5	36.2		18.5	19.0	
~ HELENA BRAND SEED 4875**	53.1	56.4	61.6	2.2	36.8	36.1	36.4	17.8	18.5	18.5
~ NKXR 4967**	59.5			2.3	36.2				18.3	
~ SOUTHERN STATES RT 4760N**	58.4			2.3	37.8				18.2	
~ HORNBECK HBK R4924**	57.7			2.3	34.9				18.6	
~ DELTA AND PINE LAND DP 4919 RR/S	56.1			2.3	38.2				18.3	
~ SCHILLINGER SEED 495 RC*	55.9	57.0		2.3	36.8	37.6		17.9	17.9	
~ SOUTHERN STATES RT 4777N**	58.5			2.4	36.9				18.7	
~ DELTA KING DK4968	57.0			2.4	35.6				18.1	
~ UNISOUTH GENETICS USG 7494nRR**	55.4	57.1	63.1	2.4	36.7	36.8	36.8	18.4	19.2	19.1
~ VIGORO V49N6RR**	60.5	60.8		2.4	36.6	37.2		18.0	18.3	
~ GUTWEIN H-4878RR**	59.0	58.0		2.4	37.5	37.9		17.8	18.0	
~ DELTAGROW 4970 RR**	60.3			2.5	36.5				17.9	
~ UNISOUTH GENETICS USG 74A76**	58.5			2.5	35.4				18.8	
~ DELTAGROW 4840 RR**	54.5	56.3	61.1	2.5	36.6	36.1	36.2	18.6	19.1	19.1
~ DELTA KING DK4667**	56.5	56.9		2.7	35.3	35.5		18.3	19.2	
LATE GROUP IV AVERAGE	57.5	57.7	62.6	2.1	36.4	36.5	36.7	18.3	18.9	19.0
LSD (0.10)	2.8	2.0	2.1	0.2						

**MATURITY GROUP V**

NS	K03-3825 (high protein)	50.8			1.7	37.9			17.5		
NS	K03-3821 (high protein)	49.8			2.0	39.9			17.8		
~	NKXR 5068*	56.4			2.0	36.9			17.3		
~	DELTA KING DKXTJ704	53.1			2.1	37.7			17.8		
~	DELTA KING DK5066**	55.5	58.4		2.2	37.3	37.7		18.5	18.9	
~	DELTA AND PINE LAND DP 5115 RR/S	52.3			2.2	36.9			17.6		
P	ANAND**	59.7	60.2	59.9	2.3	34.7	35.2	35.4	18.6	18.8	18.9
~	VIGORO V50N7RS**	57.7			2.3	37.3			18.7		
P	TEEJAY	57.4	60.1	61.5	2.3	35.5	36.0	35.9	17.7	18.5	18.5
~	TRISOY 5060RR(CN)*	55.2			2.3	37.6			17.6		
~	EXCEL BRAND 8512NRR*	57.6			2.3	36.9			18.1		
~	UNISOUTH GENETICS USG 75J32**	57.5	59.4	60.7	2.3	36.5	36.1	36.2	17.8	18.4	18.2
~	UNISOUTH GENETICS USG 7515nRS**	54.6			2.4	37.7			18.0		
~	DELTAGROW 5160 RR**	61.1			2.4	37.6			18.1		
~	SOUTHERN CROSS DAMASCUS 5.0 N, RR	58.7			2.4	37.3			18.4		
~	EXCEL BRAND 8520NRR*	58.7			2.4	37.2			17.2		
~	UNISOUTH GENETICS USG 75M16	54.5			2.5	35.0			17.9		
~	DELTA KING DKXTJ703*	53.1			2.5	36.3			17.4		
~	UNISOUTH GENETICS USG 56379	61.2			2.5	36.5			16.7		
~	VIGORO V50N5RR**	56.2	57.8	61.3	2.5	37.9	37.4	37.3	18.0	18.6	18.8
P	JAKE	56.0			2.5	35.5			17.9		
	UNISOUTH GENETICS USG 5601T	61.3	64.0	66.2	2.6	37.9	38.0	37.7	16.7	17.6	17.8
~	UNISOUTH GENETICS USG ALLEN	58.9			2.6	36.6			16.8		
NS	KS5005sp (large seed, high protein)	51.3	52.6	55.2	2.6	37.6	38.0	38.2	17.4	17.9	17.9
~	SOUTHERN STATES RT 5540N**	54.5	56.7	58.4	2.7	36.8	36.5	36.8	18.0	18.9	18.7
P	HUTCHESON	54.3	59.0	58.5	2.7	36.6	36.4	36.2	17.9	18.7	18.7
~	GUTWEIN H-5053RR**	52.5	55.1	61.0	2.7	36.7	36.9	37.3	17.9	18.6	18.6
	UNISOUTH GENETICS USG 5002T	60.5	63.9	64.0	2.7	36.0	36.1	35.7	18.3	19.1	19.2
~	UNISOUTH GENETICS USG 56124	54.5			2.7	37.2			17.1		
~	SOUTHERN STATES RT 5160N*	55.5			2.8	35.5			18.1		
~	SOUTHERN STATES RT 5130N**	50.5	55.0	55.5	2.8	37.5	37.7	37.8	17.3	18.1	17.8
~	DELTA KING DK52K6**	57.8			2.9	37.6			17.6		
~	UNISOUTH GENETICS USG 56293	56.3			2.9	37.1			17.0		
~	PIONEER VARIETY 95M30**	52.5			3.1	36.2			16.7		
~	DELTA KING DK5567*	56.1	60.5	60.0	3.2	35.7	36.0		17.1	18.0	
NS	KS1642sp (low linolenic acid)	45.7	47.1		3.2	34.0	34.3		18.9	19.4	
~	DELTA KING DK55T6**	55.0	58.4	56.7	3.3	35.3	35.2	35.5	17.5	18.5	18.2
~	HORNBECK HBK R5226*	53.6			3.5	37.7			17.2		
NS	KS5003sp (small seeded variety)	46.2	46.5	47.2	3.5	35.8	35.8	35.7	19.1	19.2	19.2
~	DELTA KING DK5366**	52.6	57.5	55.9	3.5	36.3	36.9	37.2	17.1	18.2	17.8
~	DELTA KING DK5368	55.8			3.6	38.2			17.8		
~	DELTA KING DK5161**	55.4	57.4	58.3	3.7	35.3	35.4	36.0	18.6	19.1	19.1
	GROUP V AVERAGE	55.2	57.2	58.8	2.6	36.8	36.4	36.6	17.7	18.6	18.5
	LSD (0.10)	2.5	1.9	2.0	0.2						
	GRAND MEAN	56.3	55.7	59.9	2.1	36.9	37.0	36.7	18.4	19.3	19.0

~ 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 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.

B 2006 variety protein and oil concentration was determined at the Hancock Co. location (all test locations for NS entries) and expressed on the basis of 13% moisture. 2005 protein-oil data are from Caldwell Co. and 2004 protein-oil data are from Fayette Co.. These data were provided by the Iowa State University Grain Quality Analysis Services using near-infrared (NIR) analysis.

TABLE 4. 2006 SUMMARY: VARIETY TEST TABLES 5-9

SORTED BY 2006 % PROTEIN

BRAND -- VARIETY	YIELD (BU/AC) <sup>A</sup>			LODGING	% PROTEIN <sup>B</sup>			% OIL <sup>B</sup>		
	2006	05-06	04-06		2006	05-06	04-06	2006	05-06	04-06
MATURITY GROUP II-III (RELATIVE MG 2.7-3.9)										
~ LG C2777NRR	43.6			2.3	40.3			18.2		
~ VIGORO V36N5RR**	59.2	54.6		2.2	40.2	39.2		16.8	17.6	
~ EBBERTS 1365RR**	54.1	52.3	59.6	2.2	40.1	39.3	39.4	17.0	17.7	17.5
~ SOUTHERN CROSS GOSHEN 2.9 N, RR	49.6			1.6	39.7			19.1		
NS IA3022 (large seed, high protein)	45.3	42.4	46.9	2.4	39.4	39.2	39.6	18.7	18.8	18.3
~ GUTWEIN H-3606RR*	57.7	52.9		1.9	39.2	37.8		17.6	18.6	
NS IA3027 (large seed, high protein)	35.8			1.8	39.2			18.9		
NS IA3021 (large seed, high protein)	38.1	34.0	40.9	1.6	39.1	38.8	39.4	19.4	19.6	19.0
~ SEED CONSULTANTS SC 9386RR**	57.6			2.0	38.8			19.1		
NS IA3006PR (high protein, phytophthora resistance)	40.3	35.6		2.0	38.8	38.9		19.4	19.4	
~ DELTAGROW 3950 RR*	56.1			1.8	38.7			19.0		
~ SOUTHERN STATES RT 2800	45.2			1.7	38.6			19.6		
~ DEKALB DKB36-52*	59.7	54.0	58.5	1.5	38.4	38.3	39.1	17.5	18.1	17.7
~ PIONEER VARIETY 93M42**	52.8			1.6	38.3			18.2		
~ UNISOUTH GENETICS USG 7393nRR**	55.9	55.1		1.5	38.2	37.2		19.5	20.3	
~ CYST TECH RR0031CTA	53.5			1.6	38.2			18.6		
~ HELENA BRAND SEED 3676**	55.5	50.5		2.1	38.1	37.4		18.9	19.7	
NS STEWART SEEDS SIG M40111	58.6			1.6	38.0			18.9		
~ STINE 3832-4**	56.3	53.5		1.9	38.0	37.5		19.3	19.8	
~ NKXR 3669	55.9			1.5	37.8			17.7		
~ SOUTHERN CROSS STEPHEN 3.8 N, RR*	59.7	56.9	61.3	1.5	37.7	36.9	36.8	19.8	20.4	19.9
~ SEED CONSULTANTS SC 9387RR*	56.3			1.2	37.7			18.6		
~ CROPLAN GENETICS RC 3935 RR**	52.9	49.6		1.8	37.6	37.1		18.7	19.5	
~ DELTA AND PINE LAND DP 3861 RR*	56.0	53.2	58.2	1.8	37.4	36.7	37.0	18.7	19.2	18.8
~ DELTA KING DK3968**	58.4	55.0	60.2	1.3	37.4	36.5	36.3	19.2	20.0	19.6
~ NK BRAND S37-N4**	57.9	53.9	58.8	2.2	37.3	37.1	37.7	18.1	18.7	18.6
~ EBBERTS 1385RR	57.5	55.5	61.3	1.9	37.3	36.9	37.2	19.4	20.1	19.9
~ SOUTHERN STATES RT 3951N*	56.3	51.4		2.0	37.2	36.8		19.1	19.8	
~ EBBERTS 1386RR**	59.5			2.0	37.1			19.2		
~ DELTA KING DK3964**	53.4			2.2	37.1			18.7		
~ DELTA KING DK3967**	53.2	49.9		2.1	37.1	36.6		18.8	19.6	
~ DELTA AND PINE LAND DPX3994RR*	57.1			1.8	37.0			18.3		
~ ASGROW AG3905*	62.6	59.3	62.9	1.7	36.9	36.4	36.6	18.5	19.2	19.1
~ EXCEL BRAND 8396RR/STS	60.4			2.1	36.9			19.0		
~ ASGROW AG3906*	59.5	57.3		1.8	36.9	36.6		19.5	20.0	
~ PIONEER VARIETY 93M90*	59.0	55.6	61.1	1.5	36.9	36.4	36.7	18.9	19.0	18.8
~ HELENA BRAND SEED 3975**	57.4	54.6		1.7	36.8	37.0		18.5	19.0	
~ SEED CONSULTANTS SC 9386A RR*	56.9	53.1		1.9	36.7	36.8		18.4	19.2	
NS DIENER SEEDS D293	54.9			1.6	36.7			18.7		
~ DELTA KING DKXTJ39T6	56.3			1.6	36.6			18.6		
~ SOUTHERN STATES RT 3760N*	57.3			1.7	36.3			18.7		
~ SOUTHERN STATES RT 3851N**	56.9	54.0		1.7	36.2	36.2		18.7	19.5	
NS DIENER SEEDS D300	52.8			1.3	36.2			18.8		
~ ASGROW AG3705*	61.1			1.4	36.1			18.9		
~ EBBERTS 1397RR**	56.5			2.1	36.1			19.0		
~ STEYER 3630 RR SCN**	56.0			1.3	36.1			19.5		
~ SOUTHERN STATES RT 3860	58.5			1.4	36.0			19.2		
~ DYNA-GRO 32C38**	55.6			1.3	36.0			18.1		
~ HORNBECK HBK R3824	54.5			2.4	36.0			18.8		
P IA 3023	46.8	41.7	48.8	1.7	35.9	35.3	35.4	19.4	20.1	19.8
~ VIGORO V38N5RS**	59.2	55.1	60.6	1.6	35.7	35.5	35.8	18.4	19.2	19.0
NS STEWART SEEDS SIG M40619	51.7			2.1	35.6			20.1		
~ SEED CONSULTANTS SC 9396RR**	58.9	54.5		1.7	35.5	35.7		19.0	19.5	
GROUP III AVERAGE	54.7	51.7	56.8	1.8	37.5	37.2	37.5	18.8	19.3	18.9
LSD (0.10)	3.7	2.2	1.8	0.3						

**MATURITY GROUP EARLY IV (RELATIVE MG 4.0-4.5)**

NS IA4003 (large seed, high protein)	48.5	43.9		2.0	40.4	40.1		18.0	18.1	
~ PIONEER VARIETY 94M30*	58.4	55.0		2.0	40.1	38.8		17.9	18.9	
~ SOUTHERN STATES RT 4551N	57.5	59.0		2.0	38.5	38.1		18.2	18.5	
~ PIONEER VARIETY 94M31*	59.1			1.7	38.4			18.1		
~ SEED CONSULTANTS SC 9415RR**	53.7	53.0	59.3	1.1	38.0	36.5	36.8	19.0	20.0	19.8
~ SOUTHERN STATES RT 4151N**	53.4	54.4		1.7	38.0	36.9		18.7	19.7	
~ DELTA AND PINE LAND DP 4112 RR/S	50.9			2.1	38.0			17.5		
~ PIONEER VARIETY 94M50*	60.3	57.4		1.8	37.5	37.5		18.7	19.5	
~ SEED CONSULTANTS SC 9406RR*	54.1	50.5		1.8	37.5	36.6		18.2	19.2	
~ NK BRAND S43-B1**	57.9	56.1	60.4	1.8	37.4	36.5	36.6	18.1	18.8	18.8
~ DELTAGROW 4150 RR*	61.3			1.9	37.3			18.0		
~ VIGORO V42N7RS**	59.5			1.5	37.3			19.1		
~ SEED CONSULTANTS SC 9436RR*	55.1	54.1		1.7	37.3	36.5		18.5	19.3	
~ DELTA AND PINE LAND DP 4546 RR	50.4			2.4	37.3			18.1		
~ GREAT LAKES GL 4129RR**	61.3			1.9	37.2			18.5		
~ CYST TECH RREX40CTA	55.5			1.7	37.2			18.8		
~ SOUTHERN CROSS MICHAEL 4.2 N, RR, STS**	57.7	55.3	61.3	1.4	37.2	37.0	36.8	19.0	19.5	19.6
BECK 422NRR**	60.5			1.5	37.1			19.2		
~ EXCEL BRAND 8450NRR*	58.7			1.8	37.1			18.1		
~ STINE 4402-4**	63.8			1.5	36.9			19.1		
~ CROPLAN GENETICS RC 4095 RR*	52.1			1.6	36.9			18.6		
~ ADLER SEEDS 432RRN*	59.7			1.9	36.8			18.6		
~ VIGORO V42N3RR**	58.4	55.2	62.7	1.3	36.8	36.5	36.4	19.4	19.8	19.8
~ ASGROW AG4404*	59.8	57.7		1.9	36.7	37.3		18.6	18.9	
~ STEYER 4420 RR SCN**	53.8			2.2	36.5			18.4		
~ EXCEL BRAND 8427NRR/STS	59.1	56.5		1.3	36.4	36.5		19.2	19.4	
~ CROW'S C4444R**	56.4			2.0	36.4			18.2		
~ DELTA KING DKXTJ744	59.4			1.7	36.3			19.1		
NS DIENER SEEDS D400S	57.7			2.1	36.3			19.6		
~ SOUTHERN CROSS MOAB 4.5 N, RR**	56.0	56.0		2.1	36.3	36.0		18.2	19.1	
~ DELTAGROW 4460 RR**	57.8			2.3	36.3			18.5		
~ ASGROW AG4103*	59.6			1.8	36.2			18.6		
~ SEED CONSULTANTS SC 9456RR**	57.1	56.2		2.2	36.1	36.4		18.3	19.1	
~ HELENA BRAND SEED 4375**	60.0	58.3	65.2	1.4	36.0	35.8	36.0	18.6	19.6	19.7
~ BECK 444NRR**	57.9	58.2		2.2	36.0	35.7		18.7	19.6	
~ GREAT LAKES GL 4419RR**	56.6			2.2	36.0			18.5		
~ CROPLAN GENETICS RC 4455 RR**	58.3	57.9		2.0	35.9	35.7		18.6	19.5	
~ SOUTHERN STATES RT 4451N**	56.7	59.7		2.1	35.9	35.7		18.3	19.3	
~ CAVERNDALE CF 422 RR/STSn**	60.8			1.6	35.9			19.4		
~ DYNA-GRO 37A44**	53.7	55.8		2.2	35.8	35.9		18.7	19.2	
~ GUTWEIN H-4534RR**	62.2	59.9		1.9	35.7	35.4		19.2	20.2	
~ DEKALB DKB42-51*	60.8			1.8	35.7			18.3		
~ SEED CONSULTANTS SC 9442RR**	58.2			2.0	35.6			19.2		
~ DYNA-GRO DG3443NRR**	57.2	58.9	63.1	1.8	35.4	35.0	35.2	19.1	20.3	20.2
~ ASGROW AG4403*	56.8	57.4	62.3	1.8	35.4	35.1	35.5	19.0	20.2	20.0
~ DELTA AND PINE LAND DP 4331 RR*	59.3	58.4	63.7	1.7	35.3	35.0	35.4	18.9	20.2	20.1
~ SOUTHERN STATES RT 4440N**	57.7	57.2	57.5	1.8	35.3	35.3	35.2	19.1	20.2	20.2
~ VIGORO V44N6RR**	57.2	58.1		2.2	35.3	35.4		18.7	19.6	
EARLY GROUP IV AVERAGE	57.5	56.1	61.7	1.8	36.8	36.4	36.0	18.6	19.5	19.8
LSD (0.10)	3.0	2.0	2.1	0.3						

**MATURITY GROUP LATE IV (RELATIVE MG 4.6-4.9)**

~ DYNA-GRO 38T47**	56.2			2.1	38.4				17.6		
~ DELTA AND PINE LAND DP 4919 RR/S	56.1			2.3	38.2				18.3		
~ CAVERNDALE CF 482 RRn*	58.1			2.0	37.9				18.1		
~ CROW'S C4815R**	58.6	58.0	62.1	2.0	37.8	37.7	38.0	17.5	18.4	18.6	
~ SOUTHERN STATES RT 4760N**	58.4			2.3	37.8				18.2		
~ DELTAGROW 4860 RR**	58.0			2.0	37.8				18.6		
~ DELTA KING DK4763*	54.9	57.2	62.1	2.0	37.8	37.5	37.9	18.5	19.1	18.7	
~ DEKALB DKB46-51**	57.6	57.4	62.0	2.1	37.7	37.7	37.7	18.0	18.7	18.3	
~ EXCEL BRAND 8493NRR*	54.2	56.7		2.1	37.7	37.6		17.3	18.0		
~ PIONEER VARIETY 94B73	58.5	57.9	62.8	2.1	37.6	37.0	37.4	18.2	18.8	19.1	
~ DELTA KING DKXTJ750	56.5			2.1	37.6				17.6		
~ CROPLAN GENETICS RC 4842 RR**	55.1	55.2	60.2	2.0	37.6	37.5	37.5	18.2	19.0	19.1	
~ GUTWEIN H-4878RR**	59.0	58.0		2.4	37.5	37.9		17.8	18.0		
~ CROPLAN GENETICS RC 4655 RR*	49.8	51.6		1.9	37.4	36.8		17.3	19.1		
~ DELTA AND PINE LAND DP 4724 RR*	57.8	58.4		2.1	37.3	37.9		18.3	18.9		
~ DELTA KING DK4967**	56.6	57.9	62.8	2.2	37.3	37.0	37.0	17.9	19.0	19.0	
~ PIONEER VARIETY 94M80*	56.6	56.0		2.1	37.3	37.6		18.1	18.8		
~ EXCEL BRAND 8481NRR*	58.3			2.2	37.0				18.2		
~ UNISOUTH GENETICS USG 7484nRR**	54.3	57.0	62.2	2.1	37.0	36.0	36.1	18.2	18.9	18.9	
~ SOUTHERN STATES RT 4777N**	58.5			2.4	36.9				18.7		
~ SOUTHERN STATES RT 4651N**	55.0	55.4		1.8	36.9	36.9		17.0	17.9		
~ SCHILLINGER SEED 495 RC*	55.9	57.0		2.3	36.8	37.6		17.9	17.9		
~ HELENA BRAND SEED 4875**	53.1	56.4	61.6	2.2	36.8	36.1	36.4	17.8	18.5	18.5	
~ SEED CONSULTANTS SC 9466RR**	57.6			1.9	36.7				17.9		
~ ASGROW AG4801*	57.1	58.7	62.2	1.6	36.7	36.9	36.9	18.9	19.6	19.6	
~ UNISOUTH GENETICS USG 7494nRR**	55.4	57.1	63.1	2.4	36.7	36.8	36.8	18.4	19.2	19.1	
~ VIGORO V49N6RR**	60.5	60.8		2.4	36.6	37.2		18.0	18.3		
~ DELTAGROW 4840 RR**	54.5	56.3	61.1	2.5	36.6	36.1	36.2	18.6	19.1	19.1	
~ DELTAGROW 4970 RR**	60.3			2.5	36.5				17.9		
~ SOUTHERN STATES RT 4996N**	58.0			2.2	36.5				19.0		
~ SOUTHERN CROSS DAN 4.8 N, RR**	55.2	57.3		2.2	36.5	36.2		18.5	19.0		
~ EXCEL BRAND 8447NRR*	60.2			1.9	36.4				17.7		
~ NKXR 4669**	61.6			1.9	36.3				18.1		
~ NKXR 4967**	59.5			2.3	36.2				18.3		
~ HORNBECK HBK R4724	56.6	58.4		2.1	36.2	35.8		18.1	18.8		
~ STEYER 4600 RR SCN**	55.7			2.0	36.2				18.3		
~ NK BRAND S49-Q9**	60.2	60.3	63.0	2.0	36.1	36.6	36.2	17.8	18.3	18.4	
~ DELTA KING DK4764**	58.4	57.9		2.2	36.1	36.2		18.2	18.2		
~ ASGROW AG4703	58.8	59.8		1.7	36.0	36.6		18.0	18.7		
~ DELTA KING DK4866*	57.9	57.9	63.6	2.1	35.9	35.5	35.9	17.9	18.8	19.0	
~ SOUTHERN STATES RT 4981N**	55.6	56.7		2.1	35.7	36.1		18.5	19.2		
~ STEYER 4700 RR SCN**	60.1	60.6	65.0	1.9	35.7	35.7	35.8	19.2	20.0	20.0	
~ DELTA KING DK4968	57.0			2.4	35.6				18.1		
~ UNISOUTH GENETICS USG 74A76**	58.5			2.5	35.4				18.8		
~ DYNA-GRO 35Z49**	55.0	57.5		2.1	35.3	35.4		18.4	18.9		
~ DELTA KING DK4667**	56.5	56.9		2.7	35.3	35.5		18.3	19.2		
~ DELTA KING DK4461	59.4	58.5	64.7	1.9	35.2	35.0	35.3	19.2	20.3	20.1	
~ TRISOY 4858RR(CN)*	58.1	58.5		2.0	35.2	35.6		18.2	18.7		
~ CROPLAN GENETICS RC 4955 RR*	56.3	56.8		2.1	35.2	35.3		18.7	19.6		
~ ASGROW AG4903	59.0	60.1		2.0	35.1	35.8		18.6	19.3		
~ HORNBECK HBK R4924**	57.7			2.3	34.9				18.6		
~ CROW'S C4817R**	59.0			2.1	34.7				18.3		
~ ADLER SEEDS 492RRN*	55.7			2.0	34.7				18.3		
~ STINE 4782-4	63.2			1.3	34.3				19.2		
~ GREAT LAKES GL 4709RR**	60.5			1.4	34.3				19.4		
~ SOUTHERN CROSS ELI 4.7 N, STS, RR	63.5			1.3	34.2				19.6		
~ SOUTHERN STATES RT 4808N**	60.0	60.8		2.0	34.1	34.9		18.4	18.9		
LATE GROUP IV AVERAGE	57.5	57.7	62.6	2.1	36.4	36.5	36.7	18.3	18.9	19.0	
LSD (0.10)	2.8	2.0	2.1	0.2							



**MATURITY GROUP V**

NS	K03-3821 (high protein)	49.8			2.0	39.9			17.8		
~	DELTA KING DK5368	55.8			3.6	38.2			17.8		
	UNISOUTH GENETICS USG 5601T	61.3	64.0	66.2	2.6	37.9	38.0	37.7	16.7	17.6	17.8
~	VIGORO V50N5RR**	56.2	57.8	61.3	2.5	37.9	37.4	37.3	18.0	18.6	18.8
NS	K03-3825 (high protein)	50.8			1.7	37.9			17.5		
~	UNISOUTH GENETICS USG 7515nRS**	54.6			2.4	37.7			18.0		
~	HORNBECK HBK R5226*	53.6			3.5	37.7			17.2		
~	DELTA KING DKXTJ704	53.1			2.1	37.7			17.8		
~	DELTAGROW 5160 RR**	61.1			2.4	37.6			18.1		
~	DELTA KING DK52K6**	57.8			2.9	37.6			17.6		
~	TRISOY 5060RR(CN)*	55.2			2.3	37.6			17.6		
NS	KS5005sp (large seed, high protein)	51.3	52.6	55.2	2.6	37.6	38.0	38.2	17.4	17.9	17.9
~	SOUTHERN STATES RT 5130N**	50.5	55.0	55.5	2.8	37.5	37.7	37.8	17.3	18.1	17.8
~	SOUTHERN CROSS DAMASCUS 5.0 N, RR	58.7			2.4	37.3			18.4		
~	VIGORO V50N7RS**	57.7			2.3	37.3			18.7		
~	DELTA KING DK5066**	55.5	58.4		2.2	37.3	37.7		18.5	18.9	
~	EXCEL BRAND 8520NRR*	58.7			2.4	37.2			17.2		
~	UNISOUTH GENETICS USG 56124	54.5			2.7	37.2			17.1		
~	UNISOUTH GENETICS USG 56293	56.3			2.9	37.1			17.0		
~	EXCEL BRAND 8512NRR*	57.6			2.3	36.9			18.1		
~	NKXR 5068*	56.4			2.0	36.9			17.3		
~	DELTA AND PINE LAND DP 5115 RR/S	52.3			2.2	36.9			17.6		
~	SOUTHERN STATES RT 5540N**	54.5	56.7	58.4	2.7	36.8	36.5	36.8	18.0	18.9	18.7
~	GUTWEIN H-5053RR**	52.5	55.1	61.0	2.7	36.7	36.9	37.3	17.9	18.6	18.6
~	UNISOUTH GENETICS USG ALLEN	58.9			2.6	36.6			16.8		
P	HUTCHESON	54.3	59.0	58.5	2.7	36.6	36.4	36.2	17.9	18.7	18.7
~	UNISOUTH GENETICS USG 56379	61.2			2.5	36.5			16.7		
~	UNISOUTH GENETICS USG 75J32**	57.5	59.4	60.7	2.3	36.5	36.1	36.2	17.8	18.4	18.2
~	DELTA KING DKXTJ703*	53.1			2.5	36.3			17.4		
~	DELTA KING DK5366**	52.6	57.5	55.9	3.5	36.3	36.9	37.2	17.1	18.2	17.8
~	PIONEER VARIETY 95M30**	52.5			3.1	36.2			16.7		
	UNISOUTH GENETICS USG 5002T	60.5	63.9	64.0	2.7	36.0	36.1	35.7	18.3	19.1	19.2
NS	KS5003sp (small seeded variety)	46.2	46.5	47.2	3.5	35.8	35.8	35.7	19.1	19.2	19.2
~	DELTA KING DK5567*	56.1	60.5	60.0	3.2	35.7	36.0		17.1	18.0	
P	TEEJAY	57.4	60.1	61.5	2.3	35.5	36.0	35.9	17.7	18.5	18.5
P	JAKE	56.0			2.5	35.5			17.9		
~	SOUTHERN STATES RT 5160N*	55.5			2.8	35.5			18.1		
~	DELTA KING DK5161**	55.4	57.4	58.3	3.7	35.3	35.4	36.0	18.6	19.1	19.1
~	DELTA KING DK55T6**	55.0	58.4	56.7	3.3	35.3	35.2	35.5	17.5	18.5	18.2
~	UNISOUTH GENETICS USG 75M16	54.5			2.5	35.0			17.9		
P	ANAND**	59.7	60.2	59.9	2.3	34.7	35.2	35.4	18.6	18.8	18.9
NS	KS1642sp (low linolenic acid)	45.7	47.1		3.2	34.0	34.3		18.9	19.4	
	GROUP V AVERAGE	55.2	57.2	58.8	2.6	36.8	36.4	36.6	17.7	18.6	18.5
	LSD (0.10)	2.5	1.9	2.0	0.2						
	GRAND MEAN	56.3	55.7	59.9	2.1	36.9	37.0	36.7	18.4	19.3	19.0

~ 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 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.

B 2006 variety protein and oil concentration was determined at the Hancock Co. location (all test locations for NS entries) and expressed on the basis of 13% moisture. 2005 protein-oil data are from Caldwell Co. and 2004 protein-oil data are from Fayette Co.. These data were provided by the Iowa State University Grain Quality Analysis Services using near-infrared (NIR) analysis.

TABLE 4. 2006 SUMMARY: VARIETY TEST TABLES 5-9

SORTED BY 05-06 % PROTEIN

BRAND -- VARIETY	YIELD (BU/AC) <sup>A</sup>			LODGING	% PROTEIN <sup>B</sup>			% OIL <sup>B</sup>		
	2006	05-06	04-06		2006	05-06	04-06	2006	05-06	04-06
				sort						
<b>MATURITY GROUP II-III (RELATIVE MG 2.7-3.9)</b>										
~ EBBERTS 1365RR**	54.1	52.3	59.6	2.2	40.1	39.3	39.4	17.0	17.7	17.5
~ VIGORO V36N5RR**	59.2	54.6		2.2	40.2	39.2		16.8	17.6	
NS IA3022 (large seed, high protein)	45.3	42.4	46.9	2.4	39.4	39.2	39.6	18.7	18.8	18.3
NS IA3006PR (high protein, phytophthora resistance)	40.3	35.6		2.0	38.8	38.9		19.4	19.4	
NS IA3021 (large seed, high protein)	38.1	34.0	40.9	1.6	39.1	38.8	39.4	19.4	19.6	19.0
~ DEKALB DKB36-52*	59.7	54.0	58.5	1.5	38.4	38.3	39.1	17.5	18.1	17.7
~ GUTWEIN H-3606RR*	57.7	52.9		1.9	39.2	37.8		17.6	18.6	
~ STINE 3832-4**	56.3	53.5		1.9	38.0	37.5		19.3	19.8	
~ HELENA BRAND SEED 3676**	55.5	50.5		2.1	38.1	37.4		18.9	19.7	
~ UNISOUTH GENETICS USG 7393nRR**	55.9	55.1		1.5	38.2	37.2		19.5	20.3	
~ NK BRAND S37-N4**	57.9	53.9	58.8	2.2	37.3	37.1	37.7	18.1	18.7	18.6
~ CROPLAN GENETICS RC 3935 RR**	52.9	49.6		1.8	37.6	37.1		18.7	19.5	
~ HELENA BRAND SEED 3975**	57.4	54.6		1.7	36.8	37.0		18.5	19.0	
~ SOUTHERN CROSS STEPHEN 3.8 N, RR*	59.7	56.9	61.3	1.5	37.7	36.9	36.8	19.8	20.4	19.9
~ EBBERTS 1385RR	57.5	55.5	61.3	1.9	37.3	36.9	37.2	19.4	20.1	19.9
~ SEED CONSULTANTS SC 9386A RR*	56.9	53.1		1.9	36.7	36.8		18.4	19.2	
~ SOUTHERN STATES RT 3951N*	56.3	51.4		2.0	37.2	36.8		19.1	19.8	
~ DELTA AND PINE LAND DP 3861 RR*	56.0	53.2	58.2	1.8	37.4	36.7	37.0	18.7	19.2	18.8
~ ASGROW AG3906*	59.5	57.3		1.8	36.9	36.6		19.5	20.0	
~ DELTA KING DK3967**	53.2	49.9		2.1	37.1	36.6		18.8	19.6	
~ DELTA KING DK3968**	58.4	55.0	60.2	1.3	37.4	36.5	36.3	19.2	20.0	19.6
~ ASGROW AG3905*	62.6	59.3	62.9	1.7	36.9	36.4	36.6	18.5	19.2	19.1
~ PIONEER VARIETY 93M90*	59.0	55.6	61.1	1.5	36.9	36.4	36.7	18.9	19.0	18.8
~ SOUTHERN STATES RT 3851N**	56.9	54.0		1.7	36.2	36.2		18.7	19.5	
~ SEED CONSULTANTS SC 9396RR**	58.9	54.5		1.7	35.5	35.7		19.0	19.5	
~ VIGORO V38N5RS**	59.2	55.1	60.6	1.6	35.7	35.5	35.8	18.4	19.2	19.0
P IA 3023	46.8	41.7	48.8	1.7	35.9	35.3	35.4	19.4	20.1	19.8
~ ASGROW AG3705*	61.1			1.4	36.1			18.9		
~ EXCEL BRAND 8396RR/STS	60.4			2.1	36.9			19.0		
~ EBBERTS 1386RR**	59.5			2.0	37.1			19.2		
NS STEWART SEEDS SIG M40111	58.6			1.6	38.0			18.9		
~ SOUTHERN STATES RT 3860	58.5			1.4	36.0			19.2		
~ SEED CONSULTANTS SC 9386RR**	57.6			2.0	38.8			19.1		
~ SOUTHERN STATES RT 3760N*	57.3			1.7	36.3			18.7		
~ DELTA AND PINE LAND DPX3994RR*	57.1			1.8	37.0			18.3		
~ EBBERTS 1397RR**	56.5			2.1	36.1			19.0		
~ SEED CONSULTANTS SC 9387RR*	56.3			1.2	37.7			18.6		
~ DELTA KING DKXTJ39T6	56.3			1.6	36.6			18.6		
~ DELTAGROW 3950 RR*	56.1			1.8	38.7			19.0		
~ STEYER 3630 RR SCN**	56.0			1.3	36.1			19.5		
~ NKXR 3669	55.9			1.5	37.8			17.7		
~ DYNA-GRO 32C38**	55.6			1.3	36.0			18.1		
NS DIENER SEEDS D293	54.9			1.6	36.7			18.7		
~ HORNBECK HBK R3824	54.5			2.4	36.0			18.8		
~ CYST TECH RR0031CTA	53.5			1.6	38.2			18.6		
~ DELTA KING DK3964**	53.4			2.2	37.1			18.7		
NS DIENER SEEDS D300	52.8			1.3	36.2			18.8		
~ PIONEER VARIETY 93M42**	52.8			1.6	38.3			18.2		
NS STEWART SEEDS SIG M40619	51.7			2.1	35.6			20.1		
~ SOUTHERN CROSS GOSHEN 2.9 N, RR	49.6			1.6	39.7			19.1		
~ SOUTHERN STATES RT 2800	45.2			1.7	38.6			19.6		
~ LG C2777NRR	43.6			2.3	40.3			18.2		
NS IA3027 (large seed, high protein)	35.8			1.8	39.2			18.9		
GROUP III AVERAGE	54.7	51.7	56.8	1.8	37.5	37.2	37.5	18.8	19.3	18.9
LSD (0.10)	3.7	2.2	1.8	0.3						

**MATURITY GROUP EARLY IV (RELATIVE MG 4.0-4.5)**

NS IA4003 (large seed, high protein)	48.5	43.9		2.0	40.4	40.1		18.0	18.1	
~ PIONEER VARIETY 94M30*	58.4	55.0		2.0	40.1	38.8		17.9	18.9	
~ SOUTHERN STATES RT 4551N	57.5	59.0		2.0	38.5	38.1		18.2	18.5	
~ PIONEER VARIETY 94M50*	60.3	57.4		1.8	37.5	37.5		18.7	19.5	
~ ASGROW AG4404*	59.8	57.7		1.9	36.7	37.3		18.6	18.9	
~ SOUTHERN CROSS MICHAEL 4.2 N, RR, STS**	57.7	55.3	61.3	1.4	37.2	37.0	36.8	19.0	19.5	19.6
~ SOUTHERN STATES RT 4151N**	53.4	54.4		1.7	38.0	36.9		18.7	19.7	
~ SEED CONSULTANTS SC 9406RR*	54.1	50.5		1.8	37.5	36.6		18.2	19.2	
~ EXCEL BRAND 8427NRR/STS	59.1	56.5		1.3	36.4	36.5		19.2	19.4	
~ VIGORO V42N3RR**	58.4	55.2	62.7	1.3	36.8	36.5	36.4	19.4	19.8	19.8
~ NK BRAND S43-B1**	57.9	56.1	60.4	1.8	37.4	36.5	36.6	18.1	18.8	18.8
~ SEED CONSULTANTS SC 9436RR*	55.1	54.1		1.7	37.3	36.5		18.5	19.3	
~ SEED CONSULTANTS SC 9415RR**	53.7	53.0	59.3	1.1	38.0	36.5	36.8	19.0	20.0	19.8
~ SEED CONSULTANTS SC 9456RR**	57.1	56.2		2.2	36.1	36.4		18.3	19.1	
~ SOUTHERN CROSS MOAB 4.5 N, RR**	56.0	56.0		2.1	36.3	36.0		18.2	19.1	
~ DYNA-GRO 37A44**	53.7	55.8		2.2	35.8	35.9		18.7	19.2	
~ HELENA BRAND SEED 4375**	60.0	58.3	65.2	1.4	36.0	35.8	36.0	18.6	19.6	19.7
~ CROPLAN GENETICS RC 4455 RR**	58.3	57.9		2.0	35.9	35.7		18.6	19.5	
~ BECK 444NRR**	57.9	58.2		2.2	36.0	35.7		18.7	19.6	
~ SOUTHERN STATES RT 4451N**	56.7	59.7		2.1	35.9	35.7		18.3	19.3	
~ GUTWEIN H-4534RR**	62.2	59.9		1.9	35.7	35.4		19.2	20.2	
~ VIGORO V44N6RR**	57.2	58.1		2.2	35.3	35.4		18.7	19.6	
~ SOUTHERN STATES RT 4440N**	57.7	57.2	57.5	1.8	35.3	35.3	35.2	19.1	20.2	20.2
~ ASGROW AG4403*	56.8	57.4	62.3	1.8	35.4	35.1	35.5	19.0	20.2	20.0
~ DELTA AND PINE LAND DP 4331 RR*	59.3	58.4	63.7	1.7	35.3	35.0	35.4	18.9	20.2	20.1
~ DYNA-GRO DG3443NRR**	57.2	58.9	63.1	1.8	35.4	35.0	35.2	19.1	20.3	20.2
~ STINE 4402-4**	63.8			1.5	36.9			19.1		
~ DELTAGROW 4150 RR*	61.3			1.9	37.3			18.0		
~ GREAT LAKES GL 4129RR**	61.3			1.9	37.2			18.5		
~ CAVERNDALE CF 422 RR/STSn**	60.8			1.6	35.9			19.4		
~ DEKALB DKB42-51*	60.8			1.8	35.7			18.3		
~ BECK 422NRR**	60.5			1.5	37.1			19.2		
~ ADLER SEEDS 432RRN*	59.7			1.9	36.8			18.6		
~ ASGROW AG4103*	59.6			1.8	36.2			18.6		
~ VIGORO V42N7RS**	59.5			1.5	37.3			19.1		
~ DELTA KING DKXTJ744	59.4			1.7	36.3			19.1		
~ PIONEER VARIETY 94M31*	59.1			1.7	38.4			18.1		
~ EXCEL BRAND 8450NRR*	58.7			1.8	37.1			18.1		
~ SEED CONSULTANTS SC 9442RR**	58.2			2.0	35.6			19.2		
~ DELTAGROW 4460 RR**	57.8			2.3	36.3			18.5		
NS DIENER SEEDS D400S	57.7			2.1	36.3			19.6		
~ GREAT LAKES GL 4419RR**	56.6			2.2	36.0			18.5		
~ CROW'S C4444R**	56.4			2.0	36.4			18.2		
~ CYST TECH RREX40CTA	55.5			1.7	37.2			18.8		
~ STEYER 4420 RR SCN**	53.8			2.2	36.5			18.4		
~ CROPLAN GENETICS RC 4095 RR*	52.1			1.6	36.9			18.6		
~ DELTA AND PINE LAND DP 4112 RR/S	50.9			2.1	38.0			17.5		
~ DELTA AND PINE LAND DP 4546 RR	50.4			2.4	37.3			18.1		
EARLY GROUP IV AVERAGE	57.5	56.1	61.7	1.8	36.8	36.4	36.0	18.6	19.5	19.8
LSD (0.10)	3.0	2.0	2.1	0.3						

**MATURITY GROUP LATE IV (RELATIVE MG 4.6-4.9)**

~ GUTWEIN H-4878RR**	59.0	58.0		2.4	37.5	37.9		17.8	18.0	
~ DELTA AND PINE LAND DP 4724 RR*	57.8	58.4		2.1	37.3	37.9		18.3	18.9	
~ CROW'S C4815R**	58.6	58.0	62.1	2.0	37.8	37.7	38.0	17.5	18.4	18.6
~ DEKALB DKB46-51**	57.6	57.4	62.0	2.1	37.7	37.7	37.7	18.0	18.7	18.3
~ PIONEER VARIETY 94M80*	56.6	56.0		2.1	37.3	37.6		18.1	18.8	
~ SCHILLINGER SEED 495 RC*	55.9	57.0		2.3	36.8	37.6		17.9	17.9	
~ EXCEL BRAND 8493NRR*	54.2	56.7		2.1	37.7	37.6		17.3	18.0	
~ CROPLAN GENETICS RC 4842 RR**	55.1	55.2	60.2	2.0	37.6	37.5	37.5	18.2	19.0	19.1
~ DELTA KING DK4763*	54.9	57.2	62.1	2.0	37.8	37.5	37.9	18.5	19.1	18.7
~ VIGORO V49N6RR**	60.5	60.8		2.4	36.6	37.2		18.0	18.3	
~ PIONEER VARIETY 94B73	58.5	57.9	62.8	2.1	37.6	37.0	37.4	18.2	18.8	19.1
~ DELTA KING DK4967**	56.6	57.9	62.8	2.2	37.3	37.0	37.0	17.9	19.0	19.0
~ ASGROW AG4801*	57.1	58.7	62.2	1.6	36.7	36.9	36.9	18.9	19.6	19.6
~ SOUTHERN STATES RT 4651N**	55.0	55.4		1.8	36.9	36.9		17.0	17.9	
~ UNISOUTH GENETICS USG 7494nRR**	55.4	57.1	63.1	2.4	36.7	36.8	36.8	18.4	19.2	19.1
~ CROPLAN GENETICS RC 4655 RR*	49.8	51.6		1.9	37.4	36.8		17.3	19.1	
~ NK BRAND S49-Q9**	60.2	60.3	63.0	2.0	36.1	36.6	36.2	17.8	18.3	18.4
~ ASGROW AG4703	58.8	59.8		1.7	36.0	36.6		18.0	18.7	
~ DELTA KING DK4764**	58.4	57.9		2.2	36.1	36.2		18.2	18.2	
~ SOUTHERN CROSS DAN 4.8 N, RR**	55.2	57.3		2.2	36.5	36.2		18.5	19.0	
~ SOUTHERN STATES RT 4981N**	55.6	56.7		2.1	35.7	36.1		18.5	19.2	
~ DELTAGROW 4840 RR**	54.5	56.3	61.1	2.5	36.6	36.1	36.2	18.6	19.1	19.1
~ HELENA BRAND SEED 4875**	53.1	56.4	61.6	2.2	36.8	36.1	36.4	17.8	18.5	18.5
~ UNISOUTH GENETICS USG 7484nRR**	54.3	57.0	62.2	2.1	37.0	36.0	36.1	18.2	18.9	18.9
~ ASGROW AG4903	59.0	60.1		2.0	35.1	35.8		18.6	19.3	
~ HORNBECK HBK R4724	56.6	58.4		2.1	36.2	35.8		18.1	18.8	
~ STEYER 4700 RR SCN**	60.1	60.6	65.0	1.9	35.7	35.7	35.8	19.2	20.0	20.0
~ TRISOY 4858RR(CN)*	58.1	58.5		2.0	35.2	35.6		18.2	18.7	
~ DELTA KING DK4866*	57.9	57.9	63.6	2.1	35.9	35.5	35.9	17.9	18.8	19.0
~ DELTA KING DK4667**	56.5	56.9		2.7	35.3	35.5		18.3	19.2	
~ DYNA-GRO 35Z49**	55.0	57.5		2.1	35.3	35.4		18.4	18.9	
~ CROPLAN GENETICS RC 4955 RR*	56.3	56.8		2.1	35.2	35.3		18.7	19.6	
~ DELTA KING DK4461	59.4	58.5	64.7	1.9	35.2	35.0	35.3	19.2	20.3	20.1
~ SOUTHERN STATES RT 4808N**	60.0	60.8		2.0	34.1	34.9		18.4	18.9	
~ SOUTHERN CROSS ELI 4.7 N, STS, RR	63.5			1.3	34.2			19.6		
~ STINE 4782-4	63.2			1.3	34.3			19.2		
~ NKXR 4669**	61.6			1.9	36.3			18.1		
~ GREAT LAKES GL 4709RR**	60.5			1.4	34.3			19.4		
~ DELTAGROW 4970 RR**	60.3			2.5	36.5			17.9		
~ EXCEL BRAND 8447NRR*	60.2			1.9	36.4			17.7		
~ NKXR 4967**	59.5			2.3	36.2			18.3		
~ CROW'S C4817R**	59.0			2.1	34.7			18.3		
~ UNISOUTH GENETICS USG 74A76**	58.5			2.5	35.4			18.8		
~ SOUTHERN STATES RT 4777N**	58.5			2.4	36.9			18.7		
~ SOUTHERN STATES RT 4760N**	58.4			2.3	37.8			18.2		
~ EXCEL BRAND 8481NRR*	58.3			2.2	37.0			18.2		
~ CAVERNDALE CF 482 RRn*	58.1			2.0	37.9			18.1		
~ DELTAGROW 4860 RR**	58.0			2.0	37.8			18.6		
~ SOUTHERN STATES RT 4996N**	58.0			2.2	36.5			19.0		
~ HORNBECK HBK R4924**	57.7			2.3	34.9			18.6		
~ SEED CONSULTANTS SC 9466RR**	57.6			1.9	36.7			17.9		
~ DELTA KING DK4968	57.0			2.4	35.6			18.1		
~ DELTA KING DKXTJ750	56.5			2.1	37.6			17.6		
~ DYNA-GRO 38T47**	56.2			2.1	38.4			17.6		
~ DELTA AND PINE LAND DP 4919 RR/S	56.1			2.3	38.2			18.3		
~ ADLER SEEDS 492RRN*	55.7			2.0	34.7			18.3		
~ STEYER 4600 RR SCN**	55.7			2.0	36.2			18.3		
LATE GROUP IV AVERAGE	57.5	57.7	62.6	2.1	36.4	36.5	36.7	18.3	18.9	19.0
LSD (0.10)	2.8	2.0	2.1	0.2						

**MATURITY GROUP V**

	UNISOUTH GENETICS USG 5601T	<b>61.3</b>	<b>64.0</b>	<b>66.2</b>	2.6	37.9	<b>38.0</b>	37.7	16.7	17.6	17.8
NS	KS5005sp (large seed, high protein)	51.3	52.6	55.2	2.6	37.6	<b>38.0</b>	38.2	17.4	17.9	17.9
~	DELTA KING DK5066**	55.5	58.4		2.2	37.3	<b>37.7</b>		18.5	18.9	
~	SOUTHERN STATES RT 5130N**	50.5	55.0	55.5	2.8	37.5	<b>37.7</b>	37.8	17.3	18.1	17.8
~	VIGORO V50N5RR**	56.2	57.8	61.3	2.5	37.9	<b>37.4</b>	37.3	18.0	18.6	18.8
~	DELTA KING DK5366**	52.6	57.5	55.9	3.5	36.3	<b>36.9</b>	37.2	17.1	18.2	17.8
~	GUTWEIN H-5053RR**	52.5	55.1	61.0	2.7	36.7	<b>36.9</b>	37.3	17.9	18.6	18.6
~	SOUTHERN STATES RT 5540N**	54.5	56.7	58.4	2.7	36.8	<b>36.5</b>	36.8	18.0	18.9	18.7
P	HUTCHESON	54.3	59.0	58.5	2.7	36.6	<b>36.4</b>	36.2	17.9	18.7	18.7
	UNISOUTH GENETICS USG 5002T	<b>60.5</b>	<b>63.9</b>	64.0	2.7	36.0	<b>36.1</b>	35.7	18.3	19.1	19.2
~	UNISOUTH GENETICS USG 75J32**	57.5	59.4	60.7	2.3	36.5	<b>36.1</b>	36.2	17.8	18.4	18.2
P	TEEJAY	57.4	60.1	61.5	2.3	35.5	<b>36.0</b>	35.9	17.7	18.5	18.5
~	DELTA KING DK5567*	56.1	60.5	60.0	3.2	35.7	<b>36.0</b>		17.1	18.0	
NS	KS5003sp (small seeded variety)	46.2	46.5	47.2	3.5	35.8	<b>35.8</b>	35.7	19.1	19.2	19.2
~	DELTA KING DK5161**	55.4	57.4	58.3	3.7	35.3	<b>35.4</b>	36.0	18.6	19.1	19.1
P	ANAND**	<b>59.7</b>	60.2	59.9	2.3	34.7	<b>35.2</b>	35.4	18.6	18.8	18.9
~	DELTA KING DK55T6**	55.0	58.4	56.7	3.3	35.3	<b>35.2</b>	35.5	17.5	18.5	18.2
NS	KS1642sp (low linolenic acid)	45.7	47.1		3.2	34.0	<b>34.3</b>		18.9	19.4	
~	UNISOUTH GENETICS USG 56379	<b>61.2</b>			2.5	36.5			16.7		
~	DELTA GROW 5160 RR**	<b>61.1</b>			2.4	37.6			18.1		
~	UNISOUTH GENETICS USG ALLEN	<b>58.9</b>			2.6	36.6			16.8		
~	SOUTHERN CROSS DAMASCUS 5.0 N, RR	58.7			2.4	37.3			18.4		
~	EXCEL BRAND 8520NRR*	58.7			2.4	37.2			17.2		
~	DELTA KING DK52K6**	57.8			2.9	37.6			17.6		
~	VIGORO V50N7RS**	57.7			2.3	37.3			18.7		
~	EXCEL BRAND 8512NRR*	57.6			2.3	36.9			18.1		
~	NKXR 5068*	56.4			2.0	36.9			17.3		
~	UNISOUTH GENETICS USG 56293	56.3			2.9	37.1			17.0		
P	JAKE	56.0			2.5	35.5			17.9		
~	DELTA KING DK5368	55.8			3.6	38.2			17.8		
~	SOUTHERN STATES RT 5160N*	55.5			2.8	35.5			18.1		
~	TRISOY 5060RR(CN)*	55.2			2.3	37.6			17.6		
~	UNISOUTH GENETICS USG 7515nRS**	54.6			2.4	37.7			18.0		
~	UNISOUTH GENETICS USG 56124	54.5			2.7	37.2			17.1		
~	UNISOUTH GENETICS USG 75M16	54.5			2.5	35.0			17.9		
~	HORNBECK HBK R5226*	53.6			3.5	37.7			17.2		
~	DELTA KING DKXTJ703*	53.1			2.5	36.3			17.4		
~	DELTA KING DKXTJ704	53.1			2.1	37.7			17.8		
~	PIONEER VARIETY 95M30**	52.5			3.1	36.2			16.7		
~	DELTA AND PINE LAND DP 5115 RR/S	52.3			2.2	36.9			17.6		
NS	K03-3825 (high protein)	50.8			1.7	37.9			17.5		
NS	K03-3821 (high protein)	49.8			2.0	39.9			17.8		
	GROUP V AVERAGE	55.2	57.2	58.8	2.6	36.8	<b>36.4</b>	36.6	17.7	18.6	18.5
	LSD (0.10)	2.5	1.9	2.0	0.2						
	GRAND MEAN	56.3	55.7	59.9	2.1	36.9	<b>37.0</b>	36.7	18.4	19.3	19.0

~ 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 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.

B 2006 variety protein and oil concentration was determined at the Hancock Co. location (all test locations for NS entries) and expressed on the basis of 13% moisture. 2005 protein-oil data are from Caldwell Co. and 2004 protein-oil data are from Fayette Co..

These data were provided by the Iowa State University Grain Quality Analysis Services using near-infrared (NIR) analysis.

TABLE 4. 2006 SUMMARY: VARIETY TEST TABLES 5-9

SORTED BY 04-06 % PROTEIN

BRAND -- VARIETY	YIELD (BU/AC) <sup>A</sup>			LODGING	% PROTEIN <sup>B</sup>			% OIL <sup>B</sup>		
	2006	05-06	04-06		2006	05-06	04-06	2006	05-06	04-06
<b>MATURITY GROUP II-III (RELATIVE MG 2.7-3.9)</b>										
NS IA3022 (large seed, high protein)	45.3	42.4	46.9	2.4	39.4	39.2	39.6	18.7	18.8	18.3
~ EBBERTS 1365RR**	54.1	52.3	59.6	2.2	40.1	39.3	39.4	17.0	17.7	17.5
NS IA3021 (large seed, high protein)	38.1	34.0	40.9	1.6	39.1	38.8	39.4	19.4	19.6	19.0
~ DEKALB DKB36-52*	59.7	54.0	58.5	1.5	38.4	38.3	39.1	17.5	18.1	17.7
~ NK BRAND S37-N4**	57.9	53.9	58.8	2.2	37.3	37.1	37.7	18.1	18.7	18.6
~ EBBERTS 1385RR	57.5	55.5	61.3	1.9	37.3	36.9	37.2	19.4	20.1	19.9
~ DELTA AND PINE LAND DP 3861 RR*	56.0	53.2	58.2	1.8	37.4	36.7	37.0	18.7	19.2	18.8
~ SOUTHERN CROSS STEPHEN 3.8 N, RR*	59.7	56.9	61.3	1.5	37.7	36.9	36.8	19.8	20.4	19.9
~ PIONEER VARIETY 93M90*	59.0	55.6	61.1	1.5	36.9	36.4	36.7	18.9	19.0	18.8
~ ASGROW AG3905*	62.6	59.3	62.9	1.7	36.9	36.4	36.6	18.5	19.2	19.1
~ DELTA KING DK3968**	58.4	55.0	60.2	1.3	37.4	36.5	36.3	19.2	20.0	19.6
~ VIGORO V38N5RS**	59.2	55.1	60.6	1.6	35.7	35.5	35.8	18.4	19.2	19.0
P IA 3023	46.8	41.7	48.8	1.7	35.9	35.3	35.4	19.4	20.1	19.8
~ ASGROW AG3705*	61.1			1.4	36.1			18.9		
~ EXCEL BRAND 8396RR/STS	60.4			2.1	36.9			19.0		
~ EBBERTS 1386RR**	59.5			2.0	37.1			19.2		
~ ASGROW AG3906*	59.5	57.3		1.8	36.9	36.6		19.5	20.0	
~ VIGORO V36N5RR**	59.2	54.6		2.2	40.2	39.2		16.8	17.6	
~ SEED CONSULTANTS SC 9396RR**	58.9	54.5		1.7	35.5	35.7		19.0	19.5	
NS STEWART SEEDS SIG M40111	58.6			1.6	38.0			18.9		
~ SOUTHERN STATES RT 3860	58.5			1.4	36.0			19.2		
~ GUTWEIN H-3606RR*	57.7	52.9		1.9	39.2	37.8		17.6	18.6	
~ SEED CONSULTANTS SC 9386RR**	57.6			2.0	38.8			19.1		
~ HELENA BRAND SEED 3975**	57.4	54.6		1.7	36.8	37.0		18.5	19.0	
~ SOUTHERN STATES RT 3760N*	57.3			1.7	36.3			18.7		
~ DELTA AND PINE LAND DPX3994RR*	57.1			1.8	37.0			18.3		
~ SEED CONSULTANTS SC 9386A RR*	56.9	53.1		1.9	36.7	36.8		18.4	19.2	
~ SOUTHERN STATES RT 3851N**	56.9	54.0		1.7	36.2	36.2		18.7	19.5	
~ EBBERTS 1397RR**	56.5			2.1	36.1			19.0		
~ STINE 3832-4**	56.3	53.5		1.9	38.0	37.5		19.3	19.8	
~ SEED CONSULTANTS SC 9387RR*	56.3			1.2	37.7			18.6		
~ DELTA KING DKXTJ39T6	56.3			1.6	36.6			18.6		
~ SOUTHERN STATES RT 3951N*	56.3	51.4		2.0	37.2	36.8		19.1	19.8	
~ DELTAGROW 3950 RR*	56.1			1.8	38.7			19.0		
~ STEYER 3630 RR SCN**	56.0			1.3	36.1			19.5		
~ UNISOUTH GENETICS USG 7393nRR**	55.9	55.1		1.5	38.2	37.2		19.5	20.3	
~ NKXR 3669	55.9			1.5	37.8			17.7		
~ DYNA-GRO 32C38**	55.6			1.3	36.0			18.1		
~ HELENA BRAND SEED 3676**	55.5	50.5		2.1	38.1	37.4		18.9	19.7	
NS DIENER SEEDS D293	54.9			1.6	36.7			18.7		
~ HORNBECK HBK R3824	54.5			2.4	36.0			18.8		
~ CYST TECH RR0031CTA	53.5			1.6	38.2			18.6		
~ DELTA KING DK3964**	53.4			2.2	37.1			18.7		
~ DELTA KING DK3967**	53.2	49.9		2.1	37.1	36.6		18.8	19.6	
~ CROPLAN GENETICS RC 3935 RR**	52.9	49.6		1.8	37.6	37.1		18.7	19.5	
NS DIENER SEEDS D300	52.8			1.3	36.2			18.8		
~ PIONEER VARIETY 93M42**	52.8			1.6	38.3			18.2		
NS STEWART SEEDS SIG M40619	51.7			2.1	35.6			20.1		
~ SOUTHERN CROSS GOSHEN 2.9 N, RR	49.6			1.6	39.7			19.1		
~ SOUTHERN STATES RT 2800	45.2			1.7	38.6			19.6		
~ LG C2777NRR	43.6			2.3	40.3			18.2		
NS IA3006PR (high protein, phytophthora resistance)	40.3	35.6		2.0	38.8	38.9		19.4	19.4	
NS IA3027 (large seed, high protein)	35.8			1.8	39.2			18.9		
GROUP III AVERAGE	54.7	51.7	56.8	1.8	37.5	37.2	37.5	18.8	19.3	18.9
LSD (0.10)	3.7	2.2	1.8	0.3						

**MATURITY GROUP EARLY IV (RELATIVE MG 4.0-4.5)**

~ SOUTHERN CROSS MICHAEL 4.2 N, RR, STS**	57.7	55.3	61.3	1.4	37.2	37.0	36.8	19.0	19.5	19.6
~ SEED CONSULTANTS SC 9415RR**	53.7	53.0	59.3	1.1	38.0	36.5	36.8	19.0	20.0	19.8
~ NK BRAND S43-B1**	57.9	56.1	60.4	1.8	37.4	36.5	36.6	18.1	18.8	18.8
~ VIGORO V42N3RR**	58.4	55.2	62.7	1.3	36.8	36.5	36.4	19.4	19.8	19.8
~ HELENA BRAND SEED 4375**	60.0	58.3	65.2	1.4	36.0	35.8	36.0	18.6	19.6	19.7
~ ASGROW AG4403*	56.8	57.4	62.3	1.8	35.4	35.1	35.5	19.0	20.2	20.0
~ DELTA AND PINE LAND DP 4331 RR*	59.3	58.4	63.7	1.7	35.3	35.0	35.4	18.9	20.2	20.1
~ SOUTHERN STATES RT 4440N**	57.7	57.2	57.5	1.8	35.3	35.3	35.2	19.1	20.2	20.2
~ DYNA-GRO DG3443NRR**	57.2	58.9	63.1	1.8	35.4	35.0	35.2	19.1	20.3	20.2
~ STINE 4402-4**	63.8			1.5	36.9			19.1		
~ GUTWEIN H-4534RR**	62.2	59.9		1.9	35.7	35.4		19.2	20.2	
~ DELTAGROW 4150 RR*	61.3			1.9	37.3			18.0		
~ GREAT LAKES GL 4129RR**	61.3			1.9	37.2			18.5		
~ CAVERNDAL CF 422 RR/STSn**	60.8			1.6	35.9			19.4		
~ DEKALB DKB42-51*	60.8			1.8	35.7			18.3		
BECK 422NRR**	60.5			1.5	37.1			19.2		
~ PIONEER VARIETY 94M50*	60.3	57.4		1.8	37.5	37.5		18.7	19.5	
~ ASGROW AG4404*	59.8	57.7		1.9	36.7	37.3		18.6	18.9	
~ ADLER SEEDS 432RRN*	59.7			1.9	36.8			18.6		
~ ASGROW AG4103*	59.6			1.8	36.2			18.6		
~ VIGORO V42N7RS**	59.5			1.5	37.3			19.1		
~ DELTA KING DKXTJ744	59.4			1.7	36.3			19.1		
~ PIONEER VARIETY 94M31*	59.1			1.7	38.4			18.1		
~ EXCEL BRAND 8427NRR/STS	59.1	56.5		1.3	36.4	36.5		19.2	19.4	
~ EXCEL BRAND 8450NRR*	58.7			1.8	37.1			18.1		
~ PIONEER VARIETY 94M30*	58.4	55.0		2.0	40.1	38.8		17.9	18.9	
~ CROPLAN GENETICS RC 4455 RR**	58.3	57.9		2.0	35.9	35.7		18.6	19.5	
~ SEED CONSULTANTS SC 9442RR**	58.2			2.0	35.6			19.2		
~ BECK 444NRR**	57.9	58.2		2.2	36.0	35.7		18.7	19.6	
~ DELTAGROW 4460 RR**	57.8			2.3	36.3			18.5		
NS DIENER SEEDS D400S	57.7			2.1	36.3			19.6		
~ SOUTHERN STATES RT 4551N	57.5	59.0		2.0	38.5	38.1		18.2	18.5	
~ VIGORO V44N6RR**	57.2	58.1		2.2	35.3	35.4		18.7	19.6	
~ SEED CONSULTANTS SC 9456RR**	57.1	56.2		2.2	36.1	36.4		18.3	19.1	
~ SOUTHERN STATES RT 4451N**	56.7	59.7		2.1	35.9	35.7		18.3	19.3	
~ GREAT LAKES GL 4419RR**	56.6			2.2	36.0			18.5		
~ CROW'S C4444R**	56.4			2.0	36.4			18.2		
~ SOUTHERN CROSS MOAB 4.5 N, RR**	56.0	56.0		2.1	36.3	36.0		18.2	19.1	
~ CYST TECH RREX40CTA	55.5			1.7	37.2			18.8		
~ SEED CONSULTANTS SC 9436RR*	55.1	54.1		1.7	37.3	36.5		18.5	19.3	
~ SEED CONSULTANTS SC 9406RR*	54.1	50.5		1.8	37.5	36.6		18.2	19.2	
~ STEYER 4420 RR SCN**	53.8			2.2	36.5			18.4		
~ DYNA-GRO 37A44**	53.7	55.8		2.2	35.8	35.9		18.7	19.2	
~ SOUTHERN STATES RT 4151N**	53.4	54.4		1.7	38.0	36.9		18.7	19.7	
~ CROPLAN GENETICS RC 4095 RR*	52.1			1.6	36.9			18.6		
~ DELTA AND PINE LAND DP 4112 RR/S	50.9			2.1	38.0			17.5		
~ DELTA AND PINE LAND DP 4546 RR	50.4			2.4	37.3			18.1		
NS IA4003 (large seed, high protein)	48.5	43.9		2.0	40.4	40.1		18.0	18.1	
EARLY GROUP IV AVERAGE	57.5	56.1	61.7	1.8	36.8	36.4	36.0	18.6	19.5	19.8
LSD (0.10)	3.0	2.0	2.1	0.3						

**MATURITY GROUP LATE IV (RELATIVE MG 4.6-4.9)**

~ CROW'S C4815R**	58.6	58.0	62.1	2.0	37.8	37.7	38.0	17.5	18.4	18.6
~ DELTA KING DK4763*	54.9	57.2	62.1	2.0	37.8	37.5	37.9	18.5	19.1	18.7
~ DEKALB DKB46-51**	57.6	57.4	62.0	2.1	37.7	37.7	37.7	18.0	18.7	18.3
~ CROPLAN GENETICS RC 4842 RR**	55.1	55.2	60.2	2.0	37.6	37.5	37.5	18.2	19.0	19.1
~ PIONEER VARIETY 94B73	58.5	57.9	62.8	2.1	37.6	37.0	37.4	18.2	18.8	19.1
~ DELTA KING DK4967**	56.6	57.9	62.8	2.2	37.3	37.0	37.0	17.9	19.0	19.0
~ ASGROW AG4801*	57.1	58.7	62.2	1.6	36.7	36.9	36.9	18.9	19.6	19.6
~ UNISOUTH GENETICS USG 7494nRR**	55.4	57.1	63.1	2.4	36.7	36.8	36.8	18.4	19.2	19.1
~ HELENA BRAND SEED 4875**	53.1	56.4	61.6	2.2	36.8	36.1	36.4	17.8	18.5	18.5
~ NK BRAND S49-Q9**	60.2	60.3	63.0	2.0	36.1	36.6	36.2	17.8	18.3	18.4
~ DELTAGROW 4840 RR**	54.5	56.3	61.1	2.5	36.6	36.1	36.2	18.6	19.1	19.1
~ UNISOUTH GENETICS USG 7484nRR**	54.3	57.0	62.2	2.1	37.0	36.0	36.1	18.2	18.9	18.9
~ DELTA KING DK4866*	57.9	57.9	63.6	2.1	35.9	35.5	35.9	17.9	18.8	19.0
~ STEYER 4700 RR SCN**	60.1	60.6	65.0	1.9	35.7	35.7	35.8	19.2	20.0	20.0
~ DELTA KING DK4461	59.4	58.5	64.7	1.9	35.2	35.0	35.3	19.2	20.3	20.1
~ SOUTHERN CROSS ELI 4.7 N, STS, RR	63.5			1.3	34.2			19.6		
~ STINE 4782-4	63.2			1.3	34.3			19.2		
~ NKXR 4669**	61.6			1.9	36.3			18.1		
~ GREAT LAKES GL 4709RR**	60.5			1.4	34.3			19.4		
~ VIGORO V49N6RR**	60.5	60.8		2.4	36.6	37.2		18.0	18.3	
~ DELTAGROW 4970 RR**	60.3			2.5	36.5			17.9		
~ EXCEL BRAND 8447NRR*	60.2			1.9	36.4			17.7		
~ SOUTHERN STATES RT 4808N**	60.0	60.8		2.0	34.1	34.9		18.4	18.9	
~ NKXR 4967**	59.5			2.3	36.2			18.3		
~ ASGROW AG4903	59.0	60.1		2.0	35.1	35.8		18.6	19.3	
~ GUTWEIN H-4878RR**	59.0	58.0		2.4	37.5	37.9		17.8	18.0	
~ CROW'S C4817R**	59.0			2.1	34.7			18.3		
~ ASGROW AG4703	58.8	59.8		1.7	36.0	36.6		18.0	18.7	
~ UNISOUTH GENETICS USG 74A76**	58.5			2.5	35.4			18.8		
~ SOUTHERN STATES RT 4777N**	58.5			2.4	36.9			18.7		
~ SOUTHERN STATES RT 4760N**	58.4			2.3	37.8			18.2		
~ DELTA KING DK4764**	58.4	57.9		2.2	36.1	36.2		18.2	18.2	
~ EXCEL BRAND 8481NRR*	58.3			2.2	37.0			18.2		
~ TRISOY 4858RR(CN)*	58.1	58.5		2.0	35.2	35.6		18.2	18.7	
~ CAVERNDALE CF 482 RRn*	58.1			2.0	37.9			18.1		
~ DELTAGROW 4860 RR**	58.0			2.0	37.8			18.6		
~ SOUTHERN STATES RT 4996N**	58.0			2.2	36.5			19.0		
~ DELTA AND PINE LAND DP 4724 RR*	57.8	58.4		2.1	37.3	37.9		18.3	18.9	
~ HORNBECK HBK R4924**	57.7			2.3	34.9			18.6		
~ SEED CONSULTANTS SC 9466RR**	57.6			1.9	36.7			17.9		
~ DELTA KING DK4968	57.0			2.4	35.6			18.1		
~ HORNBECK HBK R4724	56.6	58.4		2.1	36.2	35.8		18.1	18.8	
~ PIONEER VARIETY 94M80*	56.6	56.0		2.1	37.3	37.6		18.1	18.8	
~ DELTA KING DKXTJ750	56.5			2.1	37.6			17.6		
~ DELTA KING DK4667**	56.5	56.9		2.7	35.3	35.5		18.3	19.2	
~ CROPLAN GENETICS RC 4955 RR*	56.3	56.8		2.1	35.2	35.3		18.7	19.6	
~ DYNA-GRO 38T47**	56.2			2.1	38.4			17.6		
~ DELTA AND PINE LAND DP 4919 RR/S	56.1			2.3	38.2			18.3		
~ SCHILLINGER SEED 495 RC*	55.9	57.0		2.3	36.8	37.6		17.9	17.9	
~ ADLER SEEDS 492RRN*	55.7			2.0	34.7			18.3		
~ STEYER 4600 RR SCN**	55.7			2.0	36.2			18.3		
~ SOUTHERN STATES RT 4981N**	55.6	56.7		2.1	35.7	36.1		18.5	19.2	
~ SOUTHERN CROSS DAN 4.8 N, RR**	55.2	57.3		2.2	36.5	36.2		18.5	19.0	
~ DYNA-GRO 35Z49**	55.0	57.5		2.1	35.3	35.4		18.4	18.9	
~ SOUTHERN STATES RT 4651N**	55.0	55.4		1.8	36.9	36.9		17.0	17.9	
~ EXCEL BRAND 8493NRR*	54.2	56.7		2.1	37.7	37.6		17.3	18.0	
~ CROPLAN GENETICS RC 4655 RR*	49.8	51.6		1.9	37.4	36.8		17.3	19.1	
LATE GROUP IV AVERAGE	57.5	57.7	62.6	2.1	36.4	36.5	36.7	18.3	18.9	19.0
LSD (0.10)	2.8	2.0	2.1	0.2						



**MATURITY GROUP V**

NS	KS5005sp (large seed, high protein)	51.3	52.6	55.2	2.6	37.6	38.0	38.2	17.4	17.9	17.9
~	SOUTHERN STATES RT 5130N**	50.5	55.0	55.5	2.8	37.5	37.7	37.8	17.3	18.1	17.8
	UNISOUTH GENETICS USG 5601T	61.3	64.0	66.2	2.6	37.9	38.0	37.7	16.7	17.6	17.8
~	VIGORO V50N5RR**	56.2	57.8	61.3	2.5	37.9	37.4	37.3	18.0	18.6	18.8
~	GUTWEIN H-5053RR**	52.5	55.1	61.0	2.7	36.7	36.9	37.3	17.9	18.6	18.6
~	DELTA KING DK5366**	52.6	57.5	55.9	3.5	36.3	36.9	37.2	17.1	18.2	17.8
~	SOUTHERN STATES RT 5540N**	54.5	56.7	58.4	2.7	36.8	36.5	36.8	18.0	18.9	18.7
~	UNISOUTH GENETICS USG 75J32**	57.5	59.4	60.7	2.3	36.5	36.1	36.2	17.8	18.4	18.2
P	HUTCHESON	54.3	59.0	58.5	2.7	36.6	36.4	36.2	17.9	18.7	18.7
~	DELTA KING DK5161**	55.4	57.4	58.3	3.7	35.3	35.4	36.0	18.6	19.1	19.1
P	TEEJAY	57.4	60.1	61.5	2.3	35.5	36.0	35.9	17.7	18.5	18.5
	UNISOUTH GENETICS USG 5002T	60.5	63.9	64.0	2.7	36.0	36.1	35.7	18.3	19.1	19.2
NS	KS5003sp (small seeded variety)	46.2	46.5	47.2	3.5	35.8	35.8	35.7	19.1	19.2	19.2
~	DELTA KING DK55T6**	55.0	58.4	56.7	3.3	35.3	35.2	35.5	17.5	18.5	18.2
P	ANAND**	59.7	60.2	59.9	2.3	34.7	35.2	35.4	18.6	18.8	18.9
~	UNISOUTH GENETICS USG 56379	61.2			2.5	36.5			16.7		
~	DELTA GROW 5160 RR**	61.1			2.4	37.6			18.1		
~	UNISOUTH GENETICS USG ALLEN	58.9			2.6	36.6			16.8		
~	SOUTHERN CROSS DAMASCUS 5.0 N, RR	58.7			2.4	37.3			18.4		
~	EXCEL BRAND 8520NRR*	58.7			2.4	37.2			17.2		
~	DELTA KING DK52K6**	57.8			2.9	37.6			17.6		
~	VIGORO V50N7RS**	57.7			2.3	37.3			18.7		
~	EXCEL BRAND 8512NRR*	57.6			2.3	36.9			18.1		
~	NKXR 5068*	56.4			2.0	36.9			17.3		
~	UNISOUTH GENETICS USG 56293	56.3			2.9	37.1			17.0		
~	DELTA KING DK5567*	56.1	60.5	60.0	3.2	35.7	36.0		17.1	18.0	
P	JAKE	56.0			2.5	35.5			17.9		
~	DELTA KING DK5368	55.8			3.6	38.2			17.8		
~	DELTA KING DK5066**	55.5	58.4		2.2	37.3	37.7		18.5	18.9	
~	SOUTHERN STATES RT 5160N*	55.5			2.8	35.5			18.1		
~	TRISOY 5060RR(CN)*	55.2			2.3	37.6			17.6		
~	UNISOUTH GENETICS USG 7515nRS**	54.6			2.4	37.7			18.0		
~	UNISOUTH GENETICS USG 56124	54.5			2.7	37.2			17.1		
~	UNISOUTH GENETICS USG 75M16	54.5			2.5	35.0			17.9		
~	HORNBECK HBK R5226*	53.6			3.5	37.7			17.2		
~	DELTA KING DKXTJ703*	53.1			2.5	36.3			17.4		
~	DELTA KING DKXTJ704	53.1			2.1	37.7			17.8		
~	PIONEER VARIETY 95M30**	52.5			3.1	36.2			16.7		
~	DELTA AND PINE LAND DP 5115 RR/S	52.3			2.2	36.9			17.6		
NS	K03-3825 (high protein)	50.8			1.7	37.9			17.5		
NS	K03-3821 (high protein)	49.8			2.0	39.9			17.8		
NS	KS1642sp (low linolenic acid)	45.7	47.1		3.2	34.0	34.3		18.9	19.4	
	GROUP V AVERAGE	55.2	57.2	58.8	2.6	36.8	36.4	36.6	17.7	18.6	18.5
	LSD (0.10)	2.5	1.9	2.0	0.2						
	GRAND MEAN	56.3	55.7	59.9	2.1	36.9	37.0	36.7	18.4	19.3	19.0

~ 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 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.

B 2006 variety protein and oil concentration was determined at the Hancock Co. location (all test locations for NS entries) and expressed on the basis of 13% moisture. 2005 protein-oil data are from Caldwell Co. and 2004 protein-oil data are from Fayette Co.. These data were provided by the Iowa State University Grain Quality Analysis Services using near-infrared (NIR) analysis.

TABLE 4. 2006 SUMMARY: VARIETY TEST TABLES 5-9

SORTED BY 2006 % OIL

BRAND -- VARIETY	YIELD (BU/AC) <sup>A</sup>			LODGING	% PROTEIN <sup>B</sup>			% OIL <sup>B</sup>		
	2006	05-06	04-06		2006	05-06	04-06	2006	05-06	04-06
<b>MATURITY GROUP II-III (RELATIVE MG 2.7-3.9)</b>										
NS STEWART SEEDS SIG M40619	51.7			2.1	35.6			20.1		
~ SOUTHERN CROSS STEPHEN 3.8 N, RR*	59.7	56.9	61.3	1.5	37.7	36.9	36.8	19.8	20.4	19.9
~ SOUTHERN STATES RT 2800	45.2			1.7	38.6			19.6		
~ ASGROW AG3906*	59.5	57.3		1.8	36.9	36.6		19.5	20.0	
~ STEYER 3630 RR SCN**	56.0			1.3	36.1			19.5		
~ UNISOUTH GENETICS USG 7393nRR**	55.9	55.1		1.5	38.2	37.2		19.5	20.3	
~ EBBERTS 1385RR	57.5	55.5	61.3	1.9	37.3	36.9	37.2	19.4	20.1	19.9
P IA 3023	46.8	41.7	48.8	1.7	35.9	35.3	35.4	19.4	20.1	19.8
NS IA3006PR (high protein, phytophthora resistance)	40.3	35.6		2.0	38.8	38.9		19.4	19.4	
NS IA3021 (large seed, high protein)	38.1	34.0	40.9	1.6	39.1	38.8	39.4	19.4	19.6	19.0
~ STINE 3832-4**	56.3	53.5		1.9	38.0	37.5		19.3	19.8	
~ EBBERTS 1386RR**	59.5			2.0	37.1			19.2		
~ SOUTHERN STATES RT 3860	58.5			1.4	36.0			19.2		
~ DELTA KING DK3968**	58.4	55.0	60.2	1.3	37.4	36.5	36.3	19.2	20.0	19.6
~ SEED CONSULTANTS SC 9386RR**	57.6			2.0	38.8			19.1		
~ SOUTHERN STATES RT 3951N*	56.3	51.4		2.0	37.2	36.8		19.1	19.8	
~ SOUTHERN CROSS GOSHEN 2.9 N, RR	49.6			1.6	39.7			19.1		
~ EXCEL BRAND 8396RR/STS	60.4			2.1	36.9			19.0		
~ SEED CONSULTANTS SC 9396RR**	58.9	54.5		1.7	35.5	35.7		19.0	19.5	
~ EBBERTS 1397RR**	56.5			2.1	36.1			19.0		
~ DELTAGROW 3950 RR*	56.1			1.8	38.7			19.0		
~ ASGROW AG3705*	61.1			1.4	36.1			18.9		
~ PIONEER VARIETY 93M90*	59.0	55.6	61.1	1.5	36.9	36.4	36.7	18.9	19.0	18.8
NS STEWART SEEDS SIG M40111	58.6			1.6	38.0			18.9		
~ HELENA BRAND SEED 3676**	55.5	50.5		2.1	38.1	37.4		18.9	19.7	
NS IA3027 (large seed, high protein)	35.8			1.8	39.2			18.9		
~ HORNBECK HBK R3824	54.5			2.4	36.0			18.8		
NS DIENER SEEDS D300	52.8			1.3	36.2			18.8		
~ DELTA KING DK3967**	53.2	49.9		2.1	37.1	36.6		18.8	19.6	
~ SOUTHERN STATES RT 3760N*	57.3			1.7	36.3			18.7		
~ SOUTHERN STATES RT 3851N**	56.9	54.0		1.7	36.2	36.2		18.7	19.5	
~ DELTA AND PINE LAND DP 3861 RR*	56.0	53.2	58.2	1.8	37.4	36.7	37.0	18.7	19.2	18.8
NS DIENER SEEDS D293	54.9			1.6	36.7			18.7		
~ DELTA KING DK3964**	53.4			2.2	37.1			18.7		
~ CROPLAN GENETICS RC 3935 RR**	52.9	49.6		1.8	37.6	37.1		18.7	19.5	
NS IA3022 (large seed, high protein)	45.3	42.4	46.9	2.4	39.4	39.2	39.6	18.7	18.8	18.3
~ SEED CONSULTANTS SC 9387RR*	56.3			1.2	37.7			18.6		
~ DELTA KING DKXTJ39T6	56.3			1.6	36.6			18.6		
~ CYST TECH RR0031CTA	53.5			1.6	38.2			18.6		
~ ASGROW AG3905*	62.6	59.3	62.9	1.7	36.9	36.4	36.6	18.5	19.2	19.1
~ HELENA BRAND SEED 3975**	57.4	54.6		1.7	36.8	37.0		18.5	19.0	
~ VIGORO V38N5RS**	59.2	55.1	60.6	1.6	35.7	35.5	35.8	18.4	19.2	19.0
~ SEED CONSULTANTS SC 9386A RR*	56.9	53.1		1.9	36.7	36.8		18.4	19.2	
~ DELTA AND PINE LAND DPX3994RR*	57.1			1.8	37.0			18.3		
~ PIONEER VARIETY 93M42**	52.8			1.6	38.3			18.2		
~ LG C2777NRR	43.6			2.3	40.3			18.2		
~ NK BRAND S37-N4**	57.9	53.9	58.8	2.2	37.3	37.1	37.7	18.1	18.7	18.6
~ DYNA-GRO 32C38**	55.6			1.3	36.0			18.1		
~ NKXR 3669	55.9			1.5	37.8			17.7		
~ GUTWEIN H-3606RR*	57.7	52.9		1.9	39.2	37.8		17.6	18.6	
~ DEKALB DKB36-52*	59.7	54.0	58.5	1.5	38.4	38.3	39.1	17.5	18.1	17.7
~ EBBERTS 1365RR**	54.1	52.3	59.6	2.2	40.1	39.3	39.4	17.0	17.7	17.5
~ VIGORO V36N5RR**	59.2	54.6		2.2	40.2	39.2		16.8	17.6	
GROUP III AVERAGE	54.7	51.7	56.8	1.8	37.5	37.2	37.5	18.8	19.3	18.9
LSD (0.10)	3.7	2.2	1.8	0.3						

**MATURITY GROUP EARLY IV (RELATIVE MG 4.0-4.5)**

NS	DIENER SEEDS D400S	57.7			2.1	36.3			19.6		
~	CAVERNDALE CF 422 RR/STSn**	60.8			1.6	35.9			19.4		
~	VIGORO V42N3RR**	58.4	55.2	62.7	1.3	36.8	36.5	36.4	19.4	19.8	19.8
~	GUTWEIN H-4534RR**	62.2	59.9		1.9	35.7	35.4		19.2	20.2	
	BECK 422NRR**	60.5			1.5	37.1			19.2		
~	EXCEL BRAND 8427NRR/STS	59.1	56.5		1.3	36.4	36.5		19.2	19.4	
~	SEED CONSULTANTS SC 9442RR**	58.2			2.0	35.6			19.2		
~	STINE 4402-4**	63.8			1.5	36.9			19.1		
~	VIGORO V42N7RS**	59.5			1.5	37.3			19.1		
~	DELTA KING DKXTJ744	59.4			1.7	36.3			19.1		
~	SOUTHERN STATES RT 4440N**	57.7	57.2	57.5	1.8	35.3	35.3	35.2	19.1	20.2	20.2
~	DYNA-GRO DG3443NRR**	57.2	58.9	63.1	1.8	35.4	35.0	35.2	19.1	20.3	20.2
~	SOUTHERN CROSS MICHAEL 4.2 N, RR, STS**	57.7	55.3	61.3	1.4	37.2	37.0	36.8	19.0	19.5	19.6
~	ASGROW AG4403*	56.8	57.4	62.3	1.8	35.4	35.1	35.5	19.0	20.2	20.0
~	SEED CONSULTANTS SC 9415RR**	53.7	53.0	59.3	1.1	38.0	36.5	36.8	19.0	20.0	19.8
~	DELTA AND PINE LAND DP 4331 RR*	59.3	58.4	63.7	1.7	35.3	35.0	35.4	18.9	20.2	20.1
~	CYST TECH RREX40CTA	55.5			1.7	37.2			18.8		
~	PIONEER VARIETY 94M50*	60.3	57.4		1.8	37.5	37.5		18.7	19.5	
~	BECK 444NRR**	57.9	58.2		2.2	36.0	35.7		18.7	19.6	
~	VIGORO V44N6RR**	57.2	58.1		2.2	35.3	35.4		18.7	19.6	
~	DYNA-GRO 37A44**	53.7	55.8		2.2	35.8	35.9		18.7	19.2	
~	SOUTHERN STATES RT 4151N**	53.4	54.4		1.7	38.0	36.9		18.7	19.7	
~	HELENA BRAND SEED 4375**	60.0	58.3	65.2	1.4	36.0	35.8	36.0	18.6	19.6	19.7
~	ASGROW AG4404*	59.8	57.7		1.9	36.7	37.3		18.6	18.9	
~	ADLER SEEDS 432RRN*	59.7			1.9	36.8			18.6		
~	ASGROW AG4103*	59.6			1.8	36.2			18.6		
~	CROPLAN GENETICS RC 4455 RR**	58.3	57.9		2.0	35.9	35.7		18.6	19.5	
~	CROPLAN GENETICS RC 4095 RR*	52.1			1.6	36.9			18.6		
~	GREAT LAKES GL 4129RR**	61.3			1.9	37.2			18.5		
~	DELTAGROW 4460 RR**	57.8			2.3	36.3			18.5		
~	GREAT LAKES GL 4419RR**	56.6			2.2	36.0			18.5		
~	SEED CONSULTANTS SC 9436RR*	55.1	54.1		1.7	37.3	36.5		18.5	19.3	
~	STEYER 4420 RR SCN**	53.8			2.2	36.5			18.4		
~	DEKALB DKB42-51*	60.8			1.8	35.7			18.3		
~	SEED CONSULTANTS SC 9456RR**	57.1	56.2		2.2	36.1	36.4		18.3	19.1	
~	SOUTHERN STATES RT 4451N**	56.7	59.7		2.1	35.9	35.7		18.3	19.3	
~	SOUTHERN STATES RT 4551N	57.5	59.0		2.0	38.5	38.1		18.2	18.5	
~	CROW'S C4444R**	56.4			2.0	36.4			18.2		
~	SOUTHERN CROSS MOAB 4.5 N, RR**	56.0	56.0		2.1	36.3	36.0		18.2	19.1	
~	SEED CONSULTANTS SC 9406RR*	54.1	50.5		1.8	37.5	36.6		18.2	19.2	
~	PIONEER VARIETY 94M31*	59.1			1.7	38.4			18.1		
~	EXCEL BRAND 8450NRR*	58.7			1.8	37.1			18.1		
~	NK BRAND S43-B1**	57.9	56.1	60.4	1.8	37.4	36.5	36.6	18.1	18.8	18.8
~	DELTA AND PINE LAND DP 4546 RR	50.4			2.4	37.3			18.1		
~	DELTAGROW 4150 RR*	61.3			1.9	37.3			18.0		
NS	IA4003 (large seed, high protein)	48.5	43.9		2.0	40.4	40.1		18.0	18.1	
~	PIONEER VARIETY 94M30*	58.4	55.0		2.0	40.1	38.8		17.9	18.9	
~	DELTA AND PINE LAND DP 4112 RR/S	50.9			2.1	38.0			17.5		
	EARLY GROUP IV AVERAGE	57.5	56.1	61.7	1.8	36.8	36.4	36.0	18.6	19.5	19.8
	LSD (0.10)	3.0	2.0	2.1	0.3						

**MATURITY GROUP LATE IV (RELATIVE MG 4.6-4.9)**

~ SOUTHERN CROSS ELI 4.7 N, STS, RR	63.5			1.3	34.2				19.6		
~ GREAT LAKES GL 4709RR**	60.5			1.4	34.3				19.4		
~ STINE 4782-4	63.2			1.3	34.3				19.2		
~ DELTA KING DK4461	59.4	58.5	64.7	1.9	35.2	35.0	35.3	19.2	20.3	20.1	
~ STEYER 4700 RR SCN**	60.1	60.6	65.0	1.9	35.7	35.7	35.8	19.2	20.0	20.0	
~ SOUTHERN STATES RT 4996N**	58.0			2.2	36.5			19.0			
~ ASGROW AG4801*	57.1	58.7	62.2	1.6	36.7	36.9	36.9	18.9	19.6	19.6	
~ UNISOUTH GENETICS USG 74A76**	58.5			2.5	35.4			18.8			
~ SOUTHERN STATES RT 4777N**	58.5			2.4	36.9			18.7			
~ CROPLAN GENETICS RC 4955 RR*	56.3	56.8		2.1	35.2	35.3		18.7	19.6		
~ ASGROW AG4903	59.0	60.1		2.0	35.1	35.8		18.6	19.3		
~ DELTAGROW 4860 RR**	58.0			2.0	37.8			18.6			
~ HORNBECK HBK R4924**	57.7			2.3	34.9			18.6			
~ DELTAGROW 4840 RR**	54.5	56.3	61.1	2.5	36.6	36.1	36.2	18.6	19.1	19.1	
~ SOUTHERN STATES RT 4981N**	55.6	56.7		2.1	35.7	36.1		18.5	19.2		
~ SOUTHERN CROSS DAN 4.8 N, RR**	55.2	57.3		2.2	36.5	36.2		18.5	19.0		
~ DELTA KING DK4763*	54.9	57.2	62.1	2.0	37.8	37.5	37.9	18.5	19.1	18.7	
~ SOUTHERN STATES RT 4808N**	60.0	60.8		2.0	34.1	34.9		18.4	18.9		
~ UNISOUTH GENETICS USG 7494nRR**	55.4	57.1	63.1	2.4	36.7	36.8	36.8	18.4	19.2	19.1	
~ DYNA-GRO 35Z49**	55.0	57.5		2.1	35.3	35.4		18.4	18.9		
~ NKXR 4967**	59.5			2.3	36.2			18.3			
~ CROW'S C4817R**	59.0			2.1	34.7			18.3			
~ DELTA AND PINE LAND DP 4724 RR*	57.8	58.4		2.1	37.3	37.9		18.3	18.9		
~ DELTA KING DK4667**	56.5	56.9		2.7	35.3	35.5		18.3	19.2		
~ DELTA AND PINE LAND DP 4919 RR/S	56.1			2.3	38.2			18.3			
~ ADLER SEEDS 492RRN*	55.7			2.0	34.7			18.3			
~ STEYER 4600 RR SCN**	55.7			2.0	36.2			18.3			
~ PIONEER VARIETY 94B73	58.5	57.9	62.8	2.1	37.6	37.0	37.4	18.2	18.8	19.1	
~ SOUTHERN STATES RT 4760N**	58.4			2.3	37.8			18.2			
~ DELTA KING DK4764**	58.4	57.9		2.2	36.1	36.2		18.2	18.2		
~ EXCEL BRAND 8481NRR*	58.3			2.2	37.0			18.2			
~ TRISOY 4858RR(CN)*	58.1	58.5		2.0	35.2	35.6		18.2	18.7		
~ UNISOUTH GENETICS USG 7484nRR**	54.3	57.0	62.2	2.1	37.0	36.0	36.1	18.2	18.9	18.9	
~ CROPLAN GENETICS RC 4842 RR**	55.1	55.2	60.2	2.0	37.6	37.5	37.5	18.2	19.0	19.1	
~ NKXR 4669**	61.6			1.9	36.3			18.1			
~ CAVERNDALE CF 482 RRn*	58.1			2.0	37.9			18.1			
~ DELTA KING DK4968	57.0			2.4	35.6			18.1			
~ HORNBECK HBK R4724	56.6	58.4		2.1	36.2	35.8		18.1	18.8		
~ PIONEER VARIETY 94M80*	56.6	56.0		2.1	37.3	37.6		18.1	18.8		
~ VIGORO V49N6RR**	60.5	60.8		2.4	36.6	37.2		18.0	18.3		
~ ASGROW AG4703	58.8	59.8		1.7	36.0	36.6		18.0	18.7		
~ DEKALB DKB46-51**	57.6	57.4	62.0	2.1	37.7	37.7	37.7	18.0	18.7	18.3	
~ DELTAGROW 4970 RR**	60.3			2.5	36.5			17.9			
~ DELTA KING DK4866*	57.9	57.9	63.6	2.1	35.9	35.5	35.9	17.9	18.8	19.0	
~ SEED CONSULTANTS SC 9466RR**	57.6			1.9	36.7			17.9			
~ DELTA KING DK4967**	56.6	57.9	62.8	2.2	37.3	37.0	37.0	17.9	19.0	19.0	
~ SCHILLINGER SEED 495 RC*	55.9	57.0		2.3	36.8	37.6		17.9	17.9		
~ NK BRAND S49-Q9**	60.2	60.3	63.0	2.0	36.1	36.6	36.2	17.8	18.3	18.4	
~ GUTWEIN H-4878RR**	59.0	58.0		2.4	37.5	37.9		17.8	18.0		
~ HELENA BRAND SEED 4875**	53.1	56.4	61.6	2.2	36.8	36.1	36.4	17.8	18.5	18.5	
~ EXCEL BRAND 8447NRR*	60.2			1.9	36.4			17.7			
~ DELTA KING DKXTJ750	56.5			2.1	37.6			17.6			
~ DYNA-GRO 38T47**	56.2			2.1	38.4			17.6			
~ CROW'S C4815R**	58.6	58.0	62.1	2.0	37.8	37.7	38.0	17.5	18.4	18.6	
~ EXCEL BRAND 8493NRR*	54.2	56.7		2.1	37.7	37.6		17.3	18.0		
~ CROPLAN GENETICS RC 4655 RR*	49.8	51.6		1.9	37.4	36.8		17.3	19.1		
~ SOUTHERN STATES RT 4651N**	55.0	55.4		1.8	36.9	36.9		17.0	17.9		
LATE GROUP IV AVERAGE	57.5	57.7	62.6	2.1	36.4	36.5	36.7	18.3	18.9	19.0	
LSD (0.10)	2.8	2.0	2.1	0.2							

**MATURITY GROUP V**

NS	KS5003sp (small seeded variety)	46.2	46.5	47.2	3.5	35.8	35.8	35.7	19.1	19.2	19.2
NS	KS1642sp (low linolenic acid)	45.7	47.1		3.2	34.0	34.3		18.9	19.4	
~	VIGORO V50N7RS**	57.7			2.3	37.3			18.7		
P	ANAND**	59.7	60.2	59.9	2.3	34.7	35.2	35.4	18.6	18.8	18.9
~	DELTA KING DK5161**	55.4	57.4	58.3	3.7	35.3	35.4	36.0	18.6	19.1	19.1
~	DELTA KING DK5066**	55.5	58.4		2.2	37.3	37.7		18.5	18.9	
~	SOUTHERN CROSS DAMASCUS 5.0 N, RR	58.7			2.4	37.3			18.4		
	UNISOUTH GENETICS USG 5002T	60.5	63.9	64.0	2.7	36.0	36.1	35.7	18.3	19.1	19.2
~	DELTAGROW 5160 RR**	61.1			2.4	37.6			18.1		
~	EXCEL BRAND 8512NRR*	57.6			2.3	36.9			18.1		
~	SOUTHERN STATES RT 5160N*	55.5			2.8	35.5			18.1		
~	VIGORO V50N5RR**	56.2	57.8	61.3	2.5	37.9	37.4	37.3	18.0	18.6	18.8
~	UNISOUTH GENETICS USG 7515nRS**	54.6			2.4	37.7			18.0		
~	SOUTHERN STATES RT 5540N**	54.5	56.7	58.4	2.7	36.8	36.5	36.8	18.0	18.9	18.7
P	JAKE	56.0			2.5	35.5			17.9		
~	UNISOUTH GENETICS USG 75M16	54.5			2.5	35.0			17.9		
P	HUTCHESON	54.3	59.0	58.5	2.7	36.6	36.4	36.2	17.9	18.7	18.7
~	GUTWEIN H-5053RR**	52.5	55.1	61.0	2.7	36.7	36.9	37.3	17.9	18.6	18.6
~	DELTA KING DK5368	55.8			3.6	38.2			17.8		
~	DELTA KING DKXTJ704	53.1			2.1	37.7			17.8		
NS	K03-3821 (high protein)	49.8			2.0	39.9			17.8		
~	UNISOUTH GENETICS USG 75J32**	57.5	59.4	60.7	2.3	36.5	36.1	36.2	17.8	18.4	18.2
P	TEEJAY	57.4	60.1	61.5	2.3	35.5	36.0	35.9	17.7	18.5	18.5
~	DELTA KING DK52K6**	57.8			2.9	37.6			17.6		
~	TRISOY 5060RR(CN)*	55.2			2.3	37.6			17.6		
~	DELTA AND PINE LAND DP 5115 RR/S	52.3			2.2	36.9			17.6		
~	DELTA KING DK55T6**	55.0	58.4	56.7	3.3	35.3	35.2	35.5	17.5	18.5	18.2
NS	K03-3825 (high protein)	50.8			1.7	37.9			17.5		
~	DELTA KING DKXTJ703*	53.1			2.5	36.3			17.4		
NS	KS5005sp (large seed, high protein)	51.3	52.6	55.2	2.6	37.6	38.0	38.2	17.4	17.9	17.9
~	NKXR 5068*	56.4			2.0	36.9			17.3		
~	SOUTHERN STATES RT 5130N**	50.5	55.0	55.5	2.8	37.5	37.7	37.8	17.3	18.1	17.8
~	EXCEL BRAND 8520NRR*	58.7			2.4	37.2			17.2		
~	HORNBECK HBK R5226*	53.6			3.5	37.7			17.2		
~	DELTA KING DK5567*	56.1	60.5	60.0	3.2	35.7	36.0		17.1	18.0	
~	DELTA KING DK5366**	52.6	57.5	55.9	3.5	36.3	36.9	37.2	17.1	18.2	17.8
~	UNISOUTH GENETICS USG 56124	54.5			2.7	37.2			17.1		
~	UNISOUTH GENETICS USG 56293	56.3			2.9	37.1			17.0		
~	UNISOUTH GENETICS USG ALLEN	58.9			2.6	36.6			16.8		
~	UNISOUTH GENETICS USG 5601T	61.3	64.0	66.2	2.6	37.9	38.0	37.7	16.7	17.6	17.8
~	UNISOUTH GENETICS USG 56379	61.2			2.5	36.5			16.7		
~	PIONEER VARIETY 95M30**	52.5			3.1	36.2			16.7		
	GROUP V AVERAGE	55.2	57.2	58.8	2.6	36.8	36.4	36.6	17.7	18.6	18.5
	LSD (0.10)	2.5	1.9	2.0	0.2						
	GRAND MEAN	56.3	55.7	59.9	2.1	36.9	37.0	36.7	18.4	19.3	19.0

~ 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 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.

B 2006 variety protein and oil concentration was determined at the Hancock Co. location (all test locations for NS entries) and expressed on the basis of 13% moisture. 2005 protein-oil data are from Caldwell Co. and 2004 protein-oil data are from Fayette Co.. These data were provided by the Iowa State University Grain Quality Analysis Services using near-infrared (NIR) analysis.

TABLE 4. 2006 SUMMARY: VARIETY TEST TABLES 5-9

SORTED BY 05-06 % OIL

BRAND -- VARIETY	YIELD (BU/AC) <sup>A</sup>			LODGING	% PROTEIN <sup>B</sup>			% OIL <sup>B</sup>		
	2006	05-06	04-06		2006	05-06	04-06	2006	05-06	04-06
<b>MATURITY GROUP II-III (RELATIVE MG 2.7-3.9)</b>										
~ SOUTHERN CROSS STEPHEN 3.8 N, RR*	59.7	56.9	61.3	1.5	37.7	36.9	36.8	19.8	20.4	19.9
~ UNISOUTH GENETICS USG 7393nRR**	55.9	55.1		1.5	38.2	37.2		19.5	20.3	
~ EBBERTS 1385RR	57.5	55.5	61.3	1.9	37.3	36.9	37.2	19.4	20.1	19.9
P IA 3023	46.8	41.7	48.8	1.7	35.9	35.3	35.4	19.4	20.1	19.8
~ ASGROW AG3906*	59.5	57.3		1.8	36.9	36.6		19.5	20.0	
~ DELTA KING DK3968**	58.4	55.0	60.2	1.3	37.4	36.5	36.3	19.2	20.0	19.6
~ STINE 3832-4**	56.3	53.5		1.9	38.0	37.5		19.3	19.8	
~ SOUTHERN STATES RT 3951N*	56.3	51.4		2.0	37.2	36.8		19.1	19.8	
~ HELENA BRAND SEED 3676**	55.5	50.5		2.1	38.1	37.4		18.9	19.7	
NS IA3021 (large seed, high protein)	38.1	34.0	40.9	1.6	39.1	38.8	39.4	19.4	19.6	19.0
~ DELTA KING DK3967**	53.2	49.9		2.1	37.1	36.6		18.8	19.6	
~ SEED CONSULTANTS SC 9396RR**	58.9	54.5		1.7	35.5	35.7		19.0	19.5	
~ SOUTHERN STATES RT 3851N**	56.9	54.0		1.7	36.2	36.2		18.7	19.5	
~ CROPLAN GENETICS RC 3935 RR**	52.9	49.6		1.8	37.6	37.1		18.7	19.5	
NS IA3006PR (high protein, phytophthora resistance)	40.3	35.6		2.0	38.8	38.9		19.4	19.4	
~ DELTA AND PINE LAND DP 3861 RR*	56.0	53.2	58.2	1.8	37.4	36.7	37.0	18.7	19.2	18.8
~ ASGROW AG3905*	62.6	59.3	62.9	1.7	36.9	36.4	36.6	18.5	19.2	19.1
~ VIGORO V38N5RS**	59.2	55.1	60.6	1.6	35.7	35.5	35.8	18.4	19.2	19.0
~ SEED CONSULTANTS SC 9386A RR*	56.9	53.1		1.9	36.7	36.8		18.4	19.2	
~ PIONEER VARIETY 93M90*	59.0	55.6	61.1	1.5	36.9	36.4	36.7	18.9	19.0	18.8
~ HELENA BRAND SEED 3975**	57.4	54.6		1.7	36.8	37.0		18.5	19.0	
NS IA3022 (large seed, high protein)	45.3	42.4	46.9	2.4	39.4	39.2	39.6	18.7	18.8	18.3
~ NK BRAND S37-N4**	57.9	53.9	58.8	2.2	37.3	37.1	37.7	18.1	18.7	18.6
~ GUTWEIN H-3606RR*	57.7	52.9		1.9	39.2	37.8		17.6	18.6	
~ DEKALB DKB36-52*	59.7	54.0	58.5	1.5	38.4	38.3	39.1	17.5	18.1	17.7
~ EBBERTS 1365RR**	54.1	52.3	59.6	2.2	40.1	39.3	39.4	17.0	17.7	17.5
~ VIGORO V36N5RR**	59.2	54.6		2.2	40.2	39.2		16.8	17.6	
NS STEWART SEEDS SIG M40619	51.7			2.1	35.6			20.1		
~ SOUTHERN STATES RT 2800	45.2			1.7	38.6			19.6		
~ STEYER 3630 RR SCN**	56.0			1.3	36.1			19.5		
~ EBBERTS 1386RR**	59.5			2.0	37.1			19.2		
~ SOUTHERN STATES RT 3860	58.5			1.4	36.0			19.2		
~ SEED CONSULTANTS SC 9386RR**	57.6			2.0	38.8			19.1		
~ SOUTHERN CROSS GOSHEN 2.9 N, RR	49.6			1.6	39.7			19.1		
~ EXCEL BRAND 8396RR/STS	60.4			2.1	36.9			19.0		
~ EBBERTS 1397RR**	56.5			2.1	36.1			19.0		
~ DELTAGROW 3950 RR*	56.1			1.8	38.7			19.0		
~ ASGROW AG3705*	61.1			1.4	36.1			18.9		
NS STEWART SEEDS SIG M40111	58.6			1.6	38.0			18.9		
NS IA3027 (large seed, high protein)	35.8			1.8	39.2			18.9		
~ HORNBECK HBK R3824	54.5			2.4	36.0			18.8		
NS DIENER SEEDS D300	52.8			1.3	36.2			18.8		
~ SOUTHERN STATES RT 3760N*	57.3			1.7	36.3			18.7		
NS DIENER SEEDS D293	54.9			1.6	36.7			18.7		
~ DELTA KING DK3964**	53.4			2.2	37.1			18.7		
~ SEED CONSULTANTS SC 9387RR*	56.3			1.2	37.7			18.6		
~ DELTA KING DKXTJ39T6	56.3			1.6	36.6			18.6		
~ CYST TECH RR0031CTA	53.5			1.6	38.2			18.6		
~ DELTA AND PINE LAND DPX3994RR*	57.1			1.8	37.0			18.3		
~ PIONEER VARIETY 93M42**	52.8			1.6	38.3			18.2		
~ LG C2777NRR	43.6			2.3	40.3			18.2		
~ DYNA-GRO 32C38**	55.6			1.3	36.0			18.1		
~ NKXR 3669	55.9			1.5	37.8			17.7		
GROUP III AVERAGE	54.7	51.7	56.8	1.8	37.5	37.2	37.5	18.8	19.3	18.9
LSD (0.10)	3.7	2.2	1.8	0.3						

**MATURITY GROUP EARLY IV (RELATIVE MG 4.0-4.5)**

~ DYNA-GRO DG3443NRR**	57.2	58.9	63.1	1.8	35.4	35.0	35.2	19.1	20.3	20.2
~ GUTWEIN H-4534RR**	62.2	59.9		1.9	35.7	35.4		19.2	20.2	
~ SOUTHERN STATES RT 4440N**	57.7	57.2	57.5	1.8	35.3	35.3	35.2	19.1	20.2	20.2
~ ASGROW AG4403*	56.8	57.4	62.3	1.8	35.4	35.1	35.5	19.0	20.2	20.0
~ DELTA AND PINE LAND DP 4331 RR*	59.3	58.4	63.7	1.7	35.3	35.0	35.4	18.9	20.2	20.1
~ SEED CONSULTANTS SC 9415RR**	53.7	53.0	59.3	1.1	38.0	36.5	36.8	19.0	20.0	19.8
~ VIGORO V42N3RR**	58.4	55.2	62.7	1.3	36.8	36.5	36.4	19.4	19.8	19.8
~ SOUTHERN STATES RT 4151N**	53.4	54.4		1.7	38.0	36.9		18.7	19.7	
~ BECK 444NRR**	57.9	58.2		2.2	36.0	35.7		18.7	19.6	
~ VIGORO V44N6RR**	57.2	58.1		2.2	35.3	35.4		18.7	19.6	
~ HELENA BRAND SEED 4375**	60.0	58.3	65.2	1.4	36.0	35.8	36.0	18.6	19.6	19.7
~ SOUTHERN CROSS MICHAEL 4.2 N, RR, STS**	57.7	55.3	61.3	1.4	37.2	37.0	36.8	19.0	19.5	19.6
~ PIONEER VARIETY 94M50*	60.3	57.4		1.8	37.5	37.5		18.7	19.5	
~ CROPLAN GENETICS RC 4455 RR**	58.3	57.9		2.0	35.9	35.7		18.6	19.5	
~ EXCEL BRAND 8427NRR/STS	59.1	56.5		1.3	36.4	36.5		19.2	19.4	
~ SEED CONSULTANTS SC 9436RR*	55.1	54.1		1.7	37.3	36.5		18.5	19.3	
~ SOUTHERN STATES RT 4451N**	56.7	59.7		2.1	35.9	35.7		18.3	19.3	
~ DYNA-GRO 37A44**	53.7	55.8		2.2	35.8	35.9		18.7	19.2	
~ SEED CONSULTANTS SC 9406RR*	54.1	50.5		1.8	37.5	36.6		18.2	19.2	
~ SEED CONSULTANTS SC 9456RR**	57.1	56.2		2.2	36.1	36.4		18.3	19.1	
~ SOUTHERN CROSS MOAB 4.5 N, RR**	56.0	56.0		2.1	36.3	36.0		18.2	19.1	
~ ASGROW AG4404*	59.8	57.7		1.9	36.7	37.3		18.6	18.9	
~ PIONEER VARIETY 94M30*	58.4	55.0		2.0	40.1	38.8		17.9	18.9	
~ NK BRAND S43-B1**	57.9	56.1	60.4	1.8	37.4	36.5	36.6	18.1	18.8	18.8
~ SOUTHERN STATES RT 4551N	57.5	59.0		2.0	38.5	38.1		18.2	18.5	
NS IA4003 (large seed, high protein)	48.5	43.9		2.0	40.4	40.1		18.0	18.1	
NS DIENER SEEDS D400S	57.7			2.1	36.3			19.6		
~ CAVERNDAL CF 422 RR/STSn**	60.8			1.6	35.9			19.4		
BECK 422NRR**	60.5			1.5	37.1			19.2		
~ SEED CONSULTANTS SC 9442RR**	58.2			2.0	35.6			19.2		
~ STINE 4402-4**	63.8			1.5	36.9			19.1		
~ VIGORO V42N7RS**	59.5			1.5	37.3			19.1		
~ DELTA KING DKXTJ744	59.4			1.7	36.3			19.1		
~ CYST TECH RREX40CTA	55.5			1.7	37.2			18.8		
~ ADLER SEEDS 432RRN*	59.7			1.9	36.8			18.6		
~ ASGROW AG4103*	59.6			1.8	36.2			18.6		
~ CROPLAN GENETICS RC 4095 RR*	52.1			1.6	36.9			18.6		
~ GREAT LAKES GL 4129RR**	61.3			1.9	37.2			18.5		
~ DELTAGROW 4460 RR**	57.8			2.3	36.3			18.5		
~ GREAT LAKES GL 4419RR**	56.6			2.2	36.0			18.5		
~ STEYER 4420 RR SCN**	53.8			2.2	36.5			18.4		
~ DEKALB DKB42-51*	60.8			1.8	35.7			18.3		
~ CROW'S C4444R**	56.4			2.0	36.4			18.2		
~ PIONEER VARIETY 94M31*	59.1			1.7	38.4			18.1		
~ EXCEL BRAND 8450NRR*	58.7			1.8	37.1			18.1		
~ DELTA AND PINE LAND DP 4546 RR	50.4			2.4	37.3			18.1		
~ DELTAGROW 4150 RR*	61.3			1.9	37.3			18.0		
~ DELTA AND PINE LAND DP 4112 RR/S	50.9			2.1	38.0			17.5		
EARLY GROUP IV AVERAGE	57.5	56.1	61.7	1.8	36.8	36.4	36.0	18.6	19.5	19.8
LSD (0.10)	3.0	2.0	2.1	0.3						

**MATURITY GROUP LATE IV (RELATIVE MG 4.6-4.9)**

~ DELTA KING DK4461	59.4	58.5	64.7	1.9	35.2	35.0	35.3	19.2	20.3	20.1
~ STEYER 4700 RR SCN**	60.1	60.6	65.0	1.9	35.7	35.7	35.8	19.2	20.0	20.0
~ ASGROW AG4801*	57.1	58.7	62.2	1.6	36.7	36.9	36.9	18.9	19.6	19.6
~ CROPLAN GENETICS RC 4955 RR*	56.3	56.8		2.1	35.2	35.3		18.7	19.6	
~ ASGROW AG4903	59.0	60.1		2.0	35.1	35.8		18.6	19.3	
~ SOUTHERN STATES RT 4981N**	55.6	56.7		2.1	35.7	36.1		18.5	19.2	
~ UNISOUTH GENETICS USG 7494nRR**	55.4	57.1	63.1	2.4	36.7	36.8	36.8	18.4	19.2	19.1
~ DELTA KING DK4667**	56.5	56.9		2.7	35.3	35.5		18.3	19.2	
~ DELTAGROW 4840 RR**	54.5	56.3	61.1	2.5	36.6	36.1	36.2	18.6	19.1	19.1
~ DELTA KING DK4763*	54.9	57.2	62.1	2.0	37.8	37.5	37.9	18.5	19.1	18.7
~ CROPLAN GENETICS RC 4655 RR*	49.8	51.6		1.9	37.4	36.8		17.3	19.1	
~ SOUTHERN CROSS DAN 4.8 N, RR**	55.2	57.3		2.2	36.5	36.2		18.5	19.0	
~ CROPLAN GENETICS RC 4842 RR**	55.1	55.2	60.2	2.0	37.6	37.5	37.5	18.2	19.0	19.1
~ DELTA KING DK4967**	56.6	57.9	62.8	2.2	37.3	37.0	37.0	17.9	19.0	19.0
~ SOUTHERN STATES RT 4808N**	60.0	60.8		2.0	34.1	34.9		18.4	18.9	
~ DYNA-GRO 35Z49**	55.0	57.5		2.1	35.3	35.4		18.4	18.9	
~ DELTA AND PINE LAND DP 4724 RR*	57.8	58.4		2.1	37.3	37.9		18.3	18.9	
~ UNISOUTH GENETICS USG 7484nRR**	54.3	57.0	62.2	2.1	37.0	36.0	36.1	18.2	18.9	18.9
~ PIONEER VARIETY 94B73	58.5	57.9	62.8	2.1	37.6	37.0	37.4	18.2	18.8	19.1
~ HORNBECK HBK R4724	56.6	58.4		2.1	36.2	35.8		18.1	18.8	
~ PIONEER VARIETY 94M80*	56.6	56.0		2.1	37.3	37.6		18.1	18.8	
~ DELTA KING DK4866*	57.9	57.9	63.6	2.1	35.9	35.5	35.9	17.9	18.8	19.0
~ TRISOY 4858RR(CN)*	58.1	58.5		2.0	35.2	35.6		18.2	18.7	
~ ASGROW AG4703	58.8	59.8		1.7	36.0	36.6		18.0	18.7	
~ DEKALB DKB46-51**	57.6	57.4	62.0	2.1	37.7	37.7	37.7	18.0	18.7	18.3
~ HELENA BRAND SEED 4875**	53.1	56.4	61.6	2.2	36.8	36.1	36.4	17.8	18.5	18.5
~ CROW'S C4815R**	58.6	58.0	62.1	2.0	37.8	37.7	38.0	17.5	18.4	18.6
~ VIGORO V49N6RR**	60.5	60.8		2.4	36.6	37.2		18.0	18.3	
~ NK BRAND S49-Q9**	60.2	60.3	63.0	2.0	36.1	36.6	36.2	17.8	18.3	18.4
~ DELTA KING DK4764**	58.4	57.9		2.2	36.1	36.2		18.2	18.2	
~ GUTWEIN H-4878RR**	59.0	58.0		2.4	37.5	37.9		17.8	18.0	
~ EXCEL BRAND 8493NRR*	54.2	56.7		2.1	37.7	37.6		17.3	18.0	
~ SCHILLINGER SEED 495 RC*	55.9	57.0		2.3	36.8	37.6		17.9	17.9	
~ SOUTHERN STATES RT 4651N**	55.0	55.4		1.8	36.9	36.9		17.0	17.9	
~ SOUTHERN CROSS ELI 4.7 N, STS, RR	63.5			1.3	34.2			19.6		
~ GREAT LAKES GL 4709RR**	60.5			1.4	34.3			19.4		
~ STINE 4782-4	63.2			1.3	34.3			19.2		
~ SOUTHERN STATES RT 4996N**	58.0			2.2	36.5			19.0		
~ UNISOUTH GENETICS USG 74A76**	58.5			2.5	35.4			18.8		
~ SOUTHERN STATES RT 4777N**	58.5			2.4	36.9			18.7		
~ DELTAGROW 4860 RR**	58.0			2.0	37.8			18.6		
~ HORNBECK HBK R4924**	57.7			2.3	34.9			18.6		
~ NKXR 4967**	59.5			2.3	36.2			18.3		
~ CROW'S C4817R**	59.0			2.1	34.7			18.3		
~ DELTA AND PINE LAND DP 4919 RR/S	56.1			2.3	38.2			18.3		
~ ADLER SEEDS 492RRN*	55.7			2.0	34.7			18.3		
~ STEYER 4600 RR SCN**	55.7			2.0	36.2			18.3		
~ SOUTHERN STATES RT 4760N**	58.4			2.3	37.8			18.2		
~ EXCEL BRAND 8481NRR*	58.3			2.2	37.0			18.2		
~ NKXR 4669**	61.6			1.9	36.3			18.1		
~ CAVERNDALE CF 482 RRn*	58.1			2.0	37.9			18.1		
~ DELTA KING DK4968	57.0			2.4	35.6			18.1		
~ DELTAGROW 4970 RR**	60.3			2.5	36.5			17.9		
~ SEED CONSULTANTS SC 9466RR**	57.6			1.9	36.7			17.9		
~ EXCEL BRAND 8447NRR*	60.2			1.9	36.4			17.7		
~ DELTA KING DKXTJ750	56.5			2.1	37.6			17.6		
~ DYNA-GRO 38T47**	56.2			2.1	38.4			17.6		
LATE GROUP IV AVERAGE	57.5	57.7	62.6	2.1	36.4	36.5	36.7	18.3	18.9	19.0
LSD (0.10)	2.8	2.0	2.1	0.2						



**MATURITY GROUP V**

NS	KS1642sp (low linolenic acid)	45.7	47.1		3.2	34.0	34.3		18.9	19.4	
NS	KS5003sp (small seeded variety)	46.2	46.5	47.2	3.5	35.8	35.8	35.7	19.1	19.2	19.2
~	DELTA KING DK5161**	55.4	57.4	58.3	3.7	35.3	35.4	36.0	18.6	19.1	19.1
	UNISOUTH GENETICS USG 5002T	60.5	63.9	64.0	2.7	36.0	36.1	35.7	18.3	19.1	19.2
~	DELTA KING DK5066**	55.5	58.4		2.2	37.3	37.7		18.5	18.9	
~	SOUTHERN STATES RT 5540N**	54.5	56.7	58.4	2.7	36.8	36.5	36.8	18.0	18.9	18.7
P	ANAND**	59.7	60.2	59.9	2.3	34.7	35.2	35.4	18.6	18.8	18.9
P	HUTCHESON	54.3	59.0	58.5	2.7	36.6	36.4	36.2	17.9	18.7	18.7
~	VIGORO V50N5RR**	56.2	57.8	61.3	2.5	37.9	37.4	37.3	18.0	18.6	18.8
~	GUTWEIN H-5053RR**	52.5	55.1	61.0	2.7	36.7	36.9	37.3	17.9	18.6	18.6
P	TEEJAY	57.4	60.1	61.5	2.3	35.5	36.0	35.9	17.7	18.5	18.5
~	DELTA KING DK55T6**	55.0	58.4	56.7	3.3	35.3	35.2	35.5	17.5	18.5	18.2
~	UNISOUTH GENETICS USG 75J32**	57.5	59.4	60.7	2.3	36.5	36.1	36.2	17.8	18.4	18.2
~	DELTA KING DK5366**	52.6	57.5	55.9	3.5	36.3	36.9	37.2	17.1	18.2	17.8
~	SOUTHERN STATES RT 5130N**	50.5	55.0	55.5	2.8	37.5	37.7	37.8	17.3	18.1	17.8
~	DELTA KING DK5567*	56.1	60.5	60.0	3.2	35.7	36.0		17.1	18.0	
NS	KS5005sp (large seed, high protein)	51.3	52.6	55.2	2.6	37.6	38.0	38.2	17.4	17.9	17.9
	UNISOUTH GENETICS USG 5601T	61.3	64.0	66.2	2.6	37.9	38.0	37.7	16.7	17.6	17.8
~	VIGORO V50N7RS**	57.7			2.3	37.3			18.7		
~	SOUTHERN CROSS DAMASCUS 5.0 N, RR	58.7			2.4	37.3			18.4		
~	DELTA GROW 5160 RR**	61.1			2.4	37.6			18.1		
~	EXCEL BRAND 8512NRR*	57.6			2.3	36.9			18.1		
~	SOUTHERN STATES RT 5160N*	55.5			2.8	35.5			18.1		
~	UNISOUTH GENETICS USG 7515nRS**	54.6			2.4	37.7			18.0		
P	JAKE	56.0			2.5	35.5			17.9		
~	UNISOUTH GENETICS USG 75M16	54.5			2.5	35.0			17.9		
~	DELTA KING DK5368	55.8			3.6	38.2			17.8		
~	DELTA KING DKXTJ704	53.1			2.1	37.7			17.8		
NS	K03-3821 (high protein)	49.8			2.0	39.9			17.8		
~	DELTA KING DK52K6**	57.8			2.9	37.6			17.6		
~	TRISOY 5060RR(CN)*	55.2			2.3	37.6			17.6		
~	DELTA AND PINE LAND DP 5115 RR/S	52.3			2.2	36.9			17.6		
NS	K03-3825 (high protein)	50.8			1.7	37.9			17.5		
~	DELTA KING DKXTJ703*	53.1			2.5	36.3			17.4		
~	NKXR 5068*	56.4			2.0	36.9			17.3		
~	EXCEL BRAND 8520NRR*	58.7			2.4	37.2			17.2		
~	HORNBECK HBK R5226*	53.6			3.5	37.7			17.2		
~	UNISOUTH GENETICS USG 56124	54.5			2.7	37.2			17.1		
~	UNISOUTH GENETICS USG 56293	56.3			2.9	37.1			17.0		
~	UNISOUTH GENETICS USG ALLEN	58.9			2.6	36.6			16.8		
~	UNISOUTH GENETICS USG 56379	61.2			2.5	36.5			16.7		
~	PIONEER VARIETY 95M30**	52.5			3.1	36.2			16.7		
	GROUP V AVERAGE	55.2	57.2	58.8	2.6	36.8	36.4	36.6	17.7	18.6	18.5
	LSD (0.10)	2.5	1.9	2.0	0.2						
	GRAND MEAN	56.3	55.7	59.9	2.1	36.9	37.0	36.7	18.4	19.3	19.0

~ 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 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.

B 2006 variety protein and oil concentration was determined at the Hancock Co. location (all test locations for NS entries) and expressed on the basis of 13% moisture. 2005 protein-oil data are from Caldwell Co. and 2004 protein-oil data are from Fayette Co.. These data were provided by the Iowa State University Grain Quality Analysis Services using near-infrared (NIR) analysis.

TABLE 4. 2006 SUMMARY: VARIETY TEST TABLES 5-9

SORTED BY 04-06 % OIL

BRAND -- VARIETY	YIELD (BU/AC) <sup>A</sup>			LODGING	% PROTEIN <sup>B</sup>			% OIL <sup>B</sup>		
	2006	05-06	04-06		2006	05-06	04-06	2006	05-06	04-06
<b>MATURITY GROUP II-III (RELATIVE MG 2.7-3.9)</b>										
~ SOUTHERN CROSS STEPHEN 3.8 N, RR*	59.7	56.9	61.3	1.5	37.7	36.9	36.8	19.8	20.4	19.9
~ EBBERTS 1385RR	57.5	55.5	61.3	1.9	37.3	36.9	37.2	19.4	20.1	19.9
P IA 3023	46.8	41.7	48.8	1.7	35.9	35.3	35.4	19.4	20.1	19.8
~ DELTA KING DK3968**	58.4	55.0	60.2	1.3	37.4	36.5	36.3	19.2	20.0	19.6
~ ASGROW AG3905*	62.6	59.3	62.9	1.7	36.9	36.4	36.6	18.5	19.2	19.1
NS IA3021 (large seed, high protein)	38.1	34.0	40.9	1.6	39.1	38.8	39.4	19.4	19.6	19.0
~ VIGORO V38N5RS**	59.2	55.1	60.6	1.6	35.7	35.5	35.8	18.4	19.2	19.0
~ DELTA AND PINE LAND DP 3861 RR*	56.0	53.2	58.2	1.8	37.4	36.7	37.0	18.7	19.2	18.8
~ PIONEER VARIETY 93M90*	59.0	55.6	61.1	1.5	36.9	36.4	36.7	18.9	19.0	18.8
~ NK BRAND S37-N4**	57.9	53.9	58.8	2.2	37.3	37.1	37.7	18.1	18.7	18.6
NS IA3022 (large seed, high protein)	45.3	42.4	46.9	2.4	39.4	39.2	39.6	18.7	18.8	18.3
~ DEKALB DKB36-52*	59.7	54.0	58.5	1.5	38.4	38.3	39.1	17.5	18.1	17.7
~ EBBERTS 1365RR**	54.1	52.3	59.6	2.2	40.1	39.3	39.4	17.0	17.7	17.5
~ UNISOUTH GENETICS USG 7393nRR**	55.9	55.1		1.5	38.2	37.2		19.5	20.3	
~ ASGROW AG3906*	59.5	57.3		1.8	36.9	36.6		19.5	20.0	
~ STINE 3832-4**	56.3	53.5		1.9	38.0	37.5		19.3	19.8	
~ SOUTHERN STATES RT 3951N*	56.3	51.4		2.0	37.2	36.8		19.1	19.8	
~ HELENA BRAND SEED 3676**	55.5	50.5		2.1	38.1	37.4		18.9	19.7	
~ DELTA KING DK3967**	53.2	49.9		2.1	37.1	36.6		18.8	19.6	
~ SEED CONSULTANTS SC 9396RR**	58.9	54.5		1.7	35.5	35.7		19.0	19.5	
~ SOUTHERN STATES RT 3851N**	56.9	54.0		1.7	36.2	36.2		18.7	19.5	
~ CROPLAN GENETICS RC 3935 RR**	52.9	49.6		1.8	37.6	37.1		18.7	19.5	
NS IA3006PR (high protein, phytophthora resistance)	40.3	35.6		2.0	38.8	38.9		19.4	19.4	
~ SEED CONSULTANTS SC 9386A RR*	56.9	53.1		1.9	36.7	36.8		18.4	19.2	
~ HELENA BRAND SEED 3975**	57.4	54.6		1.7	36.8	37.0		18.5	19.0	
~ GUTWEIN H-3606RR*	57.7	52.9		1.9	39.2	37.8		17.6	18.6	
~ VIGORO V36N5RR**	59.2	54.6		2.2	40.2	39.2		16.8	17.6	
NS STEWART SEEDS SIG M40619	51.7			2.1	35.6			20.1		
~ SOUTHERN STATES RT 2800	45.2			1.7	38.6			19.6		
~ STEYER 3630 RR SCN**	56.0			1.3	36.1			19.5		
~ EBBERTS 1386RR**	59.5			2.0	37.1			19.2		
~ SOUTHERN STATES RT 3860	58.5			1.4	36.0			19.2		
~ SEED CONSULTANTS SC 9386RR**	57.6			2.0	38.8			19.1		
~ SOUTHERN CROSS GOSHEN 2.9 N, RR	49.6			1.6	39.7			19.1		
~ EXCEL BRAND 8396RR/STS	60.4			2.1	36.9			19.0		
~ EBBERTS 1397RR**	56.5			2.1	36.1			19.0		
~ DELTAGROW 3950 RR*	56.1			1.8	38.7			19.0		
~ ASGROW AG3705*	61.1			1.4	36.1			18.9		
NS STEWART SEEDS SIG M40111	58.6			1.6	38.0			18.9		
NS IA3027 (large seed, high protein)	35.8			1.8	39.2			18.9		
~ HORNBECK HBK R3824	54.5			2.4	36.0			18.8		
NS DIENER SEEDS D300	52.8			1.3	36.2			18.8		
~ SOUTHERN STATES RT 3760N*	57.3			1.7	36.3			18.7		
NS DIENER SEEDS D293	54.9			1.6	36.7			18.7		
~ DELTA KING DK3964**	53.4			2.2	37.1			18.7		
~ SEED CONSULTANTS SC 9387RR*	56.3			1.2	37.7			18.6		
~ DELTA KING DKXTJ39T6	56.3			1.6	36.6			18.6		
~ CYST TECH RR0031CTA	53.5			1.6	38.2			18.6		
~ DELTA AND PINE LAND DPX3994RR*	57.1			1.8	37.0			18.3		
~ PIONEER VARIETY 93M42**	52.8			1.6	38.3			18.2		
~ LG C2777NRR	43.6			2.3	40.3			18.2		
~ DYNA-GRO 32C38**	55.6			1.3	36.0			18.1		
~ NKXR 3669	55.9			1.5	37.8			17.7		
GROUP III AVERAGE	54.7	51.7	56.8	1.8	37.5	37.2	37.5	18.8	19.3	18.9
LSD (0.10)	3.7	2.2	1.8	0.3						

sort

**MATURITY GROUP EARLY IV (RELATIVE MG 4.0-4.5)**

~ DYNA-GRO DG3443NRR**	57.2	58.9	63.1	1.8	35.4	35.0	35.2	19.1	20.3	20.2
~ SOUTHERN STATES RT 4440N**	57.7	57.2	57.5	1.8	35.3	35.3	35.2	19.1	20.2	20.2
~ DELTA AND PINE LAND DP 4331 RR*	59.3	58.4	63.7	1.7	35.3	35.0	35.4	18.9	20.2	20.1
~ ASGROW AG4403*	56.8	57.4	62.3	1.8	35.4	35.1	35.5	19.0	20.2	20.0
~ SEED CONSULTANTS SC 9415RR**	53.7	53.0	59.3	1.1	38.0	36.5	36.8	19.0	20.0	19.8
~ VIGORO V42N3RR**	58.4	55.2	62.7	1.3	36.8	36.5	36.4	19.4	19.8	19.8
~ HELENA BRAND SEED 4375**	60.0	58.3	65.2	1.4	36.0	35.8	36.0	18.6	19.6	19.7
~ SOUTHERN CROSS MICHAEL 4.2 N, RR, STS**	57.7	55.3	61.3	1.4	37.2	37.0	36.8	19.0	19.5	19.6
~ NK BRAND S43-B1**	57.9	56.1	60.4	1.8	37.4	36.5	36.6	18.1	18.8	18.8
~ GUTWEIN H-4534RR**	62.2	59.9		1.9	35.7	35.4		19.2	20.2	
~ SOUTHERN STATES RT 4151N**	53.4	54.4		1.7	38.0	36.9		18.7	19.7	
~ BECK 444NRR**	57.9	58.2		2.2	36.0	35.7		18.7	19.6	
~ VIGORO V44N6RR**	57.2	58.1		2.2	35.3	35.4		18.7	19.6	
~ PIONEER VARIETY 94M50*	60.3	57.4		1.8	37.5	37.5		18.7	19.5	
~ CROPLAN GENETICS RC 4455 RR**	58.3	57.9		2.0	35.9	35.7		18.6	19.5	
~ EXCEL BRAND 8427NRR/STS	59.1	56.5		1.3	36.4	36.5		19.2	19.4	
~ SEED CONSULTANTS SC 9436RR*	55.1	54.1		1.7	37.3	36.5		18.5	19.3	
~ SOUTHERN STATES RT 4451N**	56.7	59.7		2.1	35.9	35.7		18.3	19.3	
~ DYNA-GRO 37A44**	53.7	55.8		2.2	35.8	35.9		18.7	19.2	
~ SEED CONSULTANTS SC 9406RR*	54.1	50.5		1.8	37.5	36.6		18.2	19.2	
~ SEED CONSULTANTS SC 9456RR**	57.1	56.2		2.2	36.1	36.4		18.3	19.1	
~ SOUTHERN CROSS MOAB 4.5 N, RR**	56.0	56.0		2.1	36.3	36.0		18.2	19.1	
~ ASGROW AG4404*	59.8	57.7		1.9	36.7	37.3		18.6	18.9	
~ PIONEER VARIETY 94M30*	58.4	55.0		2.0	40.1	38.8		17.9	18.9	
~ SOUTHERN STATES RT 4551N	57.5	59.0		2.0	38.5	38.1		18.2	18.5	
NS IA4003 (large seed, high protein)	48.5	43.9		2.0	40.4	40.1		18.0	18.1	
NS DIENER SEEDS D400S	57.7			2.1	36.3			19.6		
~ CAVERNDALE CF 422 RR/STSn**	60.8			1.6	35.9			19.4		
BECK 422NRR**	60.5			1.5	37.1			19.2		
~ SEED CONSULTANTS SC 9442RR**	58.2			2.0	35.6			19.2		
~ STINE 4402-4**	63.8			1.5	36.9			19.1		
~ VIGORO V42N7RS**	59.5			1.5	37.3			19.1		
~ DELTA KING DKXTJ744	59.4			1.7	36.3			19.1		
~ CYST TECH RREX40CTA	55.5			1.7	37.2			18.8		
~ ADLER SEEDS 432RRN*	59.7			1.9	36.8			18.6		
~ ASGROW AG4103*	59.6			1.8	36.2			18.6		
~ CROPLAN GENETICS RC 4095 RR*	52.1			1.6	36.9			18.6		
~ GREAT LAKES GL 4129RR**	61.3			1.9	37.2			18.5		
~ DELTAGROW 4460 RR**	57.8			2.3	36.3			18.5		
~ GREAT LAKES GL 4419RR**	56.6			2.2	36.0			18.5		
~ STEYER 4420 RR SCN**	53.8			2.2	36.5			18.4		
~ DEKALB DKB42-51*	60.8			1.8	35.7			18.3		
~ CROW'S C4444R**	56.4			2.0	36.4			18.2		
~ PIONEER VARIETY 94M31*	59.1			1.7	38.4			18.1		
~ EXCEL BRAND 8450NRR*	58.7			1.8	37.1			18.1		
~ DELTA AND PINE LAND DP 4546 RR	50.4			2.4	37.3			18.1		
~ DELTAGROW 4150 RR*	61.3			1.9	37.3			18.0		
~ DELTA AND PINE LAND DP 4112 RR/S	50.9			2.1	38.0			17.5		
EARLY GROUP IV AVERAGE	57.5	56.1	61.7	1.8	36.8	36.4	36.0	18.6	19.5	19.8
LSD (0.10)	3.0	2.0	2.1	0.3						

**MATURITY GROUP LATE IV (RELATIVE MG 4.6-4.9)**

~ DELTA KING DK4461	59.4	58.5	64.7	1.9	35.2	35.0	35.3	19.2	20.3	20.1
~ STEYER 4700 RR SCN**	60.1	60.6	65.0	1.9	35.7	35.7	35.8	19.2	20.0	20.0
~ ASGROW AG4801*	57.1	58.7	62.2	1.6	36.7	36.9	36.9	18.9	19.6	19.6
~ UNISOUTH GENETICS USG 7494nRR**	55.4	57.1	63.1	2.4	36.7	36.8	36.8	18.4	19.2	19.1
~ DELTAGROW 4840 RR**	54.5	56.3	61.1	2.5	36.6	36.1	36.2	18.6	19.1	19.1
~ CROPLAN GENETICS RC 4842 RR**	55.1	55.2	60.2	2.0	37.6	37.5	37.5	18.2	19.0	19.1
~ PIONEER VARIETY 94B73	58.5	57.9	62.8	2.1	37.6	37.0	37.4	18.2	18.8	19.1
~ DELTA KING DK4967**	56.6	57.9	62.8	2.2	37.3	37.0	37.0	17.9	19.0	19.0
~ DELTA KING DK4866*	57.9	57.9	63.6	2.1	35.9	35.5	35.9	17.9	18.8	19.0
~ UNISOUTH GENETICS USG 7484nRR**	54.3	57.0	62.2	2.1	37.0	36.0	36.1	18.2	18.9	18.9
~ DELTA KING DK4763*	54.9	57.2	62.1	2.0	37.8	37.5	37.9	18.5	19.1	18.7
~ CROW'S C4815R**	58.6	58.0	62.1	2.0	37.8	37.7	38.0	17.5	18.4	18.6
~ HELENA BRAND SEED 4875**	53.1	56.4	61.6	2.2	36.8	36.1	36.4	17.8	18.5	18.5
~ NK BRAND S49-Q9**	60.2	60.3	63.0	2.0	36.1	36.6	36.2	17.8	18.3	18.4
~ DEKALB DKB46-51**	57.6	57.4	62.0	2.1	37.7	37.7	37.7	18.0	18.7	18.3
~ CROPLAN GENETICS RC 4955 RR*	56.3	56.8		2.1	35.2	35.3		18.7	19.6	
~ ASGROW AG4903	59.0	60.1		2.0	35.1	35.8		18.6	19.3	
~ SOUTHERN STATES RT 4981N**	55.6	56.7		2.1	35.7	36.1		18.5	19.2	
~ DELTA KING DK4667**	56.5	56.9		2.7	35.3	35.5		18.3	19.2	
~ CROPLAN GENETICS RC 4655 RR*	49.8	51.6		1.9	37.4	36.8		17.3	19.1	
~ SOUTHERN CROSS DAN 4.8 N, RR**	55.2	57.3		2.2	36.5	36.2		18.5	19.0	
~ SOUTHERN STATES RT 4808N**	60.0	60.8		2.0	34.1	34.9		18.4	18.9	
~ DYNA-GRO 35Z49**	55.0	57.5		2.1	35.3	35.4		18.4	18.9	
~ DELTA AND PINE LAND DP 4724 RR*	57.8	58.4		2.1	37.3	37.9		18.3	18.9	
~ HORNBECK HBK R4724	56.6	58.4		2.1	36.2	35.8		18.1	18.8	
~ PIONEER VARIETY 94M80*	56.6	56.0		2.1	37.3	37.6		18.1	18.8	
~ TRISOY 4858RR(CN)*	58.1	58.5		2.0	35.2	35.6		18.2	18.7	
~ ASGROW AG4703	58.8	59.8		1.7	36.0	36.6		18.0	18.7	
~ VIGORO V49N6RR**	60.5	60.8		2.4	36.6	37.2		18.0	18.3	
~ DELTA KING DK4764**	58.4	57.9		2.2	36.1	36.2		18.2	18.2	
~ GUTWEIN H-4878RR**	59.0	58.0		2.4	37.5	37.9		17.8	18.0	
~ EXCEL BRAND 8493NRR*	54.2	56.7		2.1	37.7	37.6		17.3	18.0	
~ SCHILLINGER SEED 495 RC*	55.9	57.0		2.3	36.8	37.6		17.9	17.9	
~ SOUTHERN STATES RT 4651N**	55.0	55.4		1.8	36.9	36.9		17.0	17.9	
~ SOUTHERN CROSS ELI 4.7 N, STS, RR	63.5			1.3	34.2			19.6		
~ GREAT LAKES GL 4709RR**	60.5			1.4	34.3			19.4		
~ STINE 4782-4	63.2			1.3	34.3			19.2		
~ SOUTHERN STATES RT 4996N**	58.0			2.2	36.5			19.0		
~ UNISOUTH GENETICS USG 74A76**	58.5			2.5	35.4			18.8		
~ SOUTHERN STATES RT 4777N**	58.5			2.4	36.9			18.7		
~ DELTAGROW 4860 RR**	58.0			2.0	37.8			18.6		
~ HORNBECK HBK R4924**	57.7			2.3	34.9			18.6		
~ NKXR 4967**	59.5			2.3	36.2			18.3		
~ CROW'S C4817R**	59.0			2.1	34.7			18.3		
~ DELTA AND PINE LAND DP 4919 RR/S	56.1			2.3	38.2			18.3		
~ ADLER SEEDS 492RRN*	55.7			2.0	34.7			18.3		
~ STEYER 4600 RR SCN**	55.7			2.0	36.2			18.3		
~ SOUTHERN STATES RT 4760N**	58.4			2.3	37.8			18.2		
~ EXCEL BRAND 8481NRR*	58.3			2.2	37.0			18.2		
~ NKXR 4669**	61.6			1.9	36.3			18.1		
~ CAVERNDALE CF 482 RRn*	58.1			2.0	37.9			18.1		
~ DELTA KING DK4968	57.0			2.4	35.6			18.1		
~ DELTAGROW 4970 RR**	60.3			2.5	36.5			17.9		
~ SEED CONSULTANTS SC 9466RR**	57.6			1.9	36.7			17.9		
~ EXCEL BRAND 8447NRR*	60.2			1.9	36.4			17.7		
~ DELTA KING DKXTJ750	56.5			2.1	37.6			17.6		
~ DYNA-GRO 38T47**	56.2			2.1	38.4			17.6		
LATE GROUP IV AVERAGE	57.5	57.7	62.6	2.1	36.4	36.5	36.7	18.3	18.9	19.0
LSD (0.10)	2.8	2.0	2.1	0.2						

**MATURITY GROUP V**

NS	KS5003sp (small seeded variety)	46.2	46.5	47.2	3.5	35.8	35.8	35.7	19.1	19.2	19.2
	UNISOUTH GENETICS USG 5002T	60.5	63.9	64.0	2.7	36.0	36.1	35.7	18.3	19.1	19.2
~	DELTA KING DK5161**	55.4	57.4	58.3	3.7	35.3	35.4	36.0	18.6	19.1	19.1
P	ANAND**	59.7	60.2	59.9	2.3	34.7	35.2	35.4	18.6	18.8	18.9
~	VIGORO V50N5RR**	56.2	57.8	61.3	2.5	37.9	37.4	37.3	18.0	18.6	18.8
~	SOUTHERN STATES RT 5540N**	54.5	56.7	58.4	2.7	36.8	36.5	36.8	18.0	18.9	18.7
P	HUTCHESON	54.3	59.0	58.5	2.7	36.6	36.4	36.2	17.9	18.7	18.7
~	GUTWEIN H-5053RR**	52.5	55.1	61.0	2.7	36.7	36.9	37.3	17.9	18.6	18.6
P	TEEJAY	57.4	60.1	61.5	2.3	35.5	36.0	35.9	17.7	18.5	18.5
~	DELTA KING DK55T6**	55.0	58.4	56.7	3.3	35.3	35.2	35.5	17.5	18.5	18.2
~	UNISOUTH GENETICS USG 75J32**	57.5	59.4	60.7	2.3	36.5	36.1	36.2	17.8	18.4	18.2
NS	KS5005sp (large seed, high protein)	51.3	52.6	55.2	2.6	37.6	38.0	38.2	17.4	17.9	17.9
~	DELTA KING DK5366**	52.6	57.5	55.9	3.5	36.3	36.9	37.2	17.1	18.2	17.8
~	SOUTHERN STATES RT 5130N**	50.5	55.0	55.5	2.8	37.5	37.7	37.8	17.3	18.1	17.8
	UNISOUTH GENETICS USG 5601T	61.3	64.0	66.2	2.6	37.9	38.0	37.7	16.7	17.6	17.8
NS	KS1642sp (low linolenic acid)	45.7	47.1		3.2	34.0	34.3		18.9	19.4	
~	DELTA KING DK5066**	55.5	58.4		2.2	37.3	37.7		18.5	18.9	
~	DELTA KING DK5567*	56.1	60.5	60.0	3.2	35.7	36.0		17.1	18.0	
~	VIGORO V50N7RS**	57.7			2.3	37.3			18.7		
~	SOUTHERN CROSS DAMASCUS 5.0 N, RR	58.7			2.4	37.3			18.4		
~	DELTA GROW 5160 RR**	61.1			2.4	37.6			18.1		
~	EXCEL BRAND 8512NRR*	57.6			2.3	36.9			18.1		
~	SOUTHERN STATES RT 5160N*	55.5			2.8	35.5			18.1		
~	UNISOUTH GENETICS USG 7515nRS**	54.6			2.4	37.7			18.0		
P	JAKE	56.0			2.5	35.5			17.9		
~	UNISOUTH GENETICS USG 75M16	54.5			2.5	35.0			17.9		
~	DELTA KING DK5368	55.8			3.6	38.2			17.8		
~	DELTA KING DKXTJ704	53.1			2.1	37.7			17.8		
NS	K03-3821 (high protein)	49.8			2.0	39.9			17.8		
~	DELTA KING DK52K6**	57.8			2.9	37.6			17.6		
~	TRISOY 5060RR(CN)*	55.2			2.3	37.6			17.6		
~	DELTA AND PINE LAND DP 5115 RR/S	52.3			2.2	36.9			17.6		
NS	K03-3825 (high protein)	50.8			1.7	37.9			17.5		
~	DELTA KING DKXTJ703*	53.1			2.5	36.3			17.4		
~	NKXR 5068*	56.4			2.0	36.9			17.3		
~	EXCEL BRAND 8520NRR*	58.7			2.4	37.2			17.2		
~	HORNBECK HBK R5226*	53.6			3.5	37.7			17.2		
~	UNISOUTH GENETICS USG 56124	54.5			2.7	37.2			17.1		
~	UNISOUTH GENETICS USG 56293	56.3			2.9	37.1			17.0		
~	UNISOUTH GENETICS USG ALLEN	58.9			2.6	36.6			16.8		
~	UNISOUTH GENETICS USG 56379	61.2			2.5	36.5			16.7		
~	PIONEER VARIETY 95M30**	52.5			3.1	36.2			16.7		
	GROUP V AVERAGE	55.2	57.2	58.8	2.6	36.8	36.4	36.6	17.7	18.6	18.5
	LSD (0.10)	2.5	1.9	2.0	0.2						
	GRAND MEAN	56.3	55.7	59.9	2.1	36.9	37.0	36.7	18.4	19.3	19.0

~ 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 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.

B 2006 variety protein and oil concentration was determined at the Hancock Co. location (all test locations for NS entries) and expressed on the basis of 13% moisture. 2005 protein-oil data are from Caldwell Co. and 2004 protein-oil data are from Fayette Co.. These data were provided by the Iowa State University Grain Quality Analysis Services using near-infrared (NIR) analysis.

## Memorandum

Date: November, 2006

TO: Soybean Seed Producers

FROM: Eugene Lacefield, Research Specialist

SUBJECT: 2007 Kentucky Soybean Performance Tests

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The Kentucky Soybean Performance Tests are conducted to provide an unbiased, objective estimate of the relative performance of soybean varieties in Kentucky. If you have soybean varieties for sale in Kentucky and would like to enter them in the state trials, please read the following pages carefully. Fill out the nomination form completely (typing prevents errors) and note that it is due back by February 20. You will be notified in early March which entries are accepted for testing (usually all entries). Instructions will then be sent for shipping seed. After all tests have been planted, a statement of fees will be sent along with instructions for remittance of fees.

DO NOT SEND CHECK FOR FEE UNTIL YOU HAVE BEEN BILLED.

This year's publication web site is <http://www.uky.edu/Ag/GrainCrops/varietytesting.htm> Pages 1–40 are the printed publication. 5000 copies are distributed across Kentucky annually in December or late November. Pages after page 40 comprise web site additions which feature column headers that will sort the summary table by each column header---for example, by variety name. Also available is this cover memo, an interactive nomination form, and instructions for entering soybean varieties in the 2007 tests. The publication web site which was activated December 1, 1999, was accessed 14,000+ times for the 2004 publication, more than 32,000 times for the 2005 publication.

If, due to rapid changes in the agriculture industry, this memorandum has not reached the correct contact person please forward or e-mail me the correct information. Thank you for participating in the Soybean Variety Test Program and for being interested in marketing tested varieties in Kentucky. Your involvement helps all the soybean producers of Kentucky.

If you have any questions or would like additional information, call, write, or e-mail:

Eugene Lacefield  
Department of Plant and Soil Sciences  
University of Kentucky  
N-222C Ag. Science Center North  
Lexington, KY 40546-0991  
Tel: 859-257-2993  
Fax: 859-323-1952  
E-mail [elace0@uky.edu](mailto:elace0@uky.edu)

## KENTUCKY SOYBEAN PERFORMANCE TESTS

### **Purpose**

The soybean performance tests are conducted annually by the Kentucky Agricultural Experiment Station and are designed as a direct service and benefit to agriculture in the state of Kentucky. Results of these tests are published to provide information to producers and seedsmen on the relative performance of soybean varieties offered for sale in the state of Kentucky.

### **Eligibility for variety nomination**

Seed companies and producers of soybean seed to be sold or offered for sale in Kentucky and the Kentucky Agricultural Experiment Station may nominate varieties for the soybean testing program. Exceptions will be made for novel soybeans and experimental entries.

### **Requirements for nomination and testing**

1. Named soybean varieties within maturity groups late II, III, IV and V will be tested.
2. Named varieties offered for sale or sold in the state of Kentucky during the test year or following year are eligible for nomination for testing as indicated by specifying the market outlet in Kentucky. Some experimental lines will be tested and the data will now be published. The publishing of data for experimental entries will provide early data on unreleased potential new varieties. This will enable 2 and 3 year data to be provided for new named varieties offered for sale in Kentucky the following year.
3. Entries must meet the standards for a variety as defined by the U S Federal Seed Act and the Plant Variety Protection Act if it is a protected variety.
4. Entries must comply with the Kentucky State Seed Law.

All entries (except experimental and novel soybeans) in the Kentucky soybean performance test must be identified by the name(s) required to be on the seed tag or label by the Kentucky Seed Law, i.e., listed in the manner by which the seed will be sold or offered for sale in Kentucky. The law requires the variety designation whether name, or number, or combination of both. Use of a brand name or trademark is not acceptable unless it is clearly identified as being other than a part of the variety designation. A brand name or trademark can never be used instead of the variety.

Examples of proper identification of entries on the nomination form are:

- A. Without a brand name - Bountiful (Soybean)
- B. With a brand name - Ajax Brand Bountiful (Soybean)

This complete designation, brand and variety name will be published in the performance bulletin. Experimentals (not published) will have an EXP prefix – example: EXP Ajax Brand etc. Novel entries will have a NS prefix.

5. Brands representing a single variety are not eligible for testing if the variety in question is already represented.
6. Nomination forms must be completely filled out.

## Requirements for nomination and testing (continued)

7. All nominations accepted for testing will be placed in the conventional full season tests and evaluated at five locations.
8. A fee of \$420 per entry will be required for each entry accepted for testing. Selected novel soybeans such as high protein, high oil, natto, tofu, and other value-added types will be tested for free (please provide a description on a separate sheet of paper).
9. The nominating organization will supply 10 pounds of seed of entries accepted for testing by March 15 (shipping address at bottom of page). **No pesticide treated seed will be accepted.**
10. Nominated entries that are dropped by the nominating company after March 15 will be charged the full entry fee for non-used space in the test. A replacement variety may be provided after March 15 by special request.

### Selection Procedure

1. The size of the conventional tests will be approximately 200 entries. Approximately 20 test slots will be used for standard public varieties, experimentals, and new public releases, 20 test slots will be used for novel soybean varieties, and 160 test slots for private entries.
2. Organizations will nominate entries. List the entries on the nomination form in order of priority with the highest priority first and the lowest priority last. Experimental entries will have the lowest priority and should have a "EXP" prefix – example: EXP AJAX BRAND ZTQ 445RR.
3. Nominations of equal priority from each organization will be entered in the test until all test slots are filled. If more eligible nominations are received than the size limit of the test, a random drawing of equal priority nominations may be used to select the entries to fill the test slots. In the past all nominations have been accepted except experimental and novel soybeans.
4. Standard public varieties and new publicly released varieties will be entered by the Kentucky Agricultural Experiment Station.
5. To assure that the needs of agriculture in the state of Kentucky are met, the Kentucky Agricultural Experiment Station may revise the list of entries to compensate for obvious deficiencies of varieties of soybeans being grown by farmers in Kentucky.

### Important dates

Nominating forms and instructions (available at publication web site-see below: **Pub. of results**) will be mailed in mid-January. The nomination forms must be returned by February 20. Notification of nominations accepted for testing and instructions for seed shipment will be mailed the first week of March. Ten pounds of seed of nominations accepted for testing must be sent to the University of Kentucky by March 15. The Kentucky Agricultural Experiment Station reserves the right to sample seed for testing from marketing outlets in Kentucky. Failure to meet the stated deadlines may eliminate a nomination from the test. Instructions for the remittance of fees and a statement of fees will be sent in early July after all tests have been planted. Payment will be due ten days after receipt of the billing. Mail forms and ship seed to:

Eugene Lacefield  
Department of Agronomy  
N-222C Ag. Science Center North  
University of Kentucky  
Lexington, KY 40546-0091

Phone: (859) 257-2993  
Fax: (859) 323-1952  
E-mail: elace0@uky.edu



## **Testing methods**

The tests will sample a range of environments of the soybean producing areas of the state of Kentucky. The number of tests, type, and specific locations may vary from year to year. In 2006 there will be five full season conventional tests. Entries will be replicated 2 times in each test.

Six row plots will be 20 feet long with a row spacing of 16 inches. All entries will be planted at a seeding rate of 5-6 viable seeds per foot of row unless specific requests are attached to the nominating form. Correction for germination will be made provided the percent germination is listed on the nomination form. If no germination percentage is listed, it will be assumed to be 85%.

Cultural practices recommended by the University of Kentucky will be used. Procedures used for planting, weed control and harvesting will be similar to those used in actual commercial production of conventional soybeans. Plots will be end-trimmed to 16 feet. A small combine will be used for harvesting the center 4 rows from the 6-row plots.

Data to be collected at all tests will be grain yield and lodging score. Maturity date and plant height will be taken at the Fayette County (Lexington) location. Other observations (such as seed shattering scores, hail damage, pest information, % protein/oil etc.) may be taken if warranted.

For detailed information see the University of Kentucky progress report 536, "Kentucky Soybean Performance Tests - 2006".

## **Publication of results**

Data for all entries in the Kentucky Soybean Performance Test will be published according to the policies established by the Kentucky Agricultural Experiment Station. If for any reason the results of the tests are judged to be unreliable or possibly misleading the results will not be published. Results will be published annually in the University of Kentucky progress report "Kentucky Soybean Performance Tests - 200x". The bulletin will be made available in limited quantities to all interested concerns at no charge. It can also be found at the Web site shown below.

<http://www.uky.edu/Ag/GrainCrop/varietytesting.htm>

## **Disclaimer**

Every possible effort will be made to plant, harvest and tabulate results for each entry accepted for testing. Certain conditions such as weather, floods, hail damage, herbicide carry-over and drift, insect and disease problems, plot availability, etc. may make this impossible. Therefore, the Kentucky Agricultural Experiment Station assumes absolutely no responsibility for any damages resulting from these tests. If for any reason the tests cannot be completed, test fees will not be refunded. Trade names of products mentioned or similar products not named is neither intended as an endorsement nor criticism of such products by the Kentucky Agricultural Experiment Station.

<a href="#">BACK TO WEB SITE FEATURES PAGE 1</a>
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**RESET ENTRIES  
RESET FORM**

**KENTUCKY SOYBEAN PERFORMANCE TEST NOMINATION FORM  
PLEASE TYPE - FORM MUST BE FILLED IN COMPLETELY - PRINT AND MAIL**

**RETURN TO  
1st page of pub.**

Organization name \_\_\_\_\_  
 Nominators name \_\_\_\_\_  
 Address \_\_\_\_\_  
 \_\_\_\_\_  
 Phone \_\_\_\_\_  
 Email \_\_\_\_\_

5 Test locations, 2 replications / location.  
 \$420 per entry, novel entries are free.  
 All entries are tested at all locations.  
 Mail 10 lbs. of seed / entry by March 15 to ----->  
 Links to detailed instructions are available at:  
<http://www.uky.edu/Ag/GrainCrops/varietytesting.htm>  
 Insecticide treated seed will not be accepted.  
 Entries dropped by company after 3/15 will be charged.

Cell Phone \_\_\_\_\_

Return form by February 20 to:  
 Eugene Lacefield  
 Plant & Soil Sci. Dept., N-222C ASCN  
 University of Kentucky  
 Lexington, KY 40546-0091  
 Phone: (859) 257-2993  
 Fax: (859) 323-1952  
 E-mail: elace0@uky.edu

**List nominations with top priority for testing first.** Any number of nominations may be made but we cannot guarantee that all will be tested. Information listed below may be used in the performance bulletin publication. Experimental entries should have a "EXP" prefix. Novel soybeans should have a "NS" prefix. **PLEASE TYPE**

Entry: <u>type</u> name exactly as it will appear in the publication	New this year <sup>1</sup>	Maturity Group example 4.7	Roundup Ready	Percent Germ <sup>2</sup>	Race (s) of Soybean Cyst Nematode Resistance	Check the appropriate race & resistance <sup>3</sup>							
						Phytophthora sojae				Sudden Death Syndrome	Soybean Mosaic Virus	Stem Canker	Other
						Resistance	Gene	Field					
						Rps	tolerance						
					1 3 4 5 9 14	1a 1b 1c 1d 1k 3a 6 7	S MS MT T	S MS MR R	S MS MR R	S MR R	S MR R		
					1 3 4 5 9 14	1a 1b 1c 1d 1k 3a 6 7	S MS MT T	S MS MR R	S MS MR R	S MR R	S MR R		
					1 3 4 5 9 14	1a 1b 1c 1d 1k 3a 6 7	S MS MT T	S MS MR R	S MS MR R	S MR R	S MR R		
					1 3 4 5 9 14	1a 1b 1c 1d 1k 3a 6 7	S MS MT T	S MS MR R	S MS MR R	S MR R	S MR R		
					1 3 4 5 9 14	1a 1b 1c 1d 1k 3a 6 7	S MS MT T	S MS MR R	S MS MR R	S MR R	S MR R		
					1 3 4 5 9 14	1a 1b 1c 1d 1k 3a 6 7	S MS MT T	S MS MR R	S MS MR R	S MR R	S MR R		
					1 3 4 5 9 14	1a 1b 1c 1d 1k 3a 6 7	S MS MT T	S MS MR R	S MS MR R	S MR R	S MR R		

<sup>1</sup> Check if the entry was not in the KY test in 2006. If entry was in last years test as an experimental or the name has been changed please add a note to this effect.

<sup>2</sup> If not specified, 100% will be assumed.

<sup>3</sup> Use provided choices: S=susceptible, MS=moderately susceptible, MR=moderately resistant, R=resistant, T=tolerant MT=moderately tolerant

DO NOT SEND MONEY WITH THIS FORM. You will be notified at a later date which nominations have been accepted for testing and procedures for remittance of all fees.

I affirm that I have carefully studied the plans, rules, and procedures for the Kentucky Soybean Performance Tests and I will comply with all rules and procedures. Remittance of the fees will be made within 10 days after receiving the statement of fees from the Kentucky Agricultural Experiment Station.

Signature \_\_\_\_\_ Date \_\_\_\_\_ Title \_\_\_\_\_