

# 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. 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. Soybean cultivars were entered by soybean growers, commercial companies, and state and federal institutions.

Five soybean tests were planted in 2007 in Kentucky. The WKU and MSU sites were dropped due to severe drought. The five test locations are shown below. Soil types, planting dates, and other information are shown in Table 1.

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## Kentucky Grain Crops Web Site:

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

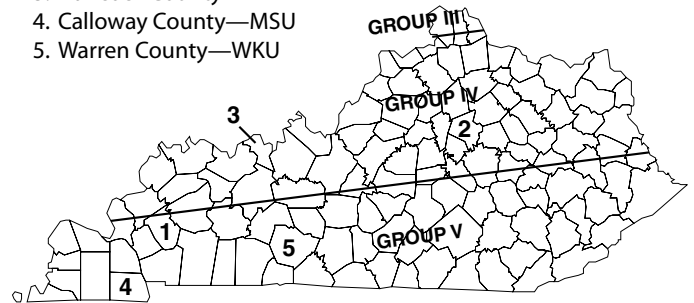
Provides links to Kentucky variety test publications and related resources.

## 2007 Soybean Test Web Site Features:

- [Column header sorting feature for Summary Table 4.](#)
- [Nomination form, cover letter, and instructions for 2008 tests entries.](#)

## Location of the 2007 Kentucky Soybean Tests

1. Caldwell County
2. Fayette County—UK
3. Hancock County
4. Calloway County—MSU
5. Warren County—WKU



## Seed Source Information on page 4

**Table 1. Location, Planting, and Climatic Data for the 2007 Soybean Performance Tests**

Test	Site	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 University of Kentucky	Crider Silt Loam	5/14	P 100 K 345 pH 6.2	None	10/21
Warren County Full Season <sup>3</sup>	Western Kentucky University	Pembroke Silt Loam	5/15	P 208 K 379 pH 6.0	None	10/21
Fayette County Full Season	Lexington Exp. Station University of Kentucky	Woolper Silt Loam	5/09	P 369 K 304 pH 6.2	None	10/25
Calloway County Full Season <sup>3</sup>	Murray State University	Dr. Ferguson Agronomist	5/08	P 132 K 111 pH 6.9	40 lb P205 300 lb K20	10/27
Hancock County Full Season	Shelby Emmick Farm	Diane Perkins Extension Agent	5/07	P 207 K 352 pH 6.3	None	10/22

<sup>1</sup> Amount per acre.

<sup>2</sup> Based on 30-year average.

<sup>3</sup> Location was not harvested due to drought.

## Methods

All tests were planted in a randomized complete block design by maturity group. The tests (Tables 5-7) 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. Companies could choose to treat their seed with fungicides, but insecticide treated seed was not accepted.

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 (60 pounds) per acre adjusted to 13% moisture. An electronic moisture monitor located on the combine was used for moisture readings for each plot.

**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 99% of the pods have turned their normal mature color. One to two weeks of good drying weather may 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 and 2007 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.

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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 "\*" prefix) 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.

Nineteen 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; 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 and potentially have a large U.S. market. Oil and protein data are provided in Table 4. Low linolenic acid (18:3) varieties which entered commercial production in 2006 are another example of a novel special-trait soybean of current interest. Labeling for trans-fat as required by the Food and Drug Administration of the United States began Jan. 1, 2006. Trans-fats, which are undesirable for human health, result from the hydrogenation of vegetable oils. Low linolenic acid (18:3) varieties does not require this process.

## Growing Conditions and Special Circumstances

Kentucky's weather during the 2007 soybean growing season depressed soybean productivity. The season started warm and dry with the April through June period being the fifth driest in 113 years. It continued hot and dry; West Kentucky rainfall in July was ¼-½ of normal, and August was the hottest and third driest on record for Kentucky. (<http://www.wagwx.ca.uky.edu/public/annual07.txt>). As a result Kentucky soybean production was forecast at 30.1 million bushels, down 50% from last year's crop; yield was estimated at 28 bu/a ([http://www.nass.usda.gov/Statistics\\_by\\_State/Kentucky/Publications/Agri-News/oct226.pdf](http://www.nass.usda.gov/Statistics_by_State/Kentucky/Publications/Agri-News/oct226.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" and Volume 7, Issue 4, "Soybean Seed Rates."

## 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.

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

## Acknowledgments

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## Sources of Seeds

The seed planted in the 2007 Soybean Performance Tests was acquired from the following sources:

### Armor Seed Company

Cade Greeno / Scottie Blanchard  
..... 870-579-2286

1 Pennsylvania  
Waldenburg, AR 72475  
cade@bscn.com  
ARMOR 47-F8

### Beck's Superior Hybrids

Dr. Kevin Cavanaugh ..... 317-984-3508  
6767 East 276th Street  
Atlanta, IN 46031  
kevinc@beckshybrids.com  
BECK 399NRR  
BECK 444NRR  
BECK 422NRR

### Bo-Jac Seed Company/ Mavrick Brand Soybean

Larry Schahl ..... 217-792-5001  
245 1500th Avenue  
Mt. Pulaski, Illinois 62548  
MAVRICK 5284RR  
MAVRICK 7303RR

### Brown Seed Enterprises, Inc.

..... 217-895-2335  
289 Company Road 550N  
Neoga, IL 62447  
dbrown@rr1.net  
BROWN SEED MG 4317X

### Caverndale Farms, Inc.

Brenda Welty ..... 859-236-2150  
1921 Bluegrass Road  
Danville, KY 40422  
caverndale@kywimax.com  
CAVERNDALE CF 410 RR/STSn  
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CAVERNDALE CF 447 RR/STSn  
CAVERNDALE CF 470 RR/STSn

### CPS-Vigoro Seeds

..... 309-342-4100 ext.18  
P.O. Box 1467  
Galesburg, IL 61402  
www.vigorofoods.com  
VIGORO V39N7RR  
VIGORO V40N8RS  
VIGORO V42N7RS  
VIGORO V48N7RS  
VIGORO V49N6RR

### Croplan Genetics

Darrin Holder ..... 270-653-9902  
298 Taylor Road  
Clinton, KY 42031  
dholder@landolakes.com  
CROPLAN GENETICS RC 3935 RR  
CROPLAN GENETICS RC 4455 RR  
CROPLAN GENETICS RC 4757 RR  
CROPLAN GENETICS RC 4842 RR  
CROPLAN GENETICS RC 4955 RR  
CROPLAN GENETICS RC 5007/STS

### Crow's Hybrid Corn Company

Wayne Hoener ..... 515-597-5903  
1551 Highway 210  
Huxley, IA 50124  
wayne.hoener@channelbio.com  
CROW'S C3916R  
CROW'S C4142R  
CROW'S C4517R  
CROW'S C4815R

### Delta Grow Seed

Lee Hughes ..... 800-530-7933  
220 NW 2nd  
England, AR 72046  
leehughes19@hotmail.com  
DELTA GROW 4150 RR  
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DELTA GROW 4470 RR/STS  
DELTA GROW 4660 RR  
DELTA GROW 4770 RR  
DELTA GROW 4780 RR  
DELTA GROW 4840 RR  
DELTA GROW 4960 RR  
DELTA GROW 4970 RR  
DELTA GROW 4975 LARR  
DELTA GROW 5160 RR/STS  
DELTA GROW 5270 RR  
DELTA GROW 5300 RR  
DELTA GROW 5470 RR/STS

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Monty Malone ..... 870-731-2992  
P.O. Box 970  
McCrory, AR 72101  
monty.malone@deltakingseed.com  
DELTA KING DK4567  
DELTA KING DK4667  
DELTA KING DK4763  
DELTA KING DK4866  
DELTA KING DK4967  
DELTA KING DK4968  
DELTA KING DK5066  
DELTA KING DK5068  
DELTA KING DK5161  
DELTA KING DK52K6  
DELTA KING DK5366  
DELTA KING DK5368  
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DELTA AND PINE LAND DP 4888 RR/S  
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ebbertsfieldseeds@woh.rr.com  
EBBERTS 3386  
EBBERTS 1357RR  
EBBERTS 1365RR  
EBBERTS 1378RR  
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bmurray@progenyag.com  
PROGENY 3900  
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PROGENY 4807  
PROGENY 4817  
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PROGENY 5107  
PROGENY 5115  
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PROGENY 5307  
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Dr. Ron Secrist ..... 800-593-7708  
116 East State, PO Box 320  
Camp Point, IL 62320  
rsecrist@dairylandseed.com  
DAIRYLAND 8396RR/STS  
DAIRYLAND 8450RR  
DAIRYLAND 8474RR  
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DAIRYLAND 8530RR

### Gateway Seed Company

Ken Heinzman ..... 618-327-8000  
5517 Van Buren Road  
Nashville, IL 62263  
heinzmann@gatewayseeds.com  
GATEWAY 3RS387  
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### Great Lakes Hybrids, Inc.

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GREAT LAKES GL 4129RR  
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Carmel, IN 46032  
jenkinsg@helenachemical.com  
HELENA BRAND SEED 3676  
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HELENA BRAND SEED 4576  
HELENA BRAND SEED 4875

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PO Box 472, 210 Drier Road  
DeWitt, AR 72042-0472  
jthomas@hbseed.com  
HORNBECK HBK R3824  
HORNBECK HBK R3927  
HORNBECK HBK R4527  
HORNBECK HBK R4727  
HORNBECK HBK R4924  
HORNBECK HBK R5226  
HORNBECK HBK RS5227

### JGL Inc.

Greg Gerard  
1550 Pidco Drive  
Plymouth, IN 46563  
ggerard@jglinc.net  
EXP JG49

**Kentucky Foundation Seed Project**

Letha J. Tomes, Manager..... 859-281-1109  
 3250 Iron Works Pike  
 Lexington, KY 40511  
 ltomes@uky.edu  
 ANAND  
 JAKE  
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**Miles Seed**

Scott D Janes, CCA..... 270-926-2420  
 P.O. Box 22879  
 Owensboro, KY 42304 2879  
 scojan@milesmore.com  
 SOUTHERN CROSS DAMASCUS 5.0 N,  
 RR, STS  
 SOUTHERN CROSS ELI 4.7 N, RR, STS  
 SOUTHERN CROSS MICHAEL 4.2 N, RR,  
 STS  
 SOUTHERN CROSS STEPHEN 3.8 N, RR  
 SOUTHERN CROSS GALILEE 4.7 N, RR  
 SOUTHERN CROSS CALEB 4.4 N, RR, STS  
 SOUTHERN CROSS LUCAS 3.8 N, RR  
 SOUTHERN CROSS HIRAM 4.9 N, RR

**Monsanto Company**

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 800 N. Lindbergh Blvd.  
 St. Louis, MO 63167  
 www.monsanto.com  
 www.dekalb.com  
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 ASGROW AG3603  
 ASGROW AG3705  
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 ASGROW AG3906  
 ASGROW AG4103  
 ASGROW AG4404  
 ASGROW AG4405  
 ASGROW AG4605  
 ASGROW AG4703  
 ASGROW AG4801  
 ASGROW AG4903  
 ASGROW DKB42-51  
 ASGROW DKB46-51

**NK Brand**

Mike Saxton, CCA ..... 270-792-5885  
 424 Jamie Way  
 Bowling Green, KY 42104  
 mike.saxton@garstseedco.com  
 NK BRAND S37-P5  
 NK BRAND S38-D5  
 NK BRAND S38T8  
 NK BRAND S39-A3  
 NK BRAND S45-E5  
 NK BRAND S49-Q9  
 NK BRAND XR4472  
 NK BRAND XR4674

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

Michael R. Hughes ..... 800-331-2475  
 700 Boulevard South Suite 302  
 Huntsville, AL 35802  
 michael.hughes@pioneer.com  
 PIONEER VARIETY 93M42  
 PIONEER VARIETY 93M90  
 PIONEER VARIETY 94B73  
 PIONEER VARIETY 94M30  
 PIONEER VARIETY 94M50  
 PIONEER VARIETY 94M71  
 PIONEER VARIETY 94M80  
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Corey Nikkel ..... 515-225-1166  
 4200 Corporate Drive, Suite 106  
 West Des Moines, IA 50266  
 SCHILLINGER SEED 457 RCP  
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 SCHILLINGER SEED 495 RC

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Chris Jeffries ..... 800-708-2676  
 PO Box 370, 648 Miami Trace Road SW  
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 SEED CONSULTANTS SC9355RR  
 SEED CONSULTANTS SC9386RR  
 SEED CONSULTANTS SC9387RR  
 SEED CONSULTANTS SC9388RR  
 SEED CONSULTANTS SC9399RR  
 SEED CONSULTANTS SC9415RR  
 SEED CONSULTANTS SC9442RR  
 SEED CONSULTANTS SC9448RR  
 SEED CONSULTANTS SC9456RR  
 SEED CONSULTANTS SC9468RR  
 SEED CONSULTANTS SC9478RR

**Southern States Cooperative**

Howard Tabor ..... 804-281-1203  
 PO Box 26234  
 Richmond, VA 23260  
 howard.tabor@sscoop.com  
 SOUTHERN STATES RT 3851N  
 SOUTHERN STATES RT 3860  
 SOUTHERN STATES RT 3871N  
 SOUTHERN STATES RT 3971N  
 SOUTHERN STATES RT 4151N  
 SOUTHERN STATES RT 4370N  
 SOUTHERN STATES RT 4451N  
 SOUTHERN STATES RT 4470N  
 SOUTHERN STATES RT 4551N  
 SOUTHERN STATES RT 4777N  
 SOUTHERN STATES RT 4760N  
 SOUTHERN STATES RT 4808N  
 SOUTHERN STATES RT 4981N  
 SOUTHERN STATES RT 4996N  
 SOUTHERN STATES RT 5160N  
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**Steyer Seeds**

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 6154 North County Road 33  
 Tiffin, OH 44883  
 joesteyer@yahoo.com  
 STEYER 4430 RR SCN  
 STEYER 4040 RR SCN  
 STEYER 4710 RR SCN

**Stine Seed Company**

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 22555 Laredo Trail  
 Adel, IA 50003-4570  
 pdeby@stineseed.com  
 www.stineseed.com  
 STINE 4392-4  
 STINE 4782-4  
 STINE 5482-4

**Trisler Seeds, Inc.**

Joe Bruce ..... 217-288-9301  
 3274 East 800 North Road  
 Fairmount, IL 61841  
 joe.bruce@trisler.com  
 Trisoy 4227RR(CN)  
 Trisoy 4760RR(CN)

**Unisouth Genetics, Inc.**

Stacy Burwick ..... 615-242-3397  
 2640-C Nolensville Road  
 Nashville, TN 37211  
 sburwick@usgseed.com  
 UNISOUTH GENETICS USG 5002T  
 UNISOUTH GENETICS USG 5601T  
 UNISOUTH GENETICS USG 7393nRR  
 UNISOUTH GENETICS USG 7494nRR  
 UNISOUTH GENETICS USG 74A76  
 UNISOUTH GENETICS USG 7515nRS  
 UNISOUTH GENETICS USG 75J32  
 UNISOUTH GENETICS USG 75J47  
 UNISOUTH GENETICS USG 75M16  
 UNISOUTH GENETICS USG ALLEN

**UAP Distribution, INC (Dyna-Gro)**

Chris Hummel ..... 573-324-5932  
 15969 Highway J  
 Bowling Green, MO 63334  
 Chris.hummel@UAP.com  
 DYNA-GRO 32R46  
 DYNA-GRO 35B40  
 DYNA-GRO 35D44  
 DYNA-GRO 35G38  
 DYNA-GRO 38C42

**University of Tennessee**

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 Soybean Breeding and Genetics  
 Department of Plant Science  
 2431 Joe Johnson Drive  
 Knoxville, TN 37996-4561  
 vpantalo@utk.edu  
 TN05-4715 RR  
 TN03-12 RR

**Novel Soybean Varieties****Gateway Seed Company**

Ken Heinzman  
 5517 Van Buren Road  
 Nashville, IL 62263  
 heinzmann@gatewayseeds.com  
 GATEWAY 427 (high protein)

**Iowa State University**

Research Foundation  
 Julie Gustafson ..... 515-294-9442  
 310 Lab of Mechanics  
 Ames, IA 50011-2131  
 IA3024 (low linolenic)  
 IA3025 (low linolenic)  
 IA3027 (large seed, high protein)  
 IA3030RR (low linolenic)  
 IA3031RR (low linolenic)  
 IA3032RR (low linolenic)  
 IA3033RR (low linolenic)

**Kansas State University**

Bill Schapaugh  
 Agronomy Department  
 2004 Throckmorton Plant Sciences Center  
 Manhattan, KS 66506-5501  
 KS4607 (high protein)  
 KS5007sp (low linolenic)

**Monsanto Company**

..... 800-335-2676  
 800 N. Lindbergh Blvd.  
 St. Louis, MO 63167  
 www.monsanto.com  
 www.dekalb.com  
 www.asgrow.com  
 VISTIVE AG2821V (low linolenic)  
 VISTIVE AG2822V (low linolenic)  
 VISTIVE AG2921V (low linolenic)  
 VISTIVE AG3121V (low linolenic)  
 VISTIVE AG3521V (low linolenic)

**Schillinger Seed Inc.**

Corey Nikkel ..... 515-225-1166  
 4200 Corporate Drive, Suite 106  
 West Des Moines, IA 50266  
 SCHILLINGER SEED 387 TCL (low linolenic)  
 SCHILLINGER SEED 42HP (high protein)

**University of Tennessee**

Vincent R. Pantalano ..... 865-974-8801  
 Associate Professor  
 Soybean Breeding and Genetics  
 Department of Plant Science  
 2431 Joe Johnson Drive  
 Knoxville, TN 37996-4561  
 vpantalo@utk.edu  
 TN05-5109 (low phytate)

**Table 3. Company Disease Resistance Specifications for Entries in the 2007 Kentucky Soybean Performance Tests<sup>A</sup>**

Type	Variety / Brand	Relative Maturity Group	Soybean Cyst Nematode Resistance	Phytophthora sojae <sup>B,C</sup> Resistance Gene Rps	Field Tolerance	Sudden Death Syndrome <sup>C</sup>	Soybean Mosaic Virus <sup>C</sup>	Stem Canker <sup>C</sup>	Other Reported Resistance
~P	ANAND	5.7	3, 5, 14					MR	
	ARMOR 47-F8	4.7	3, 14		MT	MR		R	
	ASGROW AG3603	3.6	3	1c	MT	MR			
	ASGROW AG3705	3.7	3	1c	MT	MR			
	ASGROW AG3803	3.8	3	1c	MT	MR		R	
	ASGROW AG3906	3.9	3, 14		MT	MR		R	
	ASGROW AG4103	4.1	3	1a	MT	MR		R	
	ASGROW AG4404	4.4	3, 14	1a	MT	MR		MR	
	ASGROW AG4405	4.4	3	1c	MT	MR		R	
	ASGROW AG4605	4.6	3		S				
	ASGROW AG4703	4.7	3		MT	MR		R	
	ASGROW AG4801	4.8	3, 14		MT	MR		S	
	ASGROW AG4903	4.9			MT	R		MR	
	ASGROW DKB42-51	4.2	3	1c	MT	MR		R	
	ASGROW DKB46-51	4.6	3, 14		MT	MS		MR	
EXP	BECK 399NRR	3.9	3, 14		MT	MR	MR	MR	
	BECK 422NRR	4.2	3, 14		MT	R	MR	R	
	BECK 444NRR	4.4	3, 14		MT	R	MR	MR	
~	BROWN SEED MG 4317X	4.3	1, 3, 4, 5, 9, 14		MT	MR	MR	MR	Cystx Silver
	CAVERNDALE CF 410 RR/STSn	4.1	3, 14		MT	MR			
	CAVERNDALE CF 422 RR/STSn	4.2	3, 14		MT	MR		R	
	CAVERNDALE CF 447 RR/STSn	4.4	3, 14		MT	MR			
	CAVERNDALE CF 470 RR/STSn	4.7	3, 14		MT	MR			
	CROPLAN GENETICS RC 3935 RR	3.9	3, 14	1c	T	R	S	MR	
	CROPLAN GENETICS RC 4455 RR	4.4	3, 14		MT	R	S	MR	R-FROGEYE LEAF SPOT
	CROPLAN GENETICS RC 4757 RR	4.7	3	1c	T	R	S	R	R-FROGEYE LEAF SPOT
	CROPLAN GENETICS RC 4842 RR	4.8	3, 14		MT	R	S	MR	R-FROGEYE LEAF SPOT
	CROPLAN GENETICS RC 4955 RR	4.9	3		T	R	S	R	MR-FROGEYE LEAF SPOT
	CROPLAN GENETICS RC 5007 RR/STS	5.0	3	1c	T	R		R	R-FROGEYE LEAF SPOT
	CROW'S C3916R	3.9	3, 14	1c	MT	MR		MR	R-FROGEYE LEAF SPOT
	CROW'S C4142R	4.1	3, 14	1a	MT	MR			
	CROW'S C4517R	4.5	3, 14	1a	MT	MR		MR	R-FROGEYE LEAF SPOT
	CROW'S C4815R	4.8	3, 14		MT	MR			
	DAIRYLAND BRAND 8396RR/STS	3.9			MT	MR			
	DAIRYLAND BRAND 8450RR	4.5	3		MT	MR			
	DAIRYLAND BRAND 8474RR	4.7	3		MT	MR			
	DAIRYLAND BRAND 8482RR	4.8							
	DAIRYLAND BRAND 8509RR	5.0	3		MT	MR			
	DAIRYLAND BRAND 8530RR	5.3	3		1k	MT		R	
	DELTA AND PINE LAND DP 4724 RR	4.7	3	1k	MT	MR	S	R	
	DELTA AND PINE LAND DP 4888 RR/S	4.8			MT	R		R	MR-FROGEYE LEAF SPOT, MR-CERCOSPORA
	DELTA AND PINE LAND DP 4919 RR/S	4.9		3a	MT	R	R	R	MR-FROGEYE LEAF SPOT
	DELTA AND PINE LAND DP 5115 RR/S	5.1			MT	MR	R	R	MR-FROGEYE LEAF SPOT
	DELTA AND PINE LAND DP 5335 RR/S	5.3			MT	MS		R	
	DELTA AND PINE LAND DP 5414 RR	5.4	3		MT	MS	MR	R	
	DELTA KING DK4567	4.5	3, 14		MT	MR		MR	
	DELTA KING DK4667	4.6	3, 14		MT	MR		MR	
	DELTA KING DK4763	4.7	3, 5		MT	MS		S	
	DELTA KING DK4866	4.8	3	1a		MR		MR	
	DELTA KING DK4967	4.9	3, 14		MT	MR		MR	
	DELTA KING DK4968	4.9	3		MT	MS		MR	
	DELTA KING DK5066	5.0	3, 14		MT	MR		R	
	DELTA KING DK5068	5.0							
	DELTA KING DK5161	5.1	3, 14		MT	MS		R	
	DELTA KING DK52K6	5.2	3, 14		MT	MR		R	
	DELTA KING DK5366	5.3	3	1c		MR		S	
	DELTA KING DK5368	5.3	3		MT	MS		MR	
	DELTA KING DK5567	5.5	3		MT	MR		R	
EXP	DELTA KING DKXTJ847	4.7							
EXP	DELTA KING DKXTJ848	4.8	3, 14	1a		MR		MR	
EXP	DELTA KING DKXTJ851	5.1	3, 14		MT	MS		MR	
	DELTAGROW 4150 RR	4.1	3, 6	1a	MT	MR	MR	MR	

**Table 3. Company Disease Resistance Specifications for Entries in the 2007 Kentucky Soybean Performance Tests<sup>A</sup>**

Type	Variety / Brand	Relative Maturity Group	Soybean Cyst Nematode Resistance	Phytophthora sojae <sup>B,C</sup> Resistance Gene Rps	Field Tolerance	Sudden Death Syndrome <sup>C</sup>	Soybean Mosaic Virus <sup>C</sup>	Stem Canker <sup>C</sup>	Other Reported Resistance
	DELTA GROW 4460 RR	4.4	3, 14		MS	MR	MR	MR	
	DELTA GROW 4470 RR/STS	4.4	3		MT	MR	MR	MR	R-FROGEYE LEAF SPOT
	DELTA GROW 4660 RR	4.6	3		MT	MR	MR	MR	
	DELTA GROW 4770 RR	4.7	3		MT	MR	MR	R	
	DELTA GROW 4780 RR	4.7	3	1c	MT	MR	MR	R	MR-FROGEYE LEAF SPOT
	DELTA GROW 4840 RR	4.8	3, 5, 9, 14		MS	MS	MR	MR	
	DELTA GROW 4960 RR	5.0	3, 9		MT	MS	MR	MR	
	DELTA GROW 4970 RR	4.9	3, 14		MT	MR	MR	R	R-FROGEYE LEAF SPOT
	DELTA GROW 4975 LARR	4.9		1a	T	MR	S	S	
	DELTA GROW 5160 RR/STS	5.0	3, 6, 14		MT	MR	MR	MR	
	DELTA GROW 5270 RR	5.2	4, 14		MT	MR	MR	R	R-FROGEYE LEAF SPOT
	DELTA GROW 5300 RR	5.3	3, 5, 9	1c	MT	MR	MR	MR	
	DELTA GROW 5470 RR/STS	5.4	3, 14		MT	MS	MR	MR	
	DYNA-GRO 32R46	4.6	3, 14		S	R			
	DYNA-GRO 35B40	4.0	3, 14	1a		MR			
	DYNA-GRO 35D44	4.4	3		S	R			
	DYNA-GRO 35G38	3.8	3, 14		MT	MR			
	DYNA-GRO 38C42	4.2	3, 14		S	MR			
	EBBERTS 1357RR	3.5	3, MR-14	1c	T	R			R-FROGEYE LEAF SPOT, R-CHARCOAL ROT
	EBBERTS 1365RR	3.6	3, 14	1c	MT	MR			
	EBBERTS 1378RR	3.7	3, 14	1c	MT	MR			
	EBBERTS 1386RR	3.8	3, 14	1c	MT	MR			
	~ EBBERTS 3386	3.8	3, 14	1c	MT	MR			
	~P ESSEX (long term check-released 1974)	5.0							
	GATEWAY 3RS387	3.8	PI 88, 788	1c	MT	MR			STS, MR-BROWN STEM ROT, MR WHITE MOLD
	~NS GATEWAY 427 (high protein)	4.2	3, 14	7	T	MR		S	
	GATEWAY 5R533	5.3				MR	R	R	R-ROOT KNOT NEMATODE, MR-FROGEYE LEAF SPOT
	GREAT LAKES GL 4129RR	4.1	3, 14	1a	MT	R	S	MR	
	GREAT LAKES GL 4519RR	4.5	3, 14		MT	MR	S	R	
	GREAT LAKES GL 4709RR	4.7	3, 14		MS	MR	S	MR	
	HELENA BRAND SEED 3676	3.6	3, 14	1c	MT	MR		MR	
	HELENA BRAND SEED 4178	4.1			MT	MR		MR	
	HELENA BRAND SEED 4375	4.3	3, 14		MT	MR		MR	
	HELENA BRAND SEED 4576	4.5	3, 14	1a	MT	MR		MR	
	HELENA BRAND SEED 4875	4.8	3, 14		T	MR		MR	
	HORNBECK HBK R3824	4.0				MR	S	R	R PHYTO. RACE 1 & 17
	HORNBECK HBK R3927	3.7			MT			R	
	HORNBECK HBK R4527	4.5		1c	T			R	
	HORNBECK HBK R4727	4.7		1c	MT	MR		MR	
	HORNBECK HBK R4924	4.9	3, 14		MT	MR	R	R	
	HORNBECK HBK R5226	5.2	3		MT	MS	S	R	
	HORNBECK HBK R55227	5.2		1c	T	MR		MR	
	~NS IA3024 (low linolenic)	early 3							
	~NS IA3025 (low linolenic)	early 3							
	~NS IA3027 (large seed, high protein)	early 3							
	NS IA3030RR (low linolenic)	early 3							
	NS IA3031RR (low linolenic)	early 3							
	NS IA3032RR (low linolenic)	early 3							
	NS IA3033RR (low linolenic)	early 3							
	~P JAKE	5.4			MT	MT			SCN SOURCE IS HARTWIG
	EXP JG49	4.9	3		S	MR	MR	R	
	~NS K03-3825 (high protein)	late 4							
	~NS KS4607 (high protein)	late 4							
	~NS KS5007sp (low linolenic)	early 5							
	MAVRICK 5284RR	2.8	3, 14		MT	MR			R-BROWN STEM ROT, MR-CHARCOAL ROT
	MAVRICK 7303RR	3.0	3, 14	1c	MT	MR			R-BROWN STEM ROT, MR-CHARCOAL ROT, MR-FROGEYE LEAF SPOT
	NK BRAND S37-P5	3.7	3, 14		T	R			

continued on next page

**Table 3. Company Disease Resistance Specifications for Entries in the 2007 Kentucky Soybean Performance Tests<sup>A</sup>**

Type	Variety / Brand	Relative Maturity Group	Soybean Cyst Nematode Resistance	Phytophthora sojae <sup>B,C</sup> Resistance Gene Rps	Field Tolerance	Sudden Death Syndrome <sup>C</sup>	Soybean Mosaic Virus <sup>C</sup>	Stem Canker <sup>C</sup>	Other Reported Resistance
	NK BRAND S38-D5	3.8	3, 14	1c	MT	MR		S	
~	NK BRAND S38T8	3.3							
	NK BRAND S39-A3	3.9	3, 14		T	R			
	NK BRAND S45-E5	4.5	3, 14			MR		R	
	NK BRAND S49-Q9	4.9	1, 3, 9, 14	1c	MT	MR		R	
EXP	NK BRAND XR4472	4.4	3, 14	1c	MT	MR			
EXP	NK BRAND XR4674	4.6	3, 14	1c	MT	MR			
~P	PENNYRILE (long term check-released 1987)	4.7							
~	PIONEER VARIETY 93B82	3.8		1k	MT	MS			R-BROWN STEM ROT, MR-FROGEYE LEAF SPOT
	PIONEER VARIETY 93M42	3.4	3, 14		MT	MR			
	PIONEER VARIETY 93M90	3.9	3, 14		MT	MR			
	PIONEER VARIETY 94B73	4.7		1k	MT	MS		MR	
	PIONEER VARIETY 94M30	4.3	3, 14	1k	MT				
	PIONEER VARIETY 94M50	4.5	3, 14	1c	MT	MS			
	PIONEER VARIETY 94M71	4.7	3, 14		MT	R		S	
	PIONEER VARIETY 94M80	4.8	3, 14		MT	R		MR	
	PIONEER VARIETY 95M30	5.3	3, 14		MT				
	PROGENY 3900	3.9	3, 5, 14		T	MR		R	
	PROGENY 4206	4.2	3, 14			MR		R	
	PROGENY 4405	4.4	3, 14	1a	T	MR		R	
	PROGENY 4507	4.5		1a					
	PROGENY 4606	4.6	3, 14		T	MR			
	PROGENY 4706	4.7	3, 14		T	MR		R	
	PROGENY 4804	4.8	3, 14		T	MR		R	
	PROGENY 4807	4.8	3						
	PROGENY 4817	4.8	3						
	PROGENY 4906	4.9				MR		R	
	PROGENY 4949	4.9			S	MR		MR	
	PROGENY 5107	5.1	3						
	PROGENY 5115	5.1	3		T	MR		R	
	PROGENY 5207	5.2							
	PROGENY 5307	5.3	3						
	PROGENY 5407	5.4							
~NS	SCHILLINGER SEED 387 TCL (low linolenic acid)	3.8	3		MT	R	R	MR	
~NS	SCHILLINGER SEED 42HP (high protein)	4.2			T	MR	R	MR	
	SCHILLINGER SEED 457 RCP	4.5	3	1c	T	MR	MR	R	
	SCHILLINGER SEED 467 RCP	4.6	3	1a	T	MR	MR	R	
	SCHILLINGER SEED 495 RC	4.9	3		T	MS	MR	R	
	SEED CONSULTANTS SC9399RR	3.9-4.0	3, MR-14	1c		R			MR- BROWN STEM ROT
	SEED CONSULTANTS SC9355RR	3.5	3, 14	1c	MT	MR			MR-FROGEYE LEAF SPOT
	SEED CONSULTANTS SC9386RR	3.8	3, 14	1c	MT	MR			MR-FROGEYE LEAF SPOT
	SEED CONSULTANTS SC9387RR	3.8	3		MT				
	SEED CONSULTANTS SC9388RR	3.8	3, 14		MT				
	SEED CONSULTANTS SC9415RR	4.1	3, 14		MT	MR			MR-FROGEYE LEAF SPOT
	SEED CONSULTANTS SC9442RR	4.4	3, 14	1a	MT	MR			
	SEED CONSULTANTS SC9448RR	4.4	3, 14		MT	MR			MR-FROGEYE LEAF SPOT
	SEED CONSULTANTS SC9456RR	4.5	3, 14		MT	MR		MR	MR-FROGEYE LEAF SPOT
	SEED CONSULTANTS SC9468RR	4.6	3, 14		MT	MR			MR-FROGEYE LEAF SPOT
	SEED CONSULTANTS SC9478RR	4.7	3		MT	MR			MR-FROGEYE LEAF SPOT
	SOUTHERN CROSS CALEB 4.4 N, RR, STS	4.4	3, 14	NG2.5TOL	MT	MR			
	SOUTHERN CROSS DAMASCUS 5.0 N, RR, STS	5.0	3, 14	NG1.9	MT	MR		MR	
	SOUTHERN CROSS ELI 4.7 N, RR, STS	4.7	3, 14		MS	MR			
	SOUTHERN CROSS GALILEE 4.7 N, RR	4.7	3	1c	MT	MR		R	
	SOUTHERN CROSS HIRAM 4.9 N, RR	4.9	3		MT	MR			
	SOUTHERN CROSS LUCAS 3.8 N, RR	3.8	3, 14	1c	MT	MR			
	SOUTHERN CROSS MICHAEL 4.2 N, RR, STS	4.2	3, 14	NG	MT	MR			
	SOUTHERN CROSS STEPHEN 3.8 N, RR	3.8	3, 14	1k	MT	MR			
	SOUTHERN STATES RT 3851N	3.8	3, 14	1c	T	MR			
	SOUTHERN STATES RT 3860	3.8			MT	MR			
	SOUTHERN STATES RT 3871N	3.8	3, 14	1c	MT	MR			



**Table 3. Company Disease Resistance Specifications for Entries in the 2007 Kentucky Soybean Performance Tests<sup>A</sup>**

Type	Variety / Brand	Relative Maturity Group	Soybean Cyst Nematode Resistance	Phytophthora sojae <sup>B,C</sup> Resistance Gene Rps	Field Tolerance	Sudden Death Syndrome <sup>C</sup>	Soybean Mosaic Virus <sup>C</sup>	Stem Canker <sup>C</sup>	Other Reported Resistance
	SOUTHERN STATES RT 3971N	3.9	3, 14	1c	T	MR			
	SOUTHERN STATES RT 4151N	4.1	3, 14	1b	MT	MR			
	SOUTHERN STATES RT 4370N	4.3	3, 14	1c	MT	MR			
	SOUTHERN STATES RT 4451N	4.4	3, 14	1a	T	MR			
	SOUTHERN STATES RT 4470N	4.4	3, 14		MT	MR			
	SOUTHERN STATES RT 4551N	4.5	3, 14	1a	MT	MR			
	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 5160N	5.1	3	1c	MT	MR		R	
	SOUTHERN STATES RT 5540N	5.5	3, 14		MS	MR	R		
	STEYER 4040 RR SCN	4.0	3, 14	1c	T	MR	MR	MR	MR- BROWN STEM ROT, MR-SCLEROTINA WHITE MOLD
	STEYER 4430 RR SCN	4.4	3, 14		MT	MR	MR	MR	MR-FROGEYE LEAF SPOT
	STEYER 4710 RR SCN	4.7	3	1c	MT	MR	MR	MR	MR-FROGEYE LEAF SPOT
	STINE 4392-4	4.3	3, 14						
	STINE 4782-4	4.7	3, 14		S			R	
	STINE 5482-4	5.2	3, 14					R	
~P	TEEJAY	5.3					R	R	
EXP	TN03-12 RR	4.9							
EXP	TN05-4715 RR	4.6							
EXP~NS	TN05-5109 (low phytate)	4.6							
	Trisoy 4227RR(CN)	4.2	3, MR-14		MT	MR			
	Trisoy 4760RR(CN)	4.7	3, 14		MT	MR		MR	
~	UNISOUTH GENETICS USG 5002T	5.0						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 7393nRR	3.9	3, MR-14	1k		MR		R	
	UNISOUTH GENETICS USG 7494nRR	4.9	3, 14			MR			R-ROOT KNOT NEMATODE
	UNISOUTH GENETICS USG 74A76	4.7	MR-3, MR-14			MR			MR-FROGEYE LEAF SPOT
	UNISOUTH GENETICS USG 7515nRS	5.1	3, MR-14			MR			
	UNISOUTH GENETICS USG 75J32	5.3	MR-3, MR-14			MR		R	MR-FROGEYE LEAF SPOT
	UNISOUTH GENETICS USG 75J47	5.4	3, MR-14		MT	MR		R	R-FROGEYE LEAF SPOT, MS-BROWN STEM ROT
	UNISOUTH GENETICS USG 75M16	5.1	3	1c	T	MS		MR	MR-FROGEYE LEAF SPOT
	UNISOUTH GENETICS USG ALLEN	5.6				MR	R	R	MR-FROGEYE LEAF SPOT
	VIGORO V39N7RR	3.9	3	1c	T	MR		MR	MR-FROGEYE LEAF SPOT
	VIGORO V40N8RS	4.0	3, 14		MT	MR			STS, MR-FROGEYE LEAF SPOT
	VIGORO V42N7RS	4.2	3, 14		MT	MS		R	STS, MS-FROGEYE LEAF SPOT
	VIGORO V48N7RR	4.7	3, 14		MT	MR		MR	STS, R-FROGEYE LEAF SPOT
	VIGORO V49N6RR	4.9	3	1k	MT	MS		R	MR-FROGEYE LEAF SPOT
NS	VISTIVE AG2821V (low linolenic)	2.8	MR-3	1k	MS	MS			
NS	VISTIVE AG2822V (low linolenic)	2.8	MR-3		MS	MS			
NS	VISTIVE AG2921V (low linolenic)	2.9	MR-3	1c	MT	MS			
NS	VISTIVE AG3121V (low linolenic)	3.1	MR-3	1k	MS	MS			
NS	VISTIVE AG3521V (low linolenic)	3.5	MR-3	1c	MS	MS			

~ Variety is not Roundup Ready. All varieties without a tilde (~) prefix are Roundup Ready.

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.

EXP Entries with an EXP prefix are varieties that are still under development or soon to be released.

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

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

C 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. 2007 SUMMARY: VARIETY TEST TABLES 5-7**

TYPE	BRAND — VARIETY	YIELD (BU/AC) <sup>A</sup>			LODGING	% PROTEIN <sup>B</sup>			% OIL <sup>B</sup>		
		2007	06-07	05-07		2007	2007	06-07	05-07	2007	06-07
<b>MATURITY GROUP II-III (RELATIVE MG 2.7-3.9)</b>											
	* EBBERTS 1365RR	43.1	48.6	49.2	1.5	40.0	40.1	39.5	16.5	16.8	17.3
	* ASGROW AG3803	41.7			1.4	36.9			18.0		
	* CROW'S C3916R	41.5			1.3	38.3			17.2		
	* NK BRAND S39-A3	41.4			1.5	35.7			17.7		
	* ASGROW AG3705	41.0	51.0		1.4	35.9	36.0		17.3	18.1	
	* GATEWAY 3RS387	40.8			1.4	36.6			17.1		
	* EBBERTS 1378RR	40.8			1.5	38.8			16.7		
	* DYNA-GRO 35G38	40.7			1.4	38.2			18.8		
	* SOUTHERN STATES RT 3971N	40.6			1.3	37.7			17.0		
	* SEED CONSULTANTS SC9387RR	40.3	48.3		1.4	36.5	37.1		18.3	18.5	
	* MAVRICK 7303RR	40.2			1.3	37.3			19.3		
NS	* VISTIVE AG2822V (low linolenic)	40.0			1.0	37.5			19.7		
EXP	* BECK 399NRR	39.8			1.3	37.7			16.2		
NS	* VISTIVE AG3121V (low linolenic)	39.8			1.3	37.0			17.8		
	* ASGROW AG3906	39.7	49.6	51.4	1.3	36.4	36.7	36.5	18.4	19.0	19.5
	* NK BRAND S37-P5	39.7			1.4	36.2			18.4		
	* ASGROW AG3603	39.5			1.2	38.0			16.9		
	SOUTHERN STATES RT 3860	39.2	48.8		1.3	36.6	36.3		17.9	18.6	
	* SOUTHERN CROSS LUCAS 3.8 N, RR	39.2			1.5	38.1			16.7		
	* PIONEER VARIETY 93M42	39.1	45.9		1.3	38.5	38.4		18.4	18.3	
	* SEED CONSULTANTS SC9355RR	38.9			1.5	39.4			16.7		
	* NK BRAND S38-D5	38.7			1.4	36.7			16.4		
	* HELENA BRAND SEED 3676	38.6	47.0	46.5	1.8	38.6	38.4	37.8	17.4	18.2	18.9
	* VIGORO V39N7RR	38.6			1.2	37.2			17.9		
	* PROGENY 3900	38.6			1.5	37.7			18.8		
NS	* VISTIVE AG3521V (low linolenic)	38.5			1.3	36.0			18.2		
NS	* VISTIVE AG2821V (low linolenic)	38.5			1.4	37.1			18.6		
	* SEED CONSULTANTS SC9388RR	38.3			1.3	37.6			19.0		
	HORNBECK HBK R3927	38.2			1.9	39.6			18.1		
~	EBBERTS 3386	38.1			1.4	37.8			17.5		
NS	IA3024 (low linolenic)	37.8			1.3	34.7			19.3		
	* SOUTHERN STATES RT 3871N	37.8			1.4	37.4			17.8		
	* SOUTHERN CROSS STEPHEN 3.8 N, RR	37.8	48.7	50.5	1.3	38.4	38.1	37.4	18.7	19.3	19.8
	* UNISOUTH GENETICS USG 7393nRR	37.1	46.5	49.1	1.3	37.0	37.6	37.1	18.3	18.9	19.6
	* CROPLAN GENETICS RC 3935 RR	37.0	45.0	45.4	1.5	37.6	37.6	37.3	17.7	18.2	18.9
	* EBBERTS 1357RR	37.0			1.3	36.2			18.6		
	* SEED CONSULTANTS SC9386RR	37.0	47.3		1.8	37.6	38.2		17.7	18.4	
~NS	* SCHILLINGER SEED 387 TCL (low linolenic)	37.0			1.2	37.3			18.9		
~	PIONEER VARIETY 93B82	36.6			1.7	37.6			18.4		
	DAIRYLAND 8396RR/STS	36.5	48.4		1.4	39.5	38.2		16.6	17.8	
	* MAVRICK 5284RR	36.4			1.3	38.8			19.1		
NS	* VISTIVE AG2921V (low linolenic)	36.3			1.1	36.6			19.0		
	* PIONEER VARIETY 93M90	36.2	47.6	49.1	1.3	37.8	37.4	36.8	17.7	18.3	18.6
~	NK BRAND S38T8	36.1			1.3	35.9			16.9		
	* EBBERTS 1386RR	35.2	47.3		1.5	36.9	37.0		17.9	18.6	
	* SOUTHERN STATES RT 3851N	34.7	45.8	47.6	1.4	37.5	36.9	36.6	17.1	17.9	18.7
NS	IA3030RR (low linolenic)	28.6			2.0	36.7			17.4		
~NS	IA3027 (large seed, high protein)	27.0	31.4		1.3	39.7	39.5		18.5	18.7	
NS	IA3033RR (low linolenic)	25.5			1.4	35.0			19.2		
NS	IA3025 (low linolenic)	24.6			1.4	37.1			18.5		
NS	IA3031RR (low linolenic)	24.5			1.3	36.6			18.2		
NS	IA3032RR (low linolenic)	22.8			2.1	35.7			18.8		
	GROUP III AVERAGE	37.2	46.7	48.6	1.4	37.4	37.7	37.4	17.9	18.3	18.9
	LSD (0.10)	3.4	3.1	2.1	0.2						

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**TABLE 4. 2007 SUMMARY: VARIETY TEST TABLES 5-7**

TYPE	BRAND — VARIETY	YIELD (BU/AC) <sup>A</sup>			LODGING	% PROTEIN <sup>B</sup>			% OIL <sup>B</sup>		
		2007	06-07	05-07		2007	06-07	05-07	2007	06-07	05-07
	<b>MATURITY GROUP EARLY IV (RELATIVE MG 4.0-4.5)</b>										
	* STEYER 4040 RR SCN	44.1			2.3	38.1			17.4		
	* PIONEER VARIETY 94M50	43.8	54.1	54.2	1.5	35.5	36.5	36.8	17.5	18.1	18.8
	* PIONEER VARIETY 94M30	43.2	52.7	52.3	1.8	38.6	39.4	38.7	17.1	17.5	18.3
	* SOUTHERN STATES RT 4470N	42.8			1.3	36.8			18.1		
	* CAVERNDALE CF 447 RR/STSn	42.8			1.4	36.4			18.2		
	* DYNA-GRO 35B40	42.5			1.5	38.4			16.5		
	* PROGENY 4206	42.4			1.6	36.7			18.4		
EXP	* NK BRAND XR4472	42.1			1.8	37.0			17.0		
	* STEYER 4430 RR SCN	41.8			1.4	36.7			18.4		
	* DYNA-GRO 38C42	41.5			1.5	37.3			17.8		
	* SEED CONSULTANTS SC9399RR	41.2			1.9	38.0			18.1		
	* CAVERNDALE CF 410 RR/STSn	40.9			1.4	38.1			16.0		
	* BECK 422NRR	40.9	53.1		1.4	36.9	37.0		17.7	18.5	
	* CAVERNDALE CF 422 RR/STSn	40.7	53.3		1.5	38.0	37.0		17.9	18.7	
	* STINE 4392-4	40.6			1.5	36.5			17.5		
	* BECK 444NRR	40.4	51.4	54.1	1.8	36.0	36.0	35.8	16.8	17.8	18.6
	* CROW'S C4142R	40.4			1.8	39.6			16.1		
	* SEED CONSULTANTS SC9456RR	39.9	50.6	52.4	1.7	38.4	37.3	37.0	16.5	17.4	18.2
	* CROPLAN GENETICS RC 4455 RR	39.8	51.4	53.7	2.0	38.2	37.1	36.5	15.4	17.0	18.1
	* GREAT LAKES GL 4519RR	39.8			1.3	38.1			17.0		
	* DYNA-GRO 35D44	39.8			1.8	38.4			17.1		
	* VIGORO V40N8RS	39.7			1.3	37.8			18.4		
	* DAIRYLAND 8450RR	39.4	51.5		1.4	38.1	37.6		18.1	18.1	
	* SOUTHERN CROSS MICHAEL 4.2 N, RR, STS	39.3	50.8	51.6	1.3	37.3	37.3	37.1	17.3	18.2	18.8
	* ASGROW DKB42-51	39.2	52.7		1.3	34.6	35.2		17.3	17.8	
	* TRISOY 4227RR(CN)	39.2			1.3	36.6			17.8		
	* DELTAGROW 4470 RR/STSn	39.0			1.3	36.4			18.1		
	* SOUTHERN STATES RT 4451N	39.0	50.1	54.9	1.7	36.4	36.2	35.9	17.3	17.8	18.6
	PROGENY 4507	38.9			1.7	37.9			17.3		
	* SOUTHERN CROSS CALEB 4.4 N, RR, STS	38.2			1.2	35.9			17.9		
	* SEED CONSULTANTS SC9448RR	38.2			1.1	37.1			18.5		
	* CROW'S C4517R	38.1			1.8	37.4			16.6		
	* DELTAGROW 4150 RR	38.1	52.6		1.4	38.4	37.9		16.7	17.4	
	HELENA BRAND SEED 4178	38.0			1.4	37.3			18.2		
~NS	* GATEWAY 427 (high protein)	38.0			1.8	37.5			17.7		
	* VIGORO V42N7RS	38.0	51.5		1.4	37.7	37.5		18.2	18.7	
	* HELENA BRAND SEED 4576	37.4			1.6	36.9			16.5		
	* ASGROW AG4405	37.4			1.5	37.7			16.2		
	* ASGROW AG4103	37.3	51.2		1.4	36.5	36.4		19.0	18.8	
	* ASGROW AG4404	37.0	51.2	52.9	2.1	36.9	36.8	37.1	16.8	17.7	18.2
	* DELTAGROW 4460 RR	36.6	49.8		1.8	37.7	37.0		16.8	17.7	
	* SOUTHERN STATES RT 4551N	36.4	49.6	53.8	1.3	39.0	38.8	38.4	17.0	17.6	18.0
	* SEED CONSULTANTS SC9415RR	36.4	47.2	49.2	1.2	38.2	38.1	37.0	17.3	18.2	19.1
	* GREAT LAKES GL 4129RR	35.9	51.8		1.5	37.7	37.5		16.7	17.6	
	* NK BRAND S45-E5	35.6			1.7	38.7			16.4		
	* DELTA KING DK4567	35.6			1.5	37.0			18.5		
~	* BROWN SEED MG 4317X	35.4			1.8	37.3			16.0		
	* SCHILLINGER SEED 457 RCP	35.2			2.8	37.3			17.5		
	* PROGENY 4405	35.1			1.5	38.3			16.2		
	* SEED CONSULTANTS SC9442RR	34.8	49.4		1.6	36.6	36.1		18.1	18.7	
	* HELENA BRAND SEED 4375	34.7	50.5	52.8	1.4	38.4	37.2	36.7	17.2	17.9	18.8
	* SOUTHERN STATES RT 4370N	34.7			1.9	36.5			17.7		
	* HORNBECK HBK R3824	33.2			2.1	37.0			17.5		
~NS	* SCHILLINGER SEED 42HP (high protein)	33.1			1.3	41.8			14.2		
	HORNBECK HBK R4527	31.2			2.3	40.0			16.3		
	* SOUTHERN STATES RT 4151N	31.0	45.0	49.0	1.7	40.1	39.1	38.0	16.8	17.8	18.7
	EARLY GROUP IV AVERAGE	38.5	51.0	52.6	1.6	37.6	37.2	37.1	17.3	17.9	18.5
	LSD (0.10)	3.6	2.4	1.8	0.3						

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**TABLE 4. 2007 SUMMARY: VARIETY TEST TABLES 5-7**

TYPE	BRAND — VARIETY	YIELD (BU/AC) <sup>A</sup>			LODGING	% PROTEIN <sup>B</sup>			% OIL <sup>B</sup>		
		2007	06-07	05-07		2007	2007	06-07	05-07	2007	06-07
<b>MATURITY GROUP LATE IV (RELATIVE MG 4.6-4.9)</b>											
EXP	* NK BRAND XR4674	<b>46.8</b>			1.3	37.5			17.7		
	* PIONEER VARIETY 94B73	44.4	51.5	53.4	2.3	37.8	37.7	37.3	18.6	18.4	18.7
EXP	DELTA KING DKXTJ847	44.1			1.6	39.9			17.4		
	* SOUTHERN STATES RT 4777N	43.8	51.2		2.3	37.5	37.2		17.7	18.2	
	* SOUTHERN STATES RT 4808N	43.4	51.7	<b>55.0</b>	1.5	38.4	36.3	36.1	16.1	17.3	18.0
	* HORNBECK HBK R4924	43.1	50.4		1.9	38.5	36.7		16.8	17.7	
	* PROGENY 4606	42.2			1.4	37.6			17.4		
	* CAVERNDAL CF 470 RR/STSn	41.7			1.3	36.5			18.4		
	SOUTHERN CROSS ELI 4.7 N, RR, STS	41.6	<b>52.5</b>		1.4	37.3			18.1		
	* ARMOR 47-F8	41.6			1.4	35.9	35.1		19.6	19.6	
	* VIGORO V49N6RR	41.6	51.0	54.4	1.9	39.1	37.9	37.8	16.9	17.5	17.8
	* DELTAGROW 4770 RR	40.8			2.3	39.4			17.1		
	* HELENA BRAND SEED 4875	40.7	46.9	51.2	2.3	38.4	37.6	36.9	16.2	17.0	17.7
	* STINE 4782-4	40.7	51.9		1.5	37.9	36.1		19.0	19.1	
	* VIGORO V48N7RS	40.6			1.3	35.5			18.4		
	* ASGROW AG4703	40.5	49.6	53.4	1.6	38.5	37.3	37.2	16.6	17.3	18.0
	* DELTA KING DK4763	40.3	47.6	51.6	1.8	38.1	38.0	37.7	18.1	18.3	18.7
	* DELTA KING DK4866	40.3	49.1	52.0	1.8	38.3	37.1	36.4	16.6	17.3	18.1
	PROGENY 4949	40.2			1.6	39.8			16.3		
	* SCHILLINGER SEED 495 RC	40.1	48.0	51.4	1.8	39.7	38.3	38.3	16.8	17.4	17.5
	* UNISOUTH GENETICS USG 74A76	40.0	49.3		2.6	39.2	37.3		16.6	17.7	
	* DYNA-GRO 32R46	39.8			1.3	36.8			18.4		
	* STEYER 4710 RR SCN	39.8			1.8	37.5			18.0		
	* PROGENY 4804	39.8			2.2	37.6			16.9		
	DAIRYLAND 8482RR	39.6			2.0	38.5			17.6		
	ASGROW AG4903	39.5	49.3	53.3	1.8	37.5	36.3	36.4	18.1	18.4	18.9
	* SEED CONSULTANTS SC9468RR	39.4			1.3	35.8			18.8		
	PROGENY 4706	39.3			2.7	38.4			17.3		
	* SOUTHERN CROSS GALILEE 4.7 N, RR	39.0			2.0	37.0			18.6		
	* DELTAGROW 4840 RR	38.3	46.4	50.3	2.2	38.3	37.5	36.8	15.5	17.1	17.9
	* SOUTHERN STATES RT 4996N	38.3	48.1		2.4	38.9	37.7		17.1	18.1	
	DELTAGROW 4975 LARR	38.2			1.8	38.6			16.5		
	HORNBECK HBK R4727	38.2			1.7	36.6			17.4		
	* SCHILLINGER SEED 467 RCP	38.1			1.5	37.6			17.3		
	* GREAT LAKES GL 4709RR	37.9	49.2		1.3	36.4	35.4		18.7	19.1	
	* SOUTHERN STATES RT 4760N	37.9	48.2		2.4	39.5	38.7		16.7	17.5	
	* ASGROW DKB46-51	37.9	47.8	50.9	1.7	39.4	38.6	38.2	17.4	17.7	18.2
	* SOUTHERN CROSS HIRAM 4.9 N, RR	37.9			2.0	36.6			16.4		
	* CROW'S C4815R	37.7	48.2	51.2	1.7	38.3	38.1	37.9	17.5	17.5	18.1
EXP	* JG49	37.7			2.3	39.7			16.9		
	* DELTA KING DK4967	37.6	47.1	51.1	2.1	40.6	39.0	38.2	17.0	17.5	18.3
EXP	* DELTA KING DKXTJ848	37.6			2.4	39.1			17.4		
	* CROPLAN GENETICS RC 4757 RR	37.6			1.3	36.2			18.2		
	DELTA KING DK4968	37.3	47.1		1.9	39.1	37.4		16.1	17.1	
	* PROGENY 4817	37.0			2.3	40.7			15.9		
	DELTA AND PINE LAND DP 4919 RR/S	36.8	46.4		2.4	39.9	39.1		15.7	17.0	
	* TRISOY 4760RR(CN)	36.8			1.4	35.7			19.0		
	* CROPLAN GENETICS RC 4842 RR	36.5	45.8	49.0	1.8	40.6	39.1	38.5	17.4	17.8	18.5
	* DELTAGROW 4780 RR	36.1			1.7	36.6			18.3		
	* DELTA AND PINE LAND DP 4724 RR	36.0	46.9	50.9	1.9	38.4	37.9	38.0	17.8	18.1	18.5
	* SOUTHERN STATES RT 4981N	36.0	45.8	49.8	1.5	38.2	37.0	36.8	17.7	18.1	18.7
	* ASGROW AG4801	35.8	46.5	51.1	1.5	38.0	37.4	37.3	17.0	18.0	18.7
	PROGENY 4906	35.8			1.7	38.6			17.2		
	* CROPLAN GENETICS RC 4955 RR	35.5	45.9	49.7	1.8	37.6	36.4	36.0	16.6	17.7	18.6
	* PROGENY 4807	35.5			2.3	37.1			17.3		
	* ASGROW AG4605	35.4			1.5	37.7			18.2		
	* DELTAGROW 4970 RR	35.3	47.8		1.7	39.8	38.2		16.9	17.4	
	* SEED CONSULTANTS SC9478RR	35.2			1.8	36.7			17.2		
	* UNISOUTH GENETICS USG 7494nRR	34.5	44.9	49.6	1.8	36.9	36.1	36.0	17.5	17.9	18.6
	* DELTA KING DK4667	34.5	45.5	49.4	2.6	38.0	37.4	37.2	16.4	17.4	18.2
	* PIONEER VARIETY 94M80	34.4	45.5	48.8	1.9	40.9	39.1	38.7	16.6	17.4	18.1
~NS	KS4607 (high protein)	34.3			1.7	39.4			16.7		
	* NK BRAND S49-Q9	33.9	47.0	51.5	1.8	38.5			17.1		
	DELTA AND PINE LAND DP 4888 RR/S	33.9			2.2	38.9	37.5	37.4	15.3	16.6	17.3
	* DELTAGROW 4660 RR	33.7			1.6	38.2			17.1		
EXP	TN05-4715RR	33.4			1.6	41.3			15.6		
~P	PENNYRILE (long term check-released 1987)	33.3			1.9	38.9			18.1		
	* DAIRYLAND 8474RR	33.2			1.9	36.7			18.0		
	* PIONEER VARIETY 94M71	32.2			2.3	36.5			17.8		
EXP	TN03-12RR	30.0			1.8	38.1			17.5		
~NS EXP	TN05-5109 (low phytate)	27.9			2.0	38.2			18.1		
	LATE GROUP IV AVERAGE	38.0	48.2	51.3	1.8	38.2	36.9	37.3	17.3	17.5	18.2
	LSD (0.10)	4.0	2.4	1.8	0.3						

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

**TABLE 4. 2007 SUMMARY: VARIETY TEST TABLES 5-7**

TYPE	BRAND — VARIETY	YIELD (BU/AC) <sup>A</sup>			LODGING	% PROTEIN <sup>B</sup>			% OIL <sup>B</sup>		
		2007	06-07	05-07		2007	2007	06-07	05-07	2007	06-07
<b>MATURITY GROUP V</b>											
~	UNISOUTH GENETICS USG 5601T	<b>39.3</b>	<b>50.3</b>	<b>55.7</b>	3.0	39.6	38.8	38.5	16.8	16.8	17.3
~P	TEEJAY	37.5	47.4	52.5	2.2	39.6	37.6	37.2	16.6	17.2	17.8
*	DELTA KING DK52K6	37.3	47.5		2.5	40.3	39.0		16.6	17.1	
*	PROGENY 5307	36.8			2.6	40.8			16.6		
*	UNISOUTH GENETICS USG 75J47	36.5			1.7	38.0			17.4		
	DELTA KING DK5068	36.3			1.4	40.2			16.9		
~	UNISOUTH GENETICS USG 5002T	36.3	48.4	54.7	2.4	38.8	37.4	37.0	17.4	17.9	18.5
*	DELTA AND PINE LAND DP 5414 RR	36.0			2.8	40.3			16.3		
~P	JAKE	36.0	46.0		2.5	37.8	36.7		17.3	17.6	
*	SOUTHERN STATES RT 5160N	35.7	45.6		2.8	38.5	37.0		17.0	17.6	
*	GATEWAY 5R533	35.3			2.8	39.7			16.7		
*	STINE 5482-4	35.0			1.8	38.0			17.6		
*	DELTAGROW 4960 RR	35.0			2.8	39.5			17.3		
*	DELTAGROW 5160 RR/STS	34.7	47.9		2.7	40.7	39.2		17.5	17.8	
*	DELTA KING DK5161	34.5	44.9	49.8	2.4	37.9	36.6	36.2	17.6	18.1	18.6
*	DAIRYLAND 8530RR	34.5			2.8	38.3			16.7		
*	SOUTHERN STATES RT 5540N	33.9	44.2	49.1	2.3	40.0	38.4	37.7	16.9	17.5	18.2
*	DAIRYLAND 8509RR	33.7			2.5	39.0			17.1		
	UNISOUTH GENETICS USG ALLEN	33.3	46.1		2.5	39.4			15.6		
*	DELTAGROW 5300 RR	33.3			2.6	39.1	37.9		17.0	16.9	
*	DELTAGROW 5470 RR/STS	33.3			2.3	39.6			16.7		
	HORNBECK HBK RS5227	33.3			2.5	38.1			17.1		
*	DELTA KING DK5368	33.2	44.5		3.0	38.7	38.5		16.1	17.0	
~P	ESSEX (long term check-released 1974)	32.9			2.8	41.4			16.8		
*	PIONEER VARIETY 95M30	32.8	42.6		2.6	39.6	37.9		16.0	16.4	
~P	ANAND	32.8	46.3	51.1	2.4	39.0	36.9	36.5	17.8	18.2	18.5
*	DELTA KING DK5567	32.7	44.4	51.2	2.6	39.3	37.5	37.1	16.4	16.8	17.5
*	UNISOUTH GENETICS USG 75J32	32.6	45.0	50.5	2.3	40.0	38.3	37.4	15.9	16.9	17.5
	DELTA AND PINE LAND DP 5335 RR/S	32.3			2.3	39.0			17.0		
*	UNISOUTH GENETICS USG 75M16	32.1	43.3		2.7	39.7	37.4		15.5	16.7	
	PROGENY 5207	31.8			1.5	37.1			18.5		
*	SOUTHERN CROSS DAMASCUS 5.0 N, RR, STS	31.6	45.1		2.5	39.8			15.7		
*	CROPLAN GENETICS RC 5007 RR/STS	31.6			2.8	40.4	38.9		17.7	18.1	
*	PROGENY 5115	31.2			1.6	36.8			18.0		
*	DELTAGROW 5270 RR	31.1			1.9	37.4			18.5		
	PROGENY 5407	31.0			2.5	38.6			16.1		
	DELTA KING DK5066	30.4	43.0	49.1	2.6	39.2	38.3	38.2	17.6	18.1	18.4
~NS	K03-3825 (high protein)	30.4	40.6		1.5	40.0	39.0		16.6	17.1	
*	HORNBECK HBK R5226	29.1	41.4		2.9	39.0	38.4		16.5	16.9	
*	UNISOUTH GENETICS USG 7515nRS	29.1	41.8		1.9	39.8	38.8		17.5	17.8	
EXP	DELTA KING DKXTJ851	28.9			2.4	38.3			17.0		
*	DELTA KING DK5366	28.1	40.4	47.7	3.2	37.9	37.1	37.2	16.7	16.9	17.7
	DELTA AND PINE LAND DP 5115 RR/S	27.3	39.8		1.8	39.2	38.1		17.0	17.3	
~NS	KS5007sp (low linolenic)	27.1	36.4	40.4	1.8	38.9	36.5	35.8	17.7	18.3	18.8
*	PROGENY 5107	26.7			2.1	40.4			16.2		
	GROUP V AVERAGE	33.0	44.3	50.2	2.4	39.2	37.9	37.2	16.9	17.3	18.1
	LSD (0.10)	3.3	3.1	2.4	0.4						
	GRAND MEAN	36.9	47.6	50.0	1.8	38.0	37.4	36.6	17.4	17.7	18.0

~ Variety is not Roundup Ready. All varieties without a tilda (~) prefix are Roundup Ready.

\* Resistant to soybean cyst nematode. See Table 3. Company Disease Resistance Specifications for details.

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.

EXP Entries with an EXP prefix are varieties that are still under development or soon to be released.

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 and 2007 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 County. These data were provided by the Iowa State University Grain Quality Analysis Services using near-infrared (NIR) analysis.

RECOMMENDED TABLE

**TABLE 5. 2007 CALDWELL CO. FULL-SEASON VARIETY TEST**

TYPE	BRAND — VARIETY	YIELD (BU/AC) <sup>A</sup>			LOGGING
		2007	06-07	05-07	
<b>MATURITY GROUP II-III (RELATIVE MG 2.7-3.9)</b>					
	* SOUTHERN STATES RT 3971N	30.6			1.0
EXP	* BECK 399NRR	30.4			1.0
NS	* VISTIVE AG3121V (low linolenic)	30.2			1.3
	* ASGROW AG3803	29.1			1.3
	* CROW'S C3916R	28.5			1.0
	* ASGROW AG3906	28.5	43.5	46.2	1.0
	* SEED CONSULTANTS SC9387RR	26.4	36.3		1.0
NS	* VISTIVE AG2822V (low linolenic)	26.4			1.0
	* SOUTHERN STATES RT 3871N	26.4			1.0
	* VIGORO V39N7RR	26.2			1.0
	* NK BRAND S37-P5	26.0			1.0
	* ASGROW AG3705	25.9	38.1		1.3
NS	IA3024 (low linolenic)	25.9			1.0
	* UNISOUTH GENETICS USG 7393nRR	25.8	39.2	43.3	1.0
	* ASGROW AG3603	25.6			1.0
	* GATEWAY 3RS387	25.6			1.0
	* EBBERTS 1357RR	25.6			1.0
	* EBBERTS 1378RR	25.5			1.3
	* NK BRAND S38-D5	25.0			1.0
	* SOUTHERN CROSS LUCAS 3.8 N, RR	25.0			1.5
NS	* VISTIVE AG2821V (low linolenic)	24.9			1.5
~	PIONEER VARIETY 93B82	24.8			1.5
NS	* VISTIVE AG2921V (low linolenic)	24.6			1.3
	* NK BRAND S39-A3	24.5			1.0
	* PIONEER VARIETY 93M90	24.4	42.9	46.0	1.0
	* SEED CONSULTANTS SC9355RR	24.2			1.3
	HORNBECK HBK R3927	24.1			1.3
NS	* VISTIVE AG3521V (low linolenic)	24.0			1.0
	SOUTHERN STATES RT 3860	24.0	40.1		1.0
	* PIONEER VARIETY 93M42	23.9	36.8		1.0
	* MAVRICK 7303RR	23.5			1.0
	* SEED CONSULTANTS SC9388RR	23.5			1.3
	* EBBERTS 1365RR	23.5	36.2	41.3	1.5
	* DYNA-GRO 35G38	23.3			1.5
	* PROGENY 3900	23.1			1.0
~	NK BRAND S38T8	22.7			1.0
~	EBBERTS 3386	22.7			1.3
	* SOUTHERN STATES RT 3851N	22.2	40.3	41.5	1.0
	DAIRYLAND 8396RR/STS	22.2	40.9		1.0
~NS	* SCHILLINGER SEED 387 TCL (low linolenic)	21.7			1.0
	* MAVRICK 5284RR	20.7			1.0
	* SOUTHERN CROSS STEPHEN 3.8 N, RR	20.3	40.7	45.4	1.0
	* HELENA BRAND SEED 3676	20.2	40.0	40.3	1.0
NS	IA3030RR (low linolenic)	20.0			1.5
	* SEED CONSULTANTS SC9386RR	19.7	35.8		1.0
	* EBBERTS 1386RR	19.0	34.8		1.0
	* CROPLAN GENETICS RC 3935 RR	18.1	34.4	39.5	1.0
~NS	IA3027 (large seed, high protein)	16.7	23.3		1.0
NS	IA3033RR (low linolenic)	16.2			1.3
NS	IA3032RR (low linolenic)	11.7			1.8
NS	IA3031RR (low linolenic)	11.5			1.5
NS	IA3025 (low linolenic)	10.7			1.0
	GROUP III AVERAGE	23.4	37.7	42.9	1.1
	LSD (0.10)	3.6	3.9	3.2	0.4

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**TABLE 5. 2007 CALDWELL CO. FULL-SEASON VARIETY TEST**

TYPE	BRAND — VARIETY	YIELD (BU/AC) <sup>A</sup>			LOGGING
		2007	06-07	05-07	2007
<b>MATURITY GROUP EARLY IV (RELATIVE MG 4.0-4.5)</b>					
*	BECK 422NRR	39.3	50.3		1.5
*	SOUTHERN CROSS MICHAEL 4.2 N, RR, STS	39.0	48.4	51.4	1.5
*	PIONEER VARIETY 94M30	38.0	49.0	49.9	2.0
*	STEYER 4040 RR SCN	37.5			2.8
*	PIONEER VARIETY 94M50	37.4	48.3	48.0	1.8
*	CAVERNDALE CF 447 RR/STS <sub>n</sub>	36.9			2.0
*	STEYER 4430 RR SCN	36.2			1.5
*	STINE 4392-4	36.1			2.0
*	CAVERNDALE CF 422 RR/STS <sub>n</sub>	35.9	48.7		1.5
*	BECK 444NRR	35.7	47.1	52.4	2.3
	PROGENY 4507	35.6			2.0
*	DYNA-GRO 38C42	35.0			1.5
*	TRISOY 4227RR(CN)	35.0			1.5
EXP *	NK BRAND XR4472	35.0			2.5
*	CAVERNDALE CF 410 RR/STS <sub>n</sub>	34.8			1.5
*	CROW'S C4142R	34.3			2.0
*	CROPLAN GENETICS RC 4455 RR	33.8	46.0	52.7	1.8
*	ASGROW DKB42-51	33.0	47.2		1.3
~ *	BROWN SEED MG 4317X	33.0			2.3
*	PROGENY 4206	32.8			1.5
*	CROW'S C4517R	31.4			2.0
*	DYNA-GRO 35B40	31.2			1.5
*	SOUTHERN STATES RT 4470N	31.2			1.0
	HELENA BRAND SEED 4178	31.0			1.3
*	DAIRYLAND 8450RR	30.4	44.8		1.3
*	ASGROW AG4404	29.3	46.3	50.2	3.0
*	SEED CONSULTANTS SC9448RR	29.1			1.0
~NS *	GATEWAY 427 (high protein)	29.1			2.0
*	DELTA KING DK4567	28.7			1.8
*	SOUTHERN STATES RT 4451N	28.3	42.5	50.3	1.5
*	HELENA BRAND SEED 4576	28.3			1.3
*	ASGROW AG4103	27.4	42.8		1.5
*	SEED CONSULTANTS SC9456RR	27.0	40.7	45.1	1.8
*	HORNBECK HBK R3824	26.9			2.0
*	SEED CONSULTANTS SC9442RR	26.5	43.6		1.8
*	SEED CONSULTANTS SC9399RR	26.4			1.8
*	ASGROW AG4405	26.3			1.0
*	DELTAGROW 4460 RR	25.6	42.8		1.5
*	DYNA-GRO 35D44	25.4			1.5
*	GREAT LAKES GL 4129RR	25.3	43.2		1.3
*	HELENA BRAND SEED 4375	25.0	42.4	50.7	1.5
*	VIGORO V40N8RS	24.8			1.3
*	SOUTHERN STATES RT 4370N	24.6			1.5
*	DELTAGROW 4150 RR	24.6	42.6		1.0
~NS	SCHILLINGER SEED 42HP (high protein)	24.6			1.3
*	SCHILLINGER SEED 457 RCP	24.4			3.0
*	SEED CONSULTANTS SC9415RR	24.1	39.1	44.9	1.0
*	SOUTHERN STATES RT 4551N	23.4	39.8	44.7	1.0
*	SOUTHERN CROSS CALEB 4.4 N, RR, STS	23.2			1.0
*	VIGORO V42N7RS	23.1	39.6		1.3
*	DELTAGROW 4470 RR/STS	22.1			1.3
*	PROGENY 4405	22.0			1.0
*	NK BRAND S45-E5	21.9			1.0
*	GREAT LAKES GL 4519RR	21.7			1.0
	HORNBECK HBK R4527	21.5			2.5
*	SOUTHERN STATES RT 4151N	21.4	37.8	43.2	1.5
	EARLY GROUP IV AVERAGE	29.5	44.2	48.6	1.6
	LSD (0.10)	7.2	4.8	3.8	0.7

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**TABLE 5. 2007 CALDWELL CO. FULL-SEASON VARIETY TEST**

TYPE	BRAND — VARIETY	YIELD (BU/AC) <sup>A</sup>			LOGGING
		2007	06-07	05-07	2007
	<b>MATURITY GROUP LATE IV (RELATIVE MG 4.6-4.9)</b>				
	* PIONEER VARIETY 94B73	39.3	48.5	51.4	3.3
	* VIGORO V49N6RR	38.8	50.0	54.6	2.0
	ASGROW AG4903	37.0	47.1	52.3	1.8
	* HORNBECK HBK R4924	36.8	48.6		2.3
EXP	DELTA KING DKXTJ847	36.6			1.8
EXP	* NK BRAND XR4674	36.5			1.3
	* DELTA KING DK4763	36.0	41.4	46.6	2.3
	* SOUTHERN STATES RT 4777N	36.0	45.0		3.0
	* DYNA-GRO 32R46	35.4			1.5
	DAIRYLAND 8482RR	34.2			2.5
	* ARMOR 47-F8	34.0			1.5
	DELTA AND PINE LAND DP 4919 RR/S	33.7	42.6		3.0
	* SOUTHERN STATES RT 4808N	33.6	49.0	54.8	1.5
EXP	TN03-12RR	33.6			2.3
	* STINE 4782-4	33.2	44.6		1.5
	* SEED CONSULTANTS SC9468RR	32.8			1.5
	* SOUTHERN STATES RT 4760N	32.5	43.1		2.5
	DELTAGROW 4975 LARR	32.4			1.8
	* CROPLAN GENETICS RC 4757 RR	32.2			1.5
	* CROW'S C4815R	32.0	43.2	48.8	1.8
	* TRISOY 4760RR(CN)	31.9			1.5
EXP	* DELTA KING DKXTJ848	31.7			3.0
	* ASGROW AG4703	31.6	43.2	50.3	1.8
	SOUTHERN CROSS ELI 4.7 N, RR, STS	31.3	46.2		1.5
	* DELTA KING DK4967	31.2	41.0	45.9	2.5
	* CAVERNDAL CF 470 RR/STSn	31.2			1.3
	* HELENA BRAND SEED 4875	31.1	37.6	45.6	2.8
	* DELTAGROW 4770 RR	30.9			2.5
	* STEYER 4710 RR SCN	30.5			2.3
	* CROPLAN GENETICS RC 4842 RR	30.4	39.4	45.3	2.0
	* PROGENY 4606	30.4			1.5
	* GREAT LAKES GL 4709RR	30.1	41.6		1.5
	* SOUTHERN CROSS HIRAM 4.9 N, RR	30.1			2.5
	* PROGENY 4706	29.8			2.3
	DELTA AND PINE LAND DP 4888 RR/S	29.8			2.8
	* DELTA KING DK4866	29.6	42.6	49.3	1.5
	* DELTA AND PINE LAND DP 4724 RR	29.6	39.7	45.0	2.0
~NS	KS4607 (high protein)	29.6			1.5
	DELTA KING DK4968	29.4	43.3		2.0
	* VIGORO V48N7RS	29.4			1.3
	* PROGENY 4804	29.2			2.5
	* ASGROW DKB46-51	29.1	41.7	48.0	1.8
	* SEED CONSULTANTS SC9478RR	28.6			1.8
	* UNISOUTH GENETICS USG 74A76	28.4	39.1		3.0
	* PROGENY 4817	28.4			2.5
	* SCHILLINGER SEED 495 RC	28.2	36.6	43.1	2.0
EXP	TN05-4715RR	28.1			1.8
	HORNBECK HBK R4727	28.1			1.8
	* ASGROW AG4801	27.9	37.8	45.7	1.5
~P	PENNYRILE (long term check-released 1987)	27.8			2.8
	PROGENY 4906	27.8			1.8
	* PIONEER VARIETY 94M80	27.7	41.4	47.7	1.8
	* SCHILLINGER SEED 467 RCP	27.6			1.3
	* NK BRAND S49-Q9	26.3	41.9	46.3	1.8
	* SOUTHERN CROSS GALILEE 4.7 N, RR	26.1			2.5
	* DAIRYLAND 8474RR	25.9			2.3
EXP	* JG49	25.9			2.5
	* SOUTHERN STATES RT 4996N	25.7	36.2		2.8
	* CROPLAN GENETICS RC 4955 RR	25.1	36.5	43.1	1.8
	* DELTAGROW 4970 RR	25.1	43.9		1.5
	* SOUTHERN STATES RT 4981N	25.1	37.7	43.3	1.5
	* ASGROW AG4605	24.9			1.5
	PROGENY 4949	24.8			1.5
	* DELTAGROW 4660 RR	24.5			1.3
	* PIONEER VARIETY 94M71	24.4			2.5
	* PROGENY 4807	24.1			2.8
	* UNISOUTH GENETICS USG 7494nRR	23.3	38.1	42.7	1.8
	* DELTAGROW 4840 RR	23.2	37.1	45.5	2.8
	* DELTA KING DK4667	22.0	38.6	45.5	3.3
	* DELTAGROW 4780 RR	21.7			1.5
~NS EXP	TN05-5109 (low phytate)	21.6			2.3
	LATE GROUP IV AVERAGE	29.7	41.9	47.3	2.0
	LSD (0.10)	6.5	4.7	3.7	0.9



**TABLE 5. 2007 CALDWELL CO. FULL-SEASON VARIETY TEST**

TYPE	BRAND — VARIETY	YIELD (BU/AC) <sup>A</sup>			LOGGING
		2007	06-07	05-07	2007
	<b>MATURITY GROUP V</b>				
	* DELTA KING DK52K6	<b>46.7</b>	50.0		2.8
~	UNISOUTH GENETICS USG 5601T	46.6	<b>55.1</b>	<b>59.7</b>	3.5
	* SOUTHERN STATES RT 5160N	40.7	46.0		3.3
~P	TEEJAY	40.1	47.9	52.3	2.0
	* UNISOUTH GENETICS USG 75J47	<b>39.9</b>			2.0
	* DELTA KING DK5161	39.5	46.5	50.8	2.5
	* SOUTHERN STATES RT 5540N	39.0	45.5	48.9	2.5
	* DELTA AND PINE LAND DP 5414 RR	<b>38.6</b>			3.0
	UNISOUTH GENETICS USG ALLEN	<b>37.8</b>	47.6		3.0
	* DELTAGROW 5300 RR	<b>37.5</b>			2.8
	* UNISOUTH GENETICS USG 75J32	36.5	43.1	47.1	2.5
~	UNISOUTH GENETICS USG 5002T	36.4	47.0	53.2	2.0
	* DELTAGROW 5470 RR/STS	35.9			2.5
	* PIONEER VARIETY 95M30	35.8	43.5		3.5
	* UNISOUTH GENETICS USG 75M16	35.6	42.3		3.0
	* DELTA KING DK5567	35.2	44.5	50.8	2.5
	* DELTAGROW 4960 RR	35.1			3.5
~P	* ANAND	34.3	43.4	50.5	3.0
	* DAIRYLAND 8530RR	34.1			3.0
	HORNBECK HBK R55227	33.6			3.0
~P	JAKE	33.3	42.0		2.3
	* PROGENY 5307	32.7			3.5
	* DELTA KING DK5366	32.6	42.8	48.6	3.8
	* GATEWAY 5R533	32.5			3.0
	* CROPLAN GENETICS RC 5007 RR/STS	32.3			3.5
~P	ESSEX (long term check-released 1974)	31.7			3.5
	* STINE 5482-4	30.9			2.0
	* DELTA KING DK5368	30.6	42.2		3.0
	PROGENY 5407	30.6			2.5
	* HORNBECK HBK R5226	29.7	39.0		3.5
~NS	K55007sp (low linolenic)	29.6	35.3	38.1	1.5
	* DAIRYLAND 8509RR	28.9			3.0
	DELTA AND PINE LAND DP 5335 RR/S	26.7			3.0
EXP	* DELTA KING DKXTJ851	25.8			3.0
	* PROGENY 5107	24.4			2.5
~NS	K03-3825 (high protein)	23.9	32.0		1.5
	* PROGENY 5115	22.6			1.5
	DELTA KING DK5068	22.3			1.0
	PROGENY 5207	21.3			1.5
	* DELTAGROW 5160 RR/STS	21.1	38.3		3.5
	DELTA AND PINE LAND DP 5115 RR/S	18.0	33.0		1.8
	* SOUTHERN CROSS DAMASCUS 5.0 N, RR, STS	17.8	35.5		3.0
	DELTA KING DK5066	17.7	32.2	40.2	3.0
	* DELTAGROW 5270 RR	16.6			1.8
	* UNISOUTH GENETICS USG 7515nRS	15.2	27.9		2.0
	GROUP V AVERAGE	31.3	41.8	49.1	2.7
	LSD (0.10)	9.4	3.5	3.2	1.0
	GRAND MEAN	28.5	41.7	46.4	1.8

~ Variety is not Roundup Ready. All varieties without a tilde (~) prefix are Roundup Ready.

\* Resistant to soybean cyst nematode. See Table 3. Company Disease Resistance Specifications for details.

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.

EXP Entries with an EXP prefix are varieties that are still under development or soon to be released.

<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. 2007 FAYETTE COUNTY (UK) FULL-SEASON VARIETY TEST**

TYPE	BRAND — VARIETY	YIELD (BU/AC) <sup>A</sup>			LODGING	PLANT HEIGHT (INCHES)	MATURITY DATE
		2007	06-07	05-07	2007	2007	2007
	<b>MATURITY GROUP II-III (RELATIVE MG 2.7-3.9)</b>						
	* NK BRAND S39-A3	66.7			2.3	41	9/24
	* SEED CONSULTANTS SC9387RR	66.5	65.3		2.3	41	9/20
	* PROGENY 3900	66.0			2.5	39	9/21
	* EBBERTS 1365RR	65.5	61.6	51.2	2.0	44	9/21
	* DYNA-GRO 35G38	65.2			1.8	40	9/20
	HORNBECK HBK R3927	64.5			3.0	50	9/25
	* GATEWAY 3RS387	64.0			2.3	42	9/19
	SOUTHERN STATES RT 3860	64.0	63.0		1.8	42	9/20
	* ASGROW AG3803	64.0			2.0	44	9/21
	* CROW'S C3916R	63.2			2.0	41	9/22
	* SOUTHERN CROSS STEPHEN 3.8 N, RR	63.1	63.5	53.1	2.0	42	9/22
	* EBBERTS 1378RR	62.4			2.3	43	9/20
	* UNISOUTH GENETICS USG 7393nRR	62.3	63.2	52.2	2.0	42	9/23
	* ASGROW AG3603	62.2			1.5	43	9/17
	* SOUTHERN STATES RT 3971N	62.2			2.0	42	9/24
	* SEED CONSULTANTS SC9388RR	61.4			1.8	39	9/20
	DAIRYLAND 8396RR/STS	61.2	61.0		2.3	40	9/22
	* VIGORO V39N7RR	61.2			1.3	42	9/22
	* MAVRICK 7303RR	61.1			2.0	37	9/14
	* ASGROW AG3906	61.0	60.9	51.8	2.0	38	9/23
	* SOUTHERN STATES RT 3871N	60.9			2.3	43	9/24
~	EBBERTS 3386	60.6			2.0	46	9/18
	* CROPLAN GENETICS RC 3935 RR	60.6	59.0	47.2	2.3	46	9/22
	* NK BRAND S38-D5	60.2			2.3	39	9/19
NS	IA3024 (low linolenic)	60.1			1.8	38	9/10
	* SOUTHERN CROSS LUCAS 3.8 N, RR	60.1			2.0	42	9/18
EXP	* BECK 399NRR	59.9			2.0	42	9/23
	* SEED CONSULTANTS SC9355RR	59.9			2.3	42	9/20
	* HELENA BRAND SEED 3676	59.8	60.9	50.3	2.5	47	9/22
	* NK BRAND S37-P5	59.7			2.3	39	9/18
	* ASGROW AG3705	59.7	60.9		2.0	39	9/22
	* SEED CONSULTANTS SC9386RR	59.4	59.1		2.5	46	9/23
NS	* VISTIVE AG2822V (low linolenic)	59.1			1.0	36	9/11
~NS	* SCHILLINGER SEED 387 TCL (low linolenic)	58.8			1.5	39	9/19
	* PIONEER VARIETY 93M42	57.2	58.5		1.8	41	9/18
NS	* VISTIVE AG3521V (low linolenic)	57.0			1.8	41	9/18
	* EBBERTS 1357RR	56.9			1.8	41	9/19
	* PIONEER VARIETY 93M90	56.7	57.2	48.6	2.0	44	9/21
	* MAVRICK 5284RR	56.1			2.0	37	9/6
~	NK BRAND S38T8	56.0			2.0	44	9/18
~	PIONEER VARIETY 93B82	55.9			2.5	40	9/21
	* EBBERTS 1386RR	54.9	58.9		2.5	47	9/22
NS	* VISTIVE AG2821V (low linolenic)	54.9			1.8	40	9/13
	* SOUTHERN STATES RT 3851N	53.5	56.7	50.9	2.3	44	9/24
NS	* VISTIVE AG3121V (low linolenic)	52.3			1.8	38	9/12
NS	* VISTIVE AG2921V (low linolenic)	52.0			1.0	35	9/8
NS	IA3030RR (low linolenic)	48.1			3.5	41	9/13
~NS	IA3027 (large seed, high protein)	45.0	48.2		1.8	35	9/5
NS	IA3025 (low linolenic)	44.5			2.3	40	9/12
NS	IA3031RR (low linolenic)	40.1			1.5	36	9/5
NS	IA3033RR (low linolenic)	39.2			2.0	38	9/7
NS	IA3032RR (low linolenic)	38.7			3.5	35	9/9
	GROUP III AVERAGE	58.2	59.9	50.7	2.1	41	9/20
	LSD (0.10)	5.6	3.5	2.9	0.4	2.0	

**TABLE 6. 2007 FAYETTE COUNTY (UK) FULL-SEASON VARIETY TEST**

TYPE	BRAND — VARIETY	YIELD (BU/AC) <sup>A</sup>			LODGING	PLANT HEIGHT (INCHES)	MATURITY DATE
		2007	06-07	05-07			
<b>MATURITY GROUP EARLY IV (RELATIVE MG 4.0-4.5)</b>							
	* SOUTHERN STATES RT 4470N	70.1			2.0	39	9/30
	* DYNA-GRO 35B40	68.9			2.0	43	9/30
	* GREAT LAKES GL 4519RR	68.6			1.8	41	10/5
	* DELTAGROW 4470 RR/STS	67.9			1.5	38	9/30
	* STEYER 4040 RR SCN	67.1			3.0	44	9/25
EXP	* NK BRAND XR4472	65.9			2.0	42	9/30
	* STEYER 4430 RR SCN	65.4			1.8	40	9/30
	* PIONEER VARIETY 94M30	65.0	58.5	50.2	2.3	46	10/2
	* PROGENY 4206	64.8			2.3	41	9/25
	* SOUTHERN CROSS CALEB 4.4 N, RR, STS	64.5			1.5	40	9/29
	* PIONEER VARIETY 94M50	64.4	63.0	53.4	1.8	41	10/3
	* DYNA-GRO 35D44	63.9			2.8	45	10/6
	* CAVERNDAL CF 447 RR/STS <sub>n</sub>	63.8			1.3	39	9/28
	* ASGROW DKB42-51	63.7	64.4		1.5	43	9/29
	* SEED CONSULTANTS SC9399RR	63.1			2.5	45	9/25
	* SEED CONSULTANTS SC9456RR	62.8	58.0	49.5	2.3	50	10/2
	* DYNA-GRO 38C42	62.4			2.0	40	10/1
	* DELTAGROW 4150 RR	62.1	61.7		2.3	45	9/30
	* DAIRYLAND 8450RR	62.0	59.6		2.0	41	9/30
	* SOUTHERN STATES RT 4451N	60.9	57.8	51.5	2.3	47	10/1
	* VIGORO V40N8RS	60.7			1.8	40	9/24
	* CAVERNDAL CF 422 RR/STS <sub>n</sub>	60.6	58.4		2.0	40	10/2
	* CROW'S C4142R	60.6			2.3	43	9/30
	* NK BRAND S45-E5	60.6			2.5	47	10/5
	* CAVERNDAL CF 410 RR/STS <sub>n</sub>	60.6			1.8	41	9/24
	* SEED CONSULTANTS SC9448RR	60.6			1.3	37	10/1
	* HELENA BRAND SEED 4576	60.2			2.5	48	10/2
	* ASGROW AG4404	60.1	57.2	48.9	2.3	45	10/2
	* CROPLAN GENETICS RC 4455 RR	59.7	58.4	49.3	3.3	48	10/1
	* STINE 4392-4	59.6			1.5	39	9/26
	* VIGORO V42N7RS	59.6	59.7		2.0	42	10/2
	* ASGROW AG4405	59.5			2.3	42	9/30
	* BECK 444NRR	58.6	58.4	50.4	2.3	45	10/1
	* BECK 422NRR	58.0	58.2		1.8	39	9/30
	* DELTAGROW 4460 RR	57.9	57.2		2.5	49	9/30
	* CROW'S C4517R	57.8			2.5	46	10/2
	PROGENY 4507	57.8			2.0	40	10/1
	* ASGROW AG4103	57.5	57.9		1.8	44	9/24
	* PROGENY 4405	57.5			2.5	50	10/2
	* SCHILLINGER SEED 457 RCP	57.5			3.3	49	10/3
	* GREAT LAKES GL 4129RR	57.3	57.3		2.3	43	9/30
~NS	* GATEWAY 427 (high protein)	57.2			2.3	41	9/25
	* SOUTHERN STATES RT 4551N	57.1	54.7	49.0	2.0	48	10/2
	HELENA BRAND SEED 4178	56.5			2.0	43	9/25
	* SOUTHERN STATES RT 4370N	56.5			2.8	48	9/29
	* TRISOY 4227RR(CN)	56.2			1.3	38	9/26
	* DELTA KING DK4567	56.2			1.8	43	10/12
	* SEED CONSULTANTS SC9415RR	55.5	57.6	48.3	1.5	38	9/24
	* SEED CONSULTANTS SC9442RR	55.4	57.0		2.0	46	9/30
	* SOUTHERN CROSS MICHAEL 4.2 N, RR, STS	55.3	55.4	48.6	1.3	36	10/1
	* HELENA BRAND SEED 4375	54.4	54.1	45.0	1.8	42	10/1
~	* BROWN SEED MG 4317X	51.8			2.3	43	10/1
	* SOUTHERN STATES RT 4151N	51.0	51.8	44.7	2.5	43	10/1
	HORNBECK HBK R4527	49.8			3.0	44	10/4
~NS	* SCHILLINGER SEED 42HP (high protein)	49.3			1.8	41	9/27
	* HORNBECK HBK R3824	49.2			3.0	42	9/29
	EARLY GROUP IV AVERAGE	59.8	58.0	49.0	2.1	43	9/30
	LSD (0.10)	7.2	4.5	3.4	0.4	2.1	

**TABLE 6. 2007 FAYETTE COUNTY (UK) FULL-SEASON VARIETY TEST**

TYPE	BRAND — VARIETY	YIELD (BU/AC) <sup>A</sup>			LODGING 2007	PLANT HEIGHT (INCHES) 2007	MATURITY DATE 2007
		2007	06-07	05-07			
<b>MATURITY GROUP LATE IV (RELATIVE MG 4.6-4.9)</b>							
	* SOUTHERN STATES RT 4808N	70.4	64.1	55.1	2.0	47	10/7
	* PROGENY 4606	69.1			1.8	48	10/4
	* SCHILLINGER SEED 467 RCP	68.6			2.3	46	10/7
	* DELTAGROW 4840 RR	68.3	63.4	57.2	2.8	43	10/3
	* SOUTHERN CROSS ELI 4.7 N, RR, STS	67.8	64.9		1.8	42	10/3
EXP	* NK BRAND XR4674	67.7			1.8	45	10/7
	* CAVERNDALE CF 470 RR/STSn	67.4			1.5	38	10/4
	* PIONEER VARIETY 94B73	67.4	63.1	53.4	2.5	48	10/3
	* DELTA KING DK4866	67.2	63.7	55.5	2.8	46	10/2
	* SOUTHERN STATES RT 4777N	67.2	61.9		2.5	49	9/30
	PROGENY 4949	67.1			2.3	46	10/3
EXP	DELTA KING DKXTJ847	66.4			2.0	46	10/3
	* PROGENY 4804	66.0			2.8	46	9/30
	HORNBECK HBK R4727	65.8			2.3	40	10/2
	* STINE 4782-4	65.7	64.4		2.0	47	10/3
	* SEED CONSULTANTS SC9468RR	65.3			1.3	49	10/6
	* DELTAGROW 4770 RR	65.0			3.0	46	9/30
	* UNISOUTH GENETICS USG 74A76	65.0	63.1		3.0	41	10/2
	* GREAT LAKES GL 4709RR	64.9	62.7		1.5	46	10/2
	* ARMOR 47-F8	64.7			1.8	38	10/2
	* DYNA-GRO 32R46	64.6			1.3	37	10/3
	* HELENA BRAND SEED 4875	64.6	61.9	55.1	3.0	38	10/2
	* STEYER 4710 RR SCN	64.5			2.3	50	10/7
	* SOUTHERN CROSS GALILEE 4.7 N, RR	64.1			2.5	39	10/3
EXP	* JG49	64.1			3.3	53	10/8
	* ASGROW AG4703	63.6	60.4	53.8	2.0	40	10/3
	DAIRYLAND 8482RR	63.1			2.5	45	10/8
	* DELTAGROW 4780 RR	63.1			2.5	45	10/2
	* UNISOUTH GENETICS USG 7494nRR	62.7	60.2	56.4	2.8	39	10/1
	* HORNBECK HBK R4924	62.6	60.2		2.3	46	10/4
	* ASGROW DKB46-51	62.3	60.7	53.6	2.3	47	10/2
	* VIGORO V48N7RS	62.3			1.5	46	10/1
	* ASGROW AG4605	61.7			2.0	39	10/1
	* CROPLAN GENETICS RC 4757 RR	61.7			1.5	37	10/3
	* ASGROW AG4801	61.5	61.6	52.1	2.0	41	10/5
	* DELTA KING DK4967	61.0	57.7	51.4	2.8	46	10/3
	* PROGENY 4817	60.9			3.3	47	10/1
	* SOUTHERN STATES RT 4996N	60.7	61.5		2.8	49	10/8
	* TRISOY 4760RR(CN)	60.5			1.8	42	10/9
	* SCHILLINGER SEED 495 RC	60.1	59.2	53.4	2.5	41	10/2
	* SOUTHERN CROSS HIRAM 4.9 N, RR	60.0			2.5	47	10/4
	* PROGENY 4807	59.9			2.5	39	10/2
	* CROPLAN GENETICS RC 4842 RR	59.8	57.5	50.7	2.5	42	10/1
	DELAGROW 4975 LARR	59.6			2.5	46	10/3
	* DELTA KING DK4667	59.5	57.0	51.5	2.8	46	10/2
~NS	KS4607 (high protein)	59.3			2.5	46	10/8
	* PROGENY 4706	58.9			3.3	38	10/4
EXP	* DELTA KING DKXTJ848	58.6			2.5	49	10/2
	ASGROW AG4903	57.3	59.8	53.8	2.5	44	10/4
	* DELTA AND PINE LAND DP 4724 RR	56.9	56.9	53.2	2.8	40	10/1
	* VIGORO V49N6RR	56.9	60.1	54.1	2.5	37	10/1
	* CROPLAN GENETICS RC 4955 RR	56.3	57.2	52.3	2.5	50	10/8
EXP	TN05-4715RR	56.3			2.0	38	10/8
	DELTA AND PINE LAND DP 4919 RR/S	56.2	57.0		2.8	49	10/2
	* PIONEER VARIETY 94M80	55.7	55.3	50.3	3.0	51	9/30
	* DELTA KING DK4763	55.4	57.3	51.5	2.3	46	10/1
	* SOUTHERN STATES RT 4981N	55.4	56.0	51.3	2.0	48	10/3
	* SOUTHERN STATES RT 4760N	55.3	56.9		3.0	42	10/6
	* SEED CONSULTANTS SC9478RR	55.2			2.5	38	10/3
	* DELTAGROW 4660 RR	55.2			2.5	46	10/2
	* CROW'S C4815R	55.0	59.5	53.2	2.3	46	10/2
	* PIONEER VARIETY 94M71	54.8			3.0	46	10/3
	PROGENY 4906	54.3			2.3	43	10/8
	DELTA KING DK4968	54.1	56.1		2.5	46	10/7
	* DAIRYLAND 8474RR	53.0			2.5	42	10/3
	* DELTAGROW 4970 RR	52.6	56.1		2.5	49	10/8
	DELTA AND PINE LAND DP 4888 RR/S	52.2			2.8	49	10/7
~P	PENNYRILE (long term check-released 1987)	51.8		42.3	2.0	42	10/5
	* NK BRAND S49-Q9	51.0	53.2	49.3	2.5	41	10/1
~NS EXP	TN05-5109 (low phytate)	45.7			2.8	47	10/5
EXP	TN03-12RR	34.5			2.3	40	10/1
	LATE GROUP IV AVERAGE	60.4	59.7	52.6	2.4	44	10/4
	LSD (0.10)	8.4	5.0	3.7	0.3	2.8	

**TABLE 6. 2007 FAYETTE COUNTY (UK) FULL-SEASON VARIETY TEST**

TYPE	BRAND — VARIETY	YIELD (BU/AC) <sup>A</sup>			LODGING	PLANT HEIGHT (INCHES)	MATURITY DATE
		2007	06-07	05-07	2007	2007	2007
<b>MATURITY GROUP V</b>							
*	DELTA GROW 5160 RR/STS	<b>56.1</b>	<b>58.1</b>		2.5	48	10/4
	DELTA KING DK5068	52.5			2.0	40	10/6
*	DELTA GROW 5270 RR	50.9			2.3	40	10/5
*	UNISOUTH GENETICS USG 7515nRS	49.3	52.7		2.0	45	10/3
~	UNISOUTH GENETICS USG 5002T	49.1	<b>54.1</b>	<b>51.9</b>	3.8	36	10/6
	PROGENY 5207	48.8			2.0	47	10/4
*	STINE 5482-4	48.6			2.3	38	10/16
*	PROGENY 5307	47.7			2.5	48	10/4
~NS	K03-3825 (high protein)	46.9	51.3		2.0	41	10/2
*	SOUTHERN CROSS DAMASCUS 5.0 N, RR, STS	46.3	52.9		2.5	46	10/6
~P	TEEJAY	46.3	51.8	<b>48.7</b>	3.3	39	10/13
~P	JAKE	45.9	50.9		3.3	40	10/16
*	UNISOUTH GENETICS USG 75J47	45.5			2.0	38	10/15
*	DAIRYLAND 8509RR	45.4			2.5	46	10/6
	DELTA KING DK5066	45.2	51.1	47.7	2.8	44	10/2
*	GATEWAY 5R533	44.5			3.3	44	10/18
	DELTA AND PINE LAND DP 5335 RR/S	44.4			2.5	48	10/7
*	DELTA KING DK5368	43.9	50.5		4.0	44	10/18
*	DELTA AND PINE LAND DP 5414 RR	42.6			3.0	44	10/14
*	PROGENY 5115	42.5			2.0	47	10/4
~P	ESSEX (long term check-released 1974)	41.7			3.0	36	10/7
~	UNISOUTH GENETICS USG 5601T	41.5	52.0	<b>50.1</b>	4.0	44	10/11
*	DELTA GROW 4960 RR	40.8			3.0	42	10/10
*	SOUTHERN STATES RT 5540N	40.5	46.7	44.7	2.8	46	10/15
*	DELTA KING DK5161	40.0	46.4	45.0	3.3	40	10/9
*	DELTA KING DK52K6	39.9	46.6		3.0	39	10/18
~P	* ANAND	39.5	48.4	46.4	3.0	38	10/8
	HORNBECK HBK RS5227	39.4			2.8	44	10/14
*	DAIRYLAND 8530RR	39.3			3.0	40	10/11
*	SOUTHERN STATES RT 5160N	38.8	46.7		3.0	42	10/8
*	UNISOUTH GENETICS USG 75M16	38.8	47.8		3.0	41	10/10
	DELTA AND PINE LAND DP 5115 RR/S	38.8	46.3		2.5	47	10/3
	PROGENY 5407	38.2			3.3	49	10/11
*	CROPLAN GENETICS RC 5007 RR/STS	38.1			2.8	42	10/12
*	DELTA KING DK5567	37.8	45.6	42.8	3.3	39	10/19
EXP	* DELTA KING DKXTJ851	37.6			2.3	43	10/13
~NS	KS5007sp (low linolenic)	37.4	42.5	40.9	2.3	39	10/8
*	UNISOUTH GENETICS USG 75J32	36.9	47.1	45.4	3.0	42	10/13
	UNISOUTH GENETICS USG ALLEN	36.7	46.7		3.0	44	10/18
*	PROGENY 5107	36.2			2.8	39	10/7
*	DELTA GROW 5300 RR	36.2			3.0	41	10/14
*	PIONEER VARIETY 95M30	35.8	44.5		2.8	46	10/14
*	DELTA GROW 5470 RR/STS	35.2			3.3	46	10/13
*	HORNBECK HBK R5226	33.6	42.8		3.5	42	10/15
*	DELTA KING DK5366	32.0	39.1	40.2	3.5	42	10/18
	GROUP V AVERAGE	42.0	48.4	45.8	2.8	43	10/10
	LSD (0.10)	7.6	4.3	3.2	0.4	2.4	
	GRAND MEAN	56.1	56.5	50.1	2.3	43	

~ Variety is not Roundup Ready. All varieties without a tilde (~) prefix are Roundup Ready.

\* Resistant to soybean cyst nematode. See Table 3. Company Disease Resistance Specifications for details.

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.

EXP Entries with an EXP prefix are varieties that are still under development or soon to be released.

<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. 2007 HANCOCK CO. FULL-SEASON VARIETY TEST<sup>A</sup>**

TYPE	BRAND — VARIETY	YIELD (BU/AC) <sup>B</sup>			LODGING
		2007	06-07	05-07	
<b>MATURITY GROUP II-III (RELATIVE MG 2.7-3.9)</b>					
	* EBBERTS 1365RR	40.2	52.6	58.2	1.0
	* ASGROW AG3705	37.3	53.9		1.0
NS	* VISTIVE AG3121V (low linolenic)	37.0			1.0
	* PIONEER VARIETY 93M42	36.1	44.1		1.0
	* MAVRICK 7303RR	35.9			1.0
	* HELENA BRAND SEED 3676	35.8	44.6	50.9	1.8
NS	* VISTIVE AG2821V (low linolenic)	35.7			1.0
NS	* VISTIVE AG3521V (low linolenic)	34.5			1.0
	* EBBERTS 1378RR	34.5			1.0
NS	* VISTIVE AG2822V (low linolenic)	34.4			1.0
	* DYNA-GRO 35G38	33.6			1.0
	* NK BRAND S37-P5	33.3			1.0
	* NK BRAND S39-A3	33.0			1.3
	* GATEWAY 3RS387	32.8			1.0
	* CROW'S C3916R	32.7			1.0
	* SEED CONSULTANTS SC9355RR	32.5			1.0
	* SOUTHERN CROSS LUCAS 3.8 N, RR	32.5			1.0
	* MAVRICK 5284RR	32.4			1.0
	* CROPLAN GENETICS RC 3935 RR	32.4	45.3	54.5	1.3
NS	* VISTIVE AG2921V (low linolenic)	32.3			1.0
	* ASGROW AG3803	32.1			1.0
	* SEED CONSULTANTS SC9386RR	32.0	47.9		1.8
	* EBBERTS 1386RR	31.6	51.0		1.0
~	EBBERTS 3386	31.1			1.0
	* NK BRAND S38-D5	31.0			1.0
	* ASGROW AG3603	30.8			1.0
~NS	* SCHILLINGER SEED 387 TCL (low linolenic)	30.4			1.0
	* SEED CONSULTANTS SC9388RR	30.1			1.0
	* SOUTHERN CROSS STEPHEN 3.8 N, RR	29.8	44.1	51.7	1.0
	* ASGROW AG3906	29.6	43.8	50.4	1.0
~	NK BRAND S38T8	29.5			1.0
	SOUTHERN STATES RT 3860	29.5	44.9		1.0
EXP	* BECK 399NRR	29.2			1.0
~	PIONEER VARIETY 93B82	29.1			1.0
	* SOUTHERN STATES RT 3971N	29.1			1.0
	* EBBERTS 1357RR	28.6			1.0
	* VIGORO V39N7RR	28.4			1.3
	* SOUTHERN STATES RT 3851N	28.3	46.0	53.1	1.0
	* SEED CONSULTANTS SC9387RR	28.0	41.2		1.0
NS	IA3024 (low linolenic)	27.5			1.0
	* PIONEER VARIETY 93M90	27.4	46.6	54.8	1.0
	* PROGENY 3900	26.6			1.0
	DAIRYLAND 8396RR/STS	26.1	46.2		1.0
	HORNBECK HBK R3927	26.1			1.5
	* SOUTHERN STATES RT 3871N	26.1			1.0
	* UNISOUTH GENETICS USG 7393nRR	23.2	39.1	49.3	1.0
NS	IA3031RR (low linolenic)	21.9			1.0
NS	IA3033RR (low linolenic)	21.1			1.0
~NS	IA3027 (large seed, high protein)	19.3	26.5		1.0
NS	IA3025 (low linolenic)	18.5			1.0
NS	IA3032RR (low linolenic)	18.1			1.0
NS	IA3030RR (low linolenic)	17.8			1.0
	GROUP III AVERAGE	29.9	44.8	52.9	1.1
	LSD (0.10)	3.3	3.9	3.2	0.1

**TABLE 7. 2007 HANCOCK CO. FULL-SEASON VARIETY TEST<sup>A</sup>**

TYPE	BRAND — VARIETY	YIELD (BU/AC) <sup>B</sup>			LOGGING
		2007	06-07	05-07	
	<b>MATURITY GROUP EARLY IV (RELATIVE MG 4.0-4.5)</b>				
*	SEED CONSULTANTS SC9399RR	34.2			1.5
*	VIGORO V40N8RS	33.8			1.0
*	VIGORO V42N7RS	31.4	48.5		1.0
*	DYNA-GRO 35D44	30.0			1.0
*	SEED CONSULTANTS SC9456RR	29.9	46.5	53.1	1.0
*	PROGENY 4206	29.7			1.0
*	PIONEER VARIETY 94M50	29.6	47.4	55.2	1.0
*	SEED CONSULTANTS SC9415RR	29.5	39.4	47.1	1.0
*	GREAT LAKES GL 4519RR	29.1			1.0
*	SOUTHERN STATES RT 4551N	28.7	43.9	55.4	1.0
*	STEYER 4040 RR SCN	27.9			1.0
~NS	* GATEWAY 427 (high protein)	27.9			1.0
*	CAVERNDALE CF 447 RR/STSn	27.9			1.0
*	SOUTHERN STATES RT 4451N	27.8	42.4	52.8	1.3
*	DELTA GROW 4150 RR	27.6	47.4		1.0
*	CAVERNDALE CF 410 RR/STSn	27.5			1.0
*	DYNA-GRO 35B40	27.4			1.0
*	SOUTHERN STATES RT 4470N	27.2			1.0
*	DYNA-GRO 38C42	27.2			1.0
*	DELTA GROW 4470 RR/STS	27.2			1.0
*	BECK 444NRR	27.0	43.2	54.0	1.0
*	ASGROW AG4103	27.0	49.6		1.0
*	SOUTHERN CROSS CALEB 4.4 N, RR, STS	26.9			1.0
*	HELENA BRAND SEED 4178	26.6			1.0
*	PIONEER VARIETY 94M30	26.6	43.7	49.0	1.0
*	CROW'S C4142R	26.4			1.0
*	ASGROW AG4405	26.4			1.3
*	DELTA GROW 4460 RR	26.3	41.5		1.5
*	TRISOY 4227RR(CN)	26.3			1.0
*	STINE 4392-4	26.3			1.0
*	CROPLAN GENETICS RC 4455 RR	26.0	43.8	51.0	1.0
*	DAIRYLAND 8450RR	25.9	40.5		1.0
*	PROGENY 4405	25.7			1.0
*	CAVERNDALE CF 422 RR/STSn	25.6	44.8		1.0
~NS	SCHILLINGER SEED 42HP (high protein)	25.4			1.0
EXP	* NK BRAND XR4472	25.4			1.0
*	BECK 422NRR	25.4	44.0		1.0
*	GREAT LAKES GL 4129RR	25.3	47.6		1.0
*	CROW'S C4517R	25.2			1.0
*	SEED CONSULTANTS SC9448RR	24.9			1.0
*	HELENA BRAND SEED 4375	24.9	46.4	54.9	1.0
*	NK BRAND S45-E5	24.3			1.5
*	STEYER 4430 RR SCN	23.9			1.0
*	HELENA BRAND SEED 4576	23.9			1.0
*	SCHILLINGER SEED 457 RCP	23.7			2.0
*	SOUTHERN CROSS MICHAEL 4.2 N, RR, STS	23.7	41.3	46.5	1.0
*	HORNBECK HBK R3824	23.4			1.3
*	PROGENY 4507	23.2			1.0
*	SOUTHERN STATES RT 4370N	23.2			1.5
*	SEED CONSULTANTS SC9442RR	22.7	38.1		1.0
	HORNBECK HBK R4527	22.4			1.5
*	DELTA KING DK4567	21.9			1.0
*	ASGROW AG4404	21.6	40.8	50.3	1.0
~	* BROWN SEED MG 4317X	21.3			1.0
*	ASGROW DKB42-51	21.0	42.9		1.0
*	SOUTHERN STATES RT 4151N	20.8	35.9	46.2	1.0
	EARLY GROUP IV AVERAGE	26.2	43.6	51.3	1.1
	LSD (0.10)	3.8	3.7	3.3	0.2

*continued on next page*

**TABLE 7. 2007 HANCOCK CO. FULL-SEASON VARIETY TEST<sup>A</sup>**

TYPE	BRAND — VARIETY	YIELD (BU/AC) <sup>B</sup>			LODGING
		2007	06-07	05-07	2007
<b>MATURITY GROUP LATE IV (RELATIVE MG 4.6-4.9)</b>					
EXP	* NK BRAND XR4674	<b>36.3</b>			1.0
	* SCHILLINGER SEED 495 RC	32.1	45.8	53.8	1.0
	* VIGORO V48N7RS	30.2			1.0
	* HORNBECK HBK R4924	30.0	43.8		1.3
	* DELTA KING DK4763	29.6	46.9	56.3	1.0
EXP	DELTA KING DKXTJ847	29.4			1.0
	* PROGENY 4706	29.2			2.5
	* VIGORO V49N6RR	29.0	45.3	52.9	1.3
	PROGENY 4949	28.8			1.0
	* SOUTHERN STATES RT 4996N	28.4	46.2		1.8
	DELTA KING DK4968	28.3	46.1		1.3
	* SOUTHERN STATES RT 4777N	28.2	48.8		1.3
	* DELTAGROW 4970 RR	28.2	44.6		1.0
	* SOUTHERN STATES RT 4981N	27.7	42.7	48.5	1.0
	* PROGENY 4606	27.1			1.0
	* UNISOUTH GENETICS USG 74A76	26.8	46.4		1.8
	* SOUTHERN CROSS GALILEE 4.7 N, RR	26.8			1.0
	* PIONEER VARIETY 94B73	26.7	46.7	53.7	1.0
	* HELENA BRAND SEED 4875	26.4	39.6	50.5	1.0
	* ASGROW AG4703	26.4	47.4	55.5	1.0
	* DELTAGROW 4770 RR	26.4			1.5
	* CAVERNDALE CF 470 RR/STS <sub>n</sub>	26.4			1.0
	* CROW'S C4815R	26.2	46.1	52.4	1.0
	* SOUTHERN STATES RT 4808N	26.2	44.2	50.8	1.0
	* ARMOR 47-F8	26.1			1.0
	* SOUTHERN STATES RT 4760N	25.9	44.0		1.8
	SOUTHERN CROSS ELI 4.7 N, RR, STS	25.7	47.5		1.0
	PROGENY 4906	25.3			1.0
	* CROPLAN GENETICS RC 4955 RR	25.0	44.6	51.0	1.0
	* STEYER 4710 RR SCN	24.5			1.0
	* NK BRAND S49-Q9	24.3	42.2	52.3	1.0
	ASGROW AG4903	24.3	43.2	52.7	1.0
	* DELTA KING DK4866	24.2	42.0	48.0	1.0
	* PROGENY 4804	24.1			1.3
	* DELTAGROW 4780 RR	23.7			1.0
	* SOUTHERN CROSS HIRAM 4.9 N, RR	23.6			1.0
	* DELTAGROW 4840 RR	23.4	38.9	48.3	1.0
EXP	* JG49	23.2			1.3
	* STINE 4782-4	23.2	43.0		1.0
	DELTAGROW 4975 LARR	22.6			1.0
EXP	* DELTA KING DKXTJ848	22.6			1.8
	* PROGENY 4807	22.5			1.5
	* ASGROW DKB46-51	22.3	43.5	50.6	1.0
EXP	TN03-12RR	22.0			1.0
	* DELTA KING DK4667	21.9	39.5	48.3	1.8
	* PROGENY 4817	21.9			1.0
	* SEED CONSULTANTS SC9478RR	21.9			1.0
	* DELTA AND PINE LAND DP 4724 RR	21.7	44.8	52.5	1.0
	DAIRYLAND 8482RR	21.5			1.0
	* DELTAGROW 4660 RR	21.4			1.0
	* DELTA KING DK4967	20.7	45.0	51.8	1.0
	* DAIRYLAND 8474RR	20.7			1.0
	DELTA AND PINE LAND DP 4919 RR/S	20.7	40.8		1.5
	HORNBECK HBK R4727	20.7			1.0
~P	PENNYRILE (long term check-released 1987)	20.3			1.0
	* PIONEER VARIETY 94M80	20.0	37.4	45.0	1.0
	* SEED CONSULTANTS SC9468RR	20.0			1.0
	* ASGROW AG4605	19.8			1.0
	DELTA AND PINE LAND DP 4888 RR/S	19.6			1.0
	* DYNA-GRO 32R46	19.6			1.0
	* CROPLAN GENETICS RC 4842 RR	19.4	39.9	48.5	1.0
	* GREAT LAKES GL 4709RR	18.9	44.9		1.0
	* CROPLAN GENETICS RC 4757 RR	18.8			1.0
	* ASGROW AG4801	18.1	40.4	50.2	1.0
	* SCHILLINGER SEED 467 RCP	18.1			1.0
	* TRISOY 4760RR(CN)	18.1			1.0
	* UNISOUTH GENETICS USG 7494nRR	17.4	37.0	48.2	1.0
	* PIONEER VARIETY 94M71	17.4			1.3
~NS EXP	TN05-5109 (low phytate)	16.6			1.0
EXP	TN05-4715RR	15.9			1.0
~NS	KS4607 (high protein)	14.0			1.0
	LATE GROUP IV AVERAGE	23.7	43.6	51.0	1.1
	LSD (0.10)	6.2	4.3	3.6	0.3



**TABLE 7. 2007 HANCOCK CO. FULL-SEASON VARIETY TEST<sup>A</sup>**

TYPE	BRAND — VARIETY	YIELD (BU/AC) <sup>B</sup>			LODGING
		2007	06-07	05-07	2007
	<b>MATURITY GROUP V</b>				
	DELTA KING DK5068	<b>34.2</b>			1.3
*	SOUTHERN CROSS DAMASCUS 5.0 N, RR, STS	30.7	<b>47.7</b>		2.0
*	PROGENY 5307	30.1			1.8
*	DAIRYLAND 8530RR	30.1			2.3
~	UNISOUTH GENETICS USG 5601T	29.8	42.0	<b>52.7</b>	1.5
*	DELTAGROW 4960 RR	29.0			1.8
~P	JAKE	28.8	<b>43.7</b>		2.0
*	GATEWAY 5R533	28.8			2.3
*	DELTAGROW 5470 RR/STS	28.7			1.3
*	PROGENY 5115	28.7			1.3
	DELTA KING DK5066	28.4	43.3	<b>53.4</b>	2.0
*	SOUTHERN STATES RT 5160N	27.8	<b>45.2</b>		2.0
*	DELTA AND PINE LAND DP 5414 RR	27.0			2.3
*	DELTAGROW 5160 RR/STS	26.9	<b>43.9</b>		2.0
*	DAIRYLAND 8509RR	26.9			2.0
	HORNBECK HBK RS5227	26.9			1.8
*	PIONEER VARIETY 95M30	26.8	37.3		1.5
*	DELTAGROW 5300 RR	26.3			2.0
~P	TEEJAY	26.1	39.3	<b>52.3</b>	1.3
*	DELTAGROW 5270 RR	25.9			1.8
	DELTA AND PINE LAND DP 5335 RR/S	25.9			1.3
*	STINE 5482-4	25.6			1.0
~P	ESSEX (long term check-released 1974)	25.5		44.7	2.0
	UNISOUTH GENETICS USG ALLEN	25.5	42.2		1.5
*	DELTA KING DK52K6	25.2	41.9		1.8
	DELTA AND PINE LAND DP 5115 RR/S	25.2	37.2		1.3
	PROGENY 5207	25.2			1.0
*	DELTA KING DK5567	25.1	41.6	<b>53.0</b>	2.0
*	DELTA KING DK5368	25.1	40.0		2.0
~P	* ANAND	24.6	41.8	49.3	1.3
	* UNISOUTH GENETICS USG 75J32	24.4	42.5	<b>51.6</b>	1.5
	* CROPLAN GENETICS RC 5007 RR/STS	24.4			2.0
	PROGENY 5407	24.4			1.8
*	HORNBECK HBK R5226	24.2	40.8		1.8
*	UNISOUTH GENETICS USG 75J47	24.1			1.0
*	DELTA KING DK5161	24.0	42.5	47.9	1.5
~	UNISOUTH GENETICS USG 5002T	23.6	40.8	<b>53.2</b>	1.5
EXP	* DELTA KING DKXTJ851	23.2			2.0
	* UNISOUTH GENETICS USG 7515nRS	22.9	41.1		1.8
*	SOUTHERN STATES RT 5540N	22.2	38.6	46.0	1.5
*	UNISOUTH GENETICS USG 75M16	21.8	39.9		2.0
~NS	K03-3825 (high protein)	20.5	35.9		1.0
*	DELTA KING DK5366	19.8	36.4	45.8	2.3
*	PROGENY 5107	19.6			1.0
~NS	KS5007sp (low linolenic)	14.5	28.2	34.4	1.5
	GROUP V AVERAGE	25.6	40.6	48.7	1.7
	LSD (0.10)	5.3	4.3	3.7	0.4
	GRAND MEAN	26.2	43.0	50.8	1.2

~ Variety is not Roundup Ready. All varieties without a tilde (~) prefix are Roundup Ready.

\* Resistant to soybean cyst nematode. See Table 3. Company Disease Resistance Specifications for details.

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.

EXP Entries with an EXP prefix are varieties that are still under development or soon to be released.

<sup>A</sup> 2007 and 2006 data are from Hancock County, and the 2005 data are from Henderson 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-553 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 2008 Soybean Performance Tests.

Questions or comments?

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TABLE 4. 2007 SUMMARY: VARIETY TEST TABLES 5-7

SORTED BY 2007 YIELD

TYPE	BRAND -- VARIETY	YIELD (BU/AC) <sup>A</sup>			LODGING	% PROTEIN <sup>B</sup>			% OIL <sup>B</sup>			
		2007	06-07	05-07		2007	06-07	05-07	2007	06-07	05-07	
sort	sort	sort	sort	sort	sort	sort	sort	sort	sort	sort	sort	
MATURITY GROUP II-III (RELATIVE MG 2.7-3.9)												
	* EBBERTS 1365RR	43.1	48.6	49.2	1.5	40.0	40.1	39.5	16.5	16.8	17.3	
	* ASGROW AG3803	41.7			1.4	36.9			18.0			
	* CROW'S C3916R	41.5			1.3	38.3			17.2			
	* NK BRAND S39-A3	41.4			1.5	35.7			17.7			
	* ASGROW AG3705	41.0	51.0		1.4	35.9	36.0		17.3	18.1		
	* GATEWAY 3RS387	40.8			1.4	36.6			17.1			
	* EBBERTS 1378RR	40.8			1.5	38.8			16.7			
	* DYNA-GRO 35G38	40.7			1.4	38.2			18.8			
	* SOUTHERN STATES RT 3971N	40.6			1.3	37.7			17.0			
	* SEED CONSULTANTS SC9387RR	40.3	48.3		1.4	36.5	37.1		18.3	18.5		
	* MAVRICK 7303RR	40.2			1.3	37.3			19.3			
NS	* VISTIVE AG2822V (low linolenic)	40.0			1.0	37.5			19.7			
EXP	* BECK 399NRR	39.8			1.3	37.7			16.2			
NS	* VISTIVE AG3121V (low linolenic)	39.8			1.3	37.0			17.8			
	* ASGROW AG3906	39.7	49.6	51.4	1.3	36.4	36.7	36.5	18.4	19.0	19.5	
	* NK BRAND S37-P5	39.7			1.4	36.2			18.4			
	* ASGROW AG3603	39.5			1.2	38.0			16.9			
	SOUTHERN STATES RT 3860	39.2	48.8		1.3	36.6	36.3		17.9	18.6		
	* SOUTHERN CROSS LUCAS 3.8 N, RR	39.2			1.5	38.1			16.7			
	* PIONEER VARIETY 93M42	39.1	45.9		1.3	38.5	38.4		18.4	18.3		
	* SEED CONSULTANTS SC9355RR	38.9			1.5	39.4			16.7			
	* NK BRAND S38-D5	38.7			1.4	36.7			16.4			
	* HELENA BRAND SEED 3676	38.6	47.0	46.5	1.8	38.6	38.4	37.8	17.4	18.2	18.9	
	* VIGORO V39N7RR	38.6			1.2	37.2			17.9			
	* PROGENY 3900	38.6			1.5	37.7			18.8			
NS	* VISTIVE AG3521V (low linolenic)	38.5			1.3	36.0			18.2			
NS	* VISTIVE AG2821V (low linolenic)	38.5			1.4	37.1			18.6			
	* SEED CONSULTANTS SC9388RR	38.3			1.3	37.6			19.0			
	HORNBECK HBK R3927	38.2			1.9	39.6			18.1			
~	EBBERTS 3386	38.1			1.4	37.8			17.5			
NS	IA3024 (low linolenic)	37.8			1.3	34.7			19.3			
	* SOUTHERN STATES RT 3871N	37.8			1.4	37.4			17.8			
	* SOUTHERN CROSS STEPHEN 3.8 N, RR	37.8	48.7	50.5	1.3	38.4	38.1	37.4	18.7	19.3	19.8	
	* UNISOUTH GENETICS USG 7393nRR	37.1	46.5	49.1	1.3	37.0	37.6	37.1	18.3	18.9	19.6	
	* CROPLAN GENETICS RC 3935 RR	37.0	45.0	45.4	1.5	37.6	37.6	37.3	17.7	18.2	18.9	
	* EBBERTS 1357RR	37.0			1.3	36.2			18.6			
	* SEED CONSULTANTS SC9386RR	37.0	47.3		1.8	37.6	38.2		17.7	18.4		
~NS	* SCHILLINGER SEED 387 TCL (low linolenic)	37.0			1.2	37.3			18.9			
~	PIONEER VARIETY 93B82	36.6			1.7	37.6			18.4			
	DAIRYLAND 8396RR/STS	36.5	48.4		1.4	39.5	38.2		16.6	17.8		
	* MAVRICK 5284RR	36.4			1.3	38.8			19.1			
NS	* VISTIVE AG2921V (low linolenic)	36.3			1.1	36.6			19.0			
	* PIONEER VARIETY 93M90	36.2	47.6	49.1	1.3	37.8	37.4	36.8	17.7	18.3	18.6	
~	NK BRAND S38T8	36.1			1.3	35.9			16.9			
	* EBBERTS 1386RR	35.2	47.3		1.5	36.9	37.0		17.9	18.6		
	* SOUTHERN STATES RT 3851N	34.7	45.8	47.6	1.4	37.5	36.9	36.6	17.1	17.9	18.7	
NS	IA3030RR (low linolenic)	28.6			2.0	36.7			17.4			
~NS	IA3027 (large seed, high protein)	27.0	31.4		1.3	39.7	39.5		18.5	18.7		
NS	IA3033RR (low linolenic)	25.5			1.4	35.0			19.2			
NS	IA3025 (low linolenic)	24.6			1.4	37.1			18.5			
NS	IA3031RR (low linolenic)	24.5			1.3	36.6			18.2			
NS	IA3032RR (low linolenic)	22.8			2.1	35.7			18.8			
	GROUP III AVERAGE	37.2	46.7	48.6	1.4	37.4	37.7	37.4	17.9	18.3	18.9	
	LSD (0.10)	3.4	3.1	2.1	0.2							

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

	* STEYER 4040 RR SCN	44.1			2.3	38.1				17.4
	* PIONEER VARIETY 94M50	43.8	54.1	54.2	1.5	35.5	36.5	36.8	17.5	18.1 18.8
	* PIONEER VARIETY 94M30	43.2	52.7	52.3	1.8	38.6	39.4	38.7	17.1	17.5 18.3
	* CAVERNDALE CF 447 RR/STSn	42.8			1.4	36.8				18.1
	* SOUTHERN STATES RT 4470N	42.8			1.3	36.4				18.2
	* DYNA-GRO 35B40	42.5			1.5	38.4				16.5
	* PROGENY 4206	42.4			1.6	36.7				18.4
EXP	* NK BRAND XR4472	42.1			1.8	37.0				17.0
	* STEYER 4430 RR SCN	41.8			1.4	36.7				18.4
	* DYNA-GRO 38C42	41.5			1.5	37.3				17.8
	* SEED CONSULTANTS SC9399RR	41.2			1.9	38.0				18.1
	* CAVERNDALE CF 410 RR/STSn	40.9			1.4	38.1				16.0
	* BECK 422NRR	40.9	53.1		1.4	36.9	37.0		17.7	18.5
	* CAVERNDALE CF 422 RR/STSn	40.7	53.3		1.5	38.0	37.0		17.9	18.7
	* STINE 4392-4	40.6			1.5	36.5				17.5
	* BECK 444NRR	40.4	51.4	54.1	1.8	36.0	36.0	35.8	16.8	17.8 18.6
	* CROW'S C4142R	40.4			1.8	39.6				16.1
	* SEED CONSULTANTS SC9456RR	39.9	50.6	52.4	1.7	38.4	37.3	37.0	16.5	17.4 18.2
	* CROPLAN GENETICS RC 4455 RR	39.8	51.4	53.7	2.0	38.2	37.1	36.5	15.4	17.0 18.1
	* GREAT LAKES GL 4519RR	39.8			1.3	38.1				17.0
	* DYNA-GRO 35D44	39.8			1.8	38.4				17.1
	* VIGORO V40N8RS	39.7			1.3	37.8				18.4
	* DAIRYLAND 8450RR	39.4	51.5		1.4	38.1	37.6		18.1	18.1
	* SOUTHERN CROSS MICHAEL 4.2 N, RR, STS	39.3	50.8	51.6	1.3	37.3	37.3	37.1	17.3	18.2 18.8
	* ASGROW DKB42-51	39.2	52.7		1.3	34.6	35.2		17.3	17.8
	* TRISOY 4227RR(CN)	39.2			1.3	36.6				17.8
	* DELTAGROW 4470 RR/STS	39.0			1.3	36.4				18.1
	* SOUTHERN STATES RT 4451N	39.0	50.1	54.9	1.7	36.4	36.2	35.9	17.3	17.8 18.6
	PROGENY 4507	38.9			1.7	37.9				17.3
	* SOUTHERN CROSS CALEB 4.4 N, RR, STS	38.2			1.2	35.9				17.9
	* SEED CONSULTANTS SC9448RR	38.2			1.1	37.1				18.5
	* CROW'S C4517R	38.1			1.8	37.4				16.6
	* DELTAGROW 4150 RR	38.1	52.6		1.4	38.4	37.9		16.7	17.4
~NS	* GATEWAY 427 (high protein)	38.0			1.8	37.3				18.2
	HELENA BRAND SEED 4178	38.0			1.4	37.5				17.7
	* VIGORO V42N7RS	38.0	51.5		1.4	37.7	37.5		18.2	18.7
	* HELENA BRAND SEED 4576	37.4			1.6	36.9				16.5
	* ASGROW AG4405	37.4			1.5	37.7				16.2
	* ASGROW AG4103	37.3	51.2		1.4	36.5	36.4		19.0	18.8
	* ASGROW AG4404	37.0	51.2	52.9	2.1	36.9	36.8	37.1	16.8	17.7 18.2
	* DELTAGROW 4460 RR	36.6	49.8		1.8	37.7	37.0		16.8	17.7
	* SOUTHERN STATES RT 4551N	36.4	49.6	53.8	1.3	39.0	38.8	38.4	17.0	17.6 18.0
	* SEED CONSULTANTS SC9415RR	36.4	47.2	49.2	1.2	38.2	38.1	37.0	17.3	18.2 19.1
	* GREAT LAKES GL 4129RR	35.9	51.8		1.5	37.7	37.5		16.7	17.6
	* NK BRAND S45-E5	35.6			1.7	38.7				16.4
	* DELTA KING DK4567	35.6			1.5	37.0				18.5
~	* BROWN SEED MG 4317X	35.4			1.8	37.3				16.0
	* SCHILLINGER SEED 457 RCP	35.2			2.8	37.3				17.5
	* PROGENY 4405	35.1			1.5	38.3				16.2
	* SEED CONSULTANTS SC9442RR	34.8	49.4		1.6	36.6	36.1		18.1	18.7
	* HELENA BRAND SEED 4375	34.7	50.5	52.8	1.4	38.4	37.2	36.7	17.2	17.9 18.8
	* SOUTHERN STATES RT 4370N	34.7			1.9	36.5				17.7
	* HORNBECK HBK R3824	33.2			2.1	37.0				17.5
~NS	SCHILLINGER SEED 42HP (high protein)	33.1			1.3	41.8				14.2
	HORNBECK HBK R4527	31.2			2.3	40.0				16.3
	* SOUTHERN STATES RT 4151N	31.0	45.0	49.0	1.7	40.1	39.1	38.0	16.8	17.8 18.7
	EARLY GROUP IV AVERAGE	38.5	51.0	52.6	1.6	37.6	37.2	37.1	17.3	17.9 18.5
	LSD (0.10)	3.6	2.4	1.8	0.3					

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

EXP	* NK BRAND XR4674	46.8			1.3	37.5			17.7		
	* PIONEER VARIETY 94B73	44.4	51.5	53.4	2.3	37.8	37.7	37.3	18.6	18.4	18.7
EXP	DELTA KING DKXTJ847	44.1			1.6	39.9			17.4		
	* SOUTHERN STATES RT 4777N	43.8	51.2		2.3	37.5	37.2		17.7	18.2	
	* SOUTHERN STATES RT 4808N	43.4	51.7	55.0	1.5	38.4	36.3	36.1	16.1	17.3	18.0
	* HORNBECK HBK R4924	43.1	50.4		1.9	38.5	36.7		16.8	17.7	
	* PROGENY 4606	42.2			1.4	37.6			17.4		
	* CAVERNDALE CF 470 RR/STSn	41.7			1.3	36.5			18.4		
	* ARMOR 47-F8	41.6			1.4	37.3			18.1		
	SOUTHERN CROSS ELI 4.7 N, RR, STS	41.6	52.5		1.4	35.9	35.1		19.6	19.6	
	* VIGORO V49N6RR	41.6	51.0	54.4	1.9	39.1	37.9	37.8	16.9	17.5	17.8
	* DELTAGROW 4770 RR	40.8			2.3	39.4			17.1		
	* HELENA BRAND SEED 4875	40.7	46.9	51.2	2.3	38.4	37.6	36.9	16.2	17.0	17.7
	* STINE 4782-4	40.7	51.9		1.5	37.9	36.1		19.0	19.1	
	* VIGORO V48N7RS	40.6			1.3	35.5			18.4		
	* ASGROW AG4703	40.5	49.6	53.4	1.6	38.5	37.3	37.2	16.6	17.3	18.0
	* DELTA KING DK4763	40.3	47.6	51.6	1.8	38.1	38.0	37.7	18.1	18.3	18.7
	* DELTA KING DK4866	40.3	49.1	52.0	1.8	38.3	37.1	36.4	16.6	17.3	18.1
	PROGENY 4949	40.2			1.6	39.8			16.3		
	* SCHILLINGER SEED 495 RC	40.1	48.0	51.4	1.8	39.7	38.3	38.3	16.8	17.4	17.5
	* UNISOUTH GENETICS USG 74A76	40.0	49.3		2.6	39.2	37.3		16.6	17.7	
	* DYNA-GRO 32R46	39.8			1.3	36.8			18.4		
	* STEYER 4710 RR SCN	39.8			1.8	37.5			18.0		
	* PROGENY 4804	39.8			2.2	37.6			16.9		
	DAIRYLAND 8482RR	39.6			2.0	38.5			17.6		
	ASGROW AG4903	39.5	49.3	53.3	1.8	37.5	36.3	36.4	18.1	18.4	18.9
	* SEED CONSULTANTS SC9468RR	39.4			1.3	35.8			18.8		
	* PROGENY 4706	39.3			2.7	38.4			17.3		
	* SOUTHERN CROSS GALILEE 4.7 N, RR	39.0			2.0	37.0			18.6		
	* DELTAGROW 4840 RR	38.3	46.4	50.3	2.2	38.3	37.5	36.8	15.5	17.1	17.9
	* SOUTHERN STATES RT 4996N	38.3	48.1		2.4	38.9	37.7		17.1	18.1	
	DELTAGROW 4975 LARR	38.2			1.8	38.6			16.5		
	HORNBECK HBK R4727	38.2			1.7	36.6			17.4		
	* SCHILLINGER SEED 467 RCP	38.1			1.5	37.6			17.3		
	* GREAT LAKES GL 4709RR	37.9	49.2		1.3	36.4	35.4		18.7	19.1	
	* SOUTHERN STATES RT 4760N	37.9	48.2		2.4	39.5	38.7		16.7	17.5	
	* ASGROW DKB46-51	37.9	47.8	50.9	1.7	39.4	38.6	38.2	17.4	17.7	18.2
	* SOUTHERN CROSS HIRAM 4.9 N, RR	37.9			2.0	36.6			16.4		
	* CROW'S C4815R	37.7	48.2	51.2	1.7	38.3	38.1	37.9	17.5	17.5	18.1
EXP	* JG49	37.7			2.3	39.7			16.9		
	* DELTA KING DK4967	37.6	47.1	51.1	2.1	40.6	39.0	38.2	17.0	17.5	18.3
EXP	* DELTA KING DKXTJ848	37.6			2.4	39.1			17.4		
	* CROPLAN GENETICS RC 4757 RR	37.6			1.3	36.2			18.2		
	DELTA KING DK4968	37.3	47.1		1.9	39.1	37.4		16.1	17.1	
	* PROGENY 4817	37.0			2.3	40.7			15.9		
	DELTA AND PINE LAND DP 4919 RR/S	36.8	46.4		2.4	39.9	39.1		15.7	17.0	
	* TRISOY 4760RR(CN)	36.8			1.4	35.7			19.0		
	* CROPLAN GENETICS RC 4842 RR	36.5	45.8	49.0	1.8	40.6	39.1	38.5	17.4	17.8	18.5
	* DELTAGROW 4780 RR	36.1			1.7	36.6			18.3		
	* DELTA AND PINE LAND DP 4724 RR	36.0	46.9	50.9	1.9	38.4	37.9	38.0	17.8	18.1	18.5
	* SOUTHERN STATES RT 4981N	36.0	45.8	49.8	1.5	38.2	37.0	36.8	17.7	18.1	18.7
	* ASGROW AG4801	35.8	46.5	51.1	1.5	38.0	37.4	37.3	17.0	18.0	18.7
	PROGENY 4906	35.8			1.7	38.6			17.2		
	* CROPLAN GENETICS RC 4955 RR	35.5	45.9	49.7	1.8	37.6	36.4	36.0	16.6	17.7	18.6
	* PROGENY 4807	35.5			2.3	37.1			17.3		
	* ASGROW AG4605	35.4			1.5	37.7			18.2		
	* DELTAGROW 4970 RR	35.3	47.8		1.7	39.8	38.2		16.9	17.4	
	* SEED CONSULTANTS SC9478RR	35.2			1.8	36.7			17.2		
	* DELTA KING DK4667	34.5	45.5	49.4	2.6	36.9	36.1	36.0	17.5	17.9	18.6
	* UNISOUTH GENETICS USG 7494nRR	34.5	44.9	49.6	1.8	38.0	37.4	37.2	16.4	17.4	18.2



	* PIONEER VARIETY 94M80	34.4	45.5	48.8	1.9	40.9	39.1	38.7	16.6	17.4	18.1
~NS	KS4607 (high protein)	34.3			1.7	39.4			16.7		
	DELTA AND PINE LAND DP 4888 RR/S	33.9			2.2	38.5			17.1		
	* NK BRAND S49-Q9	33.9	47.0	51.5	1.8	38.9	37.5	37.4	15.3	16.6	17.3
	* DELTAGROW 4660 RR	33.7			1.6	38.2			17.1		
EXP	TN05-4715RR	33.4			1.6	41.3			15.6		
~P	PENNYRILE (long term check-released 1987)	33.3			1.9	38.9			18.1		
	* DAIRYLAND 8474RR	33.2			1.9	36.7			18.0		
	* PIONEER VARIETY 94M71	32.2			2.3	36.5			17.8		
EXP	TN03-12RR	30.0			1.8	38.1			17.5		
~NS EXP	TN05-5109 (low phytate)	27.9			2.0	38.2			18.1		
	LATE GROUP IV AVERAGE	38.0	48.2	51.3	1.8	38.2	36.9	37.3	17.3	17.5	18.2
	LSD (0.10)	4.0	2.4	1.8	0.3						

### MATURITY GROUP V

~	UNISOUTH GENETICS USG 5601T	39.3	50.3	55.7	3.0	39.6	38.8	38.5	16.8	16.8	17.3
~P	TEEJAY	37.5	47.4	52.5	2.2	39.6	37.6	37.2	16.6	17.2	17.8
	* DELTA KING DK52K6	37.3	47.5		2.5	40.3	39.0		16.6	17.1	
	* PROGENY 5307	36.8			2.6	40.8			16.6		
	* UNISOUTH GENETICS USG 75J47	36.5			1.7	38.0			17.4		
	DELTA KING DK5068	36.3			1.4	40.2			16.9		
~	UNISOUTH GENETICS USG 5002T	36.3	48.4	54.7	2.4	38.8	37.4	37.0	17.4	17.9	18.5
	* DELTA AND PINE LAND DP 5414 RR	36.0			2.8	40.3			16.3		
~P	JAKE	36.0	46.0		2.5	37.8	36.7		17.3	17.6	
	* SOUTHERN STATES RT 5160N	35.7	45.6		2.8	38.5	37.0		17.0	17.6	
	* GATEWAY 5R533	35.3			2.8	39.7			16.7		
	* STINE 5482-4	35.0			1.8	38.0			17.6		
	* DELTAGROW 4960 RR	35.0			2.8	39.5			17.3		
	* DELTAGROW 5160 RR/STS	34.7	47.9		2.7	40.7	39.2		17.5	17.8	
	* DELTA KING DK5161	34.5	44.9	49.8	2.4	37.9	36.6	36.2	17.6	18.1	18.6
	* DAIRYLAND 8530RR	34.5			2.8	38.3			16.7		
	* SOUTHERN STATES RT 5540N	33.9	44.2	49.1	2.3	40.0	38.4	37.7	16.9	17.5	18.2
	* DAIRYLAND 8509RR	33.7			2.5	39.0			17.1		
	* DELTAGROW 5300 RR	33.3			2.6	39.4			15.6		
	UNISOUTH GENETICS USG ALLEN	33.3	46.1		2.5	39.1	37.9		17.0	16.9	
	* DELTAGROW 5470 RR/STS	33.3			2.3	39.6			16.7		
	HORNBECK HBK RS5227	33.3			2.5	38.1			17.1		
	* DELTA KING DK5368	33.2	44.5		3.0	38.7	38.5		16.1	17.0	
~P	ESSEX (long term check-released 1974)	32.9			2.8	41.4			16.8		
	* PIONEER VARIETY 95M30	32.8	42.6		2.6	39.6	37.9		16.0	16.4	
~P	* ANAND	32.8	46.3	51.1	2.4	39.0	36.9	36.5	17.8	18.2	18.5
	* DELTA KING DK5567	32.7	44.4	51.2	2.6	39.3	37.5	37.1	16.4	16.8	17.5
	* UNISOUTH GENETICS USG 75J32	32.6	45.0	50.5	2.3	40.0	38.3	37.4	15.9	16.9	17.5
	DELTA AND PINE LAND DP 5335 RR/S	32.3			2.3	39.0			17.0		
	* UNISOUTH GENETICS USG 75M16	32.1	43.3		2.7	39.7	37.4		15.5	16.7	
	PROGENY 5207	31.8			1.5	37.1			18.5		
	* CROPLAN GENETICS RC 5007 RR/STS	31.6			2.8	39.8			15.7		
	* SOUTHERN CROSS DAMASCUS 5.0 N, RR, STS	31.6	45.1		2.5	40.4	38.9		17.7	18.1	
	* PROGENY 5115	31.2			1.6	36.8			18.0		
	* DELTAGROW 5270 RR	31.1			1.9	37.4			18.5		
	PROGENY 5407	31.0			2.5	38.6			16.1		
	DELTA KING DK5066	30.4	43.0	49.1	2.6	39.2	38.3	38.2	17.6	18.1	18.4
~NS	K03-3825 (high protein)	30.4	40.6		1.5	40.0	39.0		16.6	17.1	
	* HORNBECK HBK R5226	29.1	41.4		2.9	39.0	38.4		16.5	16.9	
	* UNISOUTH GENETICS USG 7515nRS	29.1	41.8		1.9	39.8	38.8		17.5	17.8	
EXP	* DELTA KING DKXTJ851	28.9			2.4	38.3			17.0		
	* DELTA KING DK5366	28.1	40.4	47.7	3.2	37.9	37.1	37.2	16.7	16.9	17.7
	DELTA AND PINE LAND DP 5115 RR/S	27.3	39.8		1.8	39.2	38.1		17.0	17.3	
~NS	KS5007sp (low linolenic)	27.1	36.4	40.4	1.8	38.9	36.5	35.8	17.7	18.3	18.8
	* PROGENY 5107	26.7			2.1	40.4			16.2		

GROUP V AVERAGE	33.0	44.3	50.2	2.4	39.2	37.9	37.2	16.9	17.3	18.1
LSD (0.10)	3.3	3.1	2.4	0.4						
GRAND MEAN	36.9	47.6	50.0	1.8	38.0	37.5	36.6	17.4	17.8	18.0

~ Variety is not Roundup Ready. All varieties without a tilde ( ~ ) prefix are Roundup Ready.

\* Resistant to soybean cyst nematode. See Table 3. Company Disease Resistance Specifications for details.

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.

EXP Entries with an EXP prefix are varieties that are still under development or soon to be released.

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 and 2007 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 County. These data were provided by the Iowa State University Grain Quality Analysis Services using near-infrared (NIR) analysis.

TABLE 4. 2007 SUMMARY: VARIETY TEST TABLES 5-7

SORTED BY TYPE (NS, EXP, ~)

TYPE	BRAND -- VARIETY	YIELD (BU/AC) <sup>A</sup>			LODGING	% PROTEIN <sup>B</sup>			% OIL <sup>B</sup>			
		2007	06-07	05-07		2007	06-07	05-07	2007	06-07	05-07	
<b>MATURITY GROUP II-III (RELATIVE MG 2.7-3.9)</b>												
NS	* VISTIVE AG2822V (low linolenic)	40.0			1.0	37.5					19.7	
NS	* VISTIVE AG3121V (low linolenic)	39.8			1.3	37.0					17.8	
NS	* VISTIVE AG3521V (low linolenic)	38.5			1.3	36.0					18.2	
NS	* VISTIVE AG2821V (low linolenic)	38.5			1.4	37.1					18.6	
NS	IA3024 (low linolenic)	37.8			1.3	34.7					19.3	
NS	* VISTIVE AG2921V (low linolenic)	36.3			1.1	36.6					19.0	
NS	IA3030RR (low linolenic)	28.6			2.0	36.7					17.4	
NS	IA3033RR (low linolenic)	25.5			1.4	35.0					19.2	
NS	IA3025 (low linolenic)	24.6			1.4	37.1					18.5	
NS	IA3031RR (low linolenic)	24.5			1.3	36.6					18.2	
NS	IA3032RR (low linolenic)	22.8			2.1	35.7					18.8	
EXP	* BECK 399NRR	39.8			1.3	37.7					16.2	
~NS	* SCHILLINGER SEED 387 TCL (low linolenic)	37.0			1.2	37.3					18.9	
~NS	IA3027 (large seed, high protein)	27.0	31.4		1.3	39.7	39.5			18.5	18.7	
~	EBBERTS 3386	38.1			1.4	37.8					17.5	
~	PIONEER VARIETY 93B82	36.6			1.7	37.6					18.4	
~	NK BRAND S38T8	36.1			1.3	35.9					16.9	
	* EBBERTS 1365RR	43.1	48.6	49.2	1.5	40.0	40.1	39.5		16.5	16.8	17.3
	* ASGROW AG3803	41.7			1.4	36.9					18.0	
	* CROW'S C3916R	41.5			1.3	38.3					17.2	
	* NK BRAND S39-A3	41.4			1.5	35.7					17.7	
	* ASGROW AG3705	41.0	51.0		1.4	35.9	36.0			17.3	18.1	
	* GATEWAY 3RS387	40.8			1.4	36.6					17.1	
	* EBBERTS 1378RR	40.8			1.5	38.8					16.7	
	* DYNA-GRO 35G38	40.7			1.4	38.2					18.8	
	* SOUTHERN STATES RT 3971N	40.6			1.3	37.7					17.0	
	* SEED CONSULTANTS SC9387RR	40.3	48.3		1.4	36.5	37.1			18.3	18.5	
	* MAVRICK 7303RR	40.2			1.3	37.3					19.3	
	* ASGROW AG3906	39.7	49.6	51.4	1.3	36.4	36.7	36.5		18.4	19.0	19.5
	* NK BRAND S37-P5	39.7			1.4	36.2					18.4	
	* ASGROW AG3603	39.5			1.2	38.0					16.9	
	SOUTHERN STATES RT 3860	39.2	48.8		1.3	36.6	36.3			17.9	18.6	
	* SOUTHERN CROSS LUCAS 3.8 N, RR	39.2			1.5	38.1					16.7	
	* PIONEER VARIETY 93M42	39.1	45.9		1.3	38.5	38.4			18.4	18.3	
	* SEED CONSULTANTS SC9355RR	38.9			1.5	39.4					16.7	
	* NK BRAND S38-D5	38.7			1.4	36.7					16.4	
	* HELENA BRAND SEED 3676	38.6	47.0	46.5	1.8	38.6	38.4	37.8		17.4	18.2	18.9
	* VIGORO V39N7RR	38.6			1.2	37.2					17.9	
	* PROGENY 3900	38.6			1.5	37.7					18.8	
	* SEED CONSULTANTS SC9388RR	38.3			1.3	37.6					19.0	
	HORNBECK HBK R3927	38.2			1.9	39.6					18.1	
	* SOUTHERN STATES RT 3871N	37.8			1.4	37.4					17.8	
	* SOUTHERN CROSS STEPHEN 3.8 N, RR	37.8	48.7	50.5	1.3	38.4	38.1	37.4		18.7	19.3	19.8
	* UNISOUTH GENETICS USG 7393nRR	37.1	46.5	49.1	1.3	37.0	37.6	37.1		18.3	18.9	19.6
	* CROPLAN GENETICS RC 3935 RR	37.0	45.0	45.4	1.5	37.6	37.6	37.3		17.7	18.2	18.9
	* EBBERTS 1357RR	37.0			1.3	36.2					18.6	
	* SEED CONSULTANTS SC9386RR	37.0	47.3		1.8	37.6	38.2			17.7	18.4	
	DAIRYLAND 8396RR/STS	36.5	48.4		1.4	39.5	38.2			16.6	17.8	
	* MAVRICK 5284RR	36.4			1.3	38.8					19.1	
	* PIONEER VARIETY 93M90	36.2	47.6	49.1	1.3	37.8	37.4	36.8		17.7	18.3	18.6
	* EBBERTS 1386RR	35.2	47.3		1.5	36.9	37.0			17.9	18.6	
	* SOUTHERN STATES RT 3851N	34.7	45.8	47.6	1.4	37.5	36.9	36.6		17.1	17.9	18.7
	GROUP III AVERAGE	37.2	46.7	48.6	1.4	37.4	37.7	37.4		17.9	18.3	18.9
	LSD (0.10)	3.4	3.1	2.1	0.2							

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

EXP	* NK BRAND XR4472	42.1			1.8	37.0				17.0
~NS	* GATEWAY 427 (high protein)	38.0			1.8	37.3				18.2
~NS	* SCHILLINGER SEED 42HP (high protein)	33.1			1.3	41.8				14.2
~	* BROWN SEED MG 4317X	35.4			1.8	37.3				16.0
	* STEYER 4040 RR SCN	44.1			2.3	38.1				17.4
	* PIONEER VARIETY 94M50	43.8	54.1	54.2	1.5	35.5	36.5	36.8	17.5	18.1 18.8
	* PIONEER VARIETY 94M30	43.2	52.7	52.3	1.8	38.6	39.4	38.7	17.1	17.5 18.3
	* CAVERNDAL CF 447 RR/STSn	42.8			1.4	36.8				18.1
	* SOUTHERN STATES RT 4470N	42.8			1.3	36.4				18.2
	* DYNA-GRO 35B40	42.5			1.5	38.4				16.5
	* PROGENY 4206	42.4			1.6	36.7				18.4
	* STEYER 4430 RR SCN	41.8			1.4	36.7				18.4
	* DYNA-GRO 38C42	41.5			1.5	37.3				17.8
	* SEED CONSULTANTS SC9399RR	41.2			1.9	38.0				18.1
	* CAVERNDAL CF 410 RR/STSn	40.9			1.4	38.1				16.0
	* BECK 422NRR	40.9	53.1		1.4	36.9	37.0		17.7	18.5
	* CAVERNDAL CF 422 RR/STSn	40.7	53.3		1.5	38.0	37.0		17.9	18.7
	* STINE 4392-4	40.6			1.5	36.5				17.5
	* BECK 444NRR	40.4	51.4	54.1	1.8	36.0	36.0	35.8	16.8	17.8 18.6
	* CROW'S C4142R	40.4			1.8	39.6				16.1
	* SEED CONSULTANTS SC9456RR	39.9	50.6	52.4	1.7	38.4	37.3	37.0	16.5	17.4 18.2
	* CROPLAN GENETICS RC 4455 RR	39.8	51.4	53.7	2.0	38.2	37.1	36.5	15.4	17.0 18.1
	* GREAT LAKES GL 4519RR	39.8			1.3	38.1				17.0
	* DYNA-GRO 35D44	39.8			1.8	38.4				17.1
	* VIGORO V40N8RS	39.7			1.3	37.8				18.4
	* DAIRYLAND 8450RR	39.4	51.5		1.4	38.1	37.6		18.1	18.1
	* SOUTHERN CROSS MICHAEL 4.2 N, RR, STS	39.3	50.8	51.6	1.3	37.3	37.3	37.1	17.3	18.2 18.8
	* ASGROW DKB42-51	39.2	52.7		1.3	34.6	35.2		17.3	17.8
	* TRISOY 4227RR(CN)	39.2			1.3	36.6				17.8
	* DELTAGROW 4470 RR/STS	39.0			1.3	36.4				18.1
	* SOUTHERN STATES RT 4451N	39.0	50.1	54.9	1.7	36.4	36.2	35.9	17.3	17.8 18.6
	PROGENY 4507	38.9			1.7	37.9				17.3
	* SOUTHERN CROSS CALEB 4.4 N, RR, STS	38.2			1.2	35.9				17.9
	* SEED CONSULTANTS SC9448RR	38.2			1.1	37.1				18.5
	* CROW'S C4517R	38.1			1.8	37.4				16.6
	* DELTAGROW 4150 RR	38.1	52.6		1.4	38.4	37.9		16.7	17.4
	HELENA BRAND SEED 4178	38.0			1.4	37.5				17.7
	* VIGORO V42N7RS	38.0	51.5		1.4	37.7	37.5		18.2	18.7
	* HELENA BRAND SEED 4576	37.4			1.6	36.9				16.5
	* ASGROW AG4405	37.4			1.5	37.7				16.2
	* ASGROW AG4103	37.3	51.2		1.4	36.5	36.4		19.0	18.8
	* ASGROW AG4404	37.0	51.2	52.9	2.1	36.9	36.8	37.1	16.8	17.7 18.2
	* DELTAGROW 4460 RR	36.6	49.8		1.8	37.7	37.0		16.8	17.7
	* SOUTHERN STATES RT 4551N	36.4	49.6	53.8	1.3	39.0	38.8	38.4	17.0	17.6 18.0
	* SEED CONSULTANTS SC9415RR	36.4	47.2	49.2	1.2	38.2	38.1	37.0	17.3	18.2 19.1
	* GREAT LAKES GL 4129RR	35.9	51.8		1.5	37.7	37.5		16.7	17.6
	* NK BRAND S45-E5	35.6			1.7	38.7				16.4
	* DELTA KING DK4567	35.6			1.5	37.0				18.5
	* SCHILLINGER SEED 457 RCP	35.2			2.8	37.3				17.5
	* PROGENY 4405	35.1			1.5	38.3				16.2
	* SEED CONSULTANTS SC9442RR	34.8	49.4		1.6	36.6	36.1		18.1	18.7
	* HELENA BRAND SEED 4375	34.7	50.5	52.8	1.4	38.4	37.2	36.7	17.2	17.9 18.8
	* SOUTHERN STATES RT 4370N	34.7			1.9	36.5				17.7
	* HORNBECK HBK R3824	33.2			2.1	37.0				17.5
	HORNBECK HBK R4527	31.2			2.3	40.0				16.3
	* SOUTHERN STATES RT 4151N	31.0	45.0	49.0	1.7	40.1	39.1	38.0	16.8	17.8 18.7
	EARLY GROUP IV AVERAGE	38.5	51.0	52.6	1.6	37.6	37.2	37.1	17.3	17.9 18.5
	LSD (0.10)	3.6	2.4	1.8	0.3					

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

EXP	*	NK BRAND XR4674	46.8			1.3	37.5				17.7		
EXP		DELTA KING DKXTJ847	44.1			1.6	39.9				17.4		
EXP	*	JG49	37.7			2.3	39.7				16.9		
EXP	*	DELTA KING DKXTJ848	37.6			2.4	39.1				17.4		
EXP		TN05-4715RR	33.4			1.6	41.3				15.6		
EXP		TN03-12RR	30.0			1.8	38.1				17.5		
~P		PENNYRILE (long term check-released 1987)	33.3			1.9	38.9				18.1		
~NS EXP		TN05-5109 (low phytate)	27.9			2.0	38.2				18.1		
~NS		KS4607 (high protein)	34.3			1.7	39.4				16.7		
	*	PIONEER VARIETY 94B73	44.4	51.5	53.4	2.3	37.8	37.7	37.3		18.6	18.4	18.7
	*	SOUTHERN STATES RT 4777N	43.8	51.2		2.3	37.5	37.2			17.7	18.2	
	*	SOUTHERN STATES RT 4808N	43.4	51.7	55.0	1.5	38.4	36.3	36.1		16.1	17.3	18.0
	*	HORNBECK HBK R4924	43.1	50.4		1.9	38.5	36.7			16.8	17.7	
	*	PROGENY 4606	42.2			1.4	37.6				17.4		
	*	CAVERNDALE CF 470 RR/STSn	41.7			1.3	36.5				18.4		
	*	ARMOR 47-F8	41.6			1.4	37.3				18.1		
		SOUTHERN CROSS ELI 4.7 N, RR, STS	41.6	52.5		1.4	35.9	35.1			19.6	19.6	
	*	VIGORO V49N6RR	41.6	51.0	54.4	1.9	39.1	37.9	37.8		16.9	17.5	17.8
	*	DELTAGROW 4770 RR	40.8			2.3	39.4				17.1		
	*	HELENA BRAND SEED 4875	40.7	46.9	51.2	2.3	38.4	37.6	36.9		16.2	17.0	17.7
	*	STINE 4782-4	40.7	51.9		1.5	37.9	36.1			19.0	19.1	
	*	VIGORO V48N7RS	40.6			1.3	35.5				18.4		
	*	ASGROW AG4703	40.5	49.6	53.4	1.6	38.5	37.3	37.2		16.6	17.3	18.0
	*	DELTA KING DK4763	40.3	47.6	51.6	1.8	38.1	38.0	37.7		18.1	18.3	18.7
	*	DELTA KING DK4866	40.3	49.1	52.0	1.8	38.3	37.1	36.4		16.6	17.3	18.1
		PROGENY 4949	40.2			1.6	39.8				16.3		
	*	SCHILLINGER SEED 495 RC	40.1	48.0	51.4	1.8	39.7	38.3	38.3		16.8	17.4	17.5
	*	UNISOUTH GENETICS USG 74A76	40.0	49.3		2.6	39.2	37.3			16.6	17.7	
	*	DYNA-GRO 32R46	39.8			1.3	36.8				18.4		
	*	STEYER 4710 RR SCN	39.8			1.8	37.5				18.0		
	*	PROGENY 4804	39.8			2.2	37.6				16.9		
		DAIRYLAND 8482RR	39.6			2.0	38.5				17.6		
		ASGROW AG4903	39.5	49.3	53.3	1.8	37.5	36.3	36.4		18.1	18.4	18.9
	*	SEED CONSULTANTS SC9468RR	39.4			1.3	35.8				18.8		
	*	PROGENY 4706	39.3			2.7	38.4				17.3		
	*	SOUTHERN CROSS GALILEE 4.7 N, RR	39.0			2.0	37.0				18.6		
	*	DELTAGROW 4840 RR	38.3	46.4	50.3	2.2	38.3	37.5	36.8		15.5	17.1	17.9
	*	SOUTHERN STATES RT 4996N	38.3	48.1		2.4	38.9	37.7			17.1	18.1	
		DELTAGROW 4975 LARR	38.2			1.8	38.6				16.5		
		HORNBECK HBK R4727	38.2			1.7	36.6				17.4		
	*	SCHILLINGER SEED 467 RCP	38.1			1.5	37.6				17.3		
	*	GREAT LAKES GL 4709RR	37.9	49.2		1.3	36.4	35.4			18.7	19.1	
	*	SOUTHERN STATES RT 4760N	37.9	48.2		2.4	39.5	38.7			16.7	17.5	
	*	ASGROW DKB46-51	37.9	47.8	50.9	1.7	39.4	38.6	38.2		17.4	17.7	18.2
	*	SOUTHERN CROSS HIRAM 4.9 N, RR	37.9			2.0	36.6				16.4		
	*	CROW'S C4815R	37.7	48.2	51.2	1.7	38.3	38.1	37.9		17.5	17.5	18.1
	*	DELTA KING DK4967	37.6	47.1	51.1	2.1	40.6	39.0	38.2		17.0	17.5	18.3
	*	CROPLAN GENETICS RC 4757 RR	37.6			1.3	36.2				18.2		
		DELTA KING DK4968	37.3	47.1		1.9	39.1	37.4			16.1	17.1	
	*	PROGENY 4817	37.0			2.3	40.7				15.9		
		DELTA AND PINE LAND DP 4919 RR/S	36.8	46.4		2.4	39.9	39.1			15.7	17.0	
	*	TRISOY 4760RR(CN)	36.8			1.4	35.7				19.0		
	*	CROPLAN GENETICS RC 4842 RR	36.5	45.8	49.0	1.8	40.6	39.1	38.5		17.4	17.8	18.5
	*	DELTAGROW 4780 RR	36.1			1.7	36.6				18.3		
	*	DELTA AND PINE LAND DP 4724 RR	36.0	46.9	50.9	1.9	38.4	37.9	38.0		17.8	18.1	18.5
	*	SOUTHERN STATES RT 4981N	36.0	45.8	49.8	1.5	38.2	37.0	36.8		17.7	18.1	18.7
	*	ASGROW AG4801	35.8	46.5	51.1	1.5	38.0	37.4	37.3		17.0	18.0	18.7
		PROGENY 4906	35.8			1.7	38.6				17.2		
	*	CROPLAN GENETICS RC 4955 RR	35.5	45.9	49.7	1.8	37.6	36.4	36.0		16.6	17.7	18.6
	*	PROGENY 4807	35.5			2.3	37.1				17.3		

* ASGROW AG4605	35.4			1.5	37.7				18.2		
* DELTAGROW 4970 RR	35.3	47.8		1.7	39.8	38.2			16.9	17.4	
* SEED CONSULTANTS SC9478RR	35.2			1.8	36.7				17.2		
* DELTA KING DK4667	34.5	45.5	49.4	2.6	36.9	36.1	36.0		17.5	17.9	18.6
* UNISOUTH GENETICS USG 7494nRR	34.5	44.9	49.6	1.8	38.0	37.4	37.2		16.4	17.4	18.2
* PIONEER VARIETY 94M80	34.4	45.5	48.8	1.9	40.9	39.1	38.7		16.6	17.4	18.1
DELTA AND PINE LAND DP 4888 RR/S	33.9			2.2	38.5				17.1		
* NK BRAND S49-Q9	33.9	47.0	51.5	1.8	38.9	37.5	37.4		15.3	16.6	17.3
* DELTAGROW 4660 RR	33.7			1.6	38.2				17.1		
* DAIRYLAND 8474RR	33.2			1.9	36.7				18.0		
* PIONEER VARIETY 94M71	32.2			2.3	36.5				17.8		
LATE GROUP IV AVERAGE	38.0	48.2	51.3	1.8	38.2	36.9	37.3		17.3	17.5	18.2
LSD (0.10)	4.0	2.4	1.8	0.3							

#### MATURITY GROUP V

EXP * DELTA KING DKXTJ851	28.9			2.4	38.3				17.0		
~P TEEJAY	37.5	47.4	52.5	2.2	39.6	37.6	37.2		16.6	17.2	17.8
~P JAKE	36.0	46.0		2.5	37.8	36.7			17.3	17.6	
~P ESSEX (long term check-released 1974)	32.9			2.8	41.4				16.8		
~P * ANAND	32.8	46.3	51.1	2.4	39.0	36.9	36.5		17.8	18.2	18.5
~NS K03-3825 (high protein)	30.4	40.6		1.5	40.0	39.0			16.6	17.1	
~NS KS5007sp (low linolenic)	27.1	36.4	40.4	1.8	38.9	36.5	35.8		17.7	18.3	18.8
~ UNISOUTH GENETICS USG 5601T	39.3	50.3	55.7	3.0	39.6	38.8	38.5		16.8	16.8	17.3
~ UNISOUTH GENETICS USG 5002T	36.3	48.4	54.7	2.4	38.8	37.4	37.0		17.4	17.9	18.5
* DELTA KING DK52K6	37.3	47.5		2.5	40.3	39.0			16.6	17.1	
* PROGENY 5307	36.8			2.6	40.8				16.6		
* UNISOUTH GENETICS USG 75J47	36.5			1.7	38.0				17.4		
DELTA KING DK5068	36.3			1.4	40.2				16.9		
* DELTA AND PINE LAND DP 5414 RR	36.0			2.8	40.3				16.3		
* SOUTHERN STATES RT 5160N	35.7	45.6		2.8	38.5	37.0			17.0	17.6	
* GATEWAY 5R533	35.3			2.8	39.7				16.7		
* STINE 5482-4	35.0			1.8	38.0				17.6		
* DELTAGROW 4960 RR	35.0			2.8	39.5				17.3		
* DELTAGROW 5160 RR/STS	34.7	47.9		2.7	40.7	39.2			17.5	17.8	
* DELTA KING DK5161	34.5	44.9	49.8	2.4	37.9	36.6	36.2		17.6	18.1	18.6
* DAIRYLAND 8530RR	34.5			2.8	38.3				16.7		
* SOUTHERN STATES RT 5540N	33.9	44.2	49.1	2.3	40.0	38.4	37.7		16.9	17.5	18.2
* DAIRYLAND 8509RR	33.7			2.5	39.0				17.1		
* DELTAGROW 5300 RR	33.3			2.6	39.4				15.6		
UNISOUTH GENETICS USG ALLEN	33.3	46.1		2.5	39.1	37.9			17.0	16.9	
* DELTAGROW 5470 RR/STS	33.3			2.3	39.6				16.7		
HORNBECK HBK RS5227	33.3			2.5	38.1				17.1		
* DELTA KING DK5368	33.2	44.5		3.0	38.7	38.5			16.1	17.0	
* PIONEER VARIETY 95M30	32.8	42.6		2.6	39.6	37.9			16.0	16.4	
* DELTA KING DK5567	32.7	44.4	51.2	2.6	39.3	37.5	37.1		16.4	16.8	17.5
* UNISOUTH GENETICS USG 75J32	32.6	45.0	50.5	2.3	40.0	38.3	37.4		15.9	16.9	17.5
DELTA AND PINE LAND DP 5335 RR/S	32.3			2.3	39.0				17.0		
* UNISOUTH GENETICS USG 75M16	32.1	43.3		2.7	39.7	37.4			15.5	16.7	
PROGENY 5207	31.8			1.5	37.1				18.5		
* CROPLAN GENETICS RC 5007 RR/STS	31.6			2.8	39.8				15.7		
* SOUTHERN CROSS DAMASCUS 5.0 N, RR, STS	31.6	45.1		2.5	40.4	38.9			17.7	18.1	
* PROGENY 5115	31.2			1.6	36.8				18.0		
* DELTAGROW 5270 RR	31.1			1.9	37.4				18.5		
PROGENY 5407	31.0			2.5	38.6				16.1		
DELTA KING DK5066	30.4	43.0	49.1	2.6	39.2	38.3	38.2		17.6	18.1	18.4
* HORNBECK HBK R5226	29.1	41.4		2.9	39.0	38.4			16.5	16.9	
* UNISOUTH GENETICS USG 7515nRS	29.1	41.8		1.9	39.8	38.8			17.5	17.8	
* DELTA KING DK5366	28.1	40.4	47.7	3.2	37.9	37.1	37.2		16.7	16.9	17.7
DELTA AND PINE LAND DP 5115 RR/S	27.3	39.8		1.8	39.2	38.1			17.0	17.3	
* PROGENY 5107	26.7			2.1	40.4				16.2		

GROUP V AVERAGE	33.0	44.3	50.2	2.4	39.2	37.9	37.2	16.9	17.3	18.1
LSD (0.10)	3.3	3.1	2.4	0.4						
GRAND MEAN	36.9	47.6	50.0	1.8	38.0	37.5	36.6	17.4	17.8	18.0

~ Variety is not Roundup Ready. All varieties without a tilde ( ~ ) prefix are Roundup Ready.

\* Resistant to soybean cyst nematode. See Table 3. Company Disease Resistance Specifications for details.

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.

EXP Entries with an EXP prefix are varieties that are still under development or soon to be released.

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 and 2007 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 County. These data were provided by the Iowa State University Grain Quality Analysis Services using near-infrared (NIR) analysis.

TABLE 4. 2007 SUMMARY: VARIETY TEST TABLES 5-7

SORTED BY TYPE (\* =SCN RESISTA

TYPE	BRAND -- VARIETY	YIELD (BU/AC) <sup>A</sup>			LODGING	% PROTEIN <sup>B</sup>			% OIL <sup>B</sup>		
		2007	06-07	05-07		2007	06-07	05-07	2007	06-07	05-07
<a href="#">sort</a>											
<b>MATURITY GROUP II-III (RELATIVE MG 2.7-3.9)</b>											
	SOUTHERN STATES RT 3860	39.2	48.8		1.3	36.6	36.3		17.9	18.6	
	HORNBECK HBK R3927	38.2			1.9	39.6			18.1		
~	EBBERTS 3386	38.1			1.4	37.8			17.5		
NS	IA3024 (low linolenic)	37.8			1.3	34.7			19.3		
~	PIONEER VARIETY 93B82	36.6			1.7	37.6			18.4		
	DAIRYLAND 8396RR/STS	36.5	48.4		1.4	39.5	38.2		16.6	17.8	
~	NK BRAND S38T8	36.1			1.3	35.9			16.9		
NS	IA3030RR (low linolenic)	28.6			2.0	36.7			17.4		
~NS	IA3027 (large seed, high protein)	27.0	31.4		1.3	39.7	39.5		18.5	18.7	
NS	IA3033RR (low linolenic)	25.5			1.4	35.0			19.2		
NS	IA3025 (low linolenic)	24.6			1.4	37.1			18.5		
NS	IA3031RR (low linolenic)	24.5			1.3	36.6			18.2		
NS	IA3032RR (low linolenic)	22.8			2.1	35.7			18.8		
*	EBBERTS 1365RR	43.1	48.6	49.2	1.5	40.0	40.1	39.5	16.5	16.8	17.3
*	ASGROW AG3803	41.7			1.4	36.9			18.0		
*	CROW'S C3916R	41.5			1.3	38.3			17.2		
*	NK BRAND S39-A3	41.4			1.5	35.7			17.7		
*	ASGROW AG3705	41.0	51.0		1.4	35.9	36.0		17.3	18.1	
*	GATEWAY 3RS387	40.8			1.4	36.6			17.1		
*	EBBERTS 1378RR	40.8			1.5	38.8			16.7		
*	DYNA-GRO 35G38	40.7			1.4	38.2			18.8		
*	SOUTHERN STATES RT 3971N	40.6			1.3	37.7			17.0		
*	SEED CONSULTANTS SC9387RR	40.3	48.3		1.4	36.5	37.1		18.3	18.5	
*	MAVRICK 7303RR	40.2			1.3	37.3			19.3		
NS	* VISTIVE AG2822V (low linolenic)	40.0			1.0	37.5			19.7		
EXP	* BECK 399NRR	39.8			1.3	37.7			16.2		
NS	* VISTIVE AG3121V (low linolenic)	39.8			1.3	37.0			17.8		
*	ASGROW AG3906	39.7	49.6	51.4	1.3	36.4	36.7	36.5	18.4	19.0	19.5
*	NK BRAND S37-P5	39.7			1.4	36.2			18.4		
*	ASGROW AG3603	39.5			1.2	38.0			16.9		
*	SOUTHERN CROSS LUCAS 3.8 N, RR	39.2			1.5	38.1			16.7		
*	PIONEER VARIETY 93M42	39.1	45.9		1.3	38.5	38.4		18.4	18.3	
*	SEED CONSULTANTS SC9355RR	38.9			1.5	39.4			16.7		
*	NK BRAND S38-D5	38.7			1.4	36.7			16.4		
*	HELENA BRAND SEED 3676	38.6	47.0	46.5	1.8	38.6	38.4	37.8	17.4	18.2	18.9
*	VIGORO V39N7RR	38.6			1.2	37.2			17.9		
*	PROGENY 3900	38.6			1.5	37.7			18.8		
NS	* VISTIVE AG3521V (low linolenic)	38.5			1.3	36.0			18.2		
NS	* VISTIVE AG2821V (low linolenic)	38.5			1.4	37.1			18.6		
*	SEED CONSULTANTS SC9388RR	38.3			1.3	37.6			19.0		
*	SOUTHERN STATES RT 3871N	37.8			1.4	37.4			17.8		
*	SOUTHERN CROSS STEPHEN 3.8 N, RR	37.8	48.7	50.5	1.3	38.4	38.1	37.4	18.7	19.3	19.8
*	UNISOUTH GENETICS USG 7393nRR	37.1	46.5	49.1	1.3	37.0	37.6	37.1	18.3	18.9	19.6
*	CROPLAN GENETICS RC 3935 RR	37.0	45.0	45.4	1.5	37.6	37.6	37.3	17.7	18.2	18.9
*	EBBERTS 1357RR	37.0			1.3	36.2			18.6		
*	SEED CONSULTANTS SC9386RR	37.0	47.3		1.8	37.6	38.2		17.7	18.4	
~NS	* SCHILLINGER SEED 387 TCL (low linolenic)	37.0			1.2	37.3			18.9		
*	MAVRICK 5284RR	36.4			1.3	38.8			19.1		
NS	* VISTIVE AG2921V (low linolenic)	36.3			1.1	36.6			19.0		
*	PIONEER VARIETY 93M90	36.2	47.6	49.1	1.3	37.8	37.4	36.8	17.7	18.3	18.6
*	EBBERTS 1386RR	35.2	47.3		1.5	36.9	37.0		17.9	18.6	
*	SOUTHERN STATES RT 3851N	34.7	45.8	47.6	1.4	37.5	36.9	36.6	17.1	17.9	18.7
	GROUP III AVERAGE	37.2	46.7	48.6	1.4	37.4	37.7	37.4	17.9	18.3	18.9
	LSD (0.10)	3.4	3.1	2.1	0.2						



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

	PROGENY 4507	38.9			1.7	37.9				17.3
	HELENA BRAND SEED 4178	38.0			1.4	37.5				17.7
~NS	SCHILLINGER SEED 42HP (high protein)	33.1			1.3	41.8				14.2
	HORNBECK HBK R4527	31.2			2.3	40.0				16.3
	* STEYER 4040 RR SCN	44.1			2.3	38.1				17.4
	* PIONEER VARIETY 94M50	43.8	54.1	54.2	1.5	35.5	36.5	36.8	17.5	18.1 18.8
	* PIONEER VARIETY 94M30	43.2	52.7	52.3	1.8	38.6	39.4	38.7	17.1	17.5 18.3
	* CAVERNDALE CF 447 RR/STSn	42.8			1.4	36.8				18.1
	* SOUTHERN STATES RT 4470N	42.8			1.3	36.4				18.2
	* DYNA-GRO 35B40	42.5			1.5	38.4				16.5
	* PROGENY 4206	42.4			1.6	36.7				18.4
EXP	* NK BRAND XR4472	42.1			1.8	37.0				17.0
	* STEYER 4430 RR SCN	41.8			1.4	36.7				18.4
	* DYNA-GRO 38C42	41.5			1.5	37.3				17.8
	* SEED CONSULTANTS SC9399RR	41.2			1.9	38.0				18.1
	* CAVERNDALE CF 410 RR/STSn	40.9			1.4	38.1				16.0
	* BECK 422NRR	40.9	53.1		1.4	36.9	37.0		17.7	18.5
	* CAVERNDALE CF 422 RR/STSn	40.7	53.3		1.5	38.0	37.0		17.9	18.7
	* STINE 4392-4	40.6			1.5	36.5				17.5
	* BECK 444NRR	40.4	51.4	54.1	1.8	36.0	36.0	35.8	16.8	17.8 18.6
	* CROW'S C4142R	40.4			1.8	39.6				16.1
	* SEED CONSULTANTS SC9456RR	39.9	50.6	52.4	1.7	38.4	37.3	37.0	16.5	17.4 18.2
	* CROPLAN GENETICS RC 4455 RR	39.8	51.4	53.7	2.0	38.2	37.1	36.5	15.4	17.0 18.1
	* GREAT LAKES GL 4519RR	39.8			1.3	38.1				17.0
	* DYNA-GRO 35D44	39.8			1.8	38.4				17.1
	* VIGORO V40N8RS	39.7			1.3	37.8				18.4
	* DAIRYLAND 8450RR	39.4	51.5		1.4	38.1	37.6		18.1	18.1
	* SOUTHERN CROSS MICHAEL 4.2 N, RR, STS	39.3	50.8	51.6	1.3	37.3	37.3	37.1	17.3	18.2 18.8
	* ASGROW DKB42-51	39.2	52.7		1.3	34.6	35.2		17.3	17.8
	* TRISOY 4227RR(CN)	39.2			1.3	36.6				17.8
	* DELTAGROW 4470 RR/STS	39.0			1.3	36.4				18.1
	* SOUTHERN STATES RT 4451N	39.0	50.1	54.9	1.7	36.4	36.2	35.9	17.3	17.8 18.6
	* SOUTHERN CROSS CALEB 4.4 N, RR, STS	38.2			1.2	35.9				17.9
	* SEED CONSULTANTS SC9448RR	38.2			1.1	37.1				18.5
	* CROW'S C4517R	38.1			1.8	37.4				16.6
	* DELTAGROW 4150 RR	38.1	52.6		1.4	38.4	37.9		16.7	17.4
~NS	* GATEWAY 427 (high protein)	38.0			1.8	37.3				18.2
	* VIGORO V42N7RS	38.0	51.5		1.4	37.7	37.5		18.2	18.7
	* HELENA BRAND SEED 4576	37.4			1.6	36.9				16.5
	* ASGROW AG4405	37.4			1.5	37.7				16.2
	* ASGROW AG4103	37.3	51.2		1.4	36.5	36.4		19.0	18.8
	* ASGROW AG4404	37.0	51.2	52.9	2.1	36.9	36.8	37.1	16.8	17.7 18.2
	* DELTAGROW 4460 RR	36.6	49.8		1.8	37.7	37.0		16.8	17.7
	* SOUTHERN STATES RT 4551N	36.4	49.6	53.8	1.3	39.0	38.8	38.4	17.0	17.6 18.0
	* SEED CONSULTANTS SC9415RR	36.4	47.2	49.2	1.2	38.2	38.1	37.0	17.3	18.2 19.1
	* GREAT LAKES GL 4129RR	35.9	51.8		1.5	37.7	37.5		16.7	17.6
	* NK BRAND S45-E5	35.6			1.7	38.7				16.4
	* DELTA KING DK4567	35.6			1.5	37.0				18.5
~	* BROWN SEED MG 4317X	35.4			1.8	37.3				16.0
	* SCHILLINGER SEED 457 RCP	35.2			2.8	37.3				17.5
	* PROGENY 4405	35.1			1.5	38.3				16.2
	* SEED CONSULTANTS SC9442RR	34.8	49.4		1.6	36.6	36.1		18.1	18.7
	* HELENA BRAND SEED 4375	34.7	50.5	52.8	1.4	38.4	37.2	36.7	17.2	17.9 18.8
	* SOUTHERN STATES RT 4370N	34.7			1.9	36.5				17.7
	* HORNBECK HBK R3824	33.2			2.1	37.0				17.5
	* SOUTHERN STATES RT 4151N	31.0	45.0	49.0	1.7	40.1	39.1	38.0	16.8	17.8 18.7
	EARLY GROUP IV AVERAGE	38.5	51.0	52.6	1.6	37.6	37.2	37.1	17.3	17.9 18.5
	LSD (0.10)	3.6	2.4	1.8	0.3					

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

EXP	DELTA KING DKXTJ847	44.1			1.6	39.9				17.4		
	SOUTHERN CROSS ELI 4.7 N, RR, STS	41.6	52.5		1.4	35.9	35.1			19.6	19.6	
	PROGENY 4949	40.2			1.6	39.8				16.3		
	DAIRYLAND 8482RR	39.6			2.0	38.5				17.6		
	ASGROW AG4903	39.5	49.3	53.3	1.8	37.5	36.3	36.4		18.1	18.4	18.9
	DELTAGROW 4975 LARR	38.2			1.8	38.6				16.5		
	HORNBECK HBK R4727	38.2			1.7	36.6				17.4		
	DELTA KING DK4968	37.3	47.1		1.9	39.1	37.4			16.1	17.1	
	DELTA AND PINE LAND DP 4919 RR/S	36.8	46.4		2.4	39.9	39.1			15.7	17.0	
	PROGENY 4906	35.8			1.7	38.6				17.2		
~NS	KS4607 (high protein)	34.3			1.7	39.4				16.7		
	DELTA AND PINE LAND DP 4888 RR/S	33.9			2.2	38.5				17.1		
EXP	TN05-4715RR	33.4			1.6	41.3				15.6		
~P	PENNYRILE (long term check-released 1987)	33.3			1.9	38.9				18.1		
EXP	TN03-12RR	30.0			1.8	38.1				17.5		
~NS EXP	TN05-5109 (low phytate)	27.9			2.0	38.2				18.1		
EXP	* NK BRAND XR4674	46.8			1.3	37.5				17.7		
	* PIONEER VARIETY 94B73	44.4	51.5	53.4	2.3	37.8	37.7	37.3		18.6	18.4	18.7
	* SOUTHERN STATES RT 4777N	43.8	51.2		2.3	37.5	37.2			17.7	18.2	
	* SOUTHERN STATES RT 4808N	43.4	51.7	55.0	1.5	38.4	36.3	36.1		16.1	17.3	18.0
	* HORNBECK HBK R4924	43.1	50.4		1.9	38.5	36.7			16.8	17.7	
	* PROGENY 4606	42.2			1.4	37.6				17.4		
	* CAVERNDAL CF 470 RR/STSn	41.7			1.3	36.5				18.4		
	* ARMOR 47-F8	41.6			1.4	37.3				18.1		
	* VIGORO V49N6RR	41.6	51.0	54.4	1.9	39.1	37.9	37.8		16.9	17.5	17.8
	* DELTAGROW 4770 RR	40.8			2.3	39.4				17.1		
	* HELENA BRAND SEED 4875	40.7	46.9	51.2	2.3	38.4	37.6	36.9		16.2	17.0	17.7
	* STINE 4782-4	40.7	51.9		1.5	37.9	36.1			19.0	19.1	
	* VIGORO V48N7RS	40.6			1.3	35.5				18.4		
	* ASGROW AG4703	40.5	49.6	53.4	1.6	38.5	37.3	37.2		16.6	17.3	18.0
	* DELTA KING DK4763	40.3	47.6	51.6	1.8	38.1	38.0	37.7		18.1	18.3	18.7
	* DELTA KING DK4866	40.3	49.1	52.0	1.8	38.3	37.1	36.4		16.6	17.3	18.1
	* SCHILLINGER SEED 495 RC	40.1	48.0	51.4	1.8	39.7	38.3	38.3		16.8	17.4	17.5
	* UNISOUTH GENETICS USG 74A76	40.0	49.3		2.6	39.2	37.3			16.6	17.7	
	* DYNA-GRO 32R46	39.8			1.3	36.8				18.4		
	* STEYER 4710 RR SCN	39.8			1.8	37.5				18.0		
	* PROGENY 4804	39.8			2.2	37.6				16.9		
	* SEED CONSULTANTS SC9468RR	39.4			1.3	35.8				18.8		
	* PROGENY 4706	39.3			2.7	38.4				17.3		
	* SOUTHERN CROSS GALILEE 4.7 N, RR	39.0			2.0	37.0				18.6		
	* DELTAGROW 4840 RR	38.3	46.4	50.3	2.2	38.3	37.5	36.8		15.5	17.1	17.9
	* SOUTHERN STATES RT 4996N	38.3	48.1		2.4	38.9	37.7			17.1	18.1	
	* SCHILLINGER SEED 467 RCP	38.1			1.5	37.6				17.3		
	* GREAT LAKES GL 4709RR	37.9	49.2		1.3	36.4	35.4			18.7	19.1	
	* SOUTHERN STATES RT 4760N	37.9	48.2		2.4	39.5	38.7			16.7	17.5	
	* ASGROW DKB46-51	37.9	47.8	50.9	1.7	39.4	38.6	38.2		17.4	17.7	18.2
	* SOUTHERN CROSS HIRAM 4.9 N, RR	37.9			2.0	36.6				16.4		
	* CROW'S C4815R	37.7	48.2	51.2	1.7	38.3	38.1	37.9		17.5	17.5	18.1
EXP	* JG49	37.7			2.3	39.7				16.9		
	* DELTA KING DK4967	37.6	47.1	51.1	2.1	40.6	39.0	38.2		17.0	17.5	18.3
EXP	* DELTA KING DKXTJ848	37.6			2.4	39.1				17.4		
	* CROPLAN GENETICS RC 4757 RR	37.6			1.3	36.2				18.2		
	* PROGENY 4817	37.0			2.3	40.7				15.9		
	* TRISOY 4760RR(CN)	36.8			1.4	35.7				19.0		
	* CROPLAN GENETICS RC 4842 RR	36.5	45.8	49.0	1.8	40.6	39.1	38.5		17.4	17.8	18.5
	* DELTAGROW 4780 RR	36.1			1.7	36.6				18.3		
	* DELTA AND PINE LAND DP 4724 RR	36.0	46.9	50.9	1.9	38.4	37.9	38.0		17.8	18.1	18.5
	* SOUTHERN STATES RT 4981N	36.0	45.8	49.8	1.5	38.2	37.0	36.8		17.7	18.1	18.7
	* ASGROW AG4801	35.8	46.5	51.1	1.5	38.0	37.4	37.3		17.0	18.0	18.7
	* CROPLAN GENETICS RC 4955 RR	35.5	45.9	49.7	1.8	37.6	36.4	36.0		16.6	17.7	18.6

*	PROGENY 4807	35.5			2.3	37.1			17.3		
*	ASGROW AG4605	35.4			1.5	37.7			18.2		
*	DELTAGROW 4970 RR	35.3	47.8		1.7	39.8	38.2		16.9	17.4	
*	SEED CONSULTANTS SC9478RR	35.2			1.8	36.7			17.2		
*	DELTA KING DK4667	34.5	45.5	49.4	2.6	36.9	36.1	36.0	17.5	17.9	18.6
*	UNISOUTH GENETICS USG 7494nRR	34.5	44.9	49.6	1.8	38.0	37.4	37.2	16.4	17.4	18.2
*	PIONEER VARIETY 94M80	34.4	45.5	48.8	1.9	40.9	39.1	38.7	16.6	17.4	18.1
*	NK BRAND S49-Q9	33.9	47.0	51.5	1.8	38.9	37.5	37.4	15.3	16.6	17.3
*	DELTAGROW 4660 RR	33.7			1.6	38.2			17.1		
*	DAIRYLAND 8474RR	33.2			1.9	36.7			18.0		
*	PIONEER VARIETY 94M71	32.2			2.3	36.5			17.8		
	LATE GROUP IV AVERAGE	38.0	48.2	51.3	1.8	38.2	36.9	37.3	17.3	17.5	18.2
	LSD (0.10)	4.0	2.4	1.8	0.3						

#### MATURITY GROUP V

~	UNISOUTH GENETICS USG 5601T	39.3	50.3	55.7	3.0	39.6	38.8	38.5	16.8	16.8	17.3
~P	TEEJAY	37.5	47.4	52.5	2.2	39.6	37.6	37.2	16.6	17.2	17.8
	DELTA KING DK5068	36.3			1.4	40.2			16.9		
~	UNISOUTH GENETICS USG 5002T	36.3	48.4	54.7	2.4	38.8	37.4	37.0	17.4	17.9	18.5
~P	JAKE	36.0	46.0		2.5	37.8	36.7		17.3	17.6	
	UNISOUTH GENETICS USG ALLEN	33.3	46.1		2.5	39.1	37.9		17.0	16.9	
	HORNBECK HBK RS5227	33.3			2.5	38.1			17.1		
~P	ESSEX (long term check-released 1974)	32.9			2.8	41.4			16.8		
	DELTA AND PINE LAND DP 5335 RR/S	32.3			2.3	39.0			17.0		
	PROGENY 5207	31.8			1.5	37.1			18.5		
	PROGENY 5407	31.0			2.5	38.6			16.1		
	DELTA KING DK5066	30.4	43.0	49.1	2.6	39.2	38.3	38.2	17.6	18.1	18.4
~NS	K03-3825 (high protein)	30.4	40.6		1.5	40.0	39.0		16.6	17.1	
	DELTA AND PINE LAND DP 5115 RR/S	27.3	39.8		1.8	39.2	38.1		17.0	17.3	
~NS	KS5007sp (low linolenic)	27.1	36.4	40.4	1.8	38.9	36.5	35.8	17.7	18.3	18.8
*	DELTA KING DK52K6	37.3	47.5		2.5	40.3	39.0		16.6	17.1	
*	PROGENY 5307	36.8			2.6	40.8			16.6		
*	UNISOUTH GENETICS USG 75J47	36.5			1.7	38.0			17.4		
*	DELTA AND PINE LAND DP 5414 RR	36.0			2.8	40.3			16.3		
*	SOUTHERN STATES RT 5160N	35.7	45.6		2.8	38.5	37.0		17.0	17.6	
*	GATEWAY 5R533	35.3			2.8	39.7			16.7		
*	STINE 5482-4	35.0			1.8	38.0			17.6		
*	DELTAGROW 4960 RR	35.0			2.8	39.5			17.3		
*	DELTAGROW 5160 RR/STS	34.7	47.9		2.7	40.7	39.2		17.5	17.8	
*	DELTA KING DK5161	34.5	44.9	49.8	2.4	37.9	36.6	36.2	17.6	18.1	18.6
*	DAIRYLAND 8530RR	34.5			2.8	38.3			16.7		
*	SOUTHERN STATES RT 5540N	33.9	44.2	49.1	2.3	40.0	38.4	37.7	16.9	17.5	18.2
*	DAIRYLAND 8509RR	33.7			2.5	39.0			17.1		
*	DELTAGROW 5300 RR	33.3			2.6	39.4			15.6		
*	DELTAGROW 5470 RR/STS	33.3			2.3	39.6			16.7		
*	DELTA KING DK5368	33.2	44.5		3.0	38.7	38.5		16.1	17.0	
*	PIONEER VARIETY 95M30	32.8	42.6		2.6	39.6	37.9		16.0	16.4	
~P	ANAND	32.8	46.3	51.1	2.4	39.0	36.9	36.5	17.8	18.2	18.5
*	DELTA KING DK5567	32.7	44.4	51.2	2.6	39.3	37.5	37.1	16.4	16.8	17.5
*	UNISOUTH GENETICS USG 75J32	32.6	45.0	50.5	2.3	40.0	38.3	37.4	15.9	16.9	17.5
*	UNISOUTH GENETICS USG 75M16	32.1	43.3		2.7	39.7	37.4		15.5	16.7	
*	CROPLAN GENETICS RC 5007 RR/STS	31.6			2.8	39.8			15.7		
*	SOUTHERN CROSS DAMASCUS 5.0 N, RR, STS	31.6	45.1		2.5	40.4	38.9		17.7	18.1	
*	PROGENY 5115	31.2			1.6	36.8			18.0		
*	DELTAGROW 5270 RR	31.1			1.9	37.4			18.5		
*	HORNBECK HBK R5226	29.1	41.4		2.9	39.0	38.4		16.5	16.9	
*	UNISOUTH GENETICS USG 7515nRS	29.1	41.8		1.9	39.8	38.8		17.5	17.8	
EXP	DELTA KING DKXTJ851	28.9			2.4	38.3			17.0		
*	DELTA KING DK5366	28.1	40.4	47.7	3.2	37.9	37.1	37.2	16.7	16.9	17.7
*	PROGENY 5107	26.7			2.1	40.4			16.2		

GROUP V AVERAGE	33.0	44.3	50.2	2.4	39.2	37.9	37.2	16.9	17.3	18.1
LSD (0.10)	3.3	3.1	2.4	0.4						
GRAND MEAN	36.9	47.6	50.0	1.8	38.0	37.5	36.6	17.4	17.8	18.0

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- ~ Variety is not Roundup Ready. All varieties without a tilde ( ~ ) prefix are Roundup Ready.
- \* Resistant to soybean cyst nematode. See Table 3. Company Disease Resistance Specifications for details.
- 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.
- EXP Entries with an EXP prefix are varieties that are still under development or soon to be released.
- 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 and 2007 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 County.  
These data were provided by the Iowa State University Grain Quality Analysis Services using near-infrared (NIR) analysis.

TABLE 4. 2007 SUMMARY: VARIETY TEST TABLES 5-7

SORTED ALPHABETICALLY

TYPE	BRAND -- VARIETY <i>sort alphabetically</i>	YIELD (BU/AC) <sup>A</sup>			LODGING	% PROTEIN <sup>B</sup>			% OIL <sup>B</sup>		
		2007	06-07	05-07		2007	06-07	05-07	2007	06-07	05-07
<b>MATURITY GROUP II-III (RELATIVE MG 2.7-3.9)</b>											
	* ASGROW AG3705	41.0	51.0		1.4	35.9	36.0		17.3	18.1	
	* ASGROW AG3603	39.5			1.2	38.0			16.9		
	* ASGROW AG3803	41.7			1.4	36.9			18.0		
	* ASGROW AG3906	39.7	49.6	51.4	1.3	36.4	36.7	36.5	18.4	19.0	19.5
EXP	* BECK 399NRR	39.8			1.3	37.7			16.2		
	* CROPLAN GENETICS RC 3935 RR	37.0	45.0	45.4	1.5	37.6	37.6	37.3	17.7	18.2	18.9
	* CROW'S C3916R	41.5			1.3	38.3			17.2		
	DAIRYLAND 8396RR/STS	36.5	48.4		1.4	39.5	38.2		16.6	17.8	
	* DYNA-GRO 35G38	40.7			1.4	38.2			18.8		
	* EBBERTS 1357RR	37.0			1.3	36.2			18.6		
	* EBBERTS 1365RR	43.1	48.6	49.2	1.5	40.0	40.1	39.5	16.5	16.8	17.3
	* EBBERTS 1378RR	40.8			1.5	38.8			16.7		
	* EBBERTS 1386RR	35.2	47.3		1.5	36.9	37.0		17.9	18.6	
~	EBBERTS 3386	38.1			1.4	37.8			17.5		
	* GATEWAY 3RS387	40.8			1.4	36.6			17.1		
	* HELENA BRAND SEED 3676	38.6	47.0	46.5	1.8	38.6	38.4	37.8	17.4	18.2	18.9
	HORNBECK HBK R3927	38.2			1.9	39.6			18.1		
NS	IA3024 (low linolenic)	37.8			1.3	34.7			19.3		
NS	IA3025 (low linolenic)	24.6			1.4	37.1			18.5		
~NS	IA3027 (large seed, high protein)	27.0	31.4		1.3	39.7	39.5		18.5	18.7	
NS	IA3030RR (low linolenic)	28.6			2.0	36.7			17.4		
NS	IA3031RR (low linolenic)	24.5			1.3	36.6			18.2		
NS	IA3032RR (low linolenic)	22.8			2.1	35.7			18.8		
NS	IA3033RR (low linolenic)	25.5			1.4	35.0			19.2		
	* MAVRICK 5284RR	36.4			1.3	38.8			19.1		
	* MAVRICK 7303RR	40.2			1.3	37.3			19.3		
	* NK BRAND S37-P5	39.7			1.4	36.2			18.4		
	* NK BRAND S38-D5	38.7			1.4	36.7			16.4		
~	NK BRAND S38T8	36.1			1.3	35.9			16.9		
	* NK BRAND S39-A3	41.4			1.5	35.7			17.7		
~	PIONEER VARIETY 93B82	36.6			1.7	37.6			18.4		
	* PIONEER VARIETY 93M42	39.1	45.9		1.3	38.5	38.4		18.4	18.3	
	* PIONEER VARIETY 93M90	36.2	47.6	49.1	1.3	37.8	37.4	36.8	17.7	18.3	18.6
	* PROGENY 3900	38.6			1.5	37.7			18.8		
~NS	* SCHILLINGER SEED 387 TCL (low linolenic)	37.0			1.2	37.3			18.9		
	* SEED CONSULTANTS SC9355RR	38.9			1.5	39.4			16.7		
	* SEED CONSULTANTS SC9386RR	37.0	47.3		1.8	37.6	38.2		17.7	18.4	
	* SEED CONSULTANTS SC9387RR	40.3	48.3		1.4	36.5	37.1		18.3	18.5	
	* SEED CONSULTANTS SC9388RR	38.3			1.3	37.6			19.0		
	* SOUTHERN CROSS LUCAS 3.8 N, RR	39.2			1.5	38.1			16.7		
	* SOUTHERN CROSS STEPHEN 3.8 N, RR	37.8	48.7	50.5	1.3	38.4	38.1	37.4	18.7	19.3	19.8
	* SOUTHERN STATES RT 3851N	34.7	45.8	47.6	1.4	37.5	36.9	36.6	17.1	17.9	18.7
	SOUTHERN STATES RT 3860	39.2	48.8		1.3	36.6	36.3		17.9	18.6	
	* SOUTHERN STATES RT 3871N	37.8			1.4	37.4			17.8		
	* SOUTHERN STATES RT 3971N	40.6			1.3	37.7			17.0		
	* UNISOUTH GENETICS USG 7393nRR	37.1	46.5	49.1	1.3	37.0	37.6	37.1	18.3	18.9	19.6
	* VIGORO V39N7RR	38.6			1.2	37.2			17.9		
NS	* VISTIVE AG2821V (low linolenic)	38.5			1.4	37.1			18.6		
NS	* VISTIVE AG2822V (low linolenic)	40.0			1.0	37.5			19.7		
NS	* VISTIVE AG2921V (low linolenic)	36.3			1.1	36.6			19.0		
NS	* VISTIVE AG3121V (low linolenic)	39.8			1.3	37.0			17.8		
NS	* VISTIVE AG3521V (low linolenic)	38.5			1.3	36.0			18.2		
	GROUP III AVERAGE	37.2	46.7	48.6	1.4	37.4	37.7	37.4	17.9	18.3	18.9
	LSD (0.10)	3.4	3.1	2.1	0.2						

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

	* ASGROW AG4103	37.3	51.2		1.4	36.5	36.4		19.0	18.8	
	* ASGROW AG4404	37.0	51.2	52.9	2.1	36.9	36.8	37.1	16.8	17.7	18.2
	* ASGROW AG4405	37.4			1.5	37.7			16.2		
	* ASGROW DKB42-51	39.2	52.7		1.3	34.6	35.2		17.3	17.8	
	* BECK 422NRR	40.9	53.1		1.4	36.9	37.0		17.7	18.5	
	* BECK 444NRR	40.4	51.4	54.1	1.8	36.0	36.0	35.8	16.8	17.8	18.6
~	* BROWN SEED MG 4317X	35.4			1.8	37.3			16.0		
	* CAVERNDAL CF 410 RR/STSn	40.9			1.4	38.1			16.0		
	* CAVERNDAL CF 422 RR/STSn	40.7	53.3		1.5	38.0	37.0		17.9	18.7	
	* CAVERNDAL CF 447 RR/STSn	42.8			1.4	36.8			18.1		
	* CROPLAN GENETICS RC 4455 RR	39.8	51.4	53.7	2.0	38.2	37.1	36.5	15.4	17.0	18.1
	* CROW'S C4142R	40.4			1.8	39.6			16.1		
	* CROW'S C4517R	38.1			1.8	37.4			16.6		
	* DAIRYLAND 8450RR	39.4	51.5		1.4	38.1	37.6		18.1	18.1	
	* DELTA KING DK4567	35.6			1.5	37.0			18.5		
	* DELTAGROW 4150 RR	38.1	52.6		1.4	38.4	37.9		16.7	17.4	
	* DELTAGROW 4460 RR	36.6	49.8		1.8	37.7	37.0		16.8	17.7	
	* DELTAGROW 4470 RR/STS	39.0			1.3	36.4			18.1		
	* DYNA-GRO 35B40	42.5			1.5	38.4			16.5		
	* DYNA-GRO 35D44	39.8			1.8	38.4			17.1		
	* DYNA-GRO 38C42	41.5			1.5	37.3			17.8		
~NS	* GATEWAY 427 (high protein)	38.0			1.8	37.3			18.2		
	* GREAT LAKES GL 4129RR	35.9	51.8		1.5	37.7	37.5		16.7	17.6	
	* GREAT LAKES GL 4519RR	39.8			1.3	38.1			17.0		
	HELENA BRAND SEED 4178	38.0			1.4	37.5			17.7		
	* HELENA BRAND SEED 4375	34.7	50.5	52.8	1.4	38.4	37.2	36.7	17.2	17.9	18.8
	* HELENA BRAND SEED 4576	37.4			1.6	36.9			16.5		
	* HORNBECK HBK R3824	33.2			2.1	37.0			17.5		
	HORNBECK HBK R4527	31.2			2.3	40.0			16.3		
	* NK BRAND S45-E5	35.6			1.7	38.7			16.4		
EXP	* NK BRAND XR4472	42.1			1.8	37.0			17.0		
	* PIONEER VARIETY 94M30	43.2	52.7	52.3	1.8	38.6	39.4	38.7	17.1	17.5	18.3
	* PIONEER VARIETY 94M50	43.8	54.1	54.2	1.5	35.5	36.5	36.8	17.5	18.1	18.8
	* PROGENY 4206	42.4			1.6	36.7			18.4		
	* PROGENY 4405	35.1			1.5	38.3			16.2		
	PROGENY 4507	38.9			1.7	37.9			17.3		
~NS	SCHILLINGER SEED 42HP (high protein)	33.1			1.3	41.8			14.2		
	* SCHILLINGER SEED 457 RCP	35.2			2.8	37.3			17.5		
	* SEED CONSULTANTS SC9399RR	41.2			1.9	38.0			18.1		
	* SEED CONSULTANTS SC9415RR	36.4	47.2	49.2	1.2	38.2	38.1	37.0	17.3	18.2	19.1
	* SEED CONSULTANTS SC9442RR	34.8	49.4		1.6	36.6	36.1		18.1	18.7	
	* SEED CONSULTANTS SC9448RR	38.2			1.1	37.1			18.5		
	* SEED CONSULTANTS SC9456RR	39.9	50.6	52.4	1.7	38.4	37.3	37.0	16.5	17.4	18.2
	* SOUTHERN CROSS CALEB 4.4 N, RR, STS	38.2			1.2	35.9			17.9		
	* SOUTHERN CROSS MICHAEL 4.2 N, RR, STS	39.3	50.8	51.6	1.3	37.3	37.3	37.1	17.3	18.2	18.8
	* SOUTHERN STATES RT 4151N	31.0	45.0	49.0	1.7	40.1	39.1	38.0	16.8	17.8	18.7
	* SOUTHERN STATES RT 4370N	34.7			1.9	36.5			17.7		
	* SOUTHERN STATES RT 4451N	39.0	50.1	54.9	1.7	36.4	36.2	35.9	17.3	17.8	18.6
	* SOUTHERN STATES RT 4470N	42.8			1.3	36.4			18.2		
	* SOUTHERN STATES RT 4551N	36.4	49.6	53.8	1.3	39.0	38.8	38.4	17.0	17.6	18.0
	* STEYER 4040 RR SCN	44.1			2.3	38.1			17.4		
	* STEYER 4430 RR SCN	41.8			1.4	36.7			18.4		
	* STINE 4392-4	40.6			1.5	36.5			17.5		
	* TRISOY 4227RR(CN)	39.2			1.3	36.6			17.8		
	* VIGORO V40N8RS	39.7			1.3	37.8			18.4		
	* VIGORO V42N7RS	38.0	51.5		1.4	37.7	37.5		18.2	18.7	
	EARLY GROUP IV AVERAGE	38.5	51.0	52.6	1.6	37.6	37.2	37.1	17.3	17.9	18.5
	LSD (0.10)	3.6	2.4	1.8	0.3						

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

* ARMOR 47-F8	41.6			1.4	37.3				18.1		
* ASGROW AG4605	35.4			1.5	37.7				18.2		
* ASGROW AG4703	40.5	49.6	53.4	1.6	38.5	37.3	37.2	16.6	17.3	18.0	
* ASGROW AG4801	35.8	46.5	51.1	1.5	38.0	37.4	37.3	17.0	18.0	18.7	
ASGROW AG4903	39.5	49.3	53.3	1.8	37.5	36.3	36.4	18.1	18.4	18.9	
* ASGROW DKB46-51	37.9	47.8	50.9	1.7	39.4	38.6	38.2	17.4	17.7	18.2	
* CAVERNDALE CF 470 RR/STSn	41.7			1.3	36.5			18.4			
* CROPLAN GENETICS RC 4757 RR	37.6			1.3	36.2			18.2			
* CROPLAN GENETICS RC 4842 RR	36.5	45.8	49.0	1.8	40.6	39.1	38.5	17.4	17.8	18.5	
* CROPLAN GENETICS RC 4955 RR	35.5	45.9	49.7	1.8	37.6	36.4	36.0	16.6	17.7	18.6	
* CROW'S C4815R	37.7	48.2	51.2	1.7	38.3	38.1	37.9	17.5	17.5	18.1	
* DAIRYLAND 8474RR	33.2			1.9	36.7			18.0			
DAIRYLAND 8482RR	39.6			2.0	38.5			17.6			
* DELTA AND PINE LAND DP 4724 RR	36.0	46.9	50.9	1.9	38.4	37.9	38.0	17.8	18.1	18.5	
DELTA AND PINE LAND DP 4888 RR/S	33.9			2.2	38.5			17.1			
DELTA AND PINE LAND DP 4919 RR/S	36.8	46.4		2.4	39.9	39.1		15.7	17.0		
* DELTA KING DK4667	34.5	45.5	49.4	2.6	36.9	36.1	36.0	17.5	17.9	18.6	
* DELTA KING DK4763	40.3	47.6	51.6	1.8	38.1	38.0	37.7	18.1	18.3	18.7	
* DELTA KING DK4866	40.3	49.1	52.0	1.8	38.3	37.1	36.4	16.6	17.3	18.1	
* DELTA KING DK4967	37.6	47.1	51.1	2.1	40.6	39.0	38.2	17.0	17.5	18.3	
DELTA KING DK4968	37.3	47.1		1.9	39.1	37.4		16.1	17.1		
EXP DELTA KING DKXTJ847	44.1			1.6	39.9			17.4			
EXP * DELTA KING DKXTJ848	37.6			2.4	39.1			17.4			
* DELTAGROW 4660 RR	33.7			1.6	38.2			17.1			
* DELTAGROW 4770 RR	40.8			2.3	39.4			17.1			
* DELTAGROW 4780 RR	36.1			1.7	36.6			18.3			
* DELTAGROW 4840 RR	38.3	46.4	50.3	2.2	38.3	37.5	36.8	15.5	17.1	17.9	
* DELTAGROW 4970 RR	35.3	47.8		1.7	39.8	38.2		16.9	17.4		
DELTAGROW 4975 LARR	38.2			1.8	38.6			16.5			
* DYNA-GRO 32R46	39.8			1.3	36.8			18.4			
* GREAT LAKES GL 4709RR	37.9	49.2		1.3	36.4	35.4		18.7	19.1		
* HELENA BRAND SEED 4875	40.7	46.9	51.2	2.3	38.4	37.6	36.9	16.2	17.0	17.7	
HORNBECK HBK R4727	38.2			1.7	36.6			17.4			
* HORNBECK HBK R4924	43.1	50.4		1.9	38.5	36.7		16.8	17.7		
EXP * JG49	37.7			2.3	39.7			16.9			
~NS KS4607 (high protein)	34.3			1.7	39.4			16.7			
* NK BRAND S49-Q9	33.9	47.0	51.5	1.8	38.9	37.5	37.4	15.3	16.6	17.3	
EXP * NK BRAND XR4674	46.8			1.3	37.5			17.7			
~P PENNYRILE (long term check-released 1987)	33.3			1.9	38.9			18.1			
* PIONEER VARIETY 94B73	44.4	51.5	53.4	2.3	37.8	37.7	37.3	18.6	18.4	18.7	
* PIONEER VARIETY 94M71	32.2			2.3	36.5			17.8			
* PIONEER VARIETY 94M80	34.4	45.5	48.8	1.9	40.9	39.1	38.7	16.6	17.4	18.1	
* PROGENY 4606	42.2			1.4	37.6			17.4			
* PROGENY 4706	39.3			2.7	38.4			17.3			
* PROGENY 4804	39.8			2.2	37.6			16.9			
* PROGENY 4807	35.5			2.3	37.1			17.3			
* PROGENY 4817	37.0			2.3	40.7			15.9			
PROGENY 4906	35.8			1.7	38.6			17.2			
PROGENY 4949	40.2			1.6	39.8			16.3			
* SCHILLINGER SEED 467 RCP	38.1			1.5	37.6			17.3			
* SCHILLINGER SEED 495 RC	40.1	48.0	51.4	1.8	39.7	38.3	38.3	16.8	17.4	17.5	
* SEED CONSULTANTS SC9468RR	39.4			1.3	35.8			18.8			
* SEED CONSULTANTS SC9478RR	35.2			1.8	36.7			17.2			
SOUTHERN CROSS ELI 4.7 N, RR, STS	41.6	52.5		1.4	35.9	35.1		19.6	19.6		
* SOUTHERN CROSS GALILEE 4.7 N, RR	39.0			2.0	37.0			18.6			
* SOUTHERN CROSS HIRAM 4.9 N, RR	37.9			2.0	36.6			16.4			
* SOUTHERN STATES RT 4760N	37.9	48.2		2.4	39.5	38.7		16.7	17.5		
* SOUTHERN STATES RT 4777N	43.8	51.2		2.3	37.5	37.2		17.7	18.2		
* SOUTHERN STATES RT 4808N	43.4	51.7	55.0	1.5	38.4	36.3	36.1	16.1	17.3	18.0	
* SOUTHERN STATES RT 4981N	36.0	45.8	49.8	1.5	38.2	37.0	36.8	17.7	18.1	18.7	

	* SOUTHERN STATES RT 4996N	38.3	48.1		2.4	38.9	37.7		17.1	18.1
	* STEYER 4710 RR SCN	39.8			1.8	37.5			18.0	
	* STINE 4782-4	40.7	51.9		1.5	37.9	36.1		19.0	19.1
EXP	TN03-12RR	30.0			1.8	38.1			17.5	
EXP	TN05-4715RR	33.4			1.6	41.3			15.6	
~NS EXP	TN05-5109 (low phytate)	27.9			2.0	38.2			18.1	
	* TRISOY 4760RR(CN)	36.8			1.4	35.7			19.0	
	* UNISOUTH GENETICS USG 7494nRR	34.5	44.9	49.6	1.8	38.0	37.4	37.2	16.4	17.4 18.2
	* UNISOUTH GENETICS USG 74A76	40.0	49.3		2.6	39.2	37.3		16.6	17.7
	* VIGORO V48N7RS	40.6			1.3	35.5			18.4	
	* VIGORO V49N6RR	41.6	51.0	54.4	1.9	39.1	37.9	37.8	16.9	17.5 17.8
	LATE GROUP IV AVERAGE	38.0	48.2	51.3	1.8	38.2	36.9	37.3	17.3	17.5 18.2
	LSD (0.10)	4.0	2.4	1.8	0.3					

#### MATURITY GROUP V

~P	* ANAND	32.8	46.3	51.1	2.4	39.0	36.9	36.5	17.8	18.2 18.5
	* CROPLAN GENETICS RC 5007 RR/STS	31.6			2.8	39.8			15.7	
	* DAIRYLAND 8509RR	33.7			2.5	39.0			17.1	
	* DAIRYLAND 8530RR	34.5			2.8	38.3			16.7	
	DELTA AND PINE LAND DP 5115 RR/S	27.3	39.8		1.8	39.2	38.1		17.0	17.3
	DELTA AND PINE LAND DP 5335 RR/S	32.3			2.3	39.0			17.0	
	* DELTA AND PINE LAND DP 5414 RR	36.0			2.8	40.3			16.3	
	DELTA KING DK5066	30.4	43.0	49.1	2.6	39.2	38.3	38.2	17.6	18.1 18.4
	DELTA KING DK5068	36.3			1.4	40.2			16.9	
	* DELTA KING DK5161	34.5	44.9	49.8	2.4	37.9	36.6	36.2	17.6	18.1 18.6
	* DELTA KING DK52K6	37.3	47.5		2.5	40.3	39.0		16.6	17.1
	* DELTA KING DK5366	28.1	40.4	47.7	3.2	37.9	37.1	37.2	16.7	16.9 17.7
	* DELTA KING DK5368	33.2	44.5		3.0	38.7	38.5		16.1	17.0
	* DELTA KING DK5567	32.7	44.4	51.2	2.6	39.3	37.5	37.1	16.4	16.8 17.5
EXP	* DELTA KING DKXTJ851	28.9			2.4	38.3			17.0	
	* DELTAGROW 4960 RR	35.0			2.8	39.5			17.3	
	* DELTAGROW 5160 RR/STS	34.7	47.9		2.7	40.7	39.2		17.5	17.8
	* DELTAGROW 5270 RR	31.1			1.9	37.4			18.5	
	* DELTAGROW 5300 RR	33.3			2.6	39.4			15.6	
	* DELTAGROW 5470 RR/STS	33.3			2.3	39.6			16.7	
~P	ESSEX (long term check-released 1974)	32.9			2.8	41.4			16.8	
	* GATEWAY 5R533	35.3			2.8	39.7			16.7	
	* HORNBECK HBK R5226	29.1	41.4		2.9	39.0	38.4		16.5	16.9
	HORNBECK HBK RS5227	33.3			2.5	38.1			17.1	
~P	JAKE	36.0	46.0		2.5	37.8	36.7		17.3	17.6
~NS	K03-3825 (high protein)	30.4	40.6		1.5	40.0	39.0		16.6	17.1
~NS	KS5007sp (low linolenic)	27.1	36.4	40.4	1.8	38.9	36.5	35.8	17.7	18.3 18.8
	* PIONEER VARIETY 95M30	32.8	42.6		2.6	39.6	37.9		16.0	16.4
	* PROGENY 5107	26.7			2.1	40.4			16.2	
	* PROGENY 5115	31.2			1.6	36.8			18.0	
	PROGENY 5207	31.8			1.5	37.1			18.5	
	* PROGENY 5307	36.8			2.6	40.8			16.6	
	PROGENY 5407	31.0			2.5	38.6			16.1	
	* SOUTHERN CROSS DAMASCUS 5.0 N, RR, STS	31.6	45.1		2.5	40.4	38.9		17.7	18.1
	* SOUTHERN STATES RT 5160N	35.7	45.6		2.8	38.5	37.0		17.0	17.6
	* SOUTHERN STATES RT 5540N	33.9	44.2	49.1	2.3	40.0	38.4	37.7	16.9	17.5 18.2
	* STINE 5482-4	35.0			1.8	38.0			17.6	
~P	TEEJAY	37.5	47.4	52.5	2.2	39.6	37.6	37.2	16.6	17.2 17.8
~	UNISOUTH GENETICS USG 5002T	36.3	48.4	54.7	2.4	38.8	37.4	37.0	17.4	17.9 18.5
~	UNISOUTH GENETICS USG 5601T	39.3	50.3	55.7	3.0	39.6	38.8	38.5	16.8	16.8 17.3
	* UNISOUTH GENETICS USG 7515nRS	29.1	41.8		1.9	39.8	38.8		17.5	17.8
	* UNISOUTH GENETICS USG 75J32	32.6	45.0	50.5	2.3	40.0	38.3	37.4	15.9	16.9 17.5
	* UNISOUTH GENETICS USG 75J47	36.5			1.7	38.0			17.4	
	* UNISOUTH GENETICS USG 75M16	32.1	43.3		2.7	39.7	37.4		15.5	16.7
	UNISOUTH GENETICS USG ALLEN	33.3	46.1		2.5	39.1	37.9		17.0	16.9



GROUP V AVERAGE	33.0	44.3	50.2	2.4	39.2	37.9	37.2	16.9	17.3	18.1
LSD (0.10)	3.3	3.1	2.4	0.4						
GRAND MEAN	36.9	47.6	50.0	1.8	38.0	37.5	36.6	17.4	17.8	18.0

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~ Variety is not Roundup Ready. All varieties without a tilde ( ~ ) prefix are Roundup Ready.

\* Resistant to soybean cyst nematode. See Table 3. Company Disease Resistance Specifications for details.

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.

EXP Entries with an EXP prefix are varieties that are still under development or soon to be released.

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 and 2007 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 County. These data were provided by the Iowa State University Grain Quality Analysis Services using near-infrared (NIR) analysis.

TABLE 4. 2007 SUMMARY: VARIETY TEST TABLES 5-7

SORTED BY 06-07 YIELD

TYPE	BRAND -- VARIETY	YIELD (BU/AC) <sup>A</sup>			LODGING	% PROTEIN <sup>B</sup>			% OIL <sup>B</sup>		
		2007	06-07	05-07		2007	06-07	05-07	2007	06-07	05-07
sort											
<b>MATURITY GROUP II-III (RELATIVE MG 2.7-3.9)</b>											
*	ASGROW AG3705	41.0	51.0		1.4	35.9	36.0		17.3	18.1	
*	ASGROW AG3906	39.7	49.6	51.4	1.3	36.4	36.7	36.5	18.4	19.0	19.5
	SOUTHERN STATES RT 3860	39.2	48.8		1.3	36.6	36.3		17.9	18.6	
*	SOUTHERN CROSS STEPHEN 3.8 N, RR	37.8	48.7	50.5	1.3	38.4	38.1	37.4	18.7	19.3	19.8
*	EBBERTS 1365RR	43.1	48.6	49.2	1.5	40.0	40.1	39.5	16.5	16.8	17.3
	DAIRYLAND 8396RR/STS	36.5	48.4		1.4	39.5	38.2		16.6	17.8	
*	SEED CONSULTANTS SC9387RR	40.3	48.3		1.4	36.5	37.1		18.3	18.5	
*	PIONEER VARIETY 93M90	36.2	47.6	49.1	1.3	37.8	37.4	36.8	17.7	18.3	18.6
*	EBBERTS 1386RR	35.2	47.3		1.5	36.9	37.0		17.9	18.6	
*	SEED CONSULTANTS SC9386RR	37.0	47.3		1.8	37.6	38.2		17.7	18.4	
*	HELENA BRAND SEED 3676	38.6	47.0	46.5	1.8	38.6	38.4	37.8	17.4	18.2	18.9
*	UNISOUTH GENETICS USG 7393nRR	37.1	46.5	49.1	1.3	37.0	37.6	37.1	18.3	18.9	19.6
*	PIONEER VARIETY 93M42	39.1	45.9		1.3	38.5	38.4		18.4	18.3	
*	SOUTHERN STATES RT 3851N	34.7	45.8	47.6	1.4	37.5	36.9	36.6	17.1	17.9	18.7
*	CROPLAN GENETICS RC 3935 RR	37.0	45.0	45.4	1.5	37.6	37.6	37.3	17.7	18.2	18.9
~NS	IA3027 (large seed, high protein)	27.0	31.4		1.3	39.7	39.5		18.5	18.7	
*	ASGROW AG3803	41.7			1.4	36.9			18.0		
*	CROW'S C3916R	41.5			1.3	38.3			17.2		
*	NK BRAND S39-A3	41.4			1.5	35.7			17.7		
*	GATEWAY 3RS387	40.8			1.4	36.6			17.1		
*	EBBERTS 1378RR	40.8			1.5	38.8			16.7		
*	DYNA-GRO 35G38	40.7			1.4	38.2			18.8		
*	SOUTHERN STATES RT 3971N	40.6			1.3	37.7			17.0		
*	MAVRICK 7303RR	40.2			1.3	37.3			19.3		
NS	* VISTIVE AG2822V (low linolenic)	40.0			1.0	37.5			19.7		
EXP	* BECK 399NRR	39.8			1.3	37.7			16.2		
NS	* VISTIVE AG3121V (low linolenic)	39.8			1.3	37.0			17.8		
*	NK BRAND S37-P5	39.7			1.4	36.2			18.4		
*	ASGROW AG3603	39.5			1.2	38.0			16.9		
*	SOUTHERN CROSS LUCAS 3.8 N, RR	39.2			1.5	38.1			16.7		
*	SEED CONSULTANTS SC9355RR	38.9			1.5	39.4			16.7		
*	NK BRAND S38-D5	38.7			1.4	36.7			16.4		
*	VIGORO V39N7RR	38.6			1.2	37.2			17.9		
*	PROGENY 3900	38.6			1.5	37.7			18.8		
NS	* VISTIVE AG3521V (low linolenic)	38.5			1.3	36.0			18.2		
NS	* VISTIVE AG2821V (low linolenic)	38.5			1.4	37.1			18.6		
*	SEED CONSULTANTS SC9388RR	38.3			1.3	37.6			19.0		
	HORNBECK HBK R3927	38.2			1.9	39.6			18.1		
~	EBBERTS 3386	38.1			1.4	37.8			17.5		
NS	IA3024 (low linolenic)	37.8			1.3	34.7			19.3		
*	SOUTHERN STATES RT 3871N	37.8			1.4	37.4			17.8		
*	EBBERTS 1357RR	37.0			1.3	36.2			18.6		
~NS	* SCHILLINGER SEED 387 TCL (low linolenic)	37.0			1.2	37.3			18.9		
~	PIONEER VARIETY 93B82	36.6			1.7	37.6			18.4		
*	MAVRICK 5284RR	36.4			1.3	38.8			19.1		
NS	* VISTIVE AG2921V (low linolenic)	36.3			1.1	36.6			19.0		
~	NK BRAND S38T8	36.1			1.3	35.9			16.9		
NS	IA3030RR (low linolenic)	28.6			2.0	36.7			17.4		
NS	IA3033RR (low linolenic)	25.5			1.4	35.0			19.2		
NS	IA3025 (low linolenic)	24.6			1.4	37.1			18.5		
NS	IA3031RR (low linolenic)	24.5			1.3	36.6			18.2		
NS	IA3032RR (low linolenic)	22.8			2.1	35.7			18.8		
	GROUP III AVERAGE	37.2	46.7	48.6	1.4	37.4	37.7	37.4	17.9	18.3	18.9
	LSD (0.10)	3.4	3.1	2.1	0.2						

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

	* PIONEER VARIETY 94M50	43.8	54.1	54.2	1.5	35.5	36.5	36.8	17.5	18.1	18.8
	* CAVERNDAL CF 422 RR/STSn	40.7	53.3		1.5	38.0	37.0		17.9	18.7	
	* BECK 422NRR	40.9	53.1		1.4	36.9	37.0		17.7	18.5	
	* PIONEER VARIETY 94M30	43.2	52.7	52.3	1.8	38.6	39.4	38.7	17.1	17.5	18.3
	* ASGROW DKB42-51	39.2	52.7		1.3	34.6	35.2		17.3	17.8	
	* DELTAGROW 4150 RR	38.1	52.6		1.4	38.4	37.9		16.7	17.4	
	* GREAT LAKES GL 4129RR	35.9	51.8		1.5	37.7	37.5		16.7	17.6	
	* VIGORO V42N7RS	38.0	51.5		1.4	37.7	37.5		18.2	18.7	
	* DAIRYLAND 8450RR	39.4	51.5		1.4	38.1	37.6		18.1	18.1	
	* CROPLAN GENETICS RC 4455 RR	39.8	51.4	53.7	2.0	38.2	37.1	36.5	15.4	17.0	18.1
	* BECK 444NRR	40.4	51.4	54.1	1.8	36.0	36.0	35.8	16.8	17.8	18.6
	* ASGROW AG4103	37.3	51.2		1.4	36.5	36.4		19.0	18.8	
	* ASGROW AG4404	37.0	51.2	52.9	2.1	36.9	36.8	37.1	16.8	17.7	18.2
	* SOUTHERN CROSS MICHAEL 4.2 N, RR, STS	39.3	50.8	51.6	1.3	37.3	37.3	37.1	17.3	18.2	18.8
	* SEED CONSULTANTS SC9456RR	39.9	50.6	52.4	1.7	38.4	37.3	37.0	16.5	17.4	18.2
	* HELENA BRAND SEED 4375	34.7	50.5	52.8	1.4	38.4	37.2	36.7	17.2	17.9	18.8
	* SOUTHERN STATES RT 4451N	39.0	50.1	54.9	1.7	36.4	36.2	35.9	17.3	17.8	18.6
	* DELTAGROW 4460 RR	36.6	49.8		1.8	37.7	37.0		16.8	17.7	
	* SOUTHERN STATES RT 4551N	36.4	49.6	53.8	1.3	39.0	38.8	38.4	17.0	17.6	18.0
	* SEED CONSULTANTS SC9442RR	34.8	49.4		1.6	36.6	36.1		18.1	18.7	
	* SEED CONSULTANTS SC9415RR	36.4	47.2	49.2	1.2	38.2	38.1	37.0	17.3	18.2	19.1
	* SOUTHERN STATES RT 4151N	31.0	45.0	49.0	1.7	40.1	39.1	38.0	16.8	17.8	18.7
	* STEYER 4040 RR SCN	44.1			2.3	38.1			17.4		
	* CAVERNDAL CF 447 RR/STSn	42.8			1.4	36.8			18.1		
	* SOUTHERN STATES RT 4470N	42.8			1.3	36.4			18.2		
	* DYNA-GRO 35B40	42.5			1.5	38.4			16.5		
	* PROGENY 4206	42.4			1.6	36.7			18.4		
EXP	* NK BRAND XR4472	42.1			1.8	37.0			17.0		
	* STEYER 4430 RR SCN	41.8			1.4	36.7			18.4		
	* DYNA-GRO 38C42	41.5			1.5	37.3			17.8		
	* SEED CONSULTANTS SC9399RR	41.2			1.9	38.0			18.1		
	* CAVERNDAL CF 410 RR/STSn	40.9			1.4	38.1			16.0		
	* STINE 4392-4	40.6			1.5	36.5			17.5		
	* CROW'S C4142R	40.4			1.8	39.6			16.1		
	* GREAT LAKES GL 4519RR	39.8			1.3	38.1			17.0		
	* DYNA-GRO 35D44	39.8			1.8	38.4			17.1		
	* VIGORO V40N8RS	39.7			1.3	37.8			18.4		
	* TRISOY 4227RR(CN)	39.2			1.3	36.6			17.8		
	* DELTAGROW 4470 RR/STS	39.0			1.3	36.4			18.1		
	PROGENY 4507	38.9			1.7	37.9			17.3		
	* SOUTHERN CROSS CALEB 4.4 N, RR, STS	38.2			1.2	35.9			17.9		
	* SEED CONSULTANTS SC9448RR	38.2			1.1	37.1			18.5		
	* CROW'S C4517R	38.1			1.8	37.4			16.6		
~NS	* GATEWAY 427 (high protein)	38.0			1.8	37.3			18.2		
	HELENA BRAND SEED 4178	38.0			1.4	37.5			17.7		
	* HELENA BRAND SEED 4576	37.4			1.6	36.9			16.5		
	* ASGROW AG4405	37.4			1.5	37.7			16.2		
	* NK BRAND S45-E5	35.6			1.7	38.7			16.4		
	* DELTA KING DK4567	35.6			1.5	37.0			18.5		
~	* BROWN SEED MG 4317X	35.4			1.8	37.3			16.0		
	* SCHILLINGER SEED 457 RCP	35.2			2.8	37.3			17.5		
	* PROGENY 4405	35.1			1.5	38.3			16.2		
	* SOUTHERN STATES RT 4370N	34.7			1.9	36.5			17.7		
	* HORNBECK HBK R3824	33.2			2.1	37.0			17.5		
~NS	SCHILLINGER SEED 42HP (high protein)	33.1			1.3	41.8			14.2		
	HORNBECK HBK R4527	31.2			2.3	40.0			16.3		
	EARLY GROUP IV AVERAGE	38.5	51.0	52.6	1.6	37.6	37.2	37.1	17.3	17.9	18.5
	LSD (0.10)	3.6	2.4	1.8	0.3						

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

	SOUTHERN CROSS ELI 4.7 N, RR, STS	41.6	52.5		1.4	35.9	35.1		19.6	19.6	
	* STINE 4782-4	40.7	51.9		1.5	37.9	36.1		19.0	19.1	
	* SOUTHERN STATES RT 4808N	43.4	51.7	55.0	1.5	38.4	36.3	36.1	16.1	17.3	18.0
	* PIONEER VARIETY 94B73	44.4	51.5	53.4	2.3	37.8	37.7	37.3	18.6	18.4	18.7
	* SOUTHERN STATES RT 4777N	43.8	51.2		2.3	37.5	37.2		17.7	18.2	
	* VIGORO V49N6RR	41.6	51.0		1.9	39.1	37.9	37.8	16.9	17.5	17.8
	* HORNBECK HBK R4924	43.1	50.4		1.9	38.5	36.7		16.8	17.7	
	* ASGROW AG4703	40.5	49.6	53.4	1.6	38.5	37.3	37.2	16.6	17.3	18.0
	* UNISOUTH GENETICS USG 74A76	40.0	49.3		2.6	39.2	37.3		16.6	17.7	
	ASGROW AG4903	39.5	49.3	53.3	1.8	37.5	36.3	36.4	18.1	18.4	18.9
	* GREAT LAKES GL 4709RR	37.9	49.2		1.3	36.4	35.4		18.7	19.1	
	* DELTA KING DK4866	40.3	49.1	52.0	1.8	38.3	37.1	36.4	16.6	17.3	18.1
	* SOUTHERN STATES RT 4760N	37.9	48.2		2.4	39.5	38.7		16.7	17.5	
	* CROW'S C4815R	37.7	48.2	51.2	1.7	38.3	38.1	37.9	17.5	17.5	18.1
	* SOUTHERN STATES RT 4996N	38.3	48.1		2.4	38.9	37.7		17.1	18.1	
	* SCHILLINGER SEED 495 RC	40.1	48.0	51.4	1.8	39.7	38.3	38.3	16.8	17.4	17.5
	* DELTAGROW 4970 RR	35.3	47.8		1.7	39.8	38.2		16.9	17.4	
	* ASGROW DKB46-51	37.9	47.8	50.9	1.7	39.4	38.6	38.2	17.4	17.7	18.2
	* DELTA KING DK4763	40.3	47.6	51.6	1.8	38.1	38.0	37.7	18.1	18.3	18.7
	* DELTA KING DK4967	37.6	47.1	51.1	2.1	40.6	39.0	38.2	17.0	17.5	18.3
	DELTA KING DK4968	37.3	47.1		1.9	39.1	37.4		16.1	17.1	
	* NK BRAND S49-Q9	33.9	47.0	51.5	1.8	38.9	37.5	37.4	15.3	16.6	17.3
	* DELTA AND PINE LAND DP 4724 RR	36.0	46.9	50.9	1.9	38.4	37.9	38.0	17.8	18.1	18.5
	* HELENA BRAND SEED 4875	40.7	46.9	51.2	2.3	38.4	37.6	36.9	16.2	17.0	17.7
	* ASGROW AG4801	35.8	46.5	51.1	1.5	38.0	37.4	37.3	17.0	18.0	18.7
	DELTA AND PINE LAND DP 4919 RR/S	36.8	46.4		2.4	39.9	39.1		15.7	17.0	
	* DELTAGROW 4840 RR	38.3	46.4	50.3	2.2	38.3	37.5	36.8	15.5	17.1	17.9
	* CROPLAN GENETICS RC 4955 RR	35.5	45.9	49.7	1.8	37.6	36.4	36.0	16.6	17.7	18.6
	* SOUTHERN STATES RT 4981N	36.0	45.8	49.8	1.5	38.2	37.0	36.8	17.7	18.1	18.7
	* CROPLAN GENETICS RC 4842 RR	36.5	45.8	49.0	1.8	40.6	39.1	38.5	17.4	17.8	18.5
	* PIONEER VARIETY 94M80	34.4	45.5	48.8	1.9	40.9	39.1	38.7	16.6	17.4	18.1
	* DELTA KING DK4667	34.5	45.5	49.4	2.6	36.9	36.1	36.0	17.5	17.9	18.6
	* UNISOUTH GENETICS USG 7494nRR	34.5	44.9	49.6	1.8	38.0	37.4	37.2	16.4	17.4	18.2
EXP	* NK BRAND XR4674		46.8		1.3	37.5			17.7		
EXP	DELTA KING DKXTJ847		44.1		1.6	39.9			17.4		
	* PROGENY 4606		42.2		1.4	37.6			17.4		
	* CAVERNDAL CF 470 RR/STSn		41.7		1.3	36.5			18.4		
	* ARMOR 47-F8		41.6		1.4	37.3			18.1		
	* DELTAGROW 4770 RR		40.8		2.3	39.4			17.1		
	* VIGORO V48N7RS		40.6		1.3	35.5			18.4		
	PROGENY 4949		40.2		1.6	39.8			16.3		
	* DYNA-GRO 32R46		39.8		1.3	36.8			18.4		
	* STEYER 4710 RR SCN		39.8		1.8	37.5			18.0		
	* PROGENY 4804		39.8		2.2	37.6			16.9		
	DAIRYLAND 8482RR		39.6		2.0	38.5			17.6		
	* SEED CONSULTANTS SC9468RR		39.4		1.3	35.8			18.8		
	* PROGENY 4706		39.3		2.7	38.4			17.3		
	* SOUTHERN CROSS GALILEE 4.7 N, RR		39.0		2.0	37.0			18.6		
	DELTAGROW 4975 LARR		38.2		1.8	38.6			16.5		
	HORNBECK HBK R4727		38.2		1.7	36.6			17.4		
	* SCHILLINGER SEED 467 RCP		38.1		1.5	37.6			17.3		
	* SOUTHERN CROSS HIRAM 4.9 N, RR		37.9		2.0	36.6			16.4		
EXP	* JG49		37.7		2.3	39.7			16.9		
EXP	* DELTA KING DKXTJ848		37.6		2.4	39.1			17.4		
	* CROPLAN GENETICS RC 4757 RR		37.6		1.3	36.2			18.2		
	* PROGENY 4817		37.0		2.3	40.7			15.9		
	* TRISOY 4760RR(CN)		36.8		1.4	35.7			19.0		
	* DELTAGROW 4780 RR		36.1		1.7	36.6			18.3		
	PROGENY 4906		35.8		1.7	38.6			17.2		
	* PROGENY 4807		35.5		2.3	37.1			17.3		

	* ASGROW AG4605	35.4			1.5	37.7			18.2		
	* SEED CONSULTANTS SC9478RR	35.2			1.8	36.7			17.2		
~NS	KS4607 (high protein)	34.3			1.7	39.4			16.7		
	DELTA AND PINE LAND DP 4888 RR/S	33.9			2.2	38.5			17.1		
	* DELTAGROW 4660 RR	33.7			1.6	38.2			17.1		
EXP	TN05-4715RR	33.4			1.6	41.3			15.6		
~P	PENNYRILE (long term check-released 1987)	33.3			1.9	38.9			18.1		
	* DAIRYLAND 8474RR	33.2			1.9	36.7			18.0		
	* PIONEER VARIETY 94M71	32.2			2.3	36.5			17.8		
EXP	TN03-12RR	30.0			1.8	38.1			17.5		
~NS EXP	TN05-5109 (low phytate)	27.9			2.0	38.2			18.1		
	LATE GROUP IV AVERAGE	38.0	48.2	51.3	1.8	38.2	36.9	37.3	17.3	17.5	18.2
	LSD (0.10)	4.0	2.4	1.8	0.3						

#### MATURITY GROUP V

~	UNISOUTH GENETICS USG 5601T	39.3	50.3	55.7	3.0	39.6	38.8	38.5	16.8	16.8	17.3
~	UNISOUTH GENETICS USG 5002T	36.3	48.4	54.7	2.4	38.8	37.4	37.0	17.4	17.9	18.5
	* DELTAGROW 5160 RR/STS	34.7	47.9		2.7	40.7	39.2		17.5	17.8	
	* DELTA KING DK52K6	37.3	47.5		2.5	40.3	39.0		16.6	17.1	
~P	TEEJAY	37.5	47.4	52.5	2.2	39.6	37.6	37.2	16.6	17.2	17.8
~P	* ANAND	32.8	46.3	51.1	2.4	39.0	36.9	36.5	17.8	18.2	18.5
	UNISOUTH GENETICS USG ALLEN	33.3	46.1		2.5	39.1	37.9		17.0	16.9	
~P	JAKE	36.0	46.0		2.5	37.8	36.7		17.3	17.6	
	* SOUTHERN STATES RT 5160N	35.7	45.6		2.8	38.5	37.0		17.0	17.6	
	* SOUTHERN CROSS DAMASCUS 5.0 N, RR, STS	31.6	45.1		2.5	40.4	38.9		17.7	18.1	
	* UNISOUTH GENETICS USG 75J32	32.6	45.0	50.5	2.3	40.0	38.3	37.4	15.9	16.9	17.5
	* DELTA KING DK5161	34.5	44.9	49.8	2.4	37.9	36.6	36.2	17.6	18.1	18.6
	* DELTA KING DK5368	33.2	44.5		3.0	38.7	38.5		16.1	17.0	
	* DELTA KING DK5567	32.7	44.4	51.2	2.6	39.3	37.5	37.1	16.4	16.8	17.5
	* SOUTHERN STATES RT 5540N	33.9	44.2	49.1	2.3	40.0	38.4	37.7	16.9	17.5	18.2
	* UNISOUTH GENETICS USG 75M16	32.1	43.3		2.7	39.7	37.4		15.5	16.7	
	DELTA KING DK5066	30.4	43.0	49.1	2.6	39.2	38.3	38.2	17.6	18.1	18.4
	* PIONEER VARIETY 95M30	32.8	42.6		2.6	39.6	37.9		16.0	16.4	
	* UNISOUTH GENETICS USG 7515hRS	29.1	41.8		1.9	39.8	38.8		17.5	17.8	
	* HORNBECK HBK R5226	29.1	41.4		2.9	39.0	38.4		16.5	16.9	
~NS	K03-3825 (high protein)	30.4	40.6		1.5	40.0	39.0		16.6	17.1	
	* DELTA KING DK5366	28.1	40.4	47.7	3.2	37.9	37.1	37.2	16.7	16.9	17.7
	DELTA AND PINE LAND DP 5115 RR/S	27.3	39.8		1.8	39.2	38.1		17.0	17.3	
~NS	KS5007sp (low linolenic)	27.1	36.4	40.4	1.8	38.9	36.5	35.8	17.7	18.3	18.8
	* PROGENY 5307	36.8			2.6	40.8			16.6		
	* UNISOUTH GENETICS USG 75J47	36.5			1.7	38.0			17.4		
	DELTA KING DK5068	36.3			1.4	40.2			16.9		
	* DELTA AND PINE LAND DP 5414 RR	36.0			2.8	40.3			16.3		
	* GATEWAY 5R533	35.3			2.8	39.7			16.7		
	* STINE 5482-4	35.0			1.8	38.0			17.6		
	* DELTAGROW 4960 RR	35.0			2.8	39.5			17.3		
	* DAIRYLAND 8530RR	34.5			2.8	38.3			16.7		
	* DAIRYLAND 8509RR	33.7			2.5	39.0			17.1		
	* DELTAGROW 5300 RR	33.3			2.6	39.4			15.6		
	* DELTAGROW 5470 RR/STS	33.3			2.3	39.6			16.7		
	HORNBECK HBK RS5227	33.3			2.5	38.1			17.1		
~P	ESSEX (long term check-released 1974)	32.9			2.8	41.4			16.8		
	DELTA AND PINE LAND DP 5335 RR/S	32.3			2.3	39.0			17.0		
	PROGENY 5207	31.8			1.5	37.1			18.5		
	* CROPLAN GENETICS RC 5007 RR/STS	31.6			2.8	39.8			15.7		
	* PROGENY 5115	31.2			1.6	36.8			18.0		
	* DELTAGROW 5270 RR	31.1			1.9	37.4			18.5		
	PROGENY 5407	31.0			2.5	38.6			16.1		
EXP	* DELTA KING DKXTJ851	28.9			2.4	38.3			17.0		
	* PROGENY 5107	26.7			2.1	40.4			16.2		

GROUP V AVERAGE	33.0	44.3	50.2	2.4	39.2	37.9	37.2	16.9	17.3	18.1
LSD (0.10)	3.3	3.1	2.4	0.4						
GRAND MEAN	36.9	47.6	50.0	1.8	38.0	37.5	36.6	17.4	17.8	18.0

~ Variety is not Roundup Ready. All varieties without a tilde ( ~ ) prefix are Roundup Ready.

\* Resistant to soybean cyst nematode. See Table 3. Company Disease Resistance Specifications for details.

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.

EXP Entries with an EXP prefix are varieties that are still under development or soon to be released.

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 and 2007 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 County. These data were provided by the Iowa State University Grain Quality Analysis Services using near-infrared (NIR) analysis.

TABLE 4. 2007 SUMMARY: VARIETY TEST TABLES 5-7

SORTED BY 05-07 YIELD

TYPE	BRAND -- VARIETY	YIELD (BU/AC) <sup>A</sup>			LODGING	% PROTEIN <sup>B</sup>			% OIL <sup>B</sup>		
		2007	06-07	05-07		2007	06-07	05-07	2007	06-07	05-07
<a href="#">sort</a>											
<b>MATURITY GROUP II-III (RELATIVE MG 2.7-3.9)</b>											
	* ASGROW AG3906	39.7	49.6	51.4	1.3	36.4	36.7	36.5	18.4	19.0	19.5
	* SOUTHERN CROSS STEPHEN 3.8 N, RR	37.8	48.7	50.5	1.3	38.4	38.1	37.4	18.7	19.3	19.8
	* EBBERTS 1365RR	43.1	48.6	49.2	1.5	40.0	40.1	39.5	16.5	16.8	17.3
	* UNISOUTH GENETICS USG 7393nRR	37.1	46.5	49.1	1.3	37.0	37.6	37.1	18.3	18.9	19.6
	* PIONEER VARIETY 93M90	36.2	47.6	49.1	1.3	37.8	37.4	36.8	17.7	18.3	18.6
	* SOUTHERN STATES RT 3851N	34.7	45.8	47.6	1.4	37.5	36.9	36.6	17.1	17.9	18.7
	* HELENA BRAND SEED 3676	38.6	47.0	46.5	1.8	38.6	38.4	37.8	17.4	18.2	18.9
	* CROPLAN GENETICS RC 3935 RR	37.0	45.0	45.4	1.5	37.6	37.6	37.3	17.7	18.2	18.9
	* ASGROW AG3803	41.7			1.4	36.9			18.0		
	* CROW'S C3916R	41.5			1.3	38.3			17.2		
	* NK BRAND S39-A3	41.4			1.5	35.7			17.7		
	* ASGROW AG3705	41.0	51.0		1.4	35.9	36.0		17.3	18.1	
	* GATEWAY 3RS387	40.8			1.4	36.6			17.1		
	* EBBERTS 1378RR	40.8			1.5	38.8			16.7		
	* DYNA-GRO 35G38	40.7			1.4	38.2			18.8		
	* SOUTHERN STATES RT 3971N	40.6			1.3	37.7			17.0		
	* SEED CONSULTANTS SC9387RR	40.3	48.3		1.4	36.5	37.1		18.3	18.5	
	* MAVRICK 7303RR	40.2			1.3	37.3			19.3		
NS	* VISTIVE AG2822V (low linolenic)	40.0			1.0	37.5			19.7		
EXP	* BECK 399NRR	39.8			1.3	37.7			16.2		
NS	* VISTIVE AG3121V (low linolenic)	39.8			1.3	37.0			17.8		
	* NK BRAND S37-P5	39.7			1.4	36.2			18.4		
	* ASGROW AG3603	39.5			1.2	38.0			16.9		
	SOUTHERN STATES RT 3860	39.2	48.8		1.3	36.6	36.3		17.9	18.6	
	* SOUTHERN CROSS LUCAS 3.8 N, RR	39.2			1.5	38.1			16.7		
	* PIONEER VARIETY 93M42	39.1	45.9		1.3	38.5	38.4		18.4	18.3	
	* SEED CONSULTANTS SC9355RR	38.9			1.5	39.4			16.7		
	* NK BRAND S38-D5	38.7			1.4	36.7			16.4		
	* VIGORO V39N7RR	38.6			1.2	37.2			17.9		
	* PROGENY 3900	38.6			1.5	37.7			18.8		
NS	* VISTIVE AG3521V (low linolenic)	38.5			1.3	36.0			18.2		
NS	* VISTIVE AG2821V (low linolenic)	38.5			1.4	37.1			18.6		
	* SEED CONSULTANTS SC9388RR	38.3			1.3	37.6			19.0		
	HORNBECK HBK R3927	38.2			1.9	39.6			18.1		
~	EBBERTS 3386	38.1			1.4	37.8			17.5		
NS	IA3024 (low linolenic)	37.8			1.3	34.7			19.3		
	* SOUTHERN STATES RT 3871N	37.8			1.4	37.4			17.8		
	* EBBERTS 1357RR	37.0			1.3	36.2			18.6		
	* SEED CONSULTANTS SC9386RR	37.0	47.3		1.8	37.6	38.2		17.7	18.4	
~NS	* SCHILLINGER SEED 387 TCL (low linolenic)	37.0			1.2	37.3			18.9		
~	PIONEER VARIETY 93B82	36.6			1.7	37.6			18.4		
	DAIRYLAND 8396RR/STS	36.5	48.4		1.4	39.5	38.2		16.6	17.8	
	* MAVRICK 5284RR	36.4			1.3	38.8			19.1		
NS	* VISTIVE AG2921V (low linolenic)	36.3			1.1	36.6			19.0		
~	NK BRAND S38T8	36.1			1.3	35.9			16.9		
	* EBBERTS 1386RR	35.2	47.3		1.5	36.9	37.0		17.9	18.6	
NS	IA3030RR (low linolenic)	28.6			2.0	36.7			17.4		
~NS	IA3027 (large seed, high protein)	27.0	31.4		1.3	39.7	39.5		18.5	18.7	
NS	IA3033RR (low linolenic)	25.5			1.4	35.0			19.2		
NS	IA3025 (low linolenic)	24.6			1.4	37.1			18.5		
NS	IA3031RR (low linolenic)	24.5			1.3	36.6			18.2		
NS	IA3032RR (low linolenic)	22.8			2.1	35.7			18.8		
	GROUP III AVERAGE	37.2	46.7	48.6	1.4	37.4	37.7	37.4	17.9	18.3	18.9
	LSD (0.10)	3.4	3.1	2.1	0.2						

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

	* SOUTHERN STATES RT 4451N	39.0	50.1	54.9	1.7	36.4	36.2	35.9	17.3	17.8	18.6
	* PIONEER VARIETY 94M50	43.8	54.1	54.2	1.5	35.5	36.5	36.8	17.5	18.1	18.8
	* BECK 444NRR	40.4	51.4	54.1	1.8	36.0	36.0	35.8	16.8	17.8	18.6
	* SOUTHERN STATES RT 4551N	36.4	49.6	53.8	1.3	39.0	38.8	38.4	17.0	17.6	18.0
	* CROPLAN GENETICS RC 4455 RR	39.8	51.4	53.7	2.0	38.2	37.1	36.5	15.4	17.0	18.1
	* ASGROW AG4404	37.0	51.2	52.9	2.1	36.9	36.8	37.1	16.8	17.7	18.2
	* HELENA BRAND SEED 4375	34.7	50.5	52.8	1.4	38.4	37.2	36.7	17.2	17.9	18.8
	* SEED CONSULTANTS SC9456RR	39.9	50.6	52.4	1.7	38.4	37.3	37.0	16.5	17.4	18.2
	* PIONEER VARIETY 94M30	43.2	52.7	52.3	1.8	38.6	39.4	38.7	17.1	17.5	18.3
	* SOUTHERN CROSS MICHAEL 4.2 N, RR, STS	39.3	50.8	51.6	1.3	37.3	37.3	37.1	17.3	18.2	18.8
	* SEED CONSULTANTS SC9415RR	36.4	47.2	49.2	1.2	38.2	38.1	37.0	17.3	18.2	19.1
	* SOUTHERN STATES RT 4151N	31.0	45.0	49.0	1.7	40.1	39.1	38.0	16.8	17.8	18.7
	* STEYER 4040 RR SCN	44.1			2.3	38.1			17.4		
	* CAVERNDAL CF 447 RR/STSn	42.8			1.4	36.8			18.1		
	* SOUTHERN STATES RT 4470N	42.8			1.3	36.4			18.2		
	* DYNA-GRO 35B40	42.5			1.5	38.4			16.5		
	* PROGENY 4206	42.4			1.6	36.7			18.4		
EXP	* NK BRAND XR4472	42.1			1.8	37.0			17.0		
	* STEYER 4430 RR SCN	41.8			1.4	36.7			18.4		
	* DYNA-GRO 38C42	41.5			1.5	37.3			17.8		
	* SEED CONSULTANTS SC9399RR	41.2			1.9	38.0			18.1		
	* CAVERNDAL CF 410 RR/STSn	40.9			1.4	38.1			16.0		
	* BECK 422NRR	40.9	53.1		1.4	36.9	37.0		17.7	18.5	
	* CAVERNDAL CF 422 RR/STSn	40.7	53.3		1.5	38.0	37.0		17.9	18.7	
	* STINE 4392-4	40.6			1.5	36.5			17.5		
	* CROW'S C4142R	40.4			1.8	39.6			16.1		
	* GREAT LAKES GL 4519RR	39.8			1.3	38.1			17.0		
	* DYNA-GRO 35D44	39.8			1.8	38.4			17.1		
	* VIGORO V40N8RS	39.7			1.3	37.8			18.4		
	* DAIRYLAND 8450RR	39.4	51.5		1.4	38.1	37.6		18.1	18.1	
	* ASGROW DKB42-51	39.2	52.7		1.3	34.6	35.2		17.3	17.8	
	* TRISOY 4227RR(CN)	39.2			1.3	36.6			17.8		
	* DELTAGROW 4470 RR/STS	39.0			1.3	36.4			18.1		
	PROGENY 4507	38.9			1.7	37.9			17.3		
	* SOUTHERN CROSS CALEB 4.4 N, RR, STS	38.2			1.2	35.9			17.9		
	* SEED CONSULTANTS SC9448RR	38.2			1.1	37.1			18.5		
	* CROW'S C4517R	38.1			1.8	37.4			16.6		
	* DELTAGROW 4150 RR	38.1	52.6		1.4	38.4	37.9		16.7	17.4	
~NS	* GATEWAY 427 (high protein)	38.0			1.8	37.3			18.2		
	HELENA BRAND SEED 4178	38.0			1.4	37.5			17.7		
	* VIGORO V42N7RS	38.0	51.5		1.4	37.7	37.5		18.2	18.7	
	* HELENA BRAND SEED 4576	37.4			1.6	36.9			16.5		
	* ASGROW AG4405	37.4			1.5	37.7			16.2		
	* ASGROW AG4103	37.3	51.2		1.4	36.5	36.4		19.0	18.8	
	* DELTAGROW 4460 RR	36.6	49.8		1.8	37.7	37.0		16.8	17.7	
	* GREAT LAKES GL 4129RR	35.9	51.8		1.5	37.7	37.5		16.7	17.6	
	* NK BRAND S45-E5	35.6			1.7	38.7			16.4		
	* DELTA KING DK4567	35.6			1.5	37.0			18.5		
~	* BROWN SEED MG 4317X	35.4			1.8	37.3			16.0		
	* SCHILLINGER SEED 457 RCP	35.2			2.8	37.3			17.5		
	* PROGENY 4405	35.1			1.5	38.3			16.2		
	* SEED CONSULTANTS SC9442RR	34.8	49.4		1.6	36.6	36.1		18.1	18.7	
	* SOUTHERN STATES RT 4370N	34.7			1.9	36.5			17.7		
	* HORNBECK HBK R3824	33.2			2.1	37.0			17.5		
~NS	SCHILLINGER SEED 42HP (high protein)	33.1			1.3	41.8			14.2		
	HORNBECK HBK R4527	31.2			2.3	40.0			16.3		
	EARLY GROUP IV AVERAGE	38.5	51.0	52.6	1.6	37.6	37.2	37.1	17.3	17.9	18.5
	LSD (0.10)	3.6	2.4	1.8	0.3						



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

	* SOUTHERN STATES RT 4808N	43.4	51.7	55.0	1.5	38.4	36.3	36.1	16.1	17.3	18.0
	* VIGORO V49N6RR	41.6	51.0	54.4	1.9	39.1	37.9	37.8	16.9	17.5	17.8
	* PIONEER VARIETY 94B73	44.4	51.5	53.4	2.3	37.8	37.7	37.3	18.6	18.4	18.7
	* ASGROW AG4703	40.5	49.6	53.4	1.6	38.5	37.3	37.2	16.6	17.3	18.0
	ASGROW AG4903	39.5	49.3	53.3	1.8	37.5	36.3	36.4	18.1	18.4	18.9
	* DELTA KING DK4866	40.3	49.1	52.0	1.8	38.3	37.1	36.4	16.6	17.3	18.1
	* DELTA KING DK4763	40.3	47.6	51.6	1.8	38.1	38.0	37.7	18.1	18.3	18.7
	* NK BRAND S49-Q9	33.9	47.0	51.5	1.8	38.9	37.5	37.4	15.3	16.6	17.3
	* SCHILLINGER SEED 495 RC	40.1	48.0	51.4	1.8	39.7	38.3	38.3	16.8	17.4	17.5
	* CROW'S C4815R	37.7	48.2	51.2	1.7	38.3	38.1	37.9	17.5	17.5	18.1
	* HELENA BRAND SEED 4875	40.7	46.9	51.2	2.3	38.4	37.6	36.9	16.2	17.0	17.7
	* DELTA KING DK4967	37.6	47.1	51.1	2.1	40.6	39.0	38.2	17.0	17.5	18.3
	* ASGROW AG4801	35.8	46.5	51.1	1.5	38.0	37.4	37.3	17.0	18.0	18.7
	* DELTA AND PINE LAND DP 4724 RR	36.0	46.9	50.9	1.9	38.4	37.9	38.0	17.8	18.1	18.5
	* ASGROW DKB46-51	37.9	47.8	50.9	1.7	39.4	38.6	38.2	17.4	17.7	18.2
	* DELTAGROW 4840 RR	38.3	46.4	50.3	2.2	38.3	37.5	36.8	15.5	17.1	17.9
	* SOUTHERN STATES RT 4981N	36.0	45.8	49.8	1.5	38.2	37.0	36.8	17.7	18.1	18.7
	* CROPLAN GENETICS RC 4955 RR	35.5	45.9	49.7	1.8	37.6	36.4	36.0	16.6	17.7	18.6
	* UNISOUTH GENETICS USG 7494nRR	34.5	44.9	49.6	1.8	38.0	37.4	37.2	16.4	17.4	18.2
	* DELTA KING DK4667	34.5	45.5	49.4	2.6	36.9	36.1	36.0	17.5	17.9	18.6
	* CROPLAN GENETICS RC 4842 RR	36.5	45.8	49.0	1.8	40.6	39.1	38.5	17.4	17.8	18.5
	* PIONEER VARIETY 94M80	34.4	45.5	48.8	1.9	40.9	39.1	38.7	16.6	17.4	18.1
EXP	* NK BRAND XR4674	46.8			1.3	37.5			17.7		
EXP	DELTA KING DKXTJ847	44.1			1.6	39.9			17.4		
	* SOUTHERN STATES RT 4777N	43.8	51.2		2.3	37.5	37.2		17.7	18.2	
	* HORNBECK HBK R4924	43.1	50.4		1.9	38.5	36.7		16.8	17.7	
	* PROGENY 4606	42.2			1.4	37.6			17.4		
	* CAVERNDAL CF 470 RR/STSn	41.7			1.3	36.5			18.4		
	* ARMOR 47-F8	41.6			1.4	37.3			18.1		
	SOUTHERN CROSS ELI 4.7 N, RR, STS	41.6	52.5		1.4	35.9	35.1		19.6	19.6	
	* DELTAGROW 4770 RR	40.8			2.3	39.4			17.1		
	* STINE 4782-4	40.7	51.9		1.5	37.9	36.1		19.0	19.1	
	* VIGORO V48N7RS	40.6			1.3	35.5			18.4		
	PROGENY 4949	40.2			1.6	39.8			16.3		
	* UNISOUTH GENETICS USG 74A76	40.0	49.3		2.6	39.2	37.3		16.6	17.7	
	* DYNA-GRO 32R46	39.8			1.3	36.8			18.4		
	* STEYER 4710 RR SCN	39.8			1.8	37.5			18.0		
	* PROGENY 4804	39.8			2.2	37.6			16.9		
	DAIRYLAND 8482RR	39.6			2.0	38.5			17.6		
	* SEED CONSULTANTS SC9468RR	39.4			1.3	35.8			18.8		
	* PROGENY 4706	39.3			2.7	38.4			17.3		
	* SOUTHERN CROSS GALILEE 4.7 N, RR	39.0			2.0	37.0			18.6		
	* SOUTHERN STATES RT 4996N	38.3	48.1		2.4	38.9	37.7		17.1	18.1	
	DELTAGROW 4975 LARR	38.2			1.8	38.6			16.5		
	HORNBECK HBK R4727	38.2			1.7	36.6			17.4		
	* SCHILLINGER SEED 467 RCP	38.1			1.5	37.6			17.3		
	* GREAT LAKES GL 4709RR	37.9	49.2		1.3	36.4	35.4		18.7	19.1	
	* SOUTHERN STATES RT 4760N	37.9	48.2		2.4	39.5	38.7		16.7	17.5	
	* SOUTHERN CROSS HIRAM 4.9 N, RR	37.9			2.0	36.6			16.4		
EXP	* JG49	37.7			2.3	39.7			16.9		
EXP	* DELTA KING DKXTJ848	37.6			2.4	39.1			17.4		
	* CROPLAN GENETICS RC 4757 RR	37.6			1.3	36.2			18.2		
	DELTA KING DK4968	37.3	47.1		1.9	39.1	37.4		16.1	17.1	
	* PROGENY 4817	37.0			2.3	40.7			15.9		
	DELTA AND PINE LAND DP 4919 RR/S	36.8	46.4		2.4	39.9	39.1		15.7	17.0	
	* TRISOY 4760RR(CN)	36.8			1.4	35.7			19.0		
	* DELTAGROW 4780 RR	36.1			1.7	36.6			18.3		
	PROGENY 4906	35.8			1.7	38.6			17.2		
	* PROGENY 4807	35.5			2.3	37.1			17.3		
	* ASGROW AG4605	35.4			1.5	37.7			18.2		

	* DELTAGROW 4970 RR	35.3	47.8		1.7	39.8	38.2		16.9	17.4
	* SEED CONSULTANTS SC9478RR	35.2			1.8	36.7			17.2	
~NS	KS4607 (high protein)	34.3			1.7	39.4			16.7	
	DELTA AND PINE LAND DP 4888 RR/S	33.9			2.2	38.5			17.1	
	* DELTAGROW 4660 RR	33.7			1.6	38.2			17.1	
EXP	TN05-4715RR	33.4			1.6	41.3			15.6	
~P	PENNYRILE (long term check-released 1987)	33.3			1.9	38.9			18.1	
	* DAIRYLAND 8474RR	33.2			1.9	36.7			18.0	
	* PIONEER VARIETY 94M71	32.2			2.3	36.5			17.8	
EXP	TN03-12RR	30.0			1.8	38.1			17.5	
~NS EXP	TN05-5109 (low phytate)	27.9			2.0	38.2			18.1	
	LATE GROUP IV AVERAGE	38.0	48.2	51.3	1.8	38.2	36.9	37.3	17.3	17.5
	LSD (0.10)	4.0	2.4	1.8	0.3					

#### MATURITY GROUP V

~	UNISOUTH GENETICS USG 5601T	39.3	50.3	55.7	3.0	39.6	38.8	38.5	16.8	16.8	17.3
~	UNISOUTH GENETICS USG 5002T	36.3	48.4	54.7	2.4	38.8	37.4	37.0	17.4	17.9	18.5
~P	TEEJAY	37.5	47.4	52.5	2.2	39.6	37.6	37.2	16.6	17.2	17.8
	* DELTA KING DK5567	32.7	44.4	51.2	2.6	39.3	37.5	37.1	16.4	16.8	17.5
~P	* ANAND	32.8	46.3	51.1	2.4	39.0	36.9	36.5	17.8	18.2	18.5
	* UNISOUTH GENETICS USG 75J32	32.6	45.0	50.5	2.3	40.0	38.3	37.4	15.9	16.9	17.5
	* DELTA KING DK5161	34.5	44.9	49.8	2.4	37.9	36.6	36.2	17.6	18.1	18.6
	DELTA KING DK5066	30.4	43.0	49.1	2.6	39.2	38.3	38.2	17.6	18.1	18.4
	* SOUTHERN STATES RT 5540N	33.9	44.2	49.1	2.3	40.0	38.4	37.7	16.9	17.5	18.2
	* DELTA KING DK5366	28.1	40.4	47.7	3.2	37.9	37.1	37.2	16.7	16.9	17.7
~NS	KS5007sp (low linolenic)	27.1	36.4	40.4	1.8	38.9	36.5	35.8	17.7	18.3	18.8
	* DELTA KING DK52K6	37.3	47.5		2.5	40.3	39.0		16.6	17.1	
	* PROGENY 5307	36.8			2.6	40.8			16.6		
	* UNISOUTH GENETICS USG 75J47	36.5			1.7	38.0			17.4		
	DELTA KING DK5068	36.3			1.4	40.2			16.9		
	* DELTA AND PINE LAND DP 5414 RR	36.0			2.8	40.3			16.3		
~P	JAKE	36.0	46.0		2.5	37.8	36.7		17.3	17.6	
	* SOUTHERN STATES RT 5160N	35.7	45.6		2.8	38.5	37.0		17.0	17.6	
	* GATEWAY 5R533	35.3			2.8	39.7			16.7		
	* STINE 5482-4	35.0			1.8	38.0			17.6		
	* DELTAGROW 4960 RR	35.0			2.8	39.5			17.3		
	* DELTAGROW 5160 RR/STS	34.7	47.9		2.7	40.7	39.2		17.5	17.8	
	* DAIRYLAND 8530RR	34.5			2.8	38.3			16.7		
	* DAIRYLAND 8509RR	33.7			2.5	39.0			17.1		
	* DELTAGROW 5300 RR	33.3			2.6	39.4			15.6		
	UNISOUTH GENETICS USG ALLEN	33.3	46.1		2.5	39.1	37.9		17.0	16.9	
	* DELTAGROW 5470 RR/STS	33.3			2.3	39.6			16.7		
	HORNBECK HBK RS5227	33.3			2.5	38.1			17.1		
	* DELTA KING DK5368	33.2	44.5		3.0	38.7	38.5		16.1	17.0	
~P	ESSEX (long term check-released 1974)	32.9			2.8	41.4			16.8		
	* PIONEER VARIETY 95M30	32.8	42.6		2.6	39.6	37.9		16.0	16.4	
	DELTA AND PINE LAND DP 5335 RR/S	32.3			2.3	39.0			17.0		
	* UNISOUTH GENETICS USG 75M16	32.1	43.3		2.7	39.7	37.4		15.5	16.7	
	PROGENY 5207	31.8			1.5	37.1			18.5		
	* CROPLAN GENETICS RC 5007 RR/STS	31.6			2.8	39.8			15.7		
	* SOUTHERN CROSS DAMASCUS 5.0 N, RR, STS	31.6	45.1		2.5	40.4	38.9		17.7	18.1	
	* PROGENY 5115	31.2			1.6	36.8			18.0		
	* DELTAGROW 5270 RR	31.1			1.9	37.4			18.5		
	PROGENY 5407	31.0			2.5	38.6			16.1		
~NS	K03-3825 (high protein)	30.4	40.6		1.5	40.0	39.0		16.6	17.1	
	* HORNBECK HBK R5226	29.1	41.4		2.9	39.0	38.4		16.5	16.9	
	* UNISOUTH GENETICS USG 7515nRS	29.1	41.8		1.9	39.8	38.8		17.5	17.8	
EXP	* DELTA KING DKXTJ851	28.9			2.4	38.3			17.0		
	DELTA AND PINE LAND DP 5115 RR/S	27.3	39.8		1.8	39.2	38.1		17.0	17.3	
	* PROGENY 5107	26.7			2.1	40.4			16.2		

GROUP V AVERAGE	33.0	44.3	50.2	2.4	39.2	37.9	37.2	16.9	17.3	18.1
LSD (0.10)	3.3	3.1	2.4	0.4						
GRAND MEAN	36.9	47.6	50.0	1.8	38.0	37.5	36.6	17.4	17.8	18.0

~ Variety is not Roundup Ready. All varieties without a tilde ( ~ ) prefix are Roundup Ready.

\* Resistant to soybean cyst nematode. See Table 3. Company Disease Resistance Specifications for details.

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.

EXP Entries with an EXP prefix are varieties that are still under development or soon to be released.

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 and 2007 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 County. These data were provided by the Iowa State University Grain Quality Analysis Services using near-infrared (NIR) analysis.

TABLE 4. 2007 SUMMARY: VARIETY TEST TABLES 5-7

SORTED BY LODGING SCORE

TYPE	BRAND -- VARIETY	YIELD (BU/AC) <sup>A</sup>			LODGING	% PROTEIN <sup>B</sup>			% OIL <sup>B</sup>		
		2007	06-07	05-07	2007	2007	06-07	05-07	2007	06-07	05-07
<b>MATURITY GROUP II-III (RELATIVE MG 2.7-3.9)</b>											
NS	* VISTIVE AG2822V (low linolenic)	40.0			1.0	37.5			19.7		
NS	* VISTIVE AG2921V (low linolenic)	36.3			1.1	36.6			19.0		
	* ASGROW AG3603	39.5			1.2	38.0			16.9		
	* VIGORO V39N7RR	38.6			1.2	37.2			17.9		
~NS	* SCHILLINGER SEED 387 TCL (low linolenic)	37.0			1.2	37.3			18.9		
	SOUTHERN STATES RT 3860	39.2	48.8		1.3	36.6	36.3		17.9	18.6	
	* PIONEER VARIETY 93M42	39.1	45.9		1.3	38.5	38.4		18.4	18.3	
NS	* VISTIVE AG3521V (low linolenic)	38.5			1.3	36.0			18.2		
NS	IA3024 (low linolenic)	37.8			1.3	34.7			19.3		
	* EBBERTS 1357RR	37.0			1.3	36.2			18.6		
~NS	IA3027 (large seed, high protein)	27.0	31.4		1.3	39.7	39.5		18.5	18.7	
	* CROW'S C3916R	41.5			1.3	38.3			17.2		
	* SOUTHERN STATES RT 3971N	40.6			1.3	37.7			17.0		
	* MAVRICK 7303RR	40.2			1.3	37.3			19.3		
EXP	* BECK 399NRR	39.8			1.3	37.7			16.2		
NS	* VISTIVE AG3121V (low linolenic)	39.8			1.3	37.0			17.8		
	* ASGROW AG3906	39.7	49.6	51.4	1.3	36.4	36.7	36.5	18.4	19.0	19.5
	* SEED CONSULTANTS SC9388RR	38.3			1.3	37.6			19.0		
	* SOUTHERN CROSS STEPHEN 3.8 N, RR	37.8	48.7	50.5	1.3	38.4	38.1	37.4	18.7	19.3	19.8
	* UNISOUTH GENETICS USG 7393nRR	37.1	46.5	49.1	1.3	37.0	37.6	37.1	18.3	18.9	19.6
	* MAVRICK 5284RR	36.4			1.3	38.8			19.1		
	* PIONEER VARIETY 93M90	36.2	47.6	49.1	1.3	37.8	37.4	36.8	17.7	18.3	18.6
~	NK BRAND S38T8	36.1			1.3	35.9			16.9		
NS	IA3031RR (low linolenic)	24.5			1.3	36.6			18.2		
	* ASGROW AG3803	41.7			1.4	36.9			18.0		
	* ASGROW AG3705	41.0	51.0		1.4	35.9	36.0		17.3	18.1	
	* GATEWAY 3RS387	40.8			1.4	36.6			17.1		
	* DYNA-GRO 35G38	40.7			1.4	38.2			18.8		
	* SEED CONSULTANTS SC9387RR	40.3	48.3		1.4	36.5	37.1		18.3	18.5	
	* NK BRAND S37-P5	39.7			1.4	36.2			18.4		
	* NK BRAND S38-D5	38.7			1.4	36.7			16.4		
NS	* VISTIVE AG2821V (low linolenic)	38.5			1.4	37.1			18.6		
~	EBBERTS 3386	38.1			1.4	37.8			17.5		
	* SOUTHERN STATES RT 3871N	37.8			1.4	37.4			17.8		
	DAIRYLAND 8396RR/STS	36.5	48.4		1.4	39.5	38.2		16.6	17.8	
	* SOUTHERN STATES RT 3851N	34.7	45.8	47.6	1.4	37.5	36.9	36.6	17.1	17.9	18.7
NS	IA3033RR (low linolenic)	25.5			1.4	35.0			19.2		
NS	IA3025 (low linolenic)	24.6			1.4	37.1			18.5		
	* EBBERTS 1365RR	43.1	48.6	49.2	1.5	40.0	40.1	39.5	16.5	16.8	17.3
	* NK BRAND S39-A3	41.4			1.5	35.7			17.7		
	* EBBERTS 1378RR	40.8			1.5	38.8			16.7		
	* SOUTHERN CROSS LUCAS 3.8 N, RR	39.2			1.5	38.1			16.7		
	* SEED CONSULTANTS SC9355RR	38.9			1.5	39.4			16.7		
	* PROGENY 3900	38.6			1.5	37.7			18.8		
	* CROPLAN GENETICS RC 3935 RR	37.0	45.0	45.4	1.5	37.6	37.6	37.3	17.7	18.2	18.9
	* EBBERTS 1386RR	35.2	47.3		1.5	36.9	37.0		17.9	18.6	
~	PIONEER VARIETY 93B82	36.6			1.7	37.6			18.4		
	* HELENA BRAND SEED 3676	38.6	47.0	46.5	1.8	38.6	38.4	37.8	17.4	18.2	18.9
	* SEED CONSULTANTS SC9386RR	37.0	47.3		1.8	37.6	38.2		17.7	18.4	
	HORNBECK HBK R3927	38.2			1.9	39.6			18.1		
NS	IA3030RR (low linolenic)	28.6			2.0	36.7			17.4		
NS	IA3032RR (low linolenic)	22.8			2.1	35.7			18.8		
	GROUP III AVERAGE	37.2	46.7	48.6	1.4	37.4	37.7	37.4	17.9	18.3	18.9
	LSD (0.10)	3.4	3.1	2.1	0.2						

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

	* SEED CONSULTANTS SC9448RR	38.2			1.1	37.1			18.5	
	* SOUTHERN CROSS CALEB 4.4 N, RR, STS	38.2			1.2	35.9			17.9	
	* SEED CONSULTANTS SC9415RR	36.4	47.2	49.2	1.2	38.2	38.1	37.0	17.3	18.2 19.1
	* GREAT LAKES GL 4519RR	39.8			1.3	38.1			17.0	
	* SOUTHERN CROSS MICHAEL 4.2 N, RR, STS	39.3	50.8	51.6	1.3	37.3	37.3	37.1	17.3	18.2 18.8
	* ASGROW DKB42-51	39.2	52.7		1.3	34.6	35.2		17.3	17.8
	* TRISOY 4227RR(CN)	39.2			1.3	36.6			17.8	
	* DELTAGROW 4470 RR/STS	39.0			1.3	36.4			18.1	
	* SOUTHERN STATES RT 4470N	42.8			1.3	36.4			18.2	
	* VIGORO V40N8RS	39.7			1.3	37.8			18.4	
	* SOUTHERN STATES RT 4551N	36.4	49.6	53.8	1.3	39.0	38.8	38.4	17.0	17.6 18.0
~NS	SCHILLINGER SEED 42HP (high protein)	33.1			1.3	41.8			14.2	
	* CAVERNDALE CF 447 RR/STSn	42.8			1.4	36.8			18.1	
	* STEYER 4430 RR SCN	41.8			1.4	36.7			18.4	
	* CAVERNDALE CF 410 RR/STSn	40.9			1.4	38.1			16.0	
	* BECK 422NRR	40.9	53.1		1.4	36.9	37.0		17.7	18.5
	* DAIRYLAND 8450RR	39.4	51.5		1.4	38.1	37.6		18.1	18.1
	* DELTAGROW 4150 RR	38.1	52.6		1.4	38.4	37.9		16.7	17.4
	HELENA BRAND SEED 4178	38.0			1.4	37.5			17.7	
	* VIGORO V42N7RS	38.0	51.5		1.4	37.7	37.5		18.2	18.7
	* ASGROW AG4103	37.3	51.2		1.4	36.5	36.4		19.0	18.8
	* HELENA BRAND SEED 4375	34.7	50.5	52.8	1.4	38.4	37.2	36.7	17.2	17.9 18.8
	* PIONEER VARIETY 94M50	43.8	54.1	54.2	1.5	35.5	36.5	36.8	17.5	18.1 18.8
	* DYNA-GRO 35B40	42.5			1.5	38.4			16.5	
	* DYNA-GRO 38C42	41.5			1.5	37.3			17.8	
	* CAVERNDALE CF 422 RR/STSn	40.7	53.3		1.5	38.0	37.0		17.9	18.7
	* STINE 4392-4	40.6			1.5	36.5			17.5	
	* ASGROW AG4405	37.4			1.5	37.7			16.2	
	* GREAT LAKES GL 4129RR	35.9	51.8		1.5	37.7	37.5		16.7	17.6
	* DELTA KING DK4567	35.6			1.5	37.0			18.5	
	* PROGENY 4405	35.1			1.5	38.3			16.2	
	* PROGENY 4206	42.4			1.6	36.7			18.4	
	* HELENA BRAND SEED 4576	37.4			1.6	36.9			16.5	
	* SEED CONSULTANTS SC9442RR	34.8	49.4		1.6	36.6	36.1		18.1	18.7
	* SEED CONSULTANTS SC9456RR	39.9	50.6	52.4	1.7	38.4	37.3	37.0	16.5	17.4 18.2
	* SOUTHERN STATES RT 4451N	39.0	50.1	54.9	1.7	36.4	36.2	35.9	17.3	17.8 18.6
	PROGENY 4507	38.9			1.7	37.9			17.3	
	* NK BRAND S45-E5	35.6			1.7	38.7			16.4	
	* SOUTHERN STATES RT 4151N	31.0	45.0	49.0	1.7	40.1	39.1	38.0	16.8	17.8 18.7
	* PIONEER VARIETY 94M30	43.2	52.7	52.3	1.8	38.6	39.4	38.7	17.1	17.5 18.3
	* CROW'S C4142R	40.4			1.8	39.6			16.1	
	* DYNA-GRO 35D44	39.8			1.8	38.4			17.1	
~NS	* GATEWAY 427 (high protein)	38.0			1.8	37.3			18.2	
EXP	* NK BRAND XR4472	42.1			1.8	37.0			17.0	
	* BECK 444NRR	40.4	51.4	54.1	1.8	36.0	36.0	35.8	16.8	17.8 18.6
	* CROW'S C4517R	38.1			1.8	37.4			16.6	
	* DELTAGROW 4460 RR	36.6	49.8		1.8	37.7	37.0		16.8	17.7
~	* BROWN SEED MG 4317X	35.4			1.8	37.3			16.0	
	* SEED CONSULTANTS SC9399RR	41.2			1.9	38.0			18.1	
	* SOUTHERN STATES RT 4370N	34.7			1.9	36.5			17.7	
	* CROPLAN GENETICS RC 4455 RR	39.8	51.4	53.7	2.0	38.2	37.1	36.5	15.4	17.0 18.1
	* ASGROW AG4404	37.0	51.2	52.9	2.1	36.9	36.8	37.1	16.8	17.7 18.2
	* HORNBECK HBK R3824	33.2			2.1	37.0			17.5	
	* STEYER 4040 RR SCN	44.1			2.3	38.1			17.4	
	HORNBECK HBK R4527	31.2			2.3	40.0			16.3	
	* SCHILLINGER SEED 457 RCP	35.2			2.8	37.3			17.5	
	EARLY GROUP IV AVERAGE	38.5	51.0	52.6	1.6	37.6	37.2	37.1	17.3	17.9 18.5
	LSD (0.10)	3.6	2.4	1.8	0.3					

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

	* CAVERNDALE CF 470 RR/STS <sub>n</sub>	41.7			1.3	36.5			18.4		
	* VIGORO V48N7RS	40.6			1.3	35.5			18.4		
	* DYNA-GRO 32R46	39.8			1.3	36.8			18.4		
	* SEED CONSULTANTS SC9468RR	39.4			1.3	35.8			18.8		
EXP	* NK BRAND XR4674	46.8			1.3	37.5			17.7		
	* GREAT LAKES GL 4709RR	37.9	49.2		1.3	36.4	35.4		18.7	19.1	
	* CROPLAN GENETICS RC 4757 RR	37.6			1.3	36.2			18.2		
	* PROGENY 4606	42.2			1.4	37.6			17.4		
	* ARMOR 47-F8	41.6			1.4	37.3			18.1		
	SOUTHERN CROSS ELI 4.7 N, RR, STS	41.6	52.5		1.4	35.9	35.1		19.6	19.6	
	* TRISOY 4760RR(CN)	36.8			1.4	35.7			19.0		
	* SOUTHERN STATES RT 4808N	43.4	51.7	55.0	1.5	38.4	36.3	36.1	16.1	17.3	18.0
	* STINE 4782-4	40.7	51.9		1.5	37.9	36.1		19.0	19.1	
	* SCHILLINGER SEED 467 RCP	38.1			1.5	37.6			17.3		
	* SOUTHERN STATES RT 4981N	36.0	45.8	49.8	1.5	38.2	37.0	36.8	17.7	18.1	18.7
	* ASGROW AG4801	35.8	46.5	51.1	1.5	38.0	37.4	37.3	17.0	18.0	18.7
	* ASGROW AG4605	35.4			1.5	37.7			18.2		
EXP	DELTA KING DKXTJ847	44.1			1.6	39.9			17.4		
	* ASGROW AG4703	40.5	49.6	53.4	1.6	38.5	37.3	37.2	16.6	17.3	18.0
	PROGENY 4949	40.2			1.6	39.8			16.3		
	* DELTAGROW 4660 RR	33.7			1.6	38.2			17.1		
EXP	TN05-4715RR	33.4			1.6	41.3			15.6		
	HORNBECK HBK R4727	38.2			1.7	36.6			17.4		
	* ASGROW DKB46-51	37.9	47.8	50.9	1.7	39.4	38.6	38.2	17.4	17.7	18.2
	* CROW'S C4815R	37.7	48.2	51.2	1.7	38.3	38.1	37.9	17.5	17.5	18.1
	* DELTAGROW 4780 RR	36.1			1.7	36.6			18.3		
	PROGENY 4906	35.8			1.7	38.6			17.2		
	* DELTAGROW 4970 RR	35.3	47.8		1.7	39.8	38.2		16.9	17.4	
~NS	KS4607 (high protein)	34.3			1.7	39.4			16.7		
	* DELTA KING DK4866	40.3	49.1	52.0	1.8	38.3	37.1	36.4	16.6	17.3	18.1
	ASGROW AG4903	39.5	49.3	53.3	1.8	37.5	36.3	36.4	18.1	18.4	18.9
	DELTAGROW 4975 LARR	38.2			1.8	38.6			16.5		
	* CROPLAN GENETICS RC 4955 RR	35.5	45.9	49.7	1.8	37.6	36.4	36.0	16.6	17.7	18.6
	* SEED CONSULTANTS SC9478RR	35.2			1.8	36.7			17.2		
	* NK BRAND S49-Q9	33.9	47.0	51.5	1.8	38.9	37.5	37.4	15.3	16.6	17.3
	* DELTA KING DK4763	40.3	47.6	51.6	1.8	38.1	38.0	37.7	18.1	18.3	18.7
	* SCHILLINGER SEED 495 RC	40.1	48.0	51.4	1.8	39.7	38.3	38.3	16.8	17.4	17.5
	* STEYER 4710 RR SCN	39.8			1.8	37.5			18.0		
	* CROPLAN GENETICS RC 4842 RR	36.5	45.8	49.0	1.8	40.6	39.1	38.5	17.4	17.8	18.5
	* UNISOUTH GENETICS USG 7494nRR	34.5	44.9	49.6	1.8	38.0	37.4	37.2	16.4	17.4	18.2
EXP	TN03-12RR	30.0			1.8	38.1			17.5		
	* HORNBECK HBK R4924	43.1	50.4		1.9	38.5	36.7		16.8	17.7	
	* VIGORO V49N6RR	41.6	51.0	54.4	1.9	39.1	37.9	37.8	16.9	17.5	17.8
	DELTA KING DK4968	37.3	47.1		1.9	39.1	37.4		16.1	17.1	
	* DELTA AND PINE LAND DP 4724 RR	36.0	46.9	50.9	1.9	38.4	37.9	38.0	17.8	18.1	18.5
	* PIONEER VARIETY 94M80	34.4	45.5	48.8	1.9	40.9	39.1	38.7	16.6	17.4	18.1
~P	PENNYRILE (long term check-released 1987)	33.3			1.9	38.9			18.1		
	* DAIRYLAND 8474RR	33.2			1.9	36.7			18.0		
	DAIRYLAND 8482RR	39.6			2.0	38.5			17.6		
	* SOUTHERN CROSS GALILEE 4.7 N, RR	39.0			2.0	37.0			18.6		
	* SOUTHERN CROSS HIRAM 4.9 N, RR	37.9			2.0	36.6			16.4		
~NS EXP	TN05-5109 (low phytate)	27.9			2.0	38.2			18.1		
	* DELTA KING DK4967	37.6	47.1	51.1	2.1	40.6	39.0	38.2	17.0	17.5	18.3
	* PROGENY 4804	39.8			2.2	37.6			16.9		
	* DELTAGROW 4840 RR	38.3	46.4	50.3	2.2	38.3	37.5	36.8	15.5	17.1	17.9
	DELTA AND PINE LAND DP 4888 RR/S	33.9			2.2	38.5			17.1		
	* PIONEER VARIETY 94B73	44.4	51.5	53.4	2.3	37.8	37.7	37.3	18.6	18.4	18.7
	* SOUTHERN STATES RT 4777N	43.8	51.2		2.3	37.5	37.2		17.7	18.2	
	* HELENA BRAND SEED 4875	40.7	46.9	51.2	2.3	38.4	37.6	36.9	16.2	17.0	17.7
	* PROGENY 4817	37.0			2.3	40.7			15.9		

	* PROGENY 4807	35.5			2.3	37.1			17.3		
	* PIONEER VARIETY 94M71	32.2			2.3	36.5			17.8		
	* DELTAGROW 4770 RR	40.8			2.3	39.4			17.1		
EXP	* JG49	37.7			2.3	39.7			16.9		
	* SOUTHERN STATES RT 4996N	38.3	48.1		2.4	38.9	37.7		17.1	18.1	
	* SOUTHERN STATES RT 4760N	37.9	48.2		2.4	39.5	38.7		16.7	17.5	
EXP	* DELTA KING DKXTJ848	37.6			2.4	39.1			17.4		
	DELTA AND PINE LAND DP 4919 RR/S	36.8	46.4		2.4	39.9	39.1		15.7	17.0	
	* UNISOUTH GENETICS USG 74A76	40.0	49.3		2.6	39.2	37.3		16.6	17.7	
	* DELTA KING DK4667	34.5	45.5	49.4	2.6	36.9	36.1	36.0	17.5	17.9	18.6
	* PROGENY 4706	39.3			2.7	38.4			17.3		
	LATE GROUP IV AVERAGE	38.0	48.2	51.3	1.8	38.2	36.9	37.3	17.3	17.5	18.2
	LSD (0.10)	4.0	2.4	1.8	0.3						

#### MATURITY GROUP V

	DELTA KING DK5068	36.3			1.4	40.2			16.9		
	PROGENY 5207	31.8			1.5	37.1			18.5		
~NS	K03-3825 (high protein)	30.4	40.6		1.5	40.0	39.0		16.6	17.1	
	* PROGENY 5115	31.2			1.6	36.8			18.0		
	* UNISOUTH GENETICS USG 75J47	36.5			1.7	38.0			17.4		
	* STINE 5482-4	35.0			1.8	38.0			17.6		
~NS	KS5007sp (low linolenic)	27.1	36.4	40.4	1.8	38.9	36.5	35.8	17.7	18.3	18.8
	DELTA AND PINE LAND DP 5115 RR/S	27.3	39.8		1.8	39.2	38.1		17.0	17.3	
	* DELTAGROW 5270 RR	31.1			1.9	37.4			18.5		
	* UNISOUTH GENETICS USG 7515nRS	29.1	41.8		1.9	39.8	38.8		17.5	17.8	
	* PROGENY 5107	26.7			2.1	40.4			16.2		
~P	TEEJAY	37.5	47.4	52.5	2.2	39.6	37.6	37.2	16.6	17.2	17.8
	* SOUTHERN STATES RT 5540N	33.9	44.2	49.1	2.3	40.0	38.4	37.7	16.9	17.5	18.2
	DELTA AND PINE LAND DP 5335 RR/S	32.3			2.3	39.0			17.0		
	* DELTAGROW 5470 RR/STS	33.3			2.3	39.6			16.7		
	* UNISOUTH GENETICS USG 75J32	32.6	45.0	50.5	2.3	40.0	38.3	37.4	15.9	16.9	17.5
~	UNISOUTH GENETICS USG 5002T	36.3	48.4	54.7	2.4	38.8	37.4	37.0	17.4	17.9	18.5
	* DELTA KING DK5161	34.5	44.9	49.8	2.4	37.9	36.6	36.2	17.6	18.1	18.6
~P	* ANAND	32.8	46.3	51.1	2.4	39.0	36.9	36.5	17.8	18.2	18.5
EXP	* DELTA KING DKXTJ851	28.9			2.4	38.3			17.0		
	* DELTA KING DK52K6	37.3	47.5		2.5	40.3	39.0		16.6	17.1	
~P	JAKE	36.0	46.0		2.5	37.8	36.7		17.3	17.6	
	* DAIRYLAND 8509RR	33.7			2.5	39.0			17.1		
	UNISOUTH GENETICS USG ALLEN	33.3	46.1		2.5	39.1	37.9		17.0	16.9	
	HORNBECK HBK RS5227	33.3			2.5	38.1			17.1		
	* SOUTHERN CROSS DAMASCUS 5.0 N, RR, STS	31.6	45.1		2.5	40.4	38.9		17.7	18.1	
	PROGENY 5407	31.0			2.5	38.6			16.1		
	* PROGENY 5307	36.8			2.6	40.8			16.6		
	* DELTAGROW 5300 RR	33.3			2.6	39.4			15.6		
	* PIONEER VARIETY 95M30	32.8	42.6		2.6	39.6	37.9		16.0	16.4	
	* DELTA KING DK5567	32.7	44.4	51.2	2.6	39.3	37.5	37.1	16.4	16.8	17.5
	DELTA KING DK5066	30.4	43.0	49.1	2.6	39.2	38.3	38.2	17.6	18.1	18.4
	* DELTAGROW 5160 RR/STS	34.7	47.9		2.7	40.7	39.2		17.5	17.8	
	* UNISOUTH GENETICS USG 75M16	32.1	43.3		2.7	39.7	37.4		15.5	16.7	
	* DELTA AND PINE LAND DP 5414 RR	36.0			2.8	40.3			16.3		
	* SOUTHERN STATES RT 5160N	35.7	45.6		2.8	38.5	37.0		17.0	17.6	
	* DELTAGROW 4960 RR	35.0			2.8	39.5			17.3		
	* DAIRYLAND 8530RR	34.5			2.8	38.3			16.7		
	* CROPLAN GENETICS RC 5007 RR/STS	31.6			2.8	39.8			15.7		
	* GATEWAY 5R533	35.3			2.8	39.7			16.7		
~P	ESSEX (long term check-released 1974)	32.9			2.8	41.4			16.8		
	* HORNBECK HBK R5226	29.1	41.4		2.9	39.0	38.4		16.5	16.9	
~	UNISOUTH GENETICS USG 5601T	39.3	50.3	55.7	3.0	39.6	38.8	38.5	16.8	16.8	17.3
	* DELTA KING DK5368	33.2	44.5		3.0	38.7	38.5		16.1	17.0	
	* DELTA KING DK5366	28.1	40.4	47.7	3.2	37.9	37.1	37.2	16.7	16.9	17.7

GROUP V AVERAGE	33.0	44.3	50.2	2.4	39.2	37.9	37.2	16.9	17.3	18.1
LSD (0.10)	3.3	3.1	2.4	0.4						
GRAND MEAN	36.9	47.6	50.0	1.8	38.0	37.5	36.6	17.4	17.8	18.0

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~ Variety is not Roundup Ready. All varieties without a tilde ( ~ ) prefix are Roundup Ready.

\* Resistant to soybean cyst nematode. See Table 3. Company Disease Resistance Specifications for details.

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.

EXP Entries with an EXP prefix are varieties that are still under development or soon to be released.

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 and 2007 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 County. These data were provided by the Iowa State University Grain Quality Analysis Services using near-infrared (NIR) analysis.



TABLE 4. 2007 SUMMARY: VARIETY TEST TABLES 5-7

SORTED BY 2007 % PROTEIN

TYPE	BRAND -- VARIETY	YIELD (BU/AC) <sup>A</sup>			LODGING	% PROTEIN <sup>B</sup>			% OIL <sup>B</sup>		
		2007	06-07	05-07		2007	06-07	05-07	2007	06-07	05-07
<b>MATURITY GROUP II-III (RELATIVE MG 2.7-3.9)</b>											
	* EBBERTS 1365RR	43.1	48.6	49.2	1.5	40.0	40.1	39.5	16.5	16.8	17.3
~NS	IA3027 (large seed, high protein)	27.0	31.4		1.3	39.7	39.5		18.5	18.7	
	HORNBECK HBK R3927	38.2			1.9	39.6			18.1		
	DAIRYLAND 8396RR/STS	36.5	48.4		1.4	39.5	38.2		16.6	17.8	
	* SEED CONSULTANTS SC9355RR	38.9			1.5	39.4			16.7		
	* EBBERTS 1378RR	40.8			1.5	38.8			16.7		
	* MAVRICK 5284RR	36.4			1.3	38.8			19.1		
	* HELENA BRAND SEED 3676	38.6	47.0	46.5	1.8	38.6	38.4	37.8	17.4	18.2	18.9
	* PIONEER VARIETY 93M42	39.1	45.9		1.3	38.5	38.4		18.4	18.3	
	* SOUTHERN CROSS STEPHEN 3.8 N, RR	37.8	48.7	50.5	1.3	38.4	38.1	37.4	18.7	19.3	19.8
	* CROW'S C3916R	41.5			1.3	38.3			17.2		
	* DYNA-GRO 35G38	40.7			1.4	38.2			18.8		
	* SOUTHERN CROSS LUCAS 3.8 N, RR	39.2			1.5	38.1			16.7		
	* ASGROW AG3603	39.5			1.2	38.0			16.9		
~	EBBERTS 3386	38.1			1.4	37.8			17.5		
	* PIONEER VARIETY 93M90	36.2	47.6	49.1	1.3	37.8	37.4	36.8	17.7	18.3	18.6
	* SOUTHERN STATES RT 3971N	40.6			1.3	37.7			17.0		
EXP	* BECK 399NRR	39.8			1.3	37.7			16.2		
	* PROGENY 3900	38.6			1.5	37.7			18.8		
	* SEED CONSULTANTS SC9388RR	38.3			1.3	37.6			19.0		
	* CROPLAN GENETICS RC 3935 RR	37.0	45.0	45.4	1.5	37.6	37.6	37.3	17.7	18.2	18.9
	* SEED CONSULTANTS SC9386RR	37.0	47.3		1.8	37.6	38.2		17.7	18.4	
~	PIONEER VARIETY 93B82	36.6			1.7	37.6			18.4		
NS	* VISTIVE AG2822V (low linolenic)	40.0			1.0	37.5			19.7		
	* SOUTHERN STATES RT 3851N	34.7	45.8	47.6	1.4	37.5	36.9	36.6	17.1	17.9	18.7
	* SOUTHERN STATES RT 3871N	37.8			1.4	37.4			17.8		
	* MAVRICK 7303RR	40.2			1.3	37.3			19.3		
~NS	* SCHILLINGER SEED 387 TCL (low linolenic)	37.0			1.2	37.3			18.9		
	* VIGORO V39N7RR	38.6			1.2	37.2			17.9		
NS	* VISTIVE AG2821V (low linolenic)	38.5			1.4	37.1			18.6		
NS	IA3025 (low linolenic)	24.6			1.4	37.1			18.5		
NS	* VISTIVE AG3121V (low linolenic)	39.8			1.3	37.0			17.8		
	* UNISOUTH GENETICS USG 7393nRR	37.1	46.5	49.1	1.3	37.0	37.6	37.1	18.3	18.9	19.6
	* ASGROW AG3803	41.7			1.4	36.9			18.0		
	* EBBERTS 1386RR	35.2	47.3		1.5	36.9	37.0		17.9	18.6	
	* NK BRAND S38-D5	38.7			1.4	36.7			16.4		
NS	IA3030RR (low linolenic)	28.6			2.0	36.7			17.4		
	* GATEWAY 3RS387	40.8			1.4	36.6			17.1		
	SOUTHERN STATES RT 3860	39.2	48.8		1.3	36.6	36.3		17.9	18.6	
NS	* VISTIVE AG2921V (low linolenic)	36.3			1.1	36.6			19.0		
NS	IA3031RR (low linolenic)	24.5			1.3	36.6			18.2		
	* SEED CONSULTANTS SC9387RR	40.3	48.3		1.4	36.5	37.1		18.3	18.5	
	* ASGROW AG3906	39.7	49.6	51.4	1.3	36.4	36.7	36.5	18.4	19.0	19.5
	* NK BRAND S37-P5	39.7			1.4	36.2			18.4		
	* EBBERTS 1357RR	37.0			1.3	36.2			18.6		
NS	* VISTIVE AG3521V (low linolenic)	38.5			1.3	36.0			18.2		
	* ASGROW AG3705	41.0	51.0		1.4	35.9	36.0		17.3	18.1	
~	NK BRAND S38T8	36.1			1.3	35.9			16.9		
	* NK BRAND S39-A3	41.4			1.5	35.7			17.7		
NS	IA3032RR (low linolenic)	22.8			2.1	35.7			18.8		
NS	IA3033RR (low linolenic)	25.5			1.4	35.0			19.2		
NS	IA3024 (low linolenic)	37.8			1.3	34.7			19.3		
	GROUP III AVERAGE	37.2	46.7	48.6	1.4	37.4	37.7	37.4	17.9	18.3	18.9
	LSD (0.10)	3.4	3.1	2.1	0.2						

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

~NS	SCHILLINGER SEED 42HP (high protein)	33.1			1.3	41.8					14.2
*	SOUTHERN STATES RT 4151N	31.0	45.0	49.0	1.7	40.1	39.1	38.0	16.8	17.8	18.7
	HORNBECK HBK R4527	31.2			2.3	40.0			16.3		
*	CROW'S C4142R	40.4			1.8	39.6			16.1		
*	SOUTHERN STATES RT 4551N	36.4	49.6	53.8	1.3	39.0	38.8	38.4	17.0	17.6	18.0
*	NK BRAND S45-E5	35.6			1.7	38.7			16.4		
*	PIONEER VARIETY 94M30	43.2	52.7	52.3	1.8	38.6	39.4	38.7	17.1	17.5	18.3
*	DYNA-GRO 35B40	42.5			1.5	38.4			16.5		
*	SEED CONSULTANTS SC9456RR	39.9	50.6	52.4	1.7	38.4	37.3	37.0	16.5	17.4	18.2
*	DYNA-GRO 35D44	39.8			1.8	38.4			17.1		
*	DELTA GROW 4150 RR	38.1	52.6		1.4	38.4	37.9		16.7	17.4	
*	HELENA BRAND SEED 4375	34.7	50.5	52.8	1.4	38.4	37.2	36.7	17.2	17.9	18.8
*	PROGENY 4405	35.1			1.5	38.3			16.2		
*	CROPLAN GENETICS RC 4455 RR	39.8	51.4	53.7	2.0	38.2	37.1	36.5	15.4	17.0	18.1
*	SEED CONSULTANTS SC9415RR	36.4	47.2	49.2	1.2	38.2	38.1	37.0	17.3	18.2	19.1
*	STEYER 4040 RR SCN	44.1			2.3	38.1			17.4		
*	CAVERNDALE CF 410 RR/STSn	40.9			1.4	38.1			16.0		
*	GREAT LAKES GL 4519RR	39.8			1.3	38.1			17.0		
*	DAIRYLAND 8450RR	39.4	51.5		1.4	38.1	37.6		18.1	18.1	
*	SEED CONSULTANTS SC9399RR	41.2			1.9	38.0			18.1		
*	CAVERNDALE CF 422 RR/STSn	40.7	53.3		1.5	38.0	37.0		17.9	18.7	
	PROGENY 4507	38.9			1.7	37.9			17.3		
*	VIGORO V40N8RS	39.7			1.3	37.8			18.4		
*	VIGORO V42N7RS	38.0	51.5		1.4	37.7	37.5		18.2	18.7	
*	ASGROW AG4405	37.4			1.5	37.7			16.2		
*	DELTA GROW 4460 RR	36.6	49.8		1.8	37.7	37.0		16.8	17.7	
*	GREAT LAKES GL 4129RR	35.9	51.8		1.5	37.7	37.5		16.7	17.6	
	HELENA BRAND SEED 4178	38.0			1.4	37.5			17.7		
*	CROW'S C4517R	38.1			1.8	37.4			16.6		
*	DYNA-GRO 38C42	41.5			1.5	37.3			17.8		
*	SOUTHERN CROSS MICHAEL 4.2 N, RR, STS	39.3	50.8	51.6	1.3	37.3	37.3	37.1	17.3	18.2	18.8
~NS	GATEWAY 427 (high protein)	38.0			1.8	37.3			18.2		
~	BROWN SEED MG 4317X	35.4			1.8	37.3			16.0		
*	SCHILLINGER SEED 457 RCP	35.2			2.8	37.3			17.5		
*	SEED CONSULTANTS SC9448RR	38.2			1.1	37.1			18.5		
EXP	NK BRAND XR4472	42.1			1.8	37.0			17.0		
*	DELTA KING DK4567	35.6			1.5	37.0			18.5		
*	HORNBECK HBK R3824	33.2			2.1	37.0			17.5		
*	BECK 422NRR	40.9	53.1		1.4	36.9	37.0		17.7	18.5	
*	HELENA BRAND SEED 4576	37.4			1.6	36.9			16.5		
*	ASGROW AG4404	37.0	51.2	52.9	2.1	36.9	36.8	37.1	16.8	17.7	18.2
*	CAVERNDALE CF 447 RR/STSn	42.8			1.4	36.8			18.1		
*	PROGENY 4206	42.4			1.6	36.7			18.4		
*	STEYER 4430 RR SCN	41.8			1.4	36.7			18.4		
*	TRISOY 4227RR(CN)	39.2			1.3	36.6			17.8		
*	SEED CONSULTANTS SC9442RR	34.8	49.4		1.6	36.6	36.1		18.1	18.7	
*	STINE 4392-4	40.6			1.5	36.5			17.5		
*	ASGROW AG4103	37.3	51.2		1.4	36.5	36.4		19.0	18.8	
*	SOUTHERN STATES RT 4370N	34.7			1.9	36.5			17.7		
*	SOUTHERN STATES RT 4470N	42.8			1.3	36.4			18.2		
*	DELTA GROW 4470 RR/STS	39.0			1.3	36.4			18.1		
*	SOUTHERN STATES RT 4451N	39.0	50.1	54.9	1.7	36.4	36.2	35.9	17.3	17.8	18.6
*	BECK 444NRR	40.4	51.4	54.1	1.8	36.0	36.0	35.8	16.8	17.8	18.6
*	SOUTHERN CROSS CALEB 4.4 N, RR, STS	38.2			1.2	35.9			17.9		
*	PIONEER VARIETY 94M50	43.8	54.1	54.2	1.5	35.5	36.5	36.8	17.5	18.1	18.8
*	ASGROW DKB42-51	39.2	52.7		1.3	34.6	35.2		17.3	17.8	
	EARLY GROUP IV AVERAGE	38.5	51.0	52.6	1.6	37.6	37.2	37.1	17.3	17.9	18.5
	LSD (0.10)	3.6	2.4	1.8	0.3						

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

EXP	TN05-4715RR	33.4			1.6	41.3				15.6		
	* PIONEER VARIETY 94M80	34.4	45.5	48.8	1.9	40.9	39.1	38.7	16.6	17.4	18.1	
	* PROGENY 4817	37.0			2.3	40.7			15.9			
	* DELTA KING DK4967	37.6	47.1	51.1	2.1	40.6	39.0	38.2	17.0	17.5	18.3	
	* CROPLAN GENETICS RC 4842 RR	36.5	45.8	49.0	1.8	40.6	39.1	38.5	17.4	17.8	18.5	
EXP	DELTA KING DKXTJ847	44.1			1.6	39.9			17.4			
	DELTA AND PINE LAND DP 4919 RR/S	36.8	46.4		2.4	39.9	39.1		15.7	17.0		
	PROGENY 4949	40.2			1.6	39.8			16.3			
	* DELTAGROW 4970 RR	35.3	47.8		1.7	39.8	38.2		16.9	17.4		
	* SCHILLINGER SEED 495 RC	40.1	48.0	51.4	1.8	39.7	38.3	38.3	16.8	17.4	17.5	
EXP	* JG49	37.7			2.3	39.7			16.9			
	* SOUTHERN STATES RT 4760N	37.9	48.2		2.4	39.5	38.7		16.7	17.5		
	* DELTAGROW 4770 RR	40.8			2.3	39.4			17.1			
	* ASGROW DKB46-51	37.9	47.8	50.9	1.7	39.4	38.6	38.2	17.4	17.7	18.2	
~NS	KS4607 (high protein)	34.3			1.7	39.4			16.7			
	* UNISOUTH GENETICS USG 74A76	40.0	49.3		2.6	39.2	37.3		16.6	17.7		
	* VIGORO V49N6RR	41.6	51.0	54.4	1.9	39.1	37.9	37.8	16.9	17.5	17.8	
EXP	* DELTA KING DKXTJ848	37.6			2.4	39.1			17.4			
	DELTA KING DK4968	37.3	47.1		1.9	39.1	37.4		16.1	17.1		
	* SOUTHERN STATES RT 4996N	38.3	48.1		2.4	38.9	37.7		17.1	18.1		
	* NK BRAND S49-Q9	33.9	47.0	51.5	1.8	38.9	37.5	37.4	15.3	16.6	17.3	
~P	PENNYRILE (long term check-released 1987)	33.3			1.9	38.9			18.1			
	DELTAGROW 4975 LARR	38.2			1.8	38.6			16.5			
	PROGENY 4906	35.8			1.7	38.6			17.2			
	* HORNBECK HBK R4924	43.1	50.4		1.9	38.5	36.7		16.8	17.7		
	* ASGROW AG4703	40.5	49.6	53.4	1.6	38.5	37.3	37.2	16.6	17.3	18.0	
	DAIRYLAND 8482RR	39.6			2.0	38.5			17.6			
	DELTA AND PINE LAND DP 4888 RR/S	33.9			2.2	38.5			17.1			
	* SOUTHERN STATES RT 4808N	43.4	51.7	55.0	1.5	38.4	36.3	36.1	16.1	17.3	18.0	
	* HELENA BRAND SEED 4875	40.7	46.9	51.2	2.3	38.4	37.6	36.9	16.2	17.0	17.7	
	* PROGENY 4706	39.3			2.7	38.4			17.3			
	* DELTA AND PINE LAND DP 4724 RR	36.0	46.9	50.9	1.9	38.4	37.9	38.0	17.8	18.1	18.5	
	* DELTA KING DK4866	40.3	49.1	52.0	1.8	38.3	37.1	36.4	16.6	17.3	18.1	
	* DELTAGROW 4840 RR	38.3	46.4	50.3	2.2	38.3	37.5	36.8	15.5	17.1	17.9	
	* CROW'S C4815R	37.7	48.2	51.2	1.7	38.3	38.1	37.9	17.5	17.5	18.1	
	* SOUTHERN STATES RT 4981N	36.0	45.8	49.8	1.5	38.2	37.0	36.8	17.7	18.1	18.7	
	* DELTAGROW 4660 RR	33.7			1.6	38.2			17.1			
~NS EXP	TN05-5109 (low phytate)	27.9			2.0	38.2			18.1			
	* DELTA KING DK4763	40.3	47.6	51.6	1.8	38.1	38.0	37.7	18.1	18.3	18.7	
EXP	TN03-12RR	30.0			1.8	38.1			17.5			
	* ASGROW AG4801	35.8	46.5	51.1	1.5	38.0	37.4	37.3	17.0	18.0	18.7	
	* UNISOUTH GENETICS USG 7494nRR	34.5	44.9	49.6	1.8	38.0	37.4	37.2	16.4	17.4	18.2	
	* STINE 4782-4	40.7	51.9		1.5	37.9	36.1		19.0	19.1		
	* PIONEER VARIETY 94B73	44.4	51.5	53.4	2.3	37.8	37.7	37.3	18.6	18.4	18.7	
	* ASGROW AG4605	35.4			1.5	37.7			18.2			
	* PROGENY 4606	42.2			1.4	37.6			17.4			
	* PROGENY 4804	39.8			2.2	37.6			16.9			
	* SCHILLINGER SEED 467 RCP	38.1			1.5	37.6			17.3			
	* CROPLAN GENETICS RC 4955 RR	35.5	45.9	49.7	1.8	37.6	36.4	36.0	16.6	17.7	18.6	
EXP	* NK BRAND XR4674	46.8			1.3	37.5			17.7			
	* SOUTHERN STATES RT 4777N	43.8	51.2		2.3	37.5	37.2		17.7	18.2		
	* STEYER 4710 RR SCN	39.8			1.8	37.5			18.0			
	ASGROW AG4903	39.5	49.3	53.3	1.8	37.5	36.3	36.4	18.1	18.4	18.9	
	* ARMOR 47-F8	41.6			1.4	37.3			18.1			
	* PROGENY 4807	35.5			2.3	37.1			17.3			
	* SOUTHERN CROSS GALILEE 4.7 N, RR	39.0			2.0	37.0			18.6			
	* DELTA KING DK4667	34.5	45.5	49.4	2.6	36.9	36.1	36.0	17.5	17.9	18.6	
	* DYNA-GRO 32R46	39.8			1.3	36.8			18.4			
	* SEED CONSULTANTS SC9478RR	35.2			1.8	36.7			17.2			
	* DAIRYLAND 8474RR	33.2			1.9	36.7			18.0			

	HORNBECK HBK R4727	38.2			1.7	36.6			17.4		
*	SOUTHERN CROSS HIRAM 4.9 N, RR	37.9			2.0	36.6			16.4		
*	DELTA GROW 4780 RR	36.1			1.7	36.6			18.3		
*	CAVERNDALE CF 470 RR/STSn	41.7			1.3	36.5			18.4		
*	PIONEER VARIETY 94M71	32.2			2.3	36.5			17.8		
*	GREAT LAKES GL 4709RR	37.9	49.2		1.3	36.4	35.4		18.7	19.1	
*	CROPLAN GENETICS RC 4757 RR	37.6			1.3	36.2			18.2		
	SOUTHERN CROSS ELI 4.7 N, RR, STS	41.6	52.5		1.4	35.9	35.1		19.6	19.6	
*	SEED CONSULTANTS SC9468RR	39.4			1.3	35.8			18.8		
*	TRISOY 4760RR(CN)	36.8			1.4	35.7			19.0		
*	VIGORO V48N7RS	40.6			1.3	35.5			18.4		
	LATE GROUP IV AVERAGE	38.0	48.2	51.3	1.8	38.2	36.9	37.3	17.3	17.5	18.2
	LSD (0.10)	4.0	2.4	1.8	0.3						
<b>MATURITY GROUP V</b>											
~P	ESSEX (long term check-released 1974)	32.9			2.8	41.4			16.8		
*	PROGENY 5307	36.8			2.6	40.8			16.6		
*	DELTA GROW 5160 RR/STS	34.7	47.9		2.7	40.7	39.2		17.5	17.8	
*	SOUTHERN CROSS DAMASCUS 5.0 N, RR, STS	31.6	45.1		2.5	40.4	38.9		17.7	18.1	
*	PROGENY 5107	26.7			2.1	40.4			16.2		
*	DELTA KING DK52K6	37.3	47.5		2.5	40.3	39.0		16.6	17.1	
*	DELTA AND PINE LAND DP 5414 RR	36.0			2.8	40.3			16.3		
	DELTA KING DK5068	36.3			1.4	40.2			16.9		
*	SOUTHERN STATES RT 5540N	33.9	44.2	49.1	2.3	40.0	38.4	37.7	16.9	17.5	18.2
*	UNISOUTH GENETICS USG 75J32	32.6	45.0	50.5	2.3	40.0	38.3	37.4	15.9	16.9	17.5
~NS	K03-3825 (high protein)	30.4	40.6		1.5	40.0	39.0		16.6	17.1	
*	CROPLAN GENETICS RC 5007 RR/STS	31.6			2.8	39.8			15.7		
*	UNISOUTH GENETICS USG 7515nRS	29.1	41.8		1.9	39.8	38.8		17.5	17.8	
*	GATEWAY 5R533	35.3			2.8	39.7			16.7		
*	UNISOUTH GENETICS USG 75M16	32.1	43.3		2.7	39.7	37.4		15.5	16.7	
~	UNISOUTH GENETICS USG 5601T	39.3	50.3	55.7	3.0	39.6	38.8	38.5	16.8	16.8	17.3
~P	TEEJAY	37.5	47.4	52.5	2.2	39.6	37.6	37.2	16.6	17.2	17.8
*	DELTA GROW 5470 RR/STS	33.3			2.3	39.6			16.7		
*	PIONEER VARIETY 95M30	32.8	42.6		2.6	39.6	37.9		16.0	16.4	
*	DELTA GROW 4960 RR	35.0			2.8	39.5			17.3		
*	DELTA GROW 5300 RR	33.3			2.6	39.4			15.6		
*	DELTA KING DK5567	32.7	44.4	51.2	2.6	39.3	37.5	37.1	16.4	16.8	17.5
	DELTA KING DK5066	30.4	43.0	49.1	2.6	39.2	38.3	38.2	17.6	18.1	18.4
	DELTA AND PINE LAND DP 5115 RR/S	27.3	39.8		1.8	39.2	38.1		17.0	17.3	
	UNISOUTH GENETICS USG ALLEN	33.3	46.1		2.5	39.1	37.9		17.0	16.9	
*	DAIRYLAND 8509RR	33.7			2.5	39.0			17.1		
~P	* ANAND	32.8	46.3	51.1	2.4	39.0	36.9	36.5	17.8	18.2	18.5
	DELTA AND PINE LAND DP 5335 RR/S	32.3			2.3	39.0			17.0		
*	HORNBECK HBK R5226	29.1	41.4		2.9	39.0	38.4		16.5	16.9	
~NS	KS5007sp (low linolenic)	27.1	36.4	40.4	1.8	38.9	36.5	35.8	17.7	18.3	18.8
~	UNISOUTH GENETICS USG 5002T	36.3	48.4	54.7	2.4	38.8	37.4	37.0	17.4	17.9	18.5
*	DELTA KING DK5368	33.2	44.5		3.0	38.7	38.5		16.1	17.0	
	PROGENY 5407	31.0			2.5	38.6			16.1		
*	SOUTHERN STATES RT 5160N	35.7	45.6		2.8	38.5	37.0		17.0	17.6	
*	DAIRYLAND 8530RR	34.5			2.8	38.3			16.7		
EXP	* DELTA KING DKXTJ851	28.9			2.4	38.3			17.0		
	HORNBECK HBK RS5227	33.3			2.5	38.1			17.1		
*	UNISOUTH GENETICS USG 75J47	36.5			1.7	38.0			17.4		
*	STINE 5482-4	35.0			1.8	38.0			17.6		
*	DELTA KING DK5161	34.5	44.9	49.8	2.4	37.9	36.6	36.2	17.6	18.1	18.6
*	DELTA KING DK5366	28.1	40.4	47.7	3.2	37.9	37.1	37.2	16.7	16.9	17.7
~P	JAKE	36.0	46.0		2.5	37.8	36.7		17.3	17.6	
*	DELTA GROW 5270 RR	31.1			1.9	37.4			18.5		
	PROGENY 5207	31.8			1.5	37.1			18.5		
*	PROGENY 5115	31.2			1.6	36.8			18.0		

GROUP V AVERAGE	33.0	44.3	50.2	2.4	39.2	37.9	37.2	16.9	17.3	18.1
LSD (0.10)	3.3	3.1	2.4	0.4						
GRAND MEAN	36.9	47.6	50.0	1.8	38.0	37.5	36.6	17.4	17.8	18.0

~ Variety is not Roundup Ready. All varieties without a tilde ( ~ ) prefix are Roundup Ready.

\* Resistant to soybean cyst nematode. See Table 3. Company Disease Resistance Specifications for details.

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.

EXP Entries with an EXP prefix are varieties that are still under development or soon to be released.

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 and 2007 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 County. These data were provided by the Iowa State University Grain Quality Analysis Services using near-infrared (NIR) analysis.

TABLE 4. 2007 SUMMARY: VARIETY TEST TABLES 5-7

SORTED BY 06-07 % PROTEIN

TYPE	BRAND -- VARIETY	YIELD (BU/AC) <sup>A</sup>			LODGING	% PROTEIN <sup>B</sup>			% OIL <sup>B</sup>		
		2007	06-07	05-07		2007	06-07	05-07	2007	06-07	05-07
<b>MATURITY GROUP II-III (RELATIVE MG 2.7-3.9)</b>											
	* EBBERTS 1365RR	43.1	48.6	49.2	1.5	40.0	40.1	39.5	16.5	16.8	17.3
~NS	IA3027 (large seed, high protein)	27.0	31.4		1.3	39.7	39.5		18.5	18.7	
	* PIONEER VARIETY 93M42	39.1	45.9		1.3	38.5	38.4		18.4	18.3	
	* HELENA BRAND SEED 3676	38.6	47.0	46.5	1.8	38.6	38.4	37.8	17.4	18.2	18.9
	* SEED CONSULTANTS SC9386RR	37.0	47.3		1.8	37.6	38.2		17.7	18.4	
	DAIRYLAND 8396RR/STS	36.5	48.4		1.4	39.5	38.2		16.6	17.8	
	* SOUTHERN CROSS STEPHEN 3.8 N, RR	37.8	48.7	50.5	1.3	38.4	38.1	37.4	18.7	19.3	19.8
	* UNISOUTH GENETICS USG 7393nRR	37.1	46.5	49.1	1.3	37.0	37.6	37.1	18.3	18.9	19.6
	* CROPLAN GENETICS RC 3935 RR	37.0	45.0	45.4	1.5	37.6	37.6	37.3	17.7	18.2	18.9
	* PIONEER VARIETY 93M90	36.2	47.6	49.1	1.3	37.8	37.4	36.8	17.7	18.3	18.6
	* SEED CONSULTANTS SC9387RR	40.3	48.3		1.4	36.5	37.1		18.3	18.5	
	* EBBERTS 1386RR	35.2	47.3		1.5	36.9	37.0		17.9	18.6	
	* SOUTHERN STATES RT 3851N	34.7	45.8	47.6	1.4	37.5	36.9	36.6	17.1	17.9	18.7
	* ASGROW AG3906	39.7	49.6	51.4	1.3	36.4	36.7	36.5	18.4	19.0	19.5
	SOUTHERN STATES RT 3860	39.2	48.8		1.3	36.6	36.3		17.9	18.6	
	* ASGROW AG3705	41.0	51.0		1.4	35.9	36.0		17.3	18.1	
	* ASGROW AG3803	41.7			1.4	36.9			18.0		
	* CROW'S C3916R	41.5			1.3	38.3			17.2		
	* NK BRAND S39-A3	41.4			1.5	35.7			17.7		
	* GATEWAY 3RS387	40.8			1.4	36.6			17.1		
	* EBBERTS 1378RR	40.8			1.5	38.8			16.7		
	* DYNA-GRO 35G38	40.7			1.4	38.2			18.8		
	* SOUTHERN STATES RT 3971N	40.6			1.3	37.7			17.0		
	* MAVRICK 7303RR	40.2			1.3	37.3			19.3		
NS	* VISTIVE AG2822V (low linolenic)	40.0			1.0	37.5			19.7		
EXP	* BECK 399NRR	39.8			1.3	37.7			16.2		
NS	* VISTIVE AG3121V (low linolenic)	39.8			1.3	37.0			17.8		
	* NK BRAND S37-P5	39.7			1.4	36.2			18.4		
	* ASGROW AG3603	39.5			1.2	38.0			16.9		
	* SOUTHERN CROSS LUCAS 3.8 N, RR	39.2			1.5	38.1			16.7		
	* SEED CONSULTANTS SC9355RR	38.9			1.5	39.4			16.7		
	* NK BRAND S38-D5	38.7			1.4	36.7			16.4		
	* VIGORO V39N7RR	38.6			1.2	37.2			17.9		
	* PROGENY 3900	38.6			1.5	37.7			18.8		
NS	* VISTIVE AG3521V (low linolenic)	38.5			1.3	36.0			18.2		
NS	* VISTIVE AG2821V (low linolenic)	38.5			1.4	37.1			18.6		
	* SEED CONSULTANTS SC9388RR	38.3			1.3	37.6			19.0		
	HORNBECK HBK R3927	38.2			1.9	39.6			18.1		
~	EBBERTS 3386	38.1			1.4	37.8			17.5		
NS	IA3024 (low linolenic)	37.8			1.3	34.7			19.3		
	* SOUTHERN STATES RT 3871N	37.8			1.4	37.4			17.8		
	* EBBERTS 1357RR	37.0			1.3	36.2			18.6		
~NS	* SCHILLINGER SEED 387 TCL (low linolenic)	37.0			1.2	37.3			18.9		
~	PIONEER VARIETY 93B82	36.6			1.7	37.6			18.4		
	* MAVRICK 5284RR	36.4			1.3	38.8			19.1		
NS	* VISTIVE AG2921V (low linolenic)	36.3			1.1	36.6			19.0		
~	NK BRAND S38T8	36.1			1.3	35.9			16.9		
NS	IA3030RR (low linolenic)	28.6			2.0	36.7			17.4		
NS	IA3033RR (low linolenic)	25.5			1.4	35.0			19.2		
NS	IA3025 (low linolenic)	24.6			1.4	37.1			18.5		
NS	IA3031RR (low linolenic)	24.5			1.3	36.6			18.2		
NS	IA3032RR (low linolenic)	22.8			2.1	35.7			18.8		
	GROUP III AVERAGE	37.2	46.7	48.6	1.4	37.4	37.7	37.4	17.9	18.3	18.9
	LSD (0.10)	3.4	3.1	2.1	0.2						

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

	* PIONEER VARIETY 94M30	43.2	52.7	52.3	1.8	38.6	39.4	38.7	17.1	17.5	18.3
	* SOUTHERN STATES RT 4151N	31.0	45.0	49.0	1.7	40.1	39.1	38.0	16.8	17.8	18.7
	* SOUTHERN STATES RT 4551N	36.4	49.6	53.8	1.3	39.0	38.8	38.4	17.0	17.6	18.0
	* SEED CONSULTANTS SC9415RR	36.4	47.2	49.2	1.2	38.2	38.1	37.0	17.3	18.2	19.1
	* DELTAGROW 4150 RR	38.1	52.6		1.4	38.4	37.9		16.7	17.4	
	* DAIRYLAND 8450RR	39.4	51.5		1.4	38.1	37.6		18.1	18.1	
	* VIGORO V42N7RS	38.0	51.5		1.4	37.7	37.5		18.2	18.7	
	* GREAT LAKES GL 4129RR	35.9	51.8		1.5	37.7	37.5		16.7	17.6	
	* SEED CONSULTANTS SC9456RR	39.9	50.6	52.4	1.7	38.4	37.3	37.0	16.5	17.4	18.2
	* SOUTHERN CROSS MICHAEL 4.2 N, RR, STS	39.3	50.8	51.6	1.3	37.3	37.3	37.1	17.3	18.2	18.8
	* HELENA BRAND SEED 4375	34.7	50.5	52.8	1.4	38.4	37.2	36.7	17.2	17.9	18.8
	* CROPLAN GENETICS RC 4455 RR	39.8	51.4	53.7	2.0	38.2	37.1	36.5	15.4	17.0	18.1
	* BECK 422NRR	40.9	53.1		1.4	36.9	37.0		17.7	18.5	
	* DELTAGROW 4460 RR	36.6	49.8		1.8	37.7	37.0		16.8	17.7	
	* CAVERNDAL CF 422 RR/STSn	40.7	53.3		1.5	38.0	37.0		17.9	18.7	
	* ASGROW AG4404	37.0	51.2	52.9	2.1	36.9	36.8	37.1	16.8	17.7	18.2
	* PIONEER VARIETY 94M50	43.8	54.1	54.2	1.5	35.5	36.5	36.8	17.5	18.1	18.8
	* ASGROW AG4103	37.3	51.2		1.4	36.5	36.4		19.0	18.8	
	* SOUTHERN STATES RT 4451N	39.0	50.1	54.9	1.7	36.4	36.2	35.9	17.3	17.8	18.6
	* SEED CONSULTANTS SC9442RR	34.8	49.4		1.6	36.6	36.1		18.1	18.7	
	* BECK 444NRR	40.4	51.4	54.1	1.8	36.0	36.0	35.8	16.8	17.8	18.6
	* ASGROW DKB42-51	39.2	52.7		1.3	34.6	35.2		17.3	17.8	
	* STEYER 4040 RR SCN	44.1			2.3	38.1			17.4		
	* CAVERNDAL CF 447 RR/STSn	42.8			1.4	36.8			18.1		
	* SOUTHERN STATES RT 4470N	42.8			1.3	36.4			18.2		
	* DYNA-GRO 35B40	42.5			1.5	38.4			16.5		
	* PROGENY 4206	42.4			1.6	36.7			18.4		
EXP	* NK BRAND XR4472	42.1			1.8	37.0			17.0		
	* STEYER 4430 RR SCN	41.8			1.4	36.7			18.4		
	* DYNA-GRO 38C42	41.5			1.5	37.3			17.8		
	* SEED CONSULTANTS SC9399RR	41.2			1.9	38.0			18.1		
	* CAVERNDAL CF 410 RR/STSn	40.9			1.4	38.1			16.0		
	* STINE 4392-4	40.6			1.5	36.5			17.5		
	* CROW'S C4142R	40.4			1.8	39.6			16.1		
	* GREAT LAKES GL 4519RR	39.8			1.3	38.1			17.0		
	* DYNA-GRO 35D44	39.8			1.8	38.4			17.1		
	* VIGORO V40N8RS	39.7			1.3	37.8			18.4		
	* TRISOY 4227RR(CN)	39.2			1.3	36.6			17.8		
	* DELTAGROW 4470 RR/STS	39.0			1.3	36.4			18.1		
	PROGENY 4507	38.9			1.7	37.9			17.3		
	* SOUTHERN CROSS CALEB 4.4 N, RR, STS	38.2			1.2	35.9			17.9		
	* SEED CONSULTANTS SC9448RR	38.2			1.1	37.1			18.5		
	* CROW'S C4517R	38.1			1.8	37.4			16.6		
~NS	* GATEWAY 427 (high protein)	38.0			1.8	37.3			18.2		
	HELENA BRAND SEED 4178	38.0			1.4	37.5			17.7		
	* HELENA BRAND SEED 4576	37.4			1.6	36.9			16.5		
	* ASGROW AG4405	37.4			1.5	37.7			16.2		
	* NK BRAND S45-E5	35.6			1.7	38.7			16.4		
	* DELTA KING DK4567	35.6			1.5	37.0			18.5		
~	* BROWN SEED MG 4317X	35.4			1.8	37.3			16.0		
	* SCHILLINGER SEED 457 RCP	35.2			2.8	37.3			17.5		
	* PROGENY 4405	35.1			1.5	38.3			16.2		
	* SOUTHERN STATES RT 4370N	34.7			1.9	36.5			17.7		
	* HORNBECK HBK R3824	33.2			2.1	37.0			17.5		
~NS	SCHILLINGER SEED 42HP (high protein)	33.1			1.3	41.8			14.2		
	HORNBECK HBK R4527	31.2			2.3	40.0			16.3		
	EARLY GROUP IV AVERAGE	38.5	51.0	52.6	1.6	37.6	37.2	37.1	17.3	17.9	18.5
	LSD (0.10)	3.6	2.4	1.8	0.3						

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

	* CROPLAN GENETICS RC 4842 RR	36.5	45.8	49.0	1.8	40.6	39.1	38.5	17.4	17.8	18.5
	* PIONEER VARIETY 94M80	34.4	45.5	48.8	1.9	40.9	39.1	38.7	16.6	17.4	18.1
	DELTA AND PINE LAND DP 4919 RR/S	36.8	46.4		2.4	39.9	39.1		15.7	17.0	
	* DELTA KING DK4967	37.6	47.1	51.1	2.1	40.6	39.0	38.2	17.0	17.5	18.3
	* SOUTHERN STATES RT 4760N	37.9	48.2		2.4	39.5	38.7		16.7	17.5	
	* ASGROW DKB46-51	37.9	47.8	50.9	1.7	39.4	38.6	38.2	17.4	17.7	18.2
	* SCHILLINGER SEED 495 RC	40.1	48.0	51.4	1.8	39.7	38.3	38.3	16.8	17.4	17.5
	* DELTAGROW 4970 RR	35.3	47.8		1.7	39.8	38.2		16.9	17.4	
	* CROW'S C4815R	37.7	48.2	51.2	1.7	38.3	38.1	37.9	17.5	17.5	18.1
	* DELTA KING DK4763	40.3	47.6	51.6	1.8	38.1	38.0	37.7	18.1	18.3	18.7
	* VIGORO V49N6RR	41.6	51.0	54.4	1.9	39.1	37.9	37.8	16.9	17.5	17.8
	* DELTA AND PINE LAND DP 4724 RR	36.0	46.9	50.9	1.9	38.4	37.9	38.0	17.8	18.1	18.5
	* PIONEER VARIETY 94B73	44.4	51.5	53.4	2.3	37.8	37.7	37.3	18.6	18.4	18.7
	* SOUTHERN STATES RT 4996N	38.3	48.1		2.4	38.9	37.7		17.1	18.1	
	* HELENA BRAND SEED 4875	40.7	46.9	51.2	2.3	38.4	37.6	36.9	16.2	17.0	17.7
	* NK BRAND S49-Q9	33.9	47.0	51.5	1.8	38.9	37.5	37.4	15.3	16.6	17.3
	* DELTAGROW 4840 RR	38.3	46.4	50.3	2.2	38.3	37.5	36.8	15.5	17.1	17.9
	DELTA KING DK4968	37.3	47.1		1.9	39.1	37.4		16.1	17.1	
	* ASGROW AG4801	35.8	46.5	51.1	1.5	38.0	37.4	37.3	17.0	18.0	18.7
	* UNISOUTH GENETICS USG 7494nRR	34.5	44.9	49.6	1.8	38.0	37.4	37.2	16.4	17.4	18.2
	* UNISOUTH GENETICS USG 74A76	40.0	49.3		2.6	39.2	37.3		16.6	17.7	
	* ASGROW AG4703	40.5	49.6	53.4	1.6	38.5	37.3	37.2	16.6	17.3	18.0
	* SOUTHERN STATES RT 4777N	43.8	51.2		2.3	37.5	37.2		17.7	18.2	
	* DELTA KING DK4866	40.3	49.1	52.0	1.8	38.3	37.1	36.4	16.6	17.3	18.1
	* SOUTHERN STATES RT 4981N	36.0	45.8	49.8	1.5	38.2	37.0	36.8	17.7	18.1	18.7
	* HORNBECK HBK R4924	43.1	50.4		1.9	38.5	36.7		16.8	17.7	
	* CROPLAN GENETICS RC 4955 RR	35.5	45.9	49.7	1.8	37.6	36.4	36.0	16.6	17.7	18.6
	ASGROW AG4903	39.5	49.3	53.3	1.8	37.5	36.3	36.4	18.1	18.4	18.9
	* SOUTHERN STATES RT 4808N	43.4	51.7	55.0	1.5	38.4	36.3	36.1	16.1	17.3	18.0
	* STINE 4782-4	40.7	51.9		1.5	37.9	36.1		19.0	19.1	
	* DELTA KING DK4667	34.5	45.5	49.4	2.6	36.9	36.1	36.0	17.5	17.9	18.6
	* GREAT LAKES GL 4709RR	37.9	49.2		1.3	36.4	35.4		18.7	19.1	
	SOUTHERN CROSS ELI 4.7 N, RR, STS	41.6	52.5		1.4	35.9	35.1		19.6	19.6	
EXP	* NK BRAND XR4674	46.8			1.3	37.5			17.7		
EXP	DELTA KING DKXTJ847	44.1			1.6	39.9			17.4		
	* PROGENY 4606	42.2			1.4	37.6			17.4		
	* CAVERNDAL CF 470 RR/STSn	41.7			1.3	36.5			18.4		
	* ARMOR 47-F8	41.6			1.4	37.3			18.1		
	* DELTAGROW 4770 RR	40.8			2.3	39.4			17.1		
	* VIGORO V48N7RS	40.6			1.3	35.5			18.4		
	PROGENY 4949	40.2			1.6	39.8			16.3		
	* DYNA-GRO 32R46	39.8			1.3	36.8			18.4		
	* STEYER 4710 RR SCN	39.8			1.8	37.5			18.0		
	* PROGENY 4804	39.8			2.2	37.6			16.9		
	DAIRYLAND 8482RR	39.6			2.0	38.5			17.6		
	* SEED CONSULTANTS SC9468RR	39.4			1.3	35.8			18.8		
	* PROGENY 4706	39.3			2.7	38.4			17.3		
	* SOUTHERN CROSS GALILEE 4.7 N, RR	39.0			2.0	37.0			18.6		
	DELTAGROW 4975 LARR	38.2			1.8	38.6			16.5		
	HORNBECK HBK R4727	38.2			1.7	36.6			17.4		
	* SCHILLINGER SEED 467 RCP	38.1			1.5	37.6			17.3		
	* SOUTHERN CROSS HIRAM 4.9 N, RR	37.9			2.0	36.6			16.4		
EXP	* JG49	37.7			2.3	39.7			16.9		
EXP	* DELTA KING DKXTJ848	37.6			2.4	39.1			17.4		
	* CROPLAN GENETICS RC 4757 RR	37.6			1.3	36.2			18.2		
	* PROGENY 4817	37.0			2.3	40.7			15.9		
	* TRISOY 4760RR(CN)	36.8			1.4	35.7			19.0		
	* DELTAGROW 4780 RR	36.1			1.7	36.6			18.3		
	PROGENY 4906	35.8			1.7	38.6			17.2		
	* PROGENY 4807	35.5			2.3	37.1			17.3		



	* ASGROW AG4605	35.4			1.5	37.7			18.2		
	* SEED CONSULTANTS SC9478RR	35.2			1.8	36.7			17.2		
~NS	KS4607 (high protein)	34.3			1.7	39.4			16.7		
	DELTA AND PINE LAND DP 4888 RR/S	33.9			2.2	38.5			17.1		
	* DELTAGROW 4660 RR	33.7			1.6	38.2			17.1		
EXP	TN05-4715RR	33.4			1.6	41.3			15.6		
~P	PENNYRILE (long term check-released 1987)	33.3			1.9	38.9			18.1		
	* DAIRYLAND 8474RR	33.2			1.9	36.7			18.0		
	* PIONEER VARIETY 94M71	32.2			2.3	36.5			17.8		
EXP	TN03-12RR	30.0			1.8	38.1			17.5		
~NS EXP	TN05-5109 (low phytate)	27.9			2.0	38.2			18.1		
	LATE GROUP IV AVERAGE	38.0	48.2	51.3	1.8	38.2	36.9	37.3	17.3	17.5	18.2
	LSD (0.10)	4.0	2.4	1.8	0.3						

#### MATURITY GROUP V

	* DELTAGROW 5160 RR/STS	34.7	47.9		2.7	40.7	39.2		17.5	17.8	
	* DELTA KING DK52K6	37.3	47.5		2.5	40.3	39.0		16.6	17.1	
~NS	K03-3825 (high protein)	30.4	40.6		1.5	40.0	39.0		16.6	17.1	
	* SOUTHERN CROSS DAMASCUS 5.0 N, RR, STS	31.6	45.1		2.5	40.4	38.9		17.7	18.1	
~	UNISOUTH GENETICS USG 5601T	39.3	50.3	55.7	3.0	39.6	38.8	38.5	16.8	16.8	17.3
	* UNISOUTH GENETICS USG 7515nRS	29.1	41.8		1.9	39.8	38.8		17.5	17.8	
	* DELTA KING DK5368	33.2	44.5		3.0	38.7	38.5		16.1	17.0	
	* SOUTHERN STATES RT 5540N	33.9	44.2	49.1	2.3	40.0	38.4	37.7	16.9	17.5	18.2
	* HORNBECK HBK R5226	29.1	41.4		2.9	39.0	38.4		16.5	16.9	
	* UNISOUTH GENETICS USG 75J32	32.6	45.0	50.5	2.3	40.0	38.3	37.4	15.9	16.9	17.5
	DELTA KING DK5066	30.4	43.0	49.1	2.6	39.2	38.3	38.2	17.6	18.1	18.4
	DELTA AND PINE LAND DP 5115 RR/S	27.3	39.8		1.8	39.2	38.1		17.0	17.3	
	* PIONEER VARIETY 95M30	32.8	42.6		2.6	39.6	37.9		16.0	16.4	
	UNISOUTH GENETICS USG ALLEN	33.3	46.1		2.5	39.1	37.9		17.0	16.9	
~P	TEEJAY	37.5	47.4	52.5	2.2	39.6	37.6	37.2	16.6	17.2	17.8
	* DELTA KING DK5567	32.7	44.4	51.2	2.6	39.3	37.5	37.1	16.4	16.8	17.5
~	UNISOUTH GENETICS USG 5002T	36.3	48.4	54.7	2.4	38.8	37.4	37.0	17.4	17.9	18.5
	* UNISOUTH GENETICS USG 75M16	32.1	43.3		2.7	39.7	37.4		15.5	16.7	
	* DELTA KING DK5366	28.1	40.4	47.7	3.2	37.9	37.1	37.2	16.7	16.9	17.7
	* SOUTHERN STATES RT 5160N	35.7	45.6		2.8	38.5	37.0		17.0	17.6	
~P	* ANAND	32.8	46.3	51.1	2.4	39.0	36.9	36.5	17.8	18.2	18.5
~P	JAKE	36.0	46.0		2.5	37.8	36.7		17.3	17.6	
	* DELTA KING DK5161	34.5	44.9	49.8	2.4	37.9	36.6	36.2	17.6	18.1	18.6
~NS	KS5007sp (low linolenic)	27.1	36.4	40.4	1.8	38.9	36.5	35.8	17.7	18.3	18.8
	* PROGENY 5307	36.8			2.6	40.8			16.6		
	* UNISOUTH GENETICS USG 75J47	36.5			1.7	38.0			17.4		
	DELTA KING DK5068	36.3			1.4	40.2			16.9		
	* DELTA AND PINE LAND DP 5414 RR	36.0			2.8	40.3			16.3		
	* GATEWAY 5R533	35.3			2.8	39.7			16.7		
	* STINE 5482-4	35.0			1.8	38.0			17.6		
	* DELTAGROW 4960 RR	35.0			2.8	39.5			17.3		
	* DAIRYLAND 8530RR	34.5			2.8	38.3			16.7		
	* DAIRYLAND 8509RR	33.7			2.5	39.0			17.1		
	* DELTAGROW 5300 RR	33.3			2.6	39.4			15.6		
	* DELTAGROW 5470 RR/STS	33.3			2.3	39.6			16.7		
	HORNBECK HBK RS5227	33.3			2.5	38.1			17.1		
~P	ESSEX (long term check-released 1974)	32.9			2.8	41.4			16.8		
	DELTA AND PINE LAND DP 5335 RR/S	32.3			2.3	39.0			17.0		
	PROGENY 5207	31.8			1.5	37.1			18.5		
	* CROPLAN GENETICS RC 5007 RR/STS	31.6			2.8	39.8			15.7		
	* PROGENY 5115	31.2			1.6	36.8			18.0		
	* DELTAGROW 5270 RR	31.1			1.9	37.4			18.5		
	PROGENY 5407	31.0			2.5	38.6			16.1		
EXP	* DELTA KING DKXTJ851	28.9			2.4	38.3			17.0		
	* PROGENY 5107	26.7			2.1	40.4			16.2		

GROUP V AVERAGE	33.0	44.3	50.2	2.4	39.2	37.9	37.2	16.9	17.3	18.1
LSD (0.10)	3.3	3.1	2.4	0.4						
GRAND MEAN	36.9	47.6	50.0	1.8	38.0	37.5	36.6	17.4	17.8	18.0

~ Variety is not Roundup Ready. All varieties without a tilde ( ~ ) prefix are Roundup Ready.

\* Resistant to soybean cyst nematode. See Table 3. Company Disease Resistance Specifications for details.

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.

EXP Entries with an EXP prefix are varieties that are still under development or soon to be released.

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 and 2007 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 County. These data were provided by the Iowa State University Grain Quality Analysis Services using near-infrared (NIR) analysis.

TABLE 4. 2007 SUMMARY: VARIETY TEST TABLES 5-7

SORTED BY 05-07 % PROTEIN

TYPE	BRAND -- VARIETY	YIELD (BU/AC) <sup>A</sup>			LODGING	% PROTEIN <sup>B</sup>			% OIL <sup>B</sup>		
		2007	06-07	05-07		2007	06-07	05-07	2007	06-07	05-07
<a href="#">sort</a>											
<b>MATURITY GROUP II-III (RELATIVE MG 2.7-3.9)</b>											
	* EBBERTS 1365RR	43.1	48.6	49.2	1.5	40.0	40.1	39.5	16.5	16.8	17.3
	* HELENA BRAND SEED 3676	38.6	47.0	46.5	1.8	38.6	38.4	37.8	17.4	18.2	18.9
	* SOUTHERN CROSS STEPHEN 3.8 N, RR	37.8	48.7	50.5	1.3	38.4	38.1	37.4	18.7	19.3	19.8
	* CROPLAN GENETICS RC 3935 RR	37.0	45.0	45.4	1.5	37.6	37.6	37.3	17.7	18.2	18.9
	* UNISOUTH GENETICS USG 7393nRR	37.1	46.5	49.1	1.3	37.0	37.6	37.1	18.3	18.9	19.6
	* PIONEER VARIETY 93M90	36.2	47.6	49.1	1.3	37.8	37.4	36.8	17.7	18.3	18.6
	* SOUTHERN STATES RT 3851N	34.7	45.8	47.6	1.4	37.5	36.9	36.6	17.1	17.9	18.7
	* ASGROW AG3906	39.7	49.6	51.4	1.3	36.4	36.7	36.5	18.4	19.0	19.5
	* ASGROW AG3803	41.7			1.4	36.9			18.0		
	* CROW'S C3916R	41.5			1.3	38.3			17.2		
	* NK BRAND S39-A3	41.4			1.5	35.7			17.7		
	* ASGROW AG3705	41.0	51.0		1.4	35.9	36.0		17.3	18.1	
	* GATEWAY 3RS387	40.8			1.4	36.6			17.1		
	* EBBERTS 1378RR	40.8			1.5	38.8			16.7		
	* DYNA-GRO 35G38	40.7			1.4	38.2			18.8		
	* SOUTHERN STATES RT 3971N	40.6			1.3	37.7			17.0		
	* SEED CONSULTANTS SC9387RR	40.3	48.3		1.4	36.5	37.1		18.3	18.5	
	* MAVRICK 7303RR	40.2			1.3	37.3			19.3		
NS	* VISTIVE AG2822V (low linolenic)	40.0			1.0	37.5			19.7		
EXP	* BECK 399NRR	39.8			1.3	37.7			16.2		
NS	* VISTIVE AG3121V (low linolenic)	39.8			1.3	37.0			17.8		
	* NK BRAND S37-P5	39.7			1.4	36.2			18.4		
	* ASGROW AG3603	39.5			1.2	38.0			16.9		
	SOUTHERN STATES RT 3860	39.2	48.8		1.3	36.6	36.3		17.9	18.6	
	* SOUTHERN CROSS LUCAS 3.8 N, RR	39.2			1.5	38.1			16.7		
	* PIONEER VARIETY 93M42	39.1	45.9		1.3	38.5	38.4		18.4	18.3	
	* SEED CONSULTANTS SC9355RR	38.9			1.5	39.4			16.7		
	* NK BRAND S38-D5	38.7			1.4	36.7			16.4		
	* VIGORO V39N7RR	38.6			1.2	37.2			17.9		
	* PROGENY 3900	38.6			1.5	37.7			18.8		
NS	* VISTIVE AG3521V (low linolenic)	38.5			1.3	36.0			18.2		
NS	* VISTIVE AG2821V (low linolenic)	38.5			1.4	37.1			18.6		
	* SEED CONSULTANTS SC9388RR	38.3			1.3	37.6			19.0		
	HORNBECK HBK R3927	38.2			1.9	39.6			18.1		
~	EBBERTS 3386	38.1			1.4	37.8			17.5		
NS	IA3024 (low linolenic)	37.8			1.3	34.7			19.3		
	* SOUTHERN STATES RT 3871N	37.8			1.4	37.4			17.8		
	* EBBERTS 1357RR	37.0			1.3	36.2			18.6		
	* SEED CONSULTANTS SC9386RR	37.0	47.3		1.8	37.6	38.2		17.7	18.4	
~NS	* SCHILLINGER SEED 387 TCL (low linolenic)	37.0			1.2	37.3			18.9		
~	PIONEER VARIETY 93B82	36.6			1.7	37.6			18.4		
	DAIRYLAND 8396RR/STS	36.5	48.4		1.4	39.5	38.2		16.6	17.8	
	* MAVRICK 5284RR	36.4			1.3	38.8			19.1		
NS	* VISTIVE AG2921V (low linolenic)	36.3			1.1	36.6			19.0		
~	NK BRAND S38T8	36.1			1.3	35.9			16.9		
	* EBBERTS 1386RR	35.2	47.3		1.5	36.9	37.0		17.9	18.6	
NS	IA3030RR (low linolenic)	28.6			2.0	36.7			17.4		
~NS	IA3027 (large seed, high protein)	27.0	31.4		1.3	39.7	39.5		18.5	18.7	
NS	IA3033RR (low linolenic)	25.5			1.4	35.0			19.2		
NS	IA3025 (low linolenic)	24.6			1.4	37.1			18.5		
NS	IA3031RR (low linolenic)	24.5			1.3	36.6			18.2		
NS	IA3032RR (low linolenic)	22.8			2.1	35.7			18.8		
	GROUP III AVERAGE	37.2	46.7	48.6	1.4	37.4	37.7	37.4	17.9	18.3	18.9
	LSD (0.10)	3.4	3.1	2.1	0.2						

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

	* PIONEER VARIETY 94M30	43.2	52.7	52.3	1.8	38.6	39.4	38.7	17.1	17.5	18.3
	* SOUTHERN STATES RT 4551N	36.4	49.6	53.8	1.3	39.0	38.8	38.4	17.0	17.6	18.0
	* SOUTHERN STATES RT 4151N	31.0	45.0	49.0	1.7	40.1	39.1	38.0	16.8	17.8	18.7
	* ASGROW AG4404	37.0	51.2	52.9	2.1	36.9	36.8	37.1	16.8	17.7	18.2
	* SOUTHERN CROSS MICHAEL 4.2 N, RR, STS	39.3	50.8	51.6	1.3	37.3	37.3	37.1	17.3	18.2	18.8
	* SEED CONSULTANTS SC9456RR	39.9	50.6	52.4	1.7	38.4	37.3	37.0	16.5	17.4	18.2
	* SEED CONSULTANTS SC9415RR	36.4	47.2	49.2	1.2	38.2	38.1	37.0	17.3	18.2	19.1
	* PIONEER VARIETY 94M50	43.8	54.1	54.2	1.5	35.5	36.5	36.8	17.5	18.1	18.8
	* HELENA BRAND SEED 4375	34.7	50.5	52.8	1.4	38.4	37.2	36.7	17.2	17.9	18.8
	* CROPLAN GENETICS RC 4455 RR	39.8	51.4	53.7	2.0	38.2	37.1	36.5	15.4	17.0	18.1
	* SOUTHERN STATES RT 4451N	39.0	50.1	54.9	1.7	36.4	36.2	35.9	17.3	17.8	18.6
	* BECK 444NRR	40.4	51.4	54.1	1.8	36.0	36.0	35.8	16.8	17.8	18.6
	* STEYER 4040 RR SCN	44.1			2.3	38.1			17.4		
	* CAVERNDAL CF 447 RR/STSn	42.8			1.4	36.8			18.1		
	* SOUTHERN STATES RT 4470N	42.8			1.3	36.4			18.2		
	* DYNA-GRO 35B40	42.5			1.5	38.4			16.5		
	* PROGENY 4206	42.4			1.6	36.7			18.4		
EXP	* NK BRAND XR4472	42.1			1.8	37.0			17.0		
	* STEYER 4430 RR SCN	41.8			1.4	36.7			18.4		
	* DYNA-GRO 38C42	41.5			1.5	37.3			17.8		
	* SEED CONSULTANTS SC9399RR	41.2			1.9	38.0			18.1		
	* CAVERNDAL CF 410 RR/STSn	40.9			1.4	38.1			16.0		
	* BECK 422NRR	40.9	53.1		1.4	36.9	37.0		17.7	18.5	
	* CAVERNDAL CF 422 RR/STSn	40.7	53.3		1.5	38.0	37.0		17.9	18.7	
	* STINE 4392-4	40.6			1.5	36.5			17.5		
	* CROW'S C4142R	40.4			1.8	39.6			16.1		
	* GREAT LAKES GL 4519RR	39.8			1.3	38.1			17.0		
	* DYNA-GRO 35D44	39.8			1.8	38.4			17.1		
	* VIGORO V40N8RS	39.7			1.3	37.8			18.4		
	* DAIRYLAND 8450RR	39.4	51.5		1.4	38.1	37.6		18.1	18.1	
	* ASGROW DKB42-51	39.2	52.7		1.3	34.6	35.2		17.3	17.8	
	* TRISOY 4227RR(CN)	39.2			1.3	36.6			17.8		
	* DELTAGROW 4470 RR/STS	39.0			1.3	36.4			18.1		
	PROGENY 4507	38.9			1.7	37.9			17.3		
	* SOUTHERN CROSS CALEB 4.4 N, RR, STS	38.2			1.2	35.9			17.9		
	* SEED CONSULTANTS SC9448RR	38.2			1.1	37.1			18.5		
	* CROW'S C4517R	38.1			1.8	37.4			16.6		
	* DELTAGROW 4150 RR	38.1	52.6		1.4	38.4	37.9		16.7	17.4	
~NS	* GATEWAY 427 (high protein)	38.0			1.8	37.3			18.2		
	HELENA BRAND SEED 4178	38.0			1.4	37.5			17.7		
	* VIGORO V42N7RS	38.0	51.5		1.4	37.7	37.5		18.2	18.7	
	* HELENA BRAND SEED 4576	37.4			1.6	36.9			16.5		
	* ASGROW AG4405	37.4			1.5	37.7			16.2		
	* ASGROW AG4103	37.3	51.2		1.4	36.5	36.4		19.0	18.8	
	* DELTAGROW 4460 RR	36.6	49.8		1.8	37.7	37.0		16.8	17.7	
	* GREAT LAKES GL 4129RR	35.9	51.8		1.5	37.7	37.5		16.7	17.6	
	* NK BRAND S45-E5	35.6			1.7	38.7			16.4		
	* DELTA KING DK4567	35.6			1.5	37.0			18.5		
~	* BROWN SEED MG 4317X	35.4			1.8	37.3			16.0		
	* SCHILLINGER SEED 457 RCP	35.2			2.8	37.3			17.5		
	* PROGENY 4405	35.1			1.5	38.3			16.2		
	* SEED CONSULTANTS SC9442RR	34.8	49.4		1.6	36.6	36.1		18.1	18.7	
	* SOUTHERN STATES RT 4370N	34.7			1.9	36.5			17.7		
	* HORNBECK HBK R3824	33.2			2.1	37.0			17.5		
~NS	SCHILLINGER SEED 42HP (high protein)	33.1			1.3	41.8			14.2		
	HORNBECK HBK R4527	31.2			2.3	40.0			16.3		
	EARLY GROUP IV AVERAGE	38.5	51.0	52.6	1.6	37.6	37.2	37.1	17.3	17.9	18.5
	LSD (0.10)	3.6	2.4	1.8	0.3						

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

	* PIONEER VARIETY 94M80	34.4	45.5	48.8	1.9	40.9	39.1	38.7	16.6	17.4	18.1
	* CROPLAN GENETICS RC 4842 RR	36.5	45.8	49.0	1.8	40.6	39.1	38.5	17.4	17.8	18.5
	* SCHILLINGER SEED 495 RC	40.1	48.0	51.4	1.8	39.7	38.3	38.3	16.8	17.4	17.5
	* ASGROW DKB46-51	37.9	47.8	50.9	1.7	39.4	38.6	38.2	17.4	17.7	18.2
	* DELTA KING DK4967	37.6	47.1	51.1	2.1	40.6	39.0	38.2	17.0	17.5	18.3
	* DELTA AND PINE LAND DP 4724 RR	36.0	46.9	50.9	1.9	38.4	37.9	38.0	17.8	18.1	18.5
	* CROW'S C4815R	37.7	48.2	51.2	1.7	38.3	38.1	37.9	17.5	17.5	18.1
	* VIGORO V49N6RR	41.6	51.0	54.4	1.9	39.1	37.9	37.8	16.9	17.5	17.8
	* DELTA KING DK4763	40.3	47.6	51.6	1.8	38.1	38.0	37.7	18.1	18.3	18.7
	* NK BRAND S49-Q9	33.9	47.0	51.5	1.8	38.9	37.5	37.4	15.3	16.6	17.3
	* PIONEER VARIETY 94B73	44.4	51.5	53.4	2.3	37.8	37.7	37.3	18.6	18.4	18.7
	* ASGROW AG4801	35.8	46.5	51.1	1.5	38.0	37.4	37.3	17.0	18.0	18.7
	* ASGROW AG4703	40.5	49.6	53.4	1.6	38.5	37.3	37.2	16.6	17.3	18.0
	* UNISOUTH GENETICS USG 7494nRR	34.5	44.9	49.6	1.8	38.0	37.4	37.2	16.4	17.4	18.2
	* HELENA BRAND SEED 4875	40.7	46.9	51.2	2.3	38.4	37.6	36.9	16.2	17.0	17.7
	* DELTAGROW 4840 RR	38.3	46.4	50.3	2.2	38.3	37.5	36.8	15.5	17.1	17.9
	* SOUTHERN STATES RT 4981N	36.0	45.8	49.8	1.5	38.2	37.0	36.8	17.7	18.1	18.7
	* DELTA KING DK4866	40.3	49.1	52.0	1.8	38.3	37.1	36.4	16.6	17.3	18.1
	ASGROW AG4903	39.5	49.3	53.3	1.8	37.5	36.3	36.4	18.1	18.4	18.9
	* SOUTHERN STATES RT 4808N	43.4	51.7	55.0	1.5	38.4	36.3	36.1	16.1	17.3	18.0
	* CROPLAN GENETICS RC 4955 RR	35.5	45.9	49.7	1.8	37.6	36.4	36.0	16.6	17.7	18.6
	* DELTA KING DK4667	34.5	45.5	49.4	2.6	36.9	36.1	36.0	17.5	17.9	18.6
EXP	* NK BRAND XR4674	46.8			1.3	37.5			17.7		
EXP	DELTA KING DKXTJ847	44.1			1.6	39.9			17.4		
	* SOUTHERN STATES RT 4777N	43.8	51.2		2.3	37.5	37.2		17.7	18.2	
	* HORNBECK HBK R4924	43.1	50.4		1.9	38.5	36.7		16.8	17.7	
	* PROGENY 4606	42.2			1.4	37.6			17.4		
	* CAVERNDAL CF 470 RR/STSn	41.7			1.3	36.5			18.4		
	* ARMOR 47-F8	41.6			1.4	37.3			18.1		
	SOUTHERN CROSS ELI 4.7 N, RR, STS	41.6	52.5		1.4	35.9	35.1		19.6	19.6	
	* DELTAGROW 4770 RR	40.8			2.3	39.4			17.1		
	* STINE 4782-4	40.7	51.9		1.5	37.9	36.1		19.0	19.1	
	* VIGORO V48N7RS	40.6			1.3	35.5			18.4		
	PROGENY 4949	40.2			1.6	39.8			16.3		
	* UNISOUTH GENETICS USG 74A76	40.0	49.3		2.6	39.2	37.3		16.6	17.7	
	* DYNA-GRO 32R46	39.8			1.3	36.8			18.4		
	* STEYER 4710 RR SCN	39.8			1.8	37.5			18.0		
	* PROGENY 4804	39.8			2.2	37.6			16.9		
	DAIRYLAND 8482RR	39.6			2.0	38.5			17.6		
	* SEED CONSULTANTS SC9468RR	39.4			1.3	35.8			18.8		
	* PROGENY 4706	39.3			2.7	38.4			17.3		
	* SOUTHERN CROSS GALILEE 4.7 N, RR	39.0			2.0	37.0			18.6		
	* SOUTHERN STATES RT 4996N	38.3	48.1		2.4	38.9	37.7		17.1	18.1	
	DELTAGROW 4975 LARR	38.2			1.8	38.6			16.5		
	HORNBECK HBK R4727	38.2			1.7	36.6			17.4		
	* SCHILLINGER SEED 467 RCP	38.1			1.5	37.6			17.3		
	* GREAT LAKES GL 4709RR	37.9	49.2		1.3	36.4	35.4		18.7	19.1	
	* SOUTHERN STATES RT 4760N	37.9	48.2		2.4	39.5	38.7		16.7	17.5	
	* SOUTHERN CROSS HIRAM 4.9 N, RR	37.9			2.0	36.6			16.4		
EXP	* JG49	37.7			2.3	39.7			16.9		
EXP	* DELTA KING DKXTJ848	37.6			2.4	39.1			17.4		
	* CROPLAN GENETICS RC 4757 RR	37.6			1.3	36.2			18.2		
	DELTA KING DK4968	37.3	47.1		1.9	39.1	37.4		16.1	17.1	
	* PROGENY 4817	37.0			2.3	40.7			15.9		
	DELTA AND PINE LAND DP 4919 RR/S	36.8	46.4		2.4	39.9	39.1		15.7	17.0	
	* TRISOY 4760RR(CN)	36.8			1.4	35.7			19.0		
	* DELTAGROW 4780 RR	36.1			1.7	36.6			18.3		
	PROGENY 4906	35.8			1.7	38.6			17.2		
	* PROGENY 4807	35.5			2.3	37.1			17.3		
	* ASGROW AG4605	35.4			1.5	37.7			18.2		

	* DELTAGROW 4970 RR	35.3	47.8		1.7	39.8	38.2		16.9	17.4
	* SEED CONSULTANTS SC9478RR	35.2			1.8	36.7			17.2	
~NS	KS4607 (high protein)	34.3			1.7	39.4			16.7	
	DELTA AND PINE LAND DP 4888 RR/S	33.9			2.2	38.5			17.1	
	* DELTAGROW 4660 RR	33.7			1.6	38.2			17.1	
EXP	TN05-4715RR	33.4			1.6	41.3			15.6	
~P	PENNYRILE (long term check-released 1987)	33.3			1.9	38.9			18.1	
	* DAIRYLAND 8474RR	33.2			1.9	36.7			18.0	
	* PIONEER VARIETY 94M71	32.2			2.3	36.5			17.8	
EXP	TN03-12RR	30.0			1.8	38.1			17.5	
~NS EXP	TN05-5109 (low phytate)	27.9			2.0	38.2			18.1	
	LATE GROUP IV AVERAGE	38.0	48.2	51.3	1.8	38.2	36.9	37.3	17.3	17.5 18.2
	LSD (0.10)	4.0	2.4	1.8	0.3					

#### MATURITY GROUP V

~	UNISOUTH GENETICS USG 5601T	39.3	50.3	55.7	3.0	39.6	38.8	38.5	16.8	16.8	17.3
	DELTA KING DK5066	30.4	43.0	49.1	2.6	39.2	38.3	38.2	17.6	18.1	18.4
	* SOUTHERN STATES RT 5540N	33.9	44.2	49.1	2.3	40.0	38.4	37.7	16.9	17.5	18.2
	* UNISOUTH GENETICS USG 75J32	32.6	45.0	50.5	2.3	40.0	38.3	37.4	15.9	16.9	17.5
	* DELTA KING DK5366	28.1	40.4	47.7	3.2	37.9	37.1	37.2	16.7	16.9	17.7
~P	TEEJAY	37.5	47.4	52.5	2.2	39.6	37.6	37.2	16.6	17.2	17.8
	* DELTA KING DK5567	32.7	44.4	51.2	2.6	39.3	37.5	37.1	16.4	16.8	17.5
~	UNISOUTH GENETICS USG 5002T	36.3	48.4	54.7	2.4	38.8	37.4	37.0	17.4	17.9	18.5
~P	* ANAND	32.8	46.3	51.1	2.4	39.0	36.9	36.5	17.8	18.2	18.5
	* DELTA KING DK5161	34.5	44.9	49.8	2.4	37.9	36.6	36.2	17.6	18.1	18.6
~NS	KS5007sp (low linolenic)	27.1	36.4	40.4	1.8	38.9	36.5	35.8	17.7	18.3	18.8
	* DELTA KING DK52K6	37.3	47.5		2.5	40.3	39.0		16.6	17.1	
	* PROGENY 5307	36.8			2.6	40.8			16.6		
	* UNISOUTH GENETICS USG 75J47	36.5			1.7	38.0			17.4		
	DELTA KING DK5068	36.3			1.4	40.2			16.9		
	* DELTA AND PINE LAND DP 5414 RR	36.0			2.8	40.3			16.3		
~P	JAKE	36.0	46.0		2.5	37.8	36.7		17.3	17.6	
	* SOUTHERN STATES RT 5160N	35.7	45.6		2.8	38.5	37.0		17.0	17.6	
	* GATEWAY 5R533	35.3			2.8	39.7			16.7		
	* STINE 5482-4	35.0			1.8	38.0			17.6		
	* DELTAGROW 4960 RR	35.0			2.8	39.5			17.3		
	* DELTAGROW 5160 RR/STS	34.7	47.9		2.7	40.7	39.2		17.5	17.8	
	* DAIRYLAND 8530RR	34.5			2.8	38.3			16.7		
	* DAIRYLAND 8509RR	33.7			2.5	39.0			17.1		
	* DELTAGROW 5300 RR	33.3			2.6	39.4			15.6		
	UNISOUTH GENETICS USG ALLEN	33.3	46.1		2.5	39.1	37.9		17.0	16.9	
	* DELTAGROW 5470 RR/STS	33.3			2.3	39.6			16.7		
	HORNBECK HBK RS5227	33.3			2.5	38.1			17.1		
	* DELTA KING DK5368	33.2	44.5		3.0	38.7	38.5		16.1	17.0	
~P	ESSEX (long term check-released 1974)	32.9			2.8	41.4			16.8		
	* PIONEER VARIETY 95M30	32.8	42.6		2.6	39.6	37.9		16.0	16.4	
	DELTA AND PINE LAND DP 5335 RR/S	32.3			2.3	39.0			17.0		
	* UNISOUTH GENETICS USG 75M16	32.1	43.3		2.7	39.7	37.4		15.5	16.7	
	PROGENY 5207	31.8			1.5	37.1			18.5		
	* CROPLAN GENETICS RC 5007 RR/STS	31.6			2.8	39.8			15.7		
	* SOUTHERN CROSS DAMASCUS 5.0 N, RR, STS	31.6	45.1		2.5	40.4	38.9		17.7	18.1	
	* PROGENY 5115	31.2			1.6	36.8			18.0		
	* DELTAGROW 5270 RR	31.1			1.9	37.4			18.5		
	PROGENY 5407	31.0			2.5	38.6			16.1		
~NS	K03-3825 (high protein)	30.4	40.6		1.5	40.0	39.0		16.6	17.1	
	* HORNBECK HBK R5226	29.1	41.4		2.9	39.0	38.4		16.5	16.9	
	* UNISOUTH GENETICS USG 7515nRS	29.1	41.8		1.9	39.8	38.8		17.5	17.8	
EXP	* DELTA KING DKXTJ851	28.9			2.4	38.3			17.0		
	DELTA AND PINE LAND DP 5115 RR/S	27.3	39.8		1.8	39.2	38.1		17.0	17.3	
	* PROGENY 5107	26.7			2.1	40.4			16.2		

GROUP V AVERAGE	33.0	44.3	50.2	2.4	39.2	37.9	37.2	16.9	17.3	18.1
LSD (0.10)	3.3	3.1	2.4	0.4						
GRAND MEAN	36.9	47.6	50.0	1.8	38.0	37.5	36.6	17.4	17.8	18.0

~ Variety is not Roundup Ready. All varieties without a tilde ( ~ ) prefix are Roundup Ready.

\* Resistant to soybean cyst nematode. See Table 3. Company Disease Resistance Specifications for details.

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.

EXP Entries with an EXP prefix are varieties that are still under development or soon to be released.

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 and 2007 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 County. These data were provided by the Iowa State University Grain Quality Analysis Services using near-infrared (NIR) analysis.

TABLE 4. 2007 SUMMARY: VARIETY TEST TABLES 5-7

SORTED BY 2007 % OIL

TYPE	BRAND -- VARIETY	YIELD (BU/AC) <sup>A</sup>			LODGING	% PROTEIN <sup>B</sup>			% OIL <sup>B</sup>		
		2007	06-07	05-07		2007	06-07	05-07	2007	06-07	05-07
<b>MATURITY GROUP II-III (RELATIVE MG 2.7-3.9)</b>											
NS	* VISTIVE AG2822V (low linolenic)	40.0			1.0	37.5			19.7		
	* MAVRICK 7303RR	40.2			1.3	37.3			19.3		
NS	IA3024 (low linolenic)	37.8			1.3	34.7			19.3		
NS	IA3033RR (low linolenic)	25.5			1.4	35.0			19.2		
	* MAVRICK 5284RR	36.4			1.3	38.8			19.1		
	* SEED CONSULTANTS SC9388RR	38.3			1.3	37.6			19.0		
NS	* VISTIVE AG2921V (low linolenic)	36.3			1.1	36.6			19.0		
~NS	* SCHILLINGER SEED 387 TCL (low linolenic)	37.0			1.2	37.3			18.9		
	* DYNA-GRO 35G38	40.7			1.4	38.2			18.8		
	* PROGENY 3900	38.6			1.5	37.7			18.8		
NS	IA3032RR (low linolenic)	22.8			2.1	35.7			18.8		
	* SOUTHERN CROSS STEPHEN 3.8 N, RR	37.8	48.7	50.5	1.3	38.4	38.1	37.4	18.7	19.3	19.8
NS	* VISTIVE AG2821V (low linolenic)	38.5			1.4	37.1			18.6		
	* EBBERTS 1357RR	37.0			1.3	36.2			18.6		
~NS	IA3027 (large seed, high protein)	27.0	31.4		1.3	39.7	39.5		18.5	18.7	
NS	IA3025 (low linolenic)	24.6			1.4	37.1			18.5		
	* ASGROW AG3906	39.7	49.6	51.4	1.3	36.4	36.7	36.5	18.4	19.0	19.5
	* NK BRAND S37-P5	39.7			1.4	36.2			18.4		
	* PIONEER VARIETY 93M42	39.1	45.9		1.3	38.5	38.4		18.4	18.3	
~	PIONEER VARIETY 93B82	36.6			1.7	37.6			18.4		
	* SEED CONSULTANTS SC9387RR	40.3	48.3		1.4	36.5	37.1		18.3	18.5	
	* UNISOUTH GENETICS USG 7393nRR	37.1	46.5	49.1	1.3	37.0	37.6	37.1	18.3	18.9	19.6
NS	* VISTIVE AG3521V (low linolenic)	38.5			1.3	36.0			18.2		
NS	IA3031RR (low linolenic)	24.5			1.3	36.6			18.2		
	HORNBECK HBK R3927	38.2			1.9	39.6			18.1		
	* ASGROW AG3803	41.7			1.4	36.9			18.0		
	SOUTHERN STATES RT 3860	39.2	48.8		1.3	36.6	36.3		17.9	18.6	
	* VIGORO V39N7RR	38.6			1.2	37.2			17.9		
	* EBBERTS 1386RR	35.2	47.3		1.5	36.9	37.0		17.9	18.6	
NS	* VISTIVE AG3121V (low linolenic)	39.8			1.3	37.0			17.8		
	* SOUTHERN STATES RT 3871N	37.8			1.4	37.4			17.8		
	* NK BRAND S39-A3	41.4			1.5	35.7			17.7		
	* CROPLAN GENETICS RC 3935 RR	37.0	45.0	45.4	1.5	37.6	37.6	37.3	17.7	18.2	18.9
	* SEED CONSULTANTS SC9386RR	37.0	47.3		1.8	37.6	38.2		17.7	18.4	
	* PIONEER VARIETY 93M90	36.2	47.6	49.1	1.3	37.8	37.4	36.8	17.7	18.3	18.6
~	EBBERTS 3386	38.1			1.4	37.8			17.5		
	* HELENA BRAND SEED 3676	38.6	47.0	46.5	1.8	38.6	38.4	37.8	17.4	18.2	18.9
NS	IA3030RR (low linolenic)	28.6			2.0	36.7			17.4		
	* ASGROW AG3705	41.0	51.0		1.4	35.9	36.0		17.3	18.1	
	* CROW'S C3916R	41.5			1.3	38.3			17.2		
	* GATEWAY 3RS387	40.8			1.4	36.6			17.1		
	* SOUTHERN STATES RT 3851N	34.7	45.8	47.6	1.4	37.5	36.9	36.6	17.1	17.9	18.7
	* SOUTHERN STATES RT 3971N	40.6			1.3	37.7			17.0		
	* ASGROW AG3603	39.5			1.2	38.0			16.9		
~	NK BRAND S38T8	36.1			1.3	35.9			16.9		
	* EBBERTS 1378RR	40.8			1.5	38.8			16.7		
	* SOUTHERN CROSS LUCAS 3.8 N, RR	39.2			1.5	38.1			16.7		
	* SEED CONSULTANTS SC9355RR	38.9			1.5	39.4			16.7		
	DAIRYLAND 8396RR/STS	36.5	48.4		1.4	39.5	38.2		16.6	17.8	
	* EBBERTS 1365RR	43.1	48.6	49.2	1.5	40.0	40.1	39.5	16.5	16.8	17.3
	* NK BRAND S38-D5	38.7			1.4	36.7			16.4		
EXP	* BECK 399NRR	39.8			1.3	37.7			16.2		
	GROUP III AVERAGE	37.2	46.7	48.6	1.4	37.4	37.7	37.4	17.9	18.3	18.9
	LSD (0.10)	3.4	3.1	2.1	0.2						



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

	* ASGROW AG4103	37.3	51.2		1.4	36.5	36.4		19.0	18.8	
	* SEED CONSULTANTS SC9448RR	38.2			1.1	37.1			18.5		
	* DELTA KING DK4567	35.6			1.5	37.0			18.5		
	* PROGENY 4206	42.4			1.6	36.7			18.4		
	* STEYER 4430 RR SCN	41.8			1.4	36.7			18.4		
	* VIGORO V40N8RS	39.7			1.3	37.8			18.4		
	* SOUTHERN STATES RT 4470N	42.8			1.3	36.4			18.2		
~NS	* GATEWAY 427 (high protein)	38.0			1.8	37.3			18.2		
	* VIGORO V42N7RS	38.0	51.5		1.4	37.7	37.5		18.2	18.7	
	* CAVERNDALE CF 447 RR/STSn	42.8			1.4	36.8			18.1		
	* SEED CONSULTANTS SC9399RR	41.2			1.9	38.0			18.1		
	* DAIRYLAND 8450RR	39.4	51.5		1.4	38.1	37.6		18.1	18.1	
	* DELTAGROW 4470 RR/STS	39.0			1.3	36.4			18.1		
	* SEED CONSULTANTS SC9442RR	34.8	49.4		1.6	36.6	36.1		18.1	18.7	
	* CAVERNDALE CF 422 RR/STSn	40.7	53.3		1.5	38.0	37.0		17.9	18.7	
	* SOUTHERN CROSS CALEB 4.4 N, RR, STS	38.2			1.2	35.9			17.9		
	* DYNA-GRO 38C42	41.5			1.5	37.3			17.8		
	* TRISOY 4227RR(CN)	39.2			1.3	36.6			17.8		
	* BECK 422NRR	40.9	53.1		1.4	36.9	37.0		17.7	18.5	
	HELENA BRAND SEED 4178	38.0			1.4	37.5			17.7		
	* SOUTHERN STATES RT 4370N	34.7			1.9	36.5			17.7		
	* PIONEER VARIETY 94M50	43.8	54.1	54.2	1.5	35.5	36.5	36.8	17.5	18.1	18.8
	* STINE 4392-4	40.6			1.5	36.5			17.5		
	* SCHILLINGER SEED 457 RCP	35.2			2.8	37.3			17.5		
	* HORNBECK HBK R3824	33.2			2.1	37.0			17.5		
	* STEYER 4040 RR SCN	44.1			2.3	38.1			17.4		
	* SOUTHERN CROSS MICHAEL 4.2 N, RR, STS	39.3	50.8	51.6	1.3	37.3	37.3	37.1	17.3	18.2	18.8
	* ASGROW DKB42-51	39.2	52.7		1.3	34.6	35.2		17.3	17.8	
	* SOUTHERN STATES RT 4451N	39.0	50.1	54.9	1.7	36.4	36.2	35.9	17.3	17.8	18.6
	PROGENY 4507	38.9			1.7	37.9			17.3		
	* SEED CONSULTANTS SC9415RR	36.4	47.2	49.2	1.2	38.2	38.1	37.0	17.3	18.2	19.1
	* HELENA BRAND SEED 4375	34.7	50.5	52.8	1.4	38.4	37.2	36.7	17.2	17.9	18.8
	* PIONEER VARIETY 94M30	43.2	52.7	52.3	1.8	38.6	39.4	38.7	17.1	17.5	18.3
	* DYNA-GRO 35D44	39.8			1.8	38.4			17.1		
EXP	* NK BRAND XR4472	42.1			1.8	37.0			17.0		
	* GREAT LAKES GL 4519RR	39.8			1.3	38.1			17.0		
	* SOUTHERN STATES RT 4551N	36.4	49.6	53.8	1.3	39.0	38.8	38.4	17.0	17.6	18.0
	* BECK 444NRR	40.4	51.4	54.1	1.8	36.0	36.0	35.8	16.8	17.8	18.6
	* ASGROW AG4404	37.0	51.2	52.9	2.1	36.9	36.8	37.1	16.8	17.7	18.2
	* DELTAGROW 4460 RR	36.6	49.8		1.8	37.7	37.0		16.8	17.7	
	* SOUTHERN STATES RT 4151N	31.0	45.0	49.0	1.7	40.1	39.1	38.0	16.8	17.8	18.7
	* DELTAGROW 4150 RR	38.1	52.6		1.4	38.4	37.9		16.7	17.4	
	* GREAT LAKES GL 4129RR	35.9	51.8		1.5	37.7	37.5		16.7	17.6	
	* CROW'S C4517R	38.1			1.8	37.4			16.6		
	* DYNA-GRO 35B40	42.5			1.5	38.4			16.5		
	* SEED CONSULTANTS SC9456RR	39.9	50.6	52.4	1.7	38.4	37.3	37.0	16.5	17.4	18.2
	* HELENA BRAND SEED 4576	37.4			1.6	36.9			16.5		
	* NK BRAND S45-E5	35.6			1.7	38.7			16.4		
	HORNBECK HBK R4527	31.2			2.3	40.0			16.3		
	* ASGROW AG4405	37.4			1.5	37.7			16.2		
	* PROGENY 4405	35.1			1.5	38.3			16.2		
	* CROW'S C4142R	40.4			1.8	39.6			16.1		
	* CAVERNDALE CF 410 RR/STSn	40.9			1.4	38.1			16.0		
~	* BROWN SEED MG 4317X	35.4			1.8	37.3			16.0		
	* CROPLAN GENETICS RC 4455 RR	39.8	51.4	53.7	2.0	38.2	37.1	36.5	15.4	17.0	18.1
~NS	SCHILLINGER SEED 42HP (high protein)	33.1			1.3	41.8			14.2		
	EARLY GROUP IV AVERAGE	38.5	51.0	52.6	1.6	37.6	37.2	37.1	17.3	17.9	18.5
	LSD (0.10)	3.6	2.4	1.8	0.3						

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

	SOUTHERN CROSS ELI 4.7 N, RR, STS	41.6	52.5		1.4	35.9	35.1		19.6	19.6
*	STINE 4782-4	40.7	51.9		1.5	37.9	36.1		19.0	19.1
*	TRISOY 4760RR(CN)	36.8			1.4	35.7			19.0	
*	SEED CONSULTANTS SC9468RR	39.4			1.3	35.8			18.8	
*	GREAT LAKES GL 4709RR	37.9	49.2		1.3	36.4	35.4		18.7	19.1
*	PIONEER VARIETY 94B73	44.4	51.5	53.4	2.3	37.8	37.7	37.3	18.6	18.4 18.7
*	SOUTHERN CROSS GALILEE 4.7 N, RR	39.0			2.0	37.0			18.6	
*	CAVERNDALE CF 470 RR/STSn	41.7			1.3	36.5			18.4	
*	VIGORO V48N7RS	40.6			1.3	35.5			18.4	
*	DYNA-GRO 32R46	39.8			1.3	36.8			18.4	
*	DELTA GROW 4780 RR	36.1			1.7	36.6			18.3	
*	CROPLAN GENETICS RC 4757 RR	37.6			1.3	36.2			18.2	
*	ASGROW AG4605	35.4			1.5	37.7			18.2	
*	ARMOR 47-F8	41.6			1.4	37.3			18.1	
*	DELTA KING DK4763	40.3	47.6	51.6	1.8	38.1	38.0	37.7	18.1	18.3 18.7
	ASGROW AG4903	39.5	49.3	53.3	1.8	37.5	36.3	36.4	18.1	18.4 18.9
~P	PENNYRILE (long term check-released 1987)	33.3			1.9	38.9			18.1	
~NS EXP	TN05-5109 (low phytate)	27.9			2.0	38.2			18.1	
*	STEYER 4710 RR SCN	39.8			1.8	37.5			18.0	
*	DAIRYLAND 8474RR	33.2			1.9	36.7			18.0	
*	DELTA AND PINE LAND DP 4724 RR	36.0	46.9	50.9	1.9	38.4	37.9	38.0	17.8	18.1 18.5
*	PIONEER VARIETY 94M71	32.2			2.3	36.5			17.8	
EXP	NK BRAND XR4674	46.8			1.3	37.5			17.7	
*	SOUTHERN STATES RT 4777N	43.8	51.2		2.3	37.5	37.2		17.7	18.2
*	SOUTHERN STATES RT 4981N	36.0	45.8	49.8	1.5	38.2	37.0	36.8	17.7	18.1 18.7
	DAIRYLAND 8482RR	39.6			2.0	38.5			17.6	
*	CROW'S C4815R	37.7	48.2	51.2	1.7	38.3	38.1	37.9	17.5	17.5 18.1
*	DELTA KING DK4667	34.5	45.5	49.4	2.6	36.9	36.1	36.0	17.5	17.9 18.6
EXP	TN03-12RR	30.0			1.8	38.1			17.5	
EXP	DELTA KING DKXTJ847	44.1			1.6	39.9			17.4	
*	PROGENY 4606	42.2			1.4	37.6			17.4	
	HORNBECK HBK R4727	38.2			1.7	36.6			17.4	
*	ASGROW DKB46-51	37.9	47.8	50.9	1.7	39.4	38.6	38.2	17.4	17.7 18.2
EXP	DELTA KING DKXTJ848	37.6			2.4	39.1			17.4	
*	CROPLAN GENETICS RC 4842 RR	36.5	45.8	49.0	1.8	40.6	39.1	38.5	17.4	17.8 18.5
*	PROGENY 4706	39.3			2.7	38.4			17.3	
*	SCHILLINGER SEED 467 RCP	38.1			1.5	37.6			17.3	
*	PROGENY 4807	35.5			2.3	37.1			17.3	
	PROGENY 4906	35.8			1.7	38.6			17.2	
*	SEED CONSULTANTS SC9478RR	35.2			1.8	36.7			17.2	
*	DELTA GROW 4770 RR	40.8			2.3	39.4			17.1	
*	SOUTHERN STATES RT 4996N	38.3	48.1		2.4	38.9	37.7		17.1	18.1
	DELTA AND PINE LAND DP 4888 RR/S	33.9			2.2	38.5			17.1	
*	DELTA GROW 4660 RR	33.7			1.6	38.2			17.1	
*	DELTA KING DK4967	37.6	47.1	51.1	2.1	40.6	39.0	38.2	17.0	17.5 18.3
*	ASGROW AG4801	35.8	46.5	51.1	1.5	38.0	37.4	37.3	17.0	18.0 18.7
*	VIGORO V49N6RR	41.6	51.0	54.4	1.9	39.1	37.9	37.8	16.9	17.5 17.8
*	PROGENY 4804	39.8			2.2	37.6			16.9	
EXP	JG49	37.7			2.3	39.7			16.9	
*	DELTA GROW 4970 RR	35.3	47.8		1.7	39.8	38.2		16.9	17.4
*	HORNBECK HBK R4924	43.1	50.4		1.9	38.5	36.7		16.8	17.7
*	SCHILLINGER SEED 495 RC	40.1	48.0	51.4	1.8	39.7	38.3	38.3	16.8	17.4 17.5
*	SOUTHERN STATES RT 4760N	37.9	48.2		2.4	39.5	38.7		16.7	17.5
~NS	KS4607 (high protein)	34.3			1.7	39.4			16.7	
*	ASGROW AG4703	40.5	49.6	53.4	1.6	38.5	37.3	37.2	16.6	17.3 18.0
*	DELTA KING DK4866	40.3	49.1	52.0	1.8	38.3	37.1	36.4	16.6	17.3 18.1
*	UNISOUTH GENETICS USG 74A76	40.0	49.3		2.6	39.2	37.3		16.6	17.7
*	CROPLAN GENETICS RC 4955 RR	35.5	45.9	49.7	1.8	37.6	36.4	36.0	16.6	17.7 18.6
*	PIONEER VARIETY 94M80	34.4	45.5	48.8	1.9	40.9	39.1	38.7	16.6	17.4 18.1
	DELTA GROW 4975 LARR	38.2			1.8	38.6			16.5	

	* SOUTHERN CROSS HIRAM 4.9 N, RR	37.9			2.0	36.6			16.4		
	* UNISOUTH GENETICS USG 7494nRR	34.5	44.9	49.6	1.8	38.0	37.4	37.2	16.4	17.4	18.2
	PROGENY 4949	40.2			1.6	39.8			16.3		
	* HELENA BRAND SEED 4875	40.7	46.9	51.2	2.3	38.4	37.6	36.9	16.2	17.0	17.7
	* SOUTHERN STATES RT 4808N	43.4	51.7	55.0	1.5	38.4	36.3	36.1	16.1	17.3	18.0
	DELTA KING DK4968	37.3	47.1		1.9	39.1	37.4		16.1	17.1	
	* PROGENY 4817	37.0			2.3	40.7			15.9		
	DELTA AND PINE LAND DP 4919 RR/S	36.8	46.4		2.4	39.9	39.1		15.7	17.0	
EXP	TN05-4715RR	33.4			1.6	41.3			15.6		
	* DELTAGROW 4840 RR	38.3	46.4	50.3	2.2	38.3	37.5	36.8	15.5	17.1	17.9
	* NK BRAND S49-Q9	33.9	47.0	51.5	1.8	38.9	37.5	37.4	15.3	16.6	17.3
	LATE GROUP IV AVERAGE	38.0	48.2	51.3	1.8	38.2	36.9	37.3	17.3	17.5	18.2
	LSD (0.10)	4.0	2.4	1.8	0.3						

#### MATURITY GROUP V

	PROGENY 5207	31.8			1.5	37.1			18.5		
	* DELTAGROW 5270 RR	31.1			1.9	37.4			18.5		
	* PROGENY 5115	31.2			1.6	36.8			18.0		
~P	* ANAND	32.8	46.3	51.1	2.4	39.0	36.9	36.5	17.8	18.2	18.5
	* SOUTHERN CROSS DAMASCUS 5.0 N, RR, STS	31.6	45.1		2.5	40.4	38.9		17.7	18.1	
~NS	KS5007sp (low linolenic)	27.1	36.4	40.4	1.8	38.9	36.5	35.8	17.7	18.3	18.8
	* STINE 5482-4	35.0			1.8	38.0			17.6		
	* DELTA KING DK5161	34.5	44.9	49.8	2.4	37.9	36.6	36.2	17.6	18.1	18.6
	DELTA KING DK5066	30.4	43.0	49.1	2.6	39.2	38.3	38.2	17.6	18.1	18.4
	* DELTAGROW 5160 RR/STS	34.7	47.9		2.7	40.7	39.2		17.5	17.8	
	* UNISOUTH GENETICS USG 7515nRS	29.1	41.8		1.9	39.8	38.8		17.5	17.8	
	* UNISOUTH GENETICS USG 75J47	36.5			1.7	38.0			17.4		
~	UNISOUTH GENETICS USG 5002T	36.3	48.4	54.7	2.4	38.8	37.4	37.0	17.4	17.9	18.5
~P	JAKE	36.0	46.0		2.5	37.8	36.7		17.3	17.6	
	* DELTAGROW 4960 RR	35.0			2.8	39.5			17.3		
	* DAIRYLAND 8509RR	33.7			2.5	39.0			17.1		
	HORNBECK HBK RS5227	33.3			2.5	38.1			17.1		
	* SOUTHERN STATES RT 5160N	35.7	45.6		2.8	38.5	37.0		17.0	17.6	
	UNISOUTH GENETICS USG ALLEN	33.3	46.1		2.5	39.1	37.9		17.0	16.9	
	DELTA AND PINE LAND DP 5335 RR/S	32.3			2.3	39.0			17.0		
EXP	* DELTA KING DKXTJ851	28.9			2.4	38.3			17.0		
	DELTA AND PINE LAND DP 5115 RR/S	27.3	39.8		1.8	39.2	38.1		17.0	17.3	
	DELTA KING DK5068	36.3			1.4	40.2			16.9		
	* SOUTHERN STATES RT 5540N	33.9	44.2	49.1	2.3	40.0	38.4	37.7	16.9	17.5	18.2
~	UNISOUTH GENETICS USG 5601T	39.3	50.3	55.7	3.0	39.6	38.8	38.5	16.8	16.8	17.3
~P	ESSEX (long term check-released 1974)	32.9			2.8	41.4			16.8		
	* GATEWAY 5R533	35.3			2.8	39.7			16.7		
	* DAIRYLAND 8530RR	34.5			2.8	38.3			16.7		
	* DELTAGROW 5470 RR/STS	33.3			2.3	39.6			16.7		
	* DELTA KING DK5366	28.1	40.4	47.7	3.2	37.9	37.1	37.2	16.7	16.9	17.7
~P	TEEJAY	37.5	47.4	52.5	2.2	39.6	37.6	37.2	16.6	17.2	17.8
	* DELTA KING DK52K6	37.3	47.5		2.5	40.3	39.0		16.6	17.1	
	* PROGENY 5307	36.8			2.6	40.8			16.6		
~NS	K03-3825 (high protein)	30.4	40.6		1.5	40.0	39.0		16.6	17.1	
	* HORNBECK HBK R5226	29.1	41.4		2.9	39.0	38.4		16.5	16.9	
	* DELTA KING DK5567	32.7	44.4	51.2	2.6	39.3	37.5	37.1	16.4	16.8	17.5
	* DELTA AND PINE LAND DP 5414 RR	36.0			2.8	40.3			16.3		
	* PROGENY 5107	26.7			2.1	40.4			16.2		
	* DELTA KING DK5368	33.2	44.5		3.0	38.7	38.5		16.1	17.0	
	PROGENY 5407	31.0			2.5	38.6			16.1		
	* PIONEER VARIETY 95M30	32.8	42.6		2.6	39.6	37.9		16.0	16.4	
	* UNISOUTH GENETICS USG 75J32	32.6	45.0	50.5	2.3	40.0	38.3	37.4	15.9	16.9	17.5
	* CROPLAN GENETICS RC 5007 RR/STS	31.6			2.8	39.8			15.7		
	* DELTAGROW 5300 RR	33.3			2.6	39.4			15.6		
	* UNISOUTH GENETICS USG 75M16	32.1	43.3		2.7	39.7	37.4		15.5	16.7	

GROUP V AVERAGE	33.0	44.3	50.2	2.4	39.2	37.9	37.2	16.9	17.3	18.1
LSD (0.10)	3.3	3.1	2.4	0.4						
GRAND MEAN	36.9	47.6	50.0	1.8	38.0	37.5	36.6	17.4	17.8	18.0

~ Variety is not Roundup Ready. All varieties without a tilde ( ~ ) prefix are Roundup Ready.

\* Resistant to soybean cyst nematode. See Table 3. Company Disease Resistance Specifications for details.

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.

EXP Entries with an EXP prefix are varieties that are still under development or soon to be released.

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 and 2007 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 County. These data were provided by the Iowa State University Grain Quality Analysis Services using near-infrared (NIR) analysis.

TABLE 4. 2007 SUMMARY: VARIETY TEST TABLES 5-7

SORTED BY 06-07 % OIL

TYPE	BRAND -- VARIETY	YIELD (BU/AC) <sup>A</sup>			LODGING	% PROTEIN <sup>B</sup>			% OIL <sup>B</sup>			
		2007	06-07	05-07		2007	06-07	05-07	2007	06-07	05-07	
												<a href="#">sort</a>
	<b>MATURITY GROUP II-III (RELATIVE MG 2.7-3.9)</b>											
	* SOUTHERN CROSS STEPHEN 3.8 N, RR	37.8	48.7	50.5	1.3	38.4	38.1	37.4	18.7	19.3	19.8	
	* ASGROW AG3906	39.7	49.6	51.4	1.3	36.4	36.7	36.5	18.4	19.0	19.5	
	* UNISOUTH GENETICS USG 7393nRR	37.1	46.5	49.1	1.3	37.0	37.6	37.1	18.3	18.9	19.6	
~NS	IA3027 (large seed, high protein)	27.0	31.4		1.3	39.7	39.5		18.5	18.7		
	SOUTHERN STATES RT 3860	39.2	48.8		1.3	36.6	36.3		17.9	18.6		
	* EBBERTS 1386RR	35.2	47.3		1.5	36.9	37.0		17.9	18.6		
	* SEED CONSULTANTS SC9387RR	40.3	48.3		1.4	36.5	37.1		18.3	18.5		
	* SEED CONSULTANTS SC9386RR	37.0	47.3		1.8	37.6	38.2		17.7	18.4		
	* PIONEER VARIETY 93M42	39.1	45.9		1.3	38.5	38.4		18.4	18.3		
	* PIONEER VARIETY 93M90	36.2	47.6	49.1	1.3	37.8	37.4	36.8	17.7	18.3	18.6	
	* CROPLAN GENETICS RC 3935 RR	37.0	45.0	45.4	1.5	37.6	37.6	37.3	17.7	18.2	18.9	
	* HELENA BRAND SEED 3676	38.6	47.0	46.5	1.8	38.6	38.4	37.8	17.4	18.2	18.9	
	* ASGROW AG3705	41.0	51.0		1.4	35.9	36.0		17.3	18.1		
	* SOUTHERN STATES RT 3851N	34.7	45.8	47.6	1.4	37.5	36.9	36.6	17.1	17.9	18.7	
	DAIRYLAND 8396RR/STS	36.5	48.4		1.4	39.5	38.2		16.6	17.8		
	* EBBERTS 1365RR	43.1	48.6	49.2	1.5	40.0	40.1	39.5	16.5	16.8	17.3	
NS	* VISTIVE AG2822V (low linolenic)	40.0			1.0	37.5			19.7			
	* MAVRICK 7303RR	40.2			1.3	37.3			19.3			
NS	IA3024 (low linolenic)	37.8			1.3	34.7			19.3			
NS	IA3033RR (low linolenic)	25.5			1.4	35.0			19.2			
	* MAVRICK 5284RR	36.4			1.3	38.8			19.1			
	* SEED CONSULTANTS SC9388RR	38.3			1.3	37.6			19.0			
NS	* VISTIVE AG2921V (low linolenic)	36.3			1.1	36.6			19.0			
~NS	* SCHILLINGER SEED 387 TCL (low linolenic)	37.0			1.2	37.3			18.9			
	* DYNA-GRO 35G38	40.7			1.4	38.2			18.8			
	* PROGENY 3900	38.6			1.5	37.7			18.8			
NS	IA3032RR (low linolenic)	22.8			2.1	35.7			18.8			
NS	* VISTIVE AG2821V (low linolenic)	38.5			1.4	37.1			18.6			
	* EBBERTS 1357RR	37.0			1.3	36.2			18.6			
NS	IA3025 (low linolenic)	24.6			1.4	37.1			18.5			
	* NK BRAND S37-P5	39.7			1.4	36.2			18.4			
~	PIONEER VARIETY 93B82	36.6			1.7	37.6			18.4			
NS	* VISTIVE AG3521V (low linolenic)	38.5			1.3	36.0			18.2			
NS	IA3031RR (low linolenic)	24.5			1.3	36.6			18.2			
	HORNBECK HBK R3927	38.2			1.9	39.6			18.1			
	* ASGROW AG3803	41.7			1.4	36.9			18.0			
	* VIGORO V39N7RR	38.6			1.2	37.2			17.9			
NS	* VISTIVE AG3121V (low linolenic)	39.8			1.3	37.0			17.8			
	* SOUTHERN STATES RT 3871N	37.8			1.4	37.4			17.8			
	* NK BRAND S39-A3	41.4			1.5	35.7			17.7			
~	EBBERTS 3386	38.1			1.4	37.8			17.5			
NS	IA3030RR (low linolenic)	28.6			2.0	36.7			17.4			
	* CROW'S C3916R	41.5			1.3	38.3			17.2			
	* GATEWAY 3RS387	40.8			1.4	36.6			17.1			
	* SOUTHERN STATES RT 3971N	40.6			1.3	37.7			17.0			
	* ASGROW AG3603	39.5			1.2	38.0			16.9			
~	NK BRAND S38T8	36.1			1.3	35.9			16.9			
	* EBBERTS 1378RR	40.8			1.5	38.8			16.7			
	* SOUTHERN CROSS LUCAS 3.8 N, RR	39.2			1.5	38.1			16.7			
	* SEED CONSULTANTS SC9355RR	38.9			1.5	39.4			16.7			
	* NK BRAND S38-D5	38.7			1.4	36.7			16.4			
EXP	* BECK 399NRR	39.8			1.3	37.7			16.2			
	GROUP III AVERAGE	37.2	46.7	48.6	1.4	37.4	37.7	37.4	17.9	18.3	18.9	
	LSD (0.10)	3.4	3.1	2.1	0.2							

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

	* ASGROW AG4103	37.3	51.2		1.4	36.5	36.4		19.0	18.8	
	* VIGORO V42N7RS	38.0	51.5		1.4	37.7	37.5		18.2	18.7	
	* SEED CONSULTANTS SC9442RR	34.8	49.4		1.6	36.6	36.1		18.1	18.7	
	* CAVERNDAL CF 422 RR/STSn	40.7	53.3		1.5	38.0	37.0		17.9	18.7	
	* BECK 422NRR	40.9	53.1		1.4	36.9	37.0		17.7	18.5	
	* SOUTHERN CROSS MICHAEL 4.2 N, RR, STS	39.3	50.8	51.6	1.3	37.3	37.3	37.1	17.3	18.2	18.8
	* SEED CONSULTANTS SC9415RR	36.4	47.2	49.2	1.2	38.2	38.1	37.0	17.3	18.2	19.1
	* DAIRYLAND 8450RR	39.4	51.5		1.4	38.1	37.6		18.1	18.1	
	* PIONEER VARIETY 94M50	43.8	54.1	54.2	1.5	35.5	36.5	36.8	17.5	18.1	18.8
	* HELENA BRAND SEED 4375	34.7	50.5	52.8	1.4	38.4	37.2	36.7	17.2	17.9	18.8
	* ASGROW DKB42-51	39.2	52.7		1.3	34.6	35.2		17.3	17.8	
	* SOUTHERN STATES RT 4451N	39.0	50.1	54.9	1.7	36.4	36.2	35.9	17.3	17.8	18.6
	* BECK 444NRR	40.4	51.4	54.1	1.8	36.0	36.0	35.8	16.8	17.8	18.6
	* SOUTHERN STATES RT 4151N	31.0	45.0	49.0	1.7	40.1	39.1	38.0	16.8	17.8	18.7
	* ASGROW AG4404	37.0	51.2	52.9	2.1	36.9	36.8	37.1	16.8	17.7	18.2
	* DELTAGROW 4460 RR	36.6	49.8		1.8	37.7	37.0		16.8	17.7	
	* SOUTHERN STATES RT 4551N	36.4	49.6	53.8	1.3	39.0	38.8	38.4	17.0	17.6	18.0
	* GREAT LAKES GL 4129RR	35.9	51.8		1.5	37.7	37.5		16.7	17.6	
	* PIONEER VARIETY 94M30	43.2	52.7	52.3	1.8	38.6	39.4	38.7	17.1	17.5	18.3
	* SEED CONSULTANTS SC9456RR	39.9	50.6	52.4	1.7	38.4	37.3	37.0	16.5	17.4	18.2
	* DELTAGROW 4150 RR	38.1	52.6		1.4	38.4	37.9		16.7	17.4	
	* CROPLAN GENETICS RC 4455 RR	39.8	51.4	53.7	2.0	38.2	37.1	36.5	15.4	17.0	18.1
	* SEED CONSULTANTS SC9448RR	38.2			1.1	37.1			18.5		
	* DELTA KING DK4567	35.6			1.5	37.0			18.5		
	* PROGENY 4206	42.4			1.6	36.7			18.4		
	* STEYER 4430 RR SCN	41.8			1.4	36.7			18.4		
	* VIGORO V40N8RS	39.7			1.3	37.8			18.4		
	* SOUTHERN STATES RT 4470N	42.8			1.3	36.4			18.2		
~NS	* GATEWAY 427 (high protein)	38.0			1.8	37.3			18.2		
	* CAVERNDAL CF 447 RR/STSn	42.8			1.4	36.8			18.1		
	* SEED CONSULTANTS SC9399RR	41.2			1.9	38.0			18.1		
	* DELTAGROW 4470 RR/STS	39.0			1.3	36.4			18.1		
	* SOUTHERN CROSS CALEB 4.4 N, RR, STS	38.2			1.2	35.9			17.9		
	* DYNA-GRO 38C42	41.5			1.5	37.3			17.8		
	* TRISOY 4227RR(CN)	39.2			1.3	36.6			17.8		
	HELENA BRAND SEED 4178	38.0			1.4	37.5			17.7		
	* SOUTHERN STATES RT 4370N	34.7			1.9	36.5			17.7		
	* STINE 4392-4	40.6			1.5	36.5			17.5		
	* SCHILLINGER SEED 457 RCP	35.2			2.8	37.3			17.5		
	* HORNBECK HBK R3824	33.2			2.1	37.0			17.5		
	* STEYER 4040 RR SCN	44.1			2.3	38.1			17.4		
	PROGENY 4507	38.9			1.7	37.9			17.3		
	* DYNA-GRO 35D44	39.8			1.8	38.4			17.1		
EXP	* NK BRAND XR4472	42.1			1.8	37.0			17.0		
	* GREAT LAKES GL 4519RR	39.8			1.3	38.1			17.0		
	* CROW'S C4517R	38.1			1.8	37.4			16.6		
	* DYNA-GRO 35B40	42.5			1.5	38.4			16.5		
	* HELENA BRAND SEED 4576	37.4			1.6	36.9			16.5		
	* NK BRAND S45-E5	35.6			1.7	38.7			16.4		
	HORNBECK HBK R4527	31.2			2.3	40.0			16.3		
	* ASGROW AG4405	37.4			1.5	37.7			16.2		
	* PROGENY 4405	35.1			1.5	38.3			16.2		
	* CROW'S C4142R	40.4			1.8	39.6			16.1		
	* CAVERNDAL CF 410 RR/STSn	40.9			1.4	38.1			16.0		
~	* BROWN SEED MG 4317X	35.4			1.8	37.3			16.0		
~NS	SCHILLINGER SEED 42HP (high protein)	33.1			1.3	41.8			14.2		
	EARLY GROUP IV AVERAGE	38.5	51.0	52.6	1.6	37.6	37.2	37.1	17.3	17.9	18.5
	LSD (0.10)	3.6	2.4	1.8	0.3						

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

	SOUTHERN CROSS ELI 4.7 N, RR, STS	41.6	52.5		1.4	35.9	35.1		19.6	19.6
*	STINE 4782-4	40.7	51.9		1.5	37.9	36.1		19.0	19.1
*	GREAT LAKES GL 4709RR	37.9	49.2		1.3	36.4	35.4		18.7	19.1
*	PIONEER VARIETY 94B73	44.4	51.5	53.4	2.3	37.8	37.7	37.3	18.6	18.4
	ASGROW AG4903	39.5	49.3	53.3	1.8	37.5	36.3	36.4	18.1	18.4
*	DELTA KING DK4763	40.3	47.6	51.6	1.8	38.1	38.0	37.7	18.1	18.3
*	SOUTHERN STATES RT 4777N	43.8	51.2		2.3	37.5	37.2		17.7	18.2
*	SOUTHERN STATES RT 4981N	36.0	45.8	49.8	1.5	38.2	37.0	36.8	17.7	18.1
*	DELTA AND PINE LAND DP 4724 RR	36.0	46.9	50.9	1.9	38.4	37.9	38.0	17.8	18.1
*	SOUTHERN STATES RT 4996N	38.3	48.1		2.4	38.9	37.7		17.1	18.1
*	ASGROW AG4801	35.8	46.5	51.1	1.5	38.0	37.4	37.3	17.0	18.0
*	DELTA KING DK4667	34.5	45.5	49.4	2.6	36.9	36.1	36.0	17.5	17.9
*	CROPLAN GENETICS RC 4842 RR	36.5	45.8	49.0	1.8	40.6	39.1	38.5	17.4	17.8
*	ASGROW DKB46-51	37.9	47.8	50.9	1.7	39.4	38.6	38.2	17.4	17.7
*	HORNBECK HBK R4924	43.1	50.4		1.9	38.5	36.7		16.8	17.7
*	UNISOUTH GENETICS USG 74A76	40.0	49.3		2.6	39.2	37.3		16.6	17.7
*	CROPLAN GENETICS RC 4955 RR	35.5	45.9	49.7	1.8	37.6	36.4	36.0	16.6	17.7
*	CROW'S C4815R	37.7	48.2	51.2	1.7	38.3	38.1	37.9	17.5	17.5
*	DELTA KING DK4967	37.6	47.1	51.1	2.1	40.6	39.0	38.2	17.0	17.5
*	VIGORO V49N6RR	41.6	51.0	54.4	1.9	39.1	37.9	37.8	16.9	17.5
*	SOUTHERN STATES RT 4760N	37.9	48.2		2.4	39.5	38.7		16.7	17.5
*	DELTA GROW 4970 RR	35.3	47.8		1.7	39.8	38.2		16.9	17.4
*	UNISOUTH GENETICS USG 7494nRR	34.5	44.9	49.6	1.8	38.0	37.4	37.2	16.4	17.4
*	SCHILLINGER SEED 495 RC	40.1	48.0	51.4	1.8	39.7	38.3	38.3	16.8	17.4
*	PIONEER VARIETY 94M80	34.4	45.5	48.8	1.9	40.9	39.1	38.7	16.6	17.4
*	ASGROW AG4703	40.5	49.6	53.4	1.6	38.5	37.3	37.2	16.6	17.3
*	DELTA KING DK4866	40.3	49.1	52.0	1.8	38.3	37.1	36.4	16.6	17.3
*	SOUTHERN STATES RT 4808N	43.4	51.7	55.0	1.5	38.4	36.3	36.1	16.1	17.3
	DELTA KING DK4968	37.3	47.1		1.9	39.1	37.4		16.1	17.1
*	DELTA GROW 4840 RR	38.3	46.4	50.3	2.2	38.3	37.5	36.8	15.5	17.1
*	HELENA BRAND SEED 4875	40.7	46.9	51.2	2.3	38.4	37.6	36.9	16.2	17.0
	DELTA AND PINE LAND DP 4919 RR/S	36.8	46.4		2.4	39.9	39.1		15.7	17.0
*	NK BRAND S49-Q9	33.9	47.0	51.5	1.8	38.9	37.5	37.4	15.3	16.6
*	TRISOY 4760RR(CN)	36.8			1.4	35.7			19.0	
*	SEED CONSULTANTS SC9468RR	39.4			1.3	35.8			18.8	
*	SOUTHERN CROSS GALILEE 4.7 N, RR	39.0			2.0	37.0			18.6	
*	CAVERNDAL CF 470 RR/STSn	41.7			1.3	36.5			18.4	
*	VIGORO V48N7RS	40.6			1.3	35.5			18.4	
*	DYNA-GRO 32R46	39.8			1.3	36.8			18.4	
*	DELTA GROW 4780 RR	36.1			1.7	36.6			18.3	
*	CROPLAN GENETICS RC 4757 RR	37.6			1.3	36.2			18.2	
*	ASGROW AG4605	35.4			1.5	37.7			18.2	
*	ARMOR 47-F8	41.6			1.4	37.3			18.1	
~P	PENNYRILE (long term check-released 1987)	33.3			1.9	38.9			18.1	
~NS EXP	TN05-5109 (low phytate)	27.9			2.0	38.2			18.1	
*	STEYER 4710 RR SCN	39.8			1.8	37.5			18.0	
*	DAIRYLAND 8474RR	33.2			1.9	36.7			18.0	
*	PIONEER VARIETY 94M71	32.2			2.3	36.5			17.8	
EXP	NK BRAND XR4674	46.8			1.3	37.5			17.7	
	DAIRYLAND 8482RR	39.6			2.0	38.5			17.6	
EXP	TN03-12RR	30.0			1.8	38.1			17.5	
EXP	DELTA KING DKXTJ847	44.1			1.6	39.9			17.4	
	PROGENY 4606	42.2			1.4	37.6			17.4	
	HORNBECK HBK R4727	38.2			1.7	36.6			17.4	
EXP	DELTA KING DKXTJ848	37.6			2.4	39.1			17.4	
	PROGENY 4706	39.3			2.7	38.4			17.3	
	SCHILLINGER SEED 467 RCP	38.1			1.5	37.6			17.3	
	PROGENY 4807	35.5			2.3	37.1			17.3	
	PROGENY 4906	35.8			1.7	38.6			17.2	
*	SEED CONSULTANTS SC9478RR	35.2			1.8	36.7			17.2	

	* DELTAGROW 4770 RR	40.8			2.3	39.4			17.1		
	DELTA AND PINE LAND DP 4888 RR/S	33.9			2.2	38.5			17.1		
	* DELTAGROW 4660 RR	33.7			1.6	38.2			17.1		
	* PROGENY 4804	39.8			2.2	37.6			16.9		
EXP	* JG49	37.7			2.3	39.7			16.9		
~NS	KS4607 (high protein)	34.3			1.7	39.4			16.7		
	DELTAGROW 4975 LARR	38.2			1.8	38.6			16.5		
	* SOUTHERN CROSS HIRAM 4.9 N, RR	37.9			2.0	36.6			16.4		
	PROGENY 4949	40.2			1.6	39.8			16.3		
	* PROGENY 4817	37.0			2.3	40.7			15.9		
EXP	TN05-4715RR	33.4			1.6	41.3			15.6		
	LATE GROUP IV AVERAGE	38.0	48.2	51.3	1.8	38.2	36.9	37.3	17.3	17.5	18.2
	LSD (0.10)	4.0	2.4	1.8	0.3						

#### MATURITY GROUP V

~NS	KS5007sp (low linolenic)	27.1	36.4	40.4	1.8	38.9	36.5	35.8	17.7	18.3	18.8
~P	* ANAND	32.8	46.3	51.1	2.4	39.0	36.9	36.5	17.8	18.2	18.5
	* DELTA KING DK5161	34.5	44.9	49.8	2.4	37.9	36.6	36.2	17.6	18.1	18.6
	* SOUTHERN CROSS DAMASCUS 5.0 N, RR, STS	31.6	45.1		2.5	40.4	38.9		17.7	18.1	
	DELTA KING DK5066	30.4	43.0	49.1	2.6	39.2	38.3	38.2	17.6	18.1	18.4
~	UNISOUTH GENETICS USG 5002T	36.3	48.4	54.7	2.4	38.8	37.4	37.0	17.4	17.9	18.5
	* DELTAGROW 5160 RR/STS	34.7	47.9		2.7	40.7	39.2		17.5	17.8	
	* UNISOUTH GENETICS USG 7515nRS	29.1	41.8		1.9	39.8	38.8		17.5	17.8	
~P	JAKE	36.0	46.0		2.5	37.8	36.7		17.3	17.6	
	* SOUTHERN STATES RT 5160N	35.7	45.6		2.8	38.5	37.0		17.0	17.6	
	* SOUTHERN STATES RT 5540N	33.9	44.2	49.1	2.3	40.0	38.4	37.7	16.9	17.5	18.2
	DELTA AND PINE LAND DP 5115 RR/S	27.3	39.8		1.8	39.2	38.1		17.0	17.3	
~P	TEEJAY	37.5	47.4	52.5	2.2	39.6	37.6	37.2	16.6	17.2	17.8
	* DELTA KING DK52K6	37.3	47.5		2.5	40.3	39.0		16.6	17.1	
~NS	K03-3825 (high protein)	30.4	40.6		1.5	40.0	39.0		16.6	17.1	
	* DELTA KING DK5368	33.2	44.5		3.0	38.7	38.5		16.1	17.0	
	UNISOUTH GENETICS USG ALLEN	33.3	46.1		2.5	39.1	37.9		17.0	16.9	
	* DELTA KING DK5366	28.1	40.4	47.7	3.2	37.9	37.1	37.2	16.7	16.9	17.7
	* HORNBECK HBK R5226	29.1	41.4		2.9	39.0	38.4		16.5	16.9	
	* UNISOUTH GENETICS USG 75J32	32.6	45.0	50.5	2.3	40.0	38.3	37.4	15.9	16.9	17.5
~	UNISOUTH GENETICS USG 5601T	39.3	50.3	55.7	3.0	39.6	38.8	38.5	16.8	16.8	17.3
	* DELTA KING DK5567	32.7	44.4	51.2	2.6	39.3	37.5	37.1	16.4	16.8	17.5
	* UNISOUTH GENETICS USG 75M16	32.1	43.3		2.7	39.7	37.4		15.5	16.7	
	* PIONEER VARIETY 95M30	32.8	42.6		2.6	39.6	37.9		16.0	16.4	
	PROGENY 5207	31.8			1.5	37.1			18.5		
	* DELTAGROW 5270 RR	31.1			1.9	37.4			18.5		
	* PROGENY 5115	31.2			1.6	36.8			18.0		
	* STINE 5482-4	35.0			1.8	38.0			17.6		
	* UNISOUTH GENETICS USG 75J47	36.5			1.7	38.0			17.4		
	* DELTAGROW 4960 RR	35.0			2.8	39.5			17.3		
	* DAIRYLAND 8509RR	33.7			2.5	39.0			17.1		
	HORNBECK HBK RS5227	33.3			2.5	38.1			17.1		
	DELTA AND PINE LAND DP 5335 RR/S	32.3			2.3	39.0			17.0		
EXP	* DELTA KING DKXTJ851	28.9			2.4	38.3			17.0		
	DELTA KING DK5068	36.3			1.4	40.2			16.9		
~P	ESSEX (long term check-released 1974)	32.9			2.8	41.4			16.8		
	* GATEWAY 5R533	35.3			2.8	39.7			16.7		
	* DAIRYLAND 8530RR	34.5			2.8	38.3			16.7		
	* DELTAGROW 5470 RR/STS	33.3			2.3	39.6			16.7		
	PROGENY 5307	36.8			2.6	40.8			16.6		
	* DELTA AND PINE LAND DP 5414 RR	36.0			2.8	40.3			16.3		
	* PROGENY 5107	26.7			2.1	40.4			16.2		
	PROGENY 5407	31.0			2.5	38.6			16.1		
	* CROPLAN GENETICS RC 5007 RR/STS	31.6			2.8	39.8			15.7		
	* DELTAGROW 5300 RR	33.3			2.6	39.4			15.6		



GROUP V AVERAGE	33.0	44.3	50.2	2.4	39.2	37.9	37.2	16.9	17.3	18.1
LSD (0.10)	3.3	3.1	2.4	0.4						
GRAND MEAN	36.9	47.6	50.0	1.8	38.0	37.5	36.6	17.4	17.8	18.0

~ Variety is not Roundup Ready. All varieties without a tilde ( ~ ) prefix are Roundup Ready.

\* Resistant to soybean cyst nematode. See Table 3. Company Disease Resistance Specifications for details.

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.

EXP Entries with an EXP prefix are varieties that are still under development or soon to be released.

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 and 2007 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 County. These data were provided by the Iowa State University Grain Quality Analysis Services using near-infrared (NIR) analysis.

TABLE 4. 2007 SUMMARY: VARIETY TEST TABLES 5-7

SORTED BY 05-07 % OIL

TYPE	BRAND -- VARIETY	YIELD (BU/AC) <sup>A</sup>			LODGING	% PROTEIN <sup>B</sup>			% OIL <sup>B</sup>		
		2007	06-07	05-07		2007	06-07	05-07	2007	06-07	05-07
<b>MATURITY GROUP II-III (RELATIVE MG 2.7-3.9)</b>											
	* SOUTHERN CROSS STEPHEN 3.8 N, RR	37.8	48.7	50.5	1.3	38.4	38.1	37.4	18.7	19.3	19.8
	* UNISOUTH GENETICS USG 7393nRR	37.1	46.5	49.1	1.3	37.0	37.6	37.1	18.3	18.9	19.6
	* ASGROW AG3906	39.7	49.6	51.4	1.3	36.4	36.7	36.5	18.4	19.0	19.5
	* HELENA BRAND SEED 3676	38.6	47.0	46.5	1.8	38.6	38.4	37.8	17.4	18.2	18.9
	* CROPLAN GENETICS RC 3935 RR	37.0	45.0	45.4	1.5	37.6	37.6	37.3	17.7	18.2	18.9
	* SOUTHERN STATES RT 3851N	34.7	45.8	47.6	1.4	37.5	36.9	36.6	17.1	17.9	18.7
	* PIONEER VARIETY 93M90	36.2	47.6	49.1	1.3	37.8	37.4	36.8	17.7	18.3	18.6
	* EBBERTS 1365RR	43.1	48.6	49.2	1.5	40.0	40.1	39.5	16.5	16.8	17.3
~NS	IA3027 (large seed, high protein)	27.0	31.4		1.3	39.7	39.5		18.5	18.7	
	SOUTHERN STATES RT 3860	39.2	48.8		1.3	36.6	36.3		17.9	18.6	
	* EBBERTS 1386RR	35.2	47.3		1.5	36.9	37.0		17.9	18.6	
	* SEED CONSULTANTS SC9387RR	40.3	48.3		1.4	36.5	37.1		18.3	18.5	
	* SEED CONSULTANTS SC9386RR	37.0	47.3		1.8	37.6	38.2		17.7	18.4	
	* PIONEER VARIETY 93M42	39.1	45.9		1.3	38.5	38.4		18.4	18.3	
	* ASGROW AG3705	41.0	51.0		1.4	35.9	36.0		17.3	18.1	
	DAIRYLAND 8396RR/STS	36.5	48.4		1.4	39.5	38.2		16.6	17.8	
NS	* VISTIVE AG2822V (low linolenic)	40.0			1.0	37.5			19.7		
	* MAVRICK 7303RR	40.2			1.3	37.3			19.3		
NS	IA3024 (low linolenic)	37.8			1.3	34.7			19.3		
NS	IA3033RR (low linolenic)	25.5			1.4	35.0			19.2		
	* MAVRICK 5284RR	36.4			1.3	38.8			19.1		
	* SEED CONSULTANTS SC9388RR	38.3			1.3	37.6			19.0		
NS	* VISTIVE AG2921V (low linolenic)	36.3			1.1	36.6			19.0		
~NS	* SCHILLINGER SEED 387 TCL (low linolenic)	37.0			1.2	37.3			18.9		
	* DYNA-GRO 35G38	40.7			1.4	38.2			18.8		
	* PROGENY 3900	38.6			1.5	37.7			18.8		
NS	IA3032RR (low linolenic)	22.8			2.1	35.7			18.8		
NS	* VISTIVE AG2821V (low linolenic)	38.5			1.4	37.1			18.6		
	* EBBERTS 1357RR	37.0			1.3	36.2			18.6		
NS	IA3025 (low linolenic)	24.6			1.4	37.1			18.5		
	* NK BRAND S37-P5	39.7			1.4	36.2			18.4		
~	PIONEER VARIETY 93B82	36.6			1.7	37.6			18.4		
NS	* VISTIVE AG3521V (low linolenic)	38.5			1.3	36.0			18.2		
NS	IA3031RR (low linolenic)	24.5			1.3	36.6			18.2		
	HORNBECK HBK R3927	38.2			1.9	39.6			18.1		
	* ASGROW AG3803	41.7			1.4	36.9			18.0		
	* VIGORO V39N7RR	38.6			1.2	37.2			17.9		
NS	* VISTIVE AG3121V (low linolenic)	39.8			1.3	37.0			17.8		
	* SOUTHERN STATES RT 3871N	37.8			1.4	37.4			17.8		
	* NK BRAND S39-A3	41.4			1.5	35.7			17.7		
~	EBBERTS 3386	38.1			1.4	37.8			17.5		
NS	IA3030RR (low linolenic)	28.6			2.0	36.7			17.4		
	* CROW'S C3916R	41.5			1.3	38.3			17.2		
	* GATEWAY 3RS387	40.8			1.4	36.6			17.1		
	* SOUTHERN STATES RT 3971N	40.6			1.3	37.7			17.0		
	* ASGROW AG3603	39.5			1.2	38.0			16.9		
~	NK BRAND S38T8	36.1			1.3	35.9			16.9		
	* EBBERTS 1378RR	40.8			1.5	38.8			16.7		
	* SOUTHERN CROSS LUCAS 3.8 N, RR	39.2			1.5	38.1			16.7		
	* SEED CONSULTANTS SC9355RR	38.9			1.5	39.4			16.7		
	* NK BRAND S38-D5	38.7			1.4	36.7			16.4		
EXP	* BECK 399NRR	39.8			1.3	37.7			16.2		
	GROUP III AVERAGE	37.2	46.7	48.6	1.4	37.4	37.7	37.4	17.9	18.3	18.9
	LSD (0.10)	3.4	3.1	2.1	0.2						

sort

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

	* SEED CONSULTANTS SC9415RR	36.4	47.2	49.2	1.2	38.2	38.1	37.0	17.3	18.2	19.1
	* PIONEER VARIETY 94M50	43.8	54.1	54.2	1.5	35.5	36.5	36.8	17.5	18.1	18.8
	* HELENA BRAND SEED 4375	34.7	50.5	52.8	1.4	38.4	37.2	36.7	17.2	17.9	18.8
	* SOUTHERN CROSS MICHAEL 4.2 N, RR, STS	39.3	50.8	51.6	1.3	37.3	37.3	37.1	17.3	18.2	18.8
	* SOUTHERN STATES RT 4151N	31.0	45.0	49.0	1.7	40.1	39.1	38.0	16.8	17.8	18.7
	* SOUTHERN STATES RT 4451N	39.0	50.1	54.9	1.7	36.4	36.2	35.9	17.3	17.8	18.6
	* BECK 444NRR	40.4	51.4	54.1	1.8	36.0	36.0	35.8	16.8	17.8	18.6
	* PIONEER VARIETY 94M30	43.2	52.7	52.3	1.8	38.6	39.4	38.7	17.1	17.5	18.3
	* SEED CONSULTANTS SC9456RR	39.9	50.6	52.4	1.7	38.4	37.3	37.0	16.5	17.4	18.2
	* ASGROW AG4404	37.0	51.2	52.9	2.1	36.9	36.8	37.1	16.8	17.7	18.2
	* CROPLAN GENETICS RC 4455 RR	39.8	51.4	53.7	2.0	38.2	37.1	36.5	15.4	17.0	18.1
	* SOUTHERN STATES RT 4551N	36.4	49.6	53.8	1.3	39.0	38.8	38.4	17.0	17.6	18.0
	* ASGROW AG4103	37.3	51.2		1.4	36.5	36.4		19.0	18.8	
	* VIGORO V42N7RS	38.0	51.5		1.4	37.7	37.5		18.2	18.7	
	* SEED CONSULTANTS SC9442RR	34.8	49.4		1.6	36.6	36.1		18.1	18.7	
	* CAVERNDAL CF 422 RR/STSn	40.7	53.3		1.5	38.0	37.0		17.9	18.7	
	* BECK 422NRR	40.9	53.1		1.4	36.9	37.0		17.7	18.5	
	* DAIRYLAND 8450RR	39.4	51.5		1.4	38.1	37.6		18.1	18.1	
	* ASGROW DKB42-51	39.2	52.7		1.3	34.6	35.2		17.3	17.8	
	* DELTAGROW 4460 RR	36.6	49.8		1.8	37.7	37.0		16.8	17.7	
	* GREAT LAKES GL 4129RR	35.9	51.8		1.5	37.7	37.5		16.7	17.6	
	* DELTAGROW 4150 RR	38.1	52.6		1.4	38.4	37.9		16.7	17.4	
	* SEED CONSULTANTS SC9448RR	38.2			1.1	37.1			18.5		
	* DELTA KING DK4567	35.6			1.5	37.0			18.5		
	* PROGENY 4206	42.4			1.6	36.7			18.4		
	* STEYER 4430 RR SCN	41.8			1.4	36.7			18.4		
	* VIGORO V40N8RS	39.7			1.3	37.8			18.4		
	* SOUTHERN STATES RT 4470N	42.8			1.3	36.4			18.2		
~NS	* GATEWAY 427 (high protein)	38.0			1.8	37.3			18.2		
	* CAVERNDAL CF 447 RR/STSn	42.8			1.4	36.8			18.1		
	* SEED CONSULTANTS SC9399RR	41.2			1.9	38.0			18.1		
	* DELTAGROW 4470 RR/STS	39.0			1.3	36.4			18.1		
	* SOUTHERN CROSS CALEB 4.4 N, RR, STS	38.2			1.2	35.9			17.9		
	* DYNA-GRO 38C42	41.5			1.5	37.3			17.8		
	* TRISOY 4227RR(CN)	39.2			1.3	36.6			17.8		
	HELENA BRAND SEED 4178	38.0			1.4	37.5			17.7		
	* SOUTHERN STATES RT 4370N	34.7			1.9	36.5			17.7		
	* STINE 4392-4	40.6			1.5	36.5			17.5		
	* SCHILLINGER SEED 457 RCP	35.2			2.8	37.3			17.5		
	* HORNBECK HBK R3824	33.2			2.1	37.0			17.5		
	* STEYER 4040 RR SCN	44.1			2.3	38.1			17.4		
	PROGENY 4507	38.9			1.7	37.9			17.3		
	* DYNA-GRO 35D44	39.8			1.8	38.4			17.1		
EXP	* NK BRAND XR4472	42.1			1.8	37.0			17.0		
	* GREAT LAKES GL 4519RR	39.8			1.3	38.1			17.0		
	* CROW'S C4517R	38.1			1.8	37.4			16.6		
	* DYNA-GRO 35B40	42.5			1.5	38.4			16.5		
	* HELENA BRAND SEED 4576	37.4			1.6	36.9			16.5		
	* NK BRAND S45-E5	35.6			1.7	38.7			16.4		
	HORNBECK HBK R4527	31.2			2.3	40.0			16.3		
	* ASGROW AG4405	37.4			1.5	37.7			16.2		
	* PROGENY 4405	35.1			1.5	38.3			16.2		
	* CROW'S C4142R	40.4			1.8	39.6			16.1		
	* CAVERNDAL CF 410 RR/STSn	40.9			1.4	38.1			16.0		
~	* BROWN SEED MG 4317X	35.4			1.8	37.3			16.0		
~NS	SCHILLINGER SEED 42HP (high protein)	33.1			1.3	41.8			14.2		
	EARLY GROUP IV AVERAGE	38.5	51.0	52.6	1.6	37.6	37.2	37.1	17.3	17.9	18.5
	LSD (0.10)	3.6	2.4	1.8	0.3						

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

	ASGROW AG4903	39.5	49.3	53.3	1.8	37.5	36.3	36.4	18.1	18.4	18.9
*	DELTA KING DK4763	40.3	47.6	51.6	1.8	38.1	38.0	37.7	18.1	18.3	18.7
*	PIONEER VARIETY 94B73	44.4	51.5	53.4	2.3	37.8	37.7	37.3	18.6	18.4	18.7
*	ASGROW AG4801	35.8	46.5	51.1	1.5	38.0	37.4	37.3	17.0	18.0	18.7
*	SOUTHERN STATES RT 4981N	36.0	45.8	49.8	1.5	38.2	37.0	36.8	17.7	18.1	18.7
*	DELTA KING DK4667	34.5	45.5	49.4	2.6	36.9	36.1	36.0	17.5	17.9	18.6
*	CROPLAN GENETICS RC 4955 RR	35.5	45.9	49.7	1.8	37.6	36.4	36.0	16.6	17.7	18.6
*	DELTA AND PINE LAND DP 4724 RR	36.0	46.9	50.9	1.9	38.4	37.9	38.0	17.8	18.1	18.5
*	CROPLAN GENETICS RC 4842 RR	36.5	45.8	49.0	1.8	40.6	39.1	38.5	17.4	17.8	18.5
*	DELTA KING DK4967	37.6	47.1	51.1	2.1	40.6	39.0	38.2	17.0	17.5	18.3
*	ASGROW DKB46-51	37.9	47.8	50.9	1.7	39.4	38.6	38.2	17.4	17.7	18.2
*	UNISOUTH GENETICS USG 7494nRR	34.5	44.9	49.6	1.8	38.0	37.4	37.2	16.4	17.4	18.2
*	CROW'S C4815R	37.7	48.2	51.2	1.7	38.3	38.1	37.9	17.5	17.5	18.1
*	PIONEER VARIETY 94M80	34.4	45.5	48.8	1.9	40.9	39.1	38.7	16.6	17.4	18.1
*	DELTA KING DK4866	40.3	49.1	52.0	1.8	38.3	37.1	36.4	16.6	17.3	18.1
*	ASGROW AG4703	40.5	49.6	53.4	1.6	38.5	37.3	37.2	16.6	17.3	18.0
*	SOUTHERN STATES RT 4808N	43.4	51.7	55.0	1.5	38.4	36.3	36.1	16.1	17.3	18.0
*	DELTAGROW 4840 RR	38.3	46.4	50.3	2.2	38.3	37.5	36.8	15.5	17.1	17.9
*	VIGORO V49N6RR	41.6	51.0	54.4	1.9	39.1	37.9	37.8	16.9	17.5	17.8
*	HELENA BRAND SEED 4875	40.7	46.9	51.2	2.3	38.4	37.6	36.9	16.2	17.0	17.7
*	SCHILLINGER SEED 495 RC	40.1	48.0	51.4	1.8	39.7	38.3	38.3	16.8	17.4	17.5
*	NK BRAND S49-Q9	33.9	47.0	51.5	1.8	38.9	37.5	37.4	15.3	16.6	17.3
	SOUTHERN CROSS ELI 4.7 N, RR, STS	41.6	52.5		1.4	35.9	35.1		19.6	19.6	
*	STINE 4782-4	40.7	51.9		1.5	37.9	36.1		19.0	19.1	
*	GREAT LAKES GL 4709RR	37.9	49.2		1.3	36.4	35.4		18.7	19.1	
*	SOUTHERN STATES RT 4777N	43.8	51.2		2.3	37.5	37.2		17.7	18.2	
*	SOUTHERN STATES RT 4996N	38.3	48.1		2.4	38.9	37.7		17.1	18.1	
*	HORNBECK HBK R4924	43.1	50.4		1.9	38.5	36.7		16.8	17.7	
*	UNISOUTH GENETICS USG 74A76	40.0	49.3		2.6	39.2	37.3		16.6	17.7	
*	SOUTHERN STATES RT 4760N	37.9	48.2		2.4	39.5	38.7		16.7	17.5	
*	DELTAGROW 4970 RR	35.3	47.8		1.7	39.8	38.2		16.9	17.4	
	DELTA KING DK4968	37.3	47.1		1.9	39.1	37.4		16.1	17.1	
	DELTA AND PINE LAND DP 4919 RR/S	36.8	46.4		2.4	39.9	39.1		15.7	17.0	
*	TRISOY 4760RR(CN)	36.8			1.4	35.7			19.0		
*	SEED CONSULTANTS SC9468RR	39.4			1.3	35.8			18.8		
*	SOUTHERN CROSS GALILEE 4.7 N, RR	39.0			2.0	37.0			18.6		
*	CAVERNDAL CF 470 RR/STSn	41.7			1.3	36.5			18.4		
*	VIGORO V48N7RS	40.6			1.3	35.5			18.4		
*	DYNA-GRO 32R46	39.8			1.3	36.8			18.4		
*	DELTAGROW 4780 RR	36.1			1.7	36.6			18.3		
*	CROPLAN GENETICS RC 4757 RR	37.6			1.3	36.2			18.2		
*	ASGROW AG4605	35.4			1.5	37.7			18.2		
*	ARMOR 47-F8	41.6			1.4	37.3			18.1		
~NS EXP	TN05-5109 (low phytate)	27.9			2.0	38.2			18.1		
*	STEYER 4710 RR SCN	39.8			1.8	37.5			18.0		
*	DAIRYLAND 8474RR	33.2			1.9	36.7			18.0		
*	PIONEER VARIETY 94M71	32.2			2.3	36.5			17.8		
EXP	NK BRAND XR4674	46.8			1.3	37.5			17.7		
	DAIRYLAND 8482RR	39.6			2.0	38.5			17.6		
EXP	TN03-12RR	30.0			1.8	38.1			17.5		
EXP	DELTA KING DKXTJ847	44.1			1.6	39.9			17.4		
	PROGENY 4606	42.2			1.4	37.6			17.4		
	HORNBECK HBK R4727	38.2			1.7	36.6			17.4		
EXP	DELTA KING DKXTJ848	37.6			2.4	39.1			17.4		
	PROGENY 4706	39.3			2.7	38.4			17.3		
	SCHILLINGER SEED 467 RCP	38.1			1.5	37.6			17.3		
	PROGENY 4807	35.5			2.3	37.1			17.3		
	PROGENY 4906	35.8			1.7	38.6			17.2		
*	SEED CONSULTANTS SC9478RR	35.2			1.8	36.7			17.2		
*	DELTAGROW 4770 RR	40.8			2.3	39.4			17.1		

	DELTA AND PINE LAND DP 4888 RR/S	33.9			2.2	38.5			17.1	
	* DELTAGROW 4660 RR	33.7			1.6	38.2			17.1	
	* PROGENY 4804	39.8			2.2	37.6			16.9	
EXP	* JG49	37.7			2.3	39.7			16.9	
~NS	KS4607 (high protein)	34.3			1.7	39.4			16.7	
	DELTAGROW 4975 LARR	38.2			1.8	38.6			16.5	
	* SOUTHERN CROSS HIRAM 4.9 N, RR	37.9			2.0	36.6			16.4	
	PROGENY 4949	40.2			1.6	39.8			16.3	
	* PROGENY 4817	37.0			2.3	40.7			15.9	
EXP	TN05-4715RR	33.4			1.6	41.3			15.6	
~P	PENNYRILE (long term check-released 1987)	33.3			1.9	38.9			18.1	
	LATE GROUP IV AVERAGE	38.0	48.2	51.3	1.8	38.2	36.9	37.3	17.3	17.5
	LSD (0.10)	4.0	2.4	1.8	0.3					18.2

#### MATURITY GROUP V

~NS	KS5007sp (low linolenic)	27.1	36.4	40.4	1.8	38.9	36.5	35.8	17.7	18.3	18.8
	* DELTA KING DK5161	34.5	44.9	49.8	2.4	37.9	36.6	36.2	17.6	18.1	18.6
~	UNISOUTH GENETICS USG 5002T	36.3	48.4	54.7	2.4	38.8	37.4	37.0	17.4	17.9	18.5
~P	* ANAND	32.8	46.3	51.1	2.4	39.0	36.9	36.5	17.8	18.2	18.5
	DELTA KING DK5066	30.4	43.0	49.1	2.6	39.2	38.3	38.2	17.6	18.1	18.4
	* SOUTHERN STATES RT 5540N	33.9	44.2	49.1	2.3	40.0	38.4	37.7	16.9	17.5	18.2
~P	TEEJAY	37.5	47.4	52.5	2.2	39.6	37.6	37.2	16.6	17.2	17.8
	* DELTA KING DK5366	28.1	40.4	47.7	3.2	37.9	37.1	37.2	16.7	16.9	17.7
	* UNISOUTH GENETICS USG 75J32	32.6	45.0	50.5	2.3	40.0	38.3	37.4	15.9	16.9	17.5
	* DELTA KING DK5567	32.7	44.4	51.2	2.6	39.3	37.5	37.1	16.4	16.8	17.5
~	UNISOUTH GENETICS USG 5601T	39.3	50.3	55.7	3.0	39.6	38.8	38.5	16.8	16.8	17.3
	* SOUTHERN CROSS DAMASCUS 5.0 N, RR, STS	31.6	45.1		2.5	40.4	38.9		17.7	18.1	
	* DELTAGROW 5160 RR/STS	34.7	47.9		2.7	40.7	39.2		17.5	17.8	
	* UNISOUTH GENETICS USG 7515nRS	29.1	41.8		1.9	39.8	38.8		17.5	17.8	
~P	JAKE	36.0	46.0		2.5	37.8	36.7		17.3	17.6	
	* SOUTHERN STATES RT 5160N	35.7	45.6		2.8	38.5	37.0		17.0	17.6	
	DELTA AND PINE LAND DP 5115 RR/S	27.3	39.8		1.8	39.2	38.1		17.0	17.3	
	* DELTA KING DK52K6	37.3	47.5		2.5	40.3	39.0		16.6	17.1	
~NS	K03-3825 (high protein)	30.4	40.6		1.5	40.0	39.0		16.6	17.1	
	* DELTA KING DK5368	33.2	44.5		3.0	38.7	38.5		16.1	17.0	
	UNISOUTH GENETICS USG ALLEN	33.3	46.1		2.5	39.1	37.9		17.0	16.9	
	* HORNBECK HBK R5226	29.1	41.4		2.9	39.0	38.4		16.5	16.9	
	* UNISOUTH GENETICS USG 75M16	32.1	43.3		2.7	39.7	37.4		15.5	16.7	
	* PIONEER VARIETY 95M30	32.8	42.6		2.6	39.6	37.9		16.0	16.4	
	PROGENY 5207	31.8			1.5	37.1			18.5		
	* DELTAGROW 5270 RR	31.1			1.9	37.4			18.5		
	* PROGENY 5115	31.2			1.6	36.8			18.0		
	* STINE 5482-4	35.0			1.8	38.0			17.6		
	* UNISOUTH GENETICS USG 75J47	36.5			1.7	38.0			17.4		
	* DELTAGROW 4960 RR	35.0			2.8	39.5			17.3		
	* DAIRYLAND 8509RR	33.7			2.5	39.0			17.1		
	HORNBECK HBK RS5227	33.3			2.5	38.1			17.1		
	DELTA AND PINE LAND DP 5335 RR/S	32.3			2.3	39.0			17.0		
EXP	* DELTA KING DKXTJ851	28.9			2.4	38.3			17.0		
	DELTA KING DK5068	36.3			1.4	40.2			16.9		
	* GATEWAY 5R533	35.3			2.8	39.7			16.7		
	* DAIRYLAND 8530RR	34.5			2.8	38.3			16.7		
	* DELTAGROW 5470 RR/STS	33.3			2.3	39.6			16.7		
	* PROGENY 5307	36.8			2.6	40.8			16.6		
	* DELTA AND PINE LAND DP 5414 RR	36.0			2.8	40.3			16.3		
	* PROGENY 5107	26.7			2.1	40.4			16.2		
	PROGENY 5407	31.0			2.5	38.6			16.1		
	* CROPLAN GENETICS RC 5007 RR/STS	31.6			2.8	39.8			15.7		
	* DELTAGROW 5300 RR	33.3			2.6	39.4			15.6		
~P	ESSEX (long term check-released 1974)	32.9			2.8	41.4			16.8		

GROUP V AVERAGE	33.0	44.3	50.2	2.4	39.2	37.9	37.2	16.9	17.3	18.1
LSD (0.10)	3.3	3.1	2.4	0.4						
GRAND MEAN	36.9	47.6	50.0	1.8	38.0	37.5	36.6	17.4	17.8	18.0

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~ Variety is not Roundup Ready. All varieties without a tilde ( ~ ) prefix are Roundup Ready.

\* Resistant to soybean cyst nematode. See Table 3. Company Disease Resistance Specifications for details.

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.

EXP Entries with an EXP prefix are varieties that are still under development or soon to be released.

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 and 2007 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 County. These data were provided by the Iowa State University Grain Quality Analysis Services using near-infrared (NIR) analysis.

## Memorandum

Date: November, 2007

TO: Soybean Seed Producers

FROM: Eugene Lacefield, Research Specialist

SUBJECT: 2008 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 publication web site is <http://www.uky.edu/Ag/GrainCrops/varietytesting.htm> Pages 1–28 are the printed publication. 5000 copies are distributed across Kentucky annually in December or late November. Pages after page 28 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 2008 tests. The publication web site which was accessed 14,000+ times for the 2004 , publication, more than 32,000 times for the 2005 publication, and about 22,000 for the 2006 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-122 Ag. Science Center North  
Lexington, KY 40546-0991  
Tel & Fax: 859-257-2993  
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 be published. The experimental data 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 insecticide 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 Plant and Soil Sciences  
N-122 Ag. Science Center North  
University of Kentucky  
Lexington, KY 40546-0091

Phone & Fax: (859) 257-2993

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 2008 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 553, "Kentucky Soybean Performance Tests - 2007".

## **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-122 ASCN  
 University of Kentucky  
 Lexington, KY 40546-0091  
 Phone: (859) 257-2993  
 Fax: (859) 257-2993  
 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	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			

<sup>1</sup> Check if the entry was not in the KY test in 2007. 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, 85% 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 \_\_\_\_\_